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ENVIRONMENT

Mr. Nicholas Acklam
Washington State Department of Ecology
Southwest Regional Office, Toxics Cleanup Program
300 Desmond Drive SE
Lacey, Washington 98503

Subject:
Semi-Annual Status Report, Second Quarter 2019

Date:
July 3, 2019

Contact:
Christopher Dotson

Phone:
503.724.1240

Email:
Christopher.Dotson
@arcadis.com

Our ref:
DEMWA000.1556.W9401

Dear Mr. Acklam,

On behalf of Chevron Environmental Management Company (CEMC), Arcadis has prepared the attached *Quarterly Status Report, Second Quarter 2019* for the following facility:

Former Texaco Service Station No.	**Case No.**	**Location**
211556	2050090	101 Mulford Road Toledo, Washington

If you have any questions, please do not hesitate to contact me.

Sincerely,

Arcadis U.S., Inc.

Christopher Dotson
Project Manager

Copies:
Mr. Eric Hetrick – CEMC
Mr. Charles Vineyard – Property owner
Project File

ARCADIS Design & Consultancy for natural and built assets

SEMI-ANNUAL STATUS REPORT

Second Quarter 2019
July 3, 2019

Facility No:	Former Texaco Service Station No.211556	Address:	101 Mulford Road, Toledo, Washington

Arcadis Contact Person / Phone No.:	Christopher Dotson/ (206)-992-7735
Arcadis Project No.:	DEMWA000.1556.W9401
Primary Agency/Regulatory ID No.:	Washington State Department of Ecology Southwest Regional Office, Toxics Cleanup Program Nicholas Acklam / Agreed Order No. DE5236

WORK CONDUCTED THIS Period [Second Quarter 2019]:

1. Conducted quarterly groundwater monitoring activities on April 27, 2019.
2. Prepared the *Semi-Annual Status Report, Second Quarter 2019*.

WORK PROPOSED NEXT QUARTER [Fourth Quarter 2019]:

1. Conduct quarterly groundwater monitoring activities.
2. Prepare the *Semi-Annual Status Report, Fourth Quarter 2019*.

Current Phase of Project:	Monitoring	
Frequency of Monitoring / Sampling:	Semi-Annual	
Are Phase Separate Hydrocarbons (PSH) Present On-site:	None	
Cumulative PSH Recovered to Date:	None	(gallons)
Approximate Depth to Groundwater:	6.60 to 8.93	(feet below top of casing)
Approximate Groundwater Elevation:	99.26 to 100.56	(feet above NAVD88)
Groundwater Flow Direction	Southeast	
Groundwater Gradient	0.0033	(feet per foot)

Current Remediation Techniques:	None
Permits for Discharge:	NA
Summary of Unusual Activity:	MW-120 was unable to be accessed.
Agency Directive Requirements:	Agreed Order No. DE5236.

DISCUSSION

Gettler-Ryan, Inc. (G-R) conducted semi-annual groundwater monitoring activities on April 27, 2019. Field data sheets and general procedures are included as Attachment A. Sixteen (16) monitoring wells were gauged and nine (9) monitoring wells were purged and sampled by G-R representatives.

Groundwater samples were submitted to Eurofins Laboratories, Inc. of Lancaster, Pennsylvania under standard chain-of-custody protocols. Groundwater monitoring and analytical data obtained by G-R for this event are summarized in Table 1. Field data sheets and a copy of the laboratory analytical report and chain-of-custody documentation are included as Attachment A.

Purge water generated during this sampling event was treated at the Site by G-R using an activated carbon filtration system. A sample of the treated water (QA-T-190427) was also collected and submitted for the above-referenced analyses. Following treatment, the purge water was containerized in 55-gallon drums, which are stored in a secondary containment overpack at the Site while awaiting laboratory results and Ecology authorization for disposal by surface discharge.

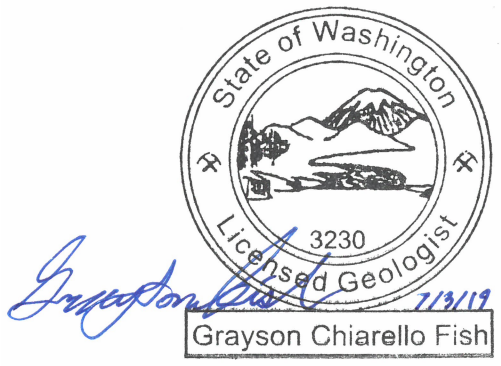
The direction of groundwater flow and calculated gradient were generally consistent with previous monitoring events.

The concentrations were detected above Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) at the location MW-111 for Diesel Range Organics (DRO), Heavy Oil Range Organics (HO) and Gasoline Range Organics (GRO). In all the other locations, the concentrations were either not detected or detected below MTCA Method A CULs.

Arcadis recommends continued semi-annual monitoring activities to further evaluate groundwater quality and concentration trends.

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.



Date: July 3, 2019

Grayson Fish, LG
Task Manager - Geologist

Date: July 3, 2019

Christopher Dotson
Project Manager

ATTACHMENTS:

Table 1	Groundwater Monitoring Data and Analytical Results – April 27, 2019
Table 2	Historical Groundwater Monitoring Data and Analytical Results
Figure 1	Site Location Map
Figure 2	Site Plan
Figure 3	Groundwater Elevation Contour Map, April 27, 2019
Figure 4	Groundwater Analytical Results, April 27, 2019
Attachment A	Field Data Sheets
Attachment B	Laboratory Report

TABLES

Table 1
Current Groundwater Gauging Data and Analytical Results
COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO	DRO w/ Silica Gel	HO	HO w/ Silica Gel	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
MW-103	4/27/2019	LFP		107.81	8.29	--	0.00	99.52	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY										
MW-109	4/27/2019	LFP		107.35	7.28	--	0.00	100.07	97	<30	<67	<67	<19	<0.2	<0.2	<0.4	<1	--	<1.1
MW-110	4/27/2019	LFP		108.89	8.93	--	0.00	99.96	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY										
MW-111	4/27/2019	LFP		107.12	7.11	--	0.00	100.01	**1,800**	**990**	**1,900**	**1,100**	**5,800**	3	0.6 J	29	2 J	--	**17.8**
MW-112	4/27/2019	LFP		107.58	7.62	--	0.00	99.96	130	--	98 J	--	38 J	<0.2	<0.2	<0.4	<1	--	<1.1
MW-113	4/27/2019	LFP		108.44	8.11	--	0.00	100.33	81 J	--	130 J	--	<19	<0.2	<0.2	<0.4	<1	--	<1.1
MW-114	4/27/2019	LFP		106.89	6.60	--	0.00	100.29	99	<29	300	<66	<19	<0.2	<0.2	<0.4	<1	--	5
MW-115	4/27/2019	LFP		107.94	7.49	--	0.00	100.45	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY										
MW-116	4/27/2019	LFP		107.56	8.30	--	0.00	99.26	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY										
MW-117	4/27/2019	LFP		106.57	6.82	--	0.00	99.75	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY										
MW-118	4/27/2019	LFP		106.72	7.05	--	0.00	99.67	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY										
MW-119	4/27/2019	LFP		108.35	8.39	--	0.00	99.96	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY										
MW-120	4/27/2019			107.11	Unable to locate			--	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY										
B-1	4/27/2019	LFP		107.74	7.23	--	0.00	100.51	32 J	--	<66	--	<19	<0.2	<0.2	<0.4	<1	--	<1.1
B-2	4/27/2019	LFP		108.99	8.43	--	0.00	100.56	31 J	--	<66	--	<19	<0.2	<0.2	<0.4	<1	--	<1.1
B-3	4/27/2019	LFP		108.46	8.02	--	0.00	100.44	150	<29	<66	<66	<19	<0.2	<0.2	<0.4	<1	--	3.4
B-4	4/27/2019	LFP		107.68	7.31	--	0.00	100.37	150	90 J	<68	<68	940	<0.2	<0.2	<0.4	<1	--	6.9
QA	4/27/2019			--	--	--	--	--	--	--	--	--	<19	<0.2	<0.2	<0.4	<1	--	--

Notes:
ID = Identification
TOC = Top of casing
DTW = Depth to water in feet below TOC
DTP = Depth to product in feet below TOC
mg/kg= milligrams per kilogram
NAPL = Non-aqueous phase liquid thickness in feet
TOC, DTW, DTP, GWE are measured in feet (ft).
GWE = Groundwater elevation in feet NAVD 88
GRO = Gasoline Range Organics analyzed by Ecology Method NWTPH-Gx
DRO = Diesel Range Organics analyzed by Ecology Method NWTPH-Dx
HO = Heavy Oil Range Organics analyzed by Ecology Method NWTPH-Dx
MTBE = Methyl tertiary butyl ether
800/1,000 = GRO MTCA Method A CUL with benzene present is 800 µg/L and without is 1,000 µg/L
-- = Not analyzed/not applicable
< = Analytical result is less than reporting limit shown
J = Analytical result is estimated
LFP = Low flow (purge) sample
DRO, HO analyzed by NWTPH-Dx Extended method; GRO, Benzene, toluene, ethylbenzene, and total xylenes (BTEX), MTBE by U.S. Environmental Protection Agency (USEPA) 8260B; D.Lead by USEPA 6020.
QA = Quality Assurance

1 Analytical results in bold font indicate concentrations exceed MTCA Method A cleanup levels.
2 TOC elevations have been surveyed in feet relative to the 1988 North American Vertical Datum.
3 When LNAPL is present, GWE has been corrected using the following formula: GWE = [(TOC - DTW) + (LNAPLT x 0.80)].
4 Laboratory report indicates this sample was laboratory filtered.
5 Laboratory indicates they did not receive a QA sample. No results were provided.
6 Laboratory analytical methods for historical data may not be consistent with list of current analytical methods. When necessary, consult original laboratory reports to verify methods used.
7 Insufficient groundwater to collect sample.

Table 2
Historical Groundwater Gauging Data and Analytical Results
COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
MW-103	2/14/91			107.81	8.08	--	--	99.73	--	--	--	--	--	--	--	--	--
MW-103	2/18/92			107.81	8.08	--	--	99.73	--	--	--	--	--	--	--	--	--
MW-103	3/9/92			107.81	7.80	--	--	100.01	--	<50	--	--	--	--	--	--	--
MW-103	3/13/92			107.81	8.08	--	--	99.73	<250	<250	<50	--	--	--	--	--	--
MW-103	4/21/92			107.81	7.78	--	--	100.03	--	--	<50	--	--	--	--	--	--
MW-103	3/3/94			107.81	--	--	--	--	<250	<250	<50	<13	--	--	--	--	--
MW-103	6/13/95			107.81	8.55	--	--	99.26	<250	<250	<50	--	--	--	--	--	<3.0
MW-103	8/22/95			107.81	--	--	--	--	<250	<250	<50	--	--	--	--	--	<2.0
MW-103	8/23/95			107.81	8.91	--	--	98.90	<250	<250	<50	--	--	--	--	--	<2.0
MW-103	11/28/95			107.81	7.30	--	--	100.51	<250	<250	<50	--	--	--	--	--	<2.0
MW-103	3/12/96			107.81	8.03	--	--	99.78	<250	<250	<50	--	--	--	--	--	<2.0
MW-103	6/26/96			107.81	8.67	--	--	99.14	<250	<250	<50	--	--	--	--	--	<2.0
MW-103	10/9/96			107.81	8.82	--	--	98.99	<250	<250	<50	--	--	--	--	--	<2.0
MW-103	2/12/97			107.81	7.81	--	--	100.00	<250	<250	<50	--	--	--	--	--	<2.0
MW-103	4/22/97			107.81	7.42	--	--	100.39	<250	<250	<50	--	--	--	--	--	<2.0
MW-103	8/5/97			107.81	8.83	--	--	98.98	257	110	257	--	--	--	--	--	<2.0
MW-103	11/11/97			107.81	9.01	--	--	98.80	<250	<250	<50	--	--	--	--	--	<2.0
MW-103	2/11/98			107.81	8.03	--	--	99.78	<250	<250	<50	--	--	--	--	--	<2.0
MW-103	5/28/98			107.81	8.17	--	--	99.64	<250	<250	<50	--	--	--	--	--	2.84
MW-103	8/20/98			107.81	9.21	--	--	98.60	<250	<250	<50	--	--	--	--	--	<1.0
MW-103	11/19/98			107.81	9.03	--	--	98.78	<250	<250	<50	--	--	--	--	--	<1.0
MW-103	3/11/99			107.81	7.51	--	--	100.30	<250	<250	<50	--	--	--	--	--	<1.0
MW-103	5/25/99			107.81	8.51	--	--	99.30	<250	<250	<50	--	--	--	--	--	--
MW-103	8/17/99			107.81	8.93	--	--	98.88	<250	<250	<50	--	--	--	--	--	<1.0
MW-103	11/19/99			107.81	7.18	--	--	100.63	<250	<250	<80	--	--	--	--	--	<1.0
MW-103	3/9/00			107.81	7.48	--	--	100.33	<250	<250	<80	--	--	--	--	--	<1.0
MW-103	6/13/00			107.81	8.29	--	--	99.52	<250	<250	<80	--	--	--	--	--	<1.0
MW-103	9/26/00			107.81	9.05	--	--	98.76	<250	<250	--	--	--	--	--	--	<1.0
MW-103	12/13/00			107.81	8.65	--	--	99.16	<250	<250	--	--	--	--	--	--	<1.0
MW-103	2/28/01			107.81	8.34	--	--	99.47	<250	<250	89	--	--	--	--	--	<1.0
MW-103	5/2/01			107.81	8.12	--	--	99.69	<250	<250	214	--	--	--	--	--	<1.0
MW-103	10/30/02			107.81	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-103	1/23/03			107.81	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-103	4/18/03			107.81	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-103	7/11/03			107.81	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-103	10/31/03			107.81	UNABLE TO LOCATE - COVERED BY SOIL					--	--	--	--	--	--	--	--
MW-103	12/30/03			107.81	7.32	--	0.00	100.49	<50	<85	<110	<0.5	<0.5	<0.5	<1.5	--	<1.2
MW-103	5/3/04			107.81	UNABLE TO LOCATE - COVERED BY SOIL					--	--	--	--	--	--	--	--
MW-103	7/20/04			107.81	9.09	--	0.00	98.72	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
MW-103	10/7/04			107.81	8.66	--	0.00	99.15	<160	<50	--	--	--	--	--	--	--
MW-103	1/27/05			107.81	7.95	--	0.00	99.86	<83	<83	<48	--	--	--	--	--	--
MW-103	4/12/05			107.81	7.65	--	0.00	100.16	<78	<78	<48	--	--	--	--	--	--
MW-103	7/18/05			107.81	8.76	--	0.00	99.05	<79	<79	<48	--	--	--	--	--	--
MW-103	10/21/05			107.81	8.87	--	0.00	98.94	<79	<79	<48	--	--	--	--	--	--
MW-103	9/5/07			107.81	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-103	5/27-28/08			107.81	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-103	8/27-29/08			107.81	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-103	11/17-19/08			107.81	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-103	2/16-18/09			107.81	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--

Table 2
Historical Groundwater Gauging Data and Analytical Results
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Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
MW-103	5/4-6/09			107.81	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-103	8/19-21/09			107.81	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-103	11/18-20/09			107.81	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-103	2/8-10/10			107.81	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-103	5/12-13/10			107.81	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-103	8/12/10	LFP		107.81	8.90	--	0.00	98.91	30	120	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.11
MW-103	11/3-4/10			107.81	7.69	--	0.00	100.12	<29	91	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.17
MW-103	2/3-4/11	LFP		107.81	7.99	--	0.00	99.82	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.22
MW-103	5/24/11	LFP		107.81	8.25	--	0.00	99.56	30	340	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.13
MW-103	8/23-24/11			107.81	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-103	11/7-9/11	LFP		107.81	8.90	--	0.00	98.91	<29	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.12
MW-103	2/6-8/12	LFP		107.81	7.80	--	0.00	100.01	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080
MW-103	5/2-4/12	LFP		107.81	8.05	--	0.00	99.76	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.083
MW-103	8/1-3/12	LFP		107.81	8.95	--	0.00	98.86	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.088
MW-103	11/26-28/12	LFP		107.81	7.36	--	0.00	100.45	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.047
MW-103	2/4-6/13	LFP		107.81	7.85	--	0.00	99.96	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.087
MW-103	5/6-8//13	LFP		107.81	8.60	--	0.00	99.21	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.13
MW-103	9/9-13/13	LFP		107.81	8.55	--	0.00	99.26	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.11
MW-103	11/18-21/13	LFP		107.81	7.62	--	0.00	100.19	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.21
MW-103	2/4-11/14	LFP		107.81	8.36	--	0.00	99.45	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.11
MW-103	6/12-14/14			107.81		INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
MW-103	8/18-21/14	LFP		107.81	6.81	--	0.00	101.00	<29/<29	<68/<68	62	<0.5	<0.5	<0.5	<0.5	<0.5	0.18
MW-103	11/19-20/14	LFP		107.81	8.41	--	0.00	99.40	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082
MW-103	2/17-20/15	LFP		107.81	7.83	--	0.00	99.98	<29/<29	<69/<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082
MW-103	5/11-15/15	LFP		107.81	8.77	--	0.00	99.04	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.12
MW-103	8/10-11/15	LFP		107.81	9.35	--	0.00	98.46	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.13
MW-103	11/16-18/15	LFP		107.81	6.67	--	0.00	101.14	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.00
MW-103	5/13-14/16	LFP		107.81	8.60	--	0.00	99.21	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-103	11/14/16	LFP		107.81	7.83	--	0.00	99.98	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-103	5/14/17	LFP		107.81	7.87	--	0.00	99.94	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-103	11/11-12/17	LFP		107.81	7.93	--	0.00	99.88	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-103	5/11/18	LFP		107.81	8.56	--	0.00	99.25	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-103	11/11-12/18	LFP		107.81	8.91	--	0.00	98.90	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-103	4/27/2019	LFP		107.81	8.29	--	0.00	99.52	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-109	3/13/92			107.35	7.72	--	0.00	99.63	--	--	<50	--	--	--	--	--	--
MW-109	4/21/92			107.35	7.42	--	0.00	99.93	--	--	--	--	--	--	--	--	--
MW-109	3/3/94			107.35	--	--	0.00	--	**900**	**1,500**	**4,900**	--	--	--	--	--	--
MW-109	8/22/95			107.35	8.57	--	0.00	98.78	**2,900**	**2,400**	<50	--	--	--	--	--	--
MW-109	11/28/95			107.35	5.87	--	0.00	101.48	480	**1,900**	72	--	--	--	--	--	<2.0
MW-109	3/12/96			107.35	7.16	--	0.00	100.19	<250	<750	<50	--	--	--	--	--	<2.0
MW-109	6/26/96			107.35	8.24	--	0.00	99.11	**554**	<750	<50	--	--	--	--	--	<2.0
MW-109	10/9/96			107.35	8.54	--	0.00	98.81	405	<750	<50	--	--	--	--	--	<2.0
MW-109	2/12/97			107.35	5.82	--	0.00	101.53	393	**1,290**	<50	--	--	--	--	--	<2.0
MW-109	4/22/97			107.35	7.10	--	0.00	100.25	356	**1,270**	<50	--	--	--	--	--	<2.0
MW-109	8/5/97			107.35	8.81	--	0.00	98.54	**560**	**1,690**	<50	--	--	--	--	--	<2.0
MW-109	11/11/97			107.35	7.57	--	0.00	99.78	269	**780**	<50	--	--	--	--	--	<2.0
MW-109	2/11/98			107.35	6.20	--	0.00	101.15	387	**1,700**	<50	--	--	--	--	--	<2.0
MW-109	5/28/98			107.35	7.62	--	0.00	99.73	332	**920**	<50	--	--	--	--	--	2.25

Table 2
Historical Groundwater Gauging Data and Analytical Results
COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
MW-109	8/20/98			107.35	9.00	--	0.00	98.35	**520**	**1,450**	<50	--	--	--	--	--	<1.0
MW-109	11/19/98			107.35	8.21	--	0.00	99.14	409	**1,130**	<50	--	--	--	--	--	<1.3
MW-109	3/11/99			107.35	6.94	--	0.00	100.41	**539**	**2,000**	<80	--	--	--	--	--	<1.0
MW-109	5/25/99			107.35	8.13	--	0.00	99.22	**916**	--	<80	--	--	--	--	--	--
MW-109	8/17/99			107.35	8.66	--	0.00	98.69	**1,520**	**7,770**	<80	--	--	--	--	--	<1.0
MW-109	11/19/99			107.35	6.65	--	0.00	100.70	<250	--	<80	--	--	--	--	--	<1.0
MW-109	3/9/00			107.35	5.67	--	0.00	101.68	<250	<500	<80	--	--	--	--	--	<1.0
MW-109	6/13/00			107.35	6.65	--	0.00	100.70	<250	<500	<80	--	--	--	--	--	<1.0
MW-109	9/26/00			107.35	8.36	--	0.00	98.99	<250	<500	--	--	--	--	--	--	<1.0
MW-109	12/13/00			107.35	7.72	--	0.00	99.63	<250	<500	--	--	--	--	--	--	<1.0
MW-109	2/28/01			107.35	7.44	--	0.00	99.91	<250	<500	<80	--	--	--	--	--	<1.0
MW-109	5/2/01			107.35	9.50	--	0.00	97.85	<250	<500	<80	--	--	--	--	--	<1.0
MW-109	10/30/02			107.35	8.69	--	0.00	98.66	<250	<500	<80	<0.500	<0.500	<0.500	<1.0	--	6.44
MW-109	1/23/03			107.35	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-109	4/18/03			107.35	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-109	7/11/03			107.35	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-109	10/31/03			107.35	7.63	--	0.00	99.72	<250	<500	<50	<0.500	<0.500	<0.500	<1.0	--	<1.0[5]
MW-109	12/31/03			107.35	6.42	--	0.00	100.93	<50	440	**2,300**	<0.5	<0.5	<0.5	<1.5	--	<1.2
MW-109	5/3/04			107.35	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-109	7/20/04			107.35	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-109	10/6/04			107.35	7.71	--	0.00	99.64	<81	110	<50	--	--	--	--	--	--
MW-109	10/24/05			107.35	7.93	--	0.00	99.42	<81	<100	<48	--	--	--	--	--	--
MW-109	9/5/07			107.35	8.45	--	0.00	98.90	<79	240	91	--	--	--	--	--	0.15
MW-109	5/27-28/08			107.35	7.86	--	0.00	99.49	<79	<98	<50	<0.5	0.6	<0.5	<0.5	<0.5	<0.050
MW-109	8/27-29/08	LFP		107.35	7.92	--	0.00	99.43	<79	<99	<50	<5	<5	<5	<5	<5	<0.050
MW-109	11/17-19/08	LFP		107.35	6.60	--	0.00	100.75	35	110	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-109	2/16-18/09	LFP		107.35	7.59	--	0.00	99.76	53	130	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.093
MW-109	5/4-6/09	LFP		107.35	7.09	--	0.00	100.26	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-109	8/19-21/09	LFP		107.35	8.35	--	0.00	99.00	49	290	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.15
MW-109	11/18-20/09	LFP		107.35	5.74	--	0.00	101.61	98	340	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.15
MW-109	2/8-10/10	LFP		107.35	7.04	--	0.00	100.31	31	<72	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-109	5/12-13/10	LFP		107.35	7.41	--	0.00	99.94	60	270	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-109	8/11/10	LFP		107.35	8.90	--	0.00	98.45	34	300	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.1
MW-109	11/3-4/10	LFP		107.35	6.37	--	0.00	100.98	65	430	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052
MW-109	2/3-4/11	LFP		107.35	7.12	--	0.00	100.23	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052
MW-109	5/23/11	LFP		107.35	7.26	--	0.00	100.09	47	**520**	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052
MW-109	8/23-24/11	LFP		107.35	8.35	--	0.00	99.00	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.12
MW-109	11/7-9/11	LFP		107.35	8.00	--	0.00	99.35	<300	**890**	84	<0.5	<0.5	0.6	<0.5	<0.5	0.19
MW-109	2/6-8/12	LFP		107.35	6.85	--	0.00	100.50	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080
MW-109	5/2-4/12	LFP		107.35	6.90	--	0.00	100.45	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080
MW-109	8/1-3/12	LFP		107.35	8.13	--	0.00	99.22	<30	<71	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.034
MW-109	11/26-28/12	LFP		107.35	6.42	--	0.00	100.93	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.047
MW-109	2/4-6/13	LFP		107.35	6.95	--	0.00	100.40	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073
MW-109	5/6-8/13	LFP		107.35	7.35	--	0.00	100.00	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073
MW-109	9/9-13/13	LFP		107.35	7.34	--	0.00	100.01	<31/<31	<72/<72	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.62
MW-109	11/18-22/13	LFP		107.35	8.12	--	0.00	99.23	<29/68	<67/170	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085
MW-109	2/4-11/14	LFP		107.35	7.33	--	0.00	100.02	<30/<30	<70/<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.20
MW-109	6/12-14/14	LFP		107.35	7.31	--	0.00	100.04	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-8
MW-109	8/18-21/14	LFP		107.35	9.93	--	0.00	97.42	INSUFFICIENT WATER								

Table 2
Historical Groundwater Gauging Data and Analytical Results
COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
MW-109	11/19-20/14	LFP		107.35	7.38	--	0.00	99.97	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082
MW-109	2/17-20/15	LFP		107.35	6.91	--	0.00	100.44	<30/<30	<69/<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082
MW-109	5/11-15/15	LFP		107.35	7.29	--	0.00	100.06	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.12
MW-109	8/10-11/15	LFP		107.35	8.62	--	0.00	98.73	<29/130	210/**640**	<50	<0.5	<0.5	<0.5	<0.5	<0.5	**136**
MW-109	11/16-18/15	LFP		107.35	5.34	--	0.00	102.01	<28/36	<66/97	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.0028
MW-109	5/13-14/16	LFP		107.35	7.76	--	0.00	99.59	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	--	<0.13
MW-109	11/14/16	LFP		107.35	6.40	--	0.00	100.95	<28/77	<65/65	<50	<0.5	<0.5	<0.5	<0.5	--	0.55
MW-109	5/14/17	LFP		107.35	6.70	--	0.00	100.65	<28/45	<66/260	<50	<0.5	<0.5	<0.5	<0.5	--	<0.090
MW-109	11/11-12/17	LFP		107.35	6.61	--	0.00	100.74	<30/<30	<70/<70	<50	<0.5	<0.5	<0.5	<0.5	--	0.40
MW-109	5/11/18	LFP		107.35	7.38	--	0.00	99.97	31/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.11
MW-109	11/11-12/18	LFP		107.35	7.47	--	0.00	99.88	<28/40	96/260	<19	<0.2	<0.2	<0.4	<1	--	<1.1
MW-109	4/27/2019	LFP		107.35	7.28	--	0.00	100.07	97	<67	<19	<0.2	<0.2	<0.4	<1	--	<1.1
MW-110	8/22/95			108.89	9.62	--	0.00	99.27	400	<750	**11,000**	--	--	--	--	--	--
MW-110	11/28/95			108.89	8.08	--	0.00	100.81	**540**	<750	**6,000**	--	--	--	--	--	14
MW-110	3/12/96			108.89	8.74	--	0.00	100.15	340	<750	**3,600**	--	--	--	--	--	14
MW-110	6/26/96			108.89	9.41	--	0.00	99.48	274	<750	**2,750**	--	--	--	--	--	8.14
MW-110	10/9/96			108.89	9.67	--	0.00	99.22	<250	<750	**1,160**	--	--	--	--	--	5.96
MW-110	2/12/97			108.89	8.42	--	0.00	100.47	393	<750	**1,830**	--	--	--	--	--	11.7
MW-110	4/22/97			108.89	8.18	--	0.00	100.71	371	<750	**1,950**	--	--	--	--	--	7.27
MW-110	8/5/97			108.89	9.80	--	0.00	99.09	282	<750	**1,480**	--	--	--	--	--	3.16
MW-110	11/11/97			108.89	8.57	--	0.00	100.32	**659**	<750	**2,330**	--	--	--	--	--	**22.9**
MW-110	2/11/98			108.89	8.54	--	0.00	100.35	390	<750	**2,040**	--	--	--	--	--	**15.3**
MW-110	5/28/98			108.89	8.69	--	0.00	100.20	324	<750	**1,350**	--	--	--	--	--	**15.5**
MW-110	8/20/98			108.89	10.91	--	0.00	97.98	<250	<750	**812**	--	--	--	--	--	1.55
MW-110	11/19/98			108.89	9.51	--	0.00	99.38	258	<750	637	--	--	--	--	--	7.27
MW-110	3/11/99			108.89	8.09	--	0.00	100.80	486	<500	**2,350**	--	--	--	--	--	11
MW-110	5/25/99			108.89	9.28	--	0.00	99.61	<250	--	**2,950**	--	--	--	--	--	--
MW-110	8/17/99			108.89	9.81	--	0.00	99.08	<250	<500	749	--	--	--	--	--	2.2
MW-110	11/19/99			108.89	7.77	--	0.00	101.12	453	--	**2,030**	--	--	--	--	--	**32.4**
MW-110	3/9/00			108.89	8.15	--	0.00	100.74	<250	<500	**3,780**	--	--	--	--	--	9.59
MW-110	6/13/00			108.89	8.81	--	0.00	100.08	<250	<500	**2,330**	--	--	--	--	--	5.45
MW-110	9/26/00			108.89	9.98	--	0.00	98.91	<250	<500	--	--	--	--	--	--	2.83
MW-110	12/13/00			108.89	9.37	--	0.00	99.52	<250	<500	**1,340**	--	--	--	--	--	4.15
MW-110	2/28/01			108.89	9.07	--	0.00	99.82	<250	<500	**1,800**	--	--	--	--	--	6.32
MW-110	5/2/01			108.89	8.62	--	0.00	100.27	<250	<500	**905**	--	--	--	--	--	4.23
MW-110	10/30/02			108.89	10.28	--	0.00	98.61	<250	<500	**3,880**	<2.50	<2.50	22.5	108	--	6.36
MW-110	1/23/03			108.89	8.74	--	0.00	100.15	<250	<500	**1,190**	0.902	0.585	9.83	13.9	--	**26.5**[5]
MW-110	4/18/03			108.89	8.40	--	0.00	100.49	<250	<500	499	1.94	<0.500	0.799	1.65	--	**16.8**[5]
MW-110	7/11/03			108.89	9.99	--	0.00	98.90	<250	<500	586	1.76	<0.500	1.08	1.11	--	2.115
MW-110	10/31/03			108.89	9.25	--	0.00	99.64	<250	<500	184	0.529	<0.500	<0.500	<1.0	--	<1.0[5]
MW-110	12/31/03			108.89	7.94	--	0.00	100.95	**1,800**	410	<99	<10	<2.0	23	25	--	**17.3**
MW-110	5/3/04			108.89	9.56	--	0.00	99.33	<250	<500	454	1.8	<0.500	<0.500	<1.0	--	3.865
MW-110	7/20/04			108.89	10.03	--	0.00	98.86	<250	<500	308	0.893	<0.500	<0.500	<1.0	--	<1.0[5]
MW-110	10/6/04			108.89	9.38	--	0.00	99.51	<79	<99	160	--	--	--	--	--	--
MW-110	1/27/05			108.89	8.65	--	0.00	100.24	<81	<100	150	--	--	--	--	--	--
MW-110	4/12/05			108.89	8.22	--	0.00	100.67	370	<100	290	--	--	--	--	--	--
MW-110	7/18/05			108.89	9.50	--	0.00	99.39	<79	<99	100	--	--	--	--	--	--

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COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
MW-110	7/18/05 (D)			108.89	9.50	--	0.00	99.39	<79	<99	100	--	--	--	--	--	--
MW-110	10/20/05			108.89	9.62	--	0.00	99.27	82	100	110	--	--	--	--	--	--
MW-110	9/4/07			108.89	10.08	--	0.00	98.81	<150	220	290	--	--	--	--	--	5
MW-110	5/27-28/08	LFP		108.89	9.52	--	0.00	99.37	<76	<96	210	<0.5	<0.5	9	0.7	<0.5	9.1
MW-110	8/27-29/08	LFP		108.89	9.60	--	0.00	99.29	120	<100	240	<5	<5	<5	<5	<5	1.5
MW-110	11/17-19/08	LFP		108.89	8.17	--	0.00	100.72	410	<68	150	<0.5	<0.5	<0.5	<0.5	<0.5	**34.1**
MW-110	2/16-18/09	LFP		108.89	9.23	--	0.00	99.66	58	170	<50	<0.5	<0.5	<0.5	<0.5	<0.5	**27.7**
MW-110	5/4-6/09	LFP		108.89	8.60	--	0.00	100.29	380	**670**	96	<0.5	<0.5	<0.5	<0.5	<0.5	5.4
MW-110	8/19-21/09	LFP		108.89	9.98	--	0.00	98.91	<30	76	69	<0.5	<0.5	<0.5	<0.5	<0.5	0.63
MW-110	11/18-20/09	LFP		108.89	6.97	--	0.00	101.92	200	<67	670	<0.5	<0.5	2	<0.5	<0.5	5
MW-110	2/8-10/10	LFP		108.89	8.64	--	0.00	100.25	51	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	12.5
MW-110	5/12-13/10	LFP		108.89	9.08	--	0.00	99.81	39	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	4.2
MW-110	8/11/10	LFP		108.89	9.75	--	0.00	99.14	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.4
MW-110	11/3-4/10	LFP		108.89	8.15	--	0.00	100.74	49	98	<50	<0.5	<0.5	<0.5	<0.5	<0.5	2.5
MW-110	2/3-4/11	LFP		108.89	8.77	--	0.00	100.12	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.72
MW-110	5/24/11	LFP		108.89	8.90	--	0.00	99.99	<29	180	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.43
MW-110	8/23-24/11	LFP		108.89	9.96	--	0.00	98.93	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.62
MW-110	11/7-9/11	LFP		108.89	9.30	--	0.00	99.59	<31	<72	95	<0.5	<0.5	<0.5	<0.5	<0.5	0.22
MW-110	2/6-8/12	LFP		108.89	8.40	--	0.00	100.49	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.22
MW-110	5/2-4/12	LFP		108.89	8.40	--	0.00	100.49	<31	<72	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.23
MW-110	8/1-3/12	LFP		108.89	8.46	--	0.00	100.43	50	<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.093
MW-110	11/26-28/12	LFP		108.89	7.95	--	0.00	100.94	<29	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.30
MW-110	2/4-6/13	LFP		108.89	8.38	--	0.00	100.51	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073
MW-110	5/6-8/13	LFP		108.89	9.52	--	0.00	99.37	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.23
MW-110	9/9-13/13	LFP		108.89	9.03	--	0.00	99.86	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.39
MW-110	11/18-21/13	LFP		108.89	8.22	--	0.00	100.67	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.33
MW-110	2/4-11/14	LFP		108.89	8.98	--	0.00	99.91	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.16
MW-110	6/12-14/14	LFP		108.89	9.50	--	0.00	99.39	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.22
MW-110	8/18-21/14	LFP		108.89	8.53	--	0.00	100.36	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.10
MW-110	11/19-20/14	LFP		108.89	9.08	--	0.00	99.81	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.94
MW-110	2/17-20/15	LFP		108.89	8.39	--	0.00	100.50	<30/<30	<70/<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082
MW-110	5/11-15/15	LFP		108.89	9.51	--	0.00	99.38	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.46
MW-110	8/10-11/15	LFP		108.89	10.23	--	0.00	98.66	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.88
MW-110	11/16-18/15	LFP		108.89	6.54	--	0.00	102.35	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.00
MW-110	5/13-14/16	LFP		108.89	9.04	--	0.00	99.85	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-110	11/14/16	LFP		108.89	8.21	--	0.00	100.68	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-110	5/14/17	LFP		108.89	8.40	--	0.00	100.49	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-110	11/11-12/17	LFP		108.89	8.44	--	0.00	100.45	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-110	5/11/18	LFP		108.89	9.12	--	0.00	99.77	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-110	11/11-12/18	LFP		108.89	9.30	--	0.00	99.59	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-110	4/27/2019	LFP		108.89	8.93	--	0.00	99.96	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-111	8/22/95			107.12	7.86	--	0.00	99.26	360	<750	**33,000**	--	--	--	--	--	--
MW-111	11/28/95			107.12	6.14	--	0.00	100.98	**640**	<750	**17,000**	--	--	--	--	--	10
MW-111	3/12/96			107.12	6.84	--	0.00	100.28	290	<750	**11,000**	--	--	--	--	--	7.6
MW-111	6/26/96			107.12	7.55	--	0.00	99.57	479	<750	**7,690**	--	--	--	--	--	4.8
MW-111	10/9/96			107.12	7.81	--	0.00	99.31	256	<750	**3,560**	--	--	--	--	--	4.7
MW-111	2/12/97			107.12	6.52	--	0.00	100.60	**631**	<750	**17,200**	--	--	--	--	--	8.7
MW-111	4/22/97			107.12	6.31	--	0.00	100.81	**920**	<750	**13,800**	--	--	--	--	--	5.3

Table 2
Historical Groundwater Gauging Data and Analytical Results
COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
MW-111	8/5/97			107.12	7.90	--	0.00	99.22	444	<750	**4,290**	--	--	--	--	--	3.5
MW-111	11/11/97			107.12	6.70	--	0.00	100.42	**770**	<750	**14,300**	--	--	--	--	--	12.4
MW-111	2/11/98			107.12	6.65	--	0.00	100.47	**587**	<750	**13,600**	--	--	--	--	--	8.3
MW-111	5/28/98			107.12	6.89	--	0.00	100.23	**526**	<750	**11,200**	--	--	--	--	--	**16.6**
MW-111	8/20/98			107.12	9.08	--	0.00	98.04	**637**	<750	**5,950**	--	--	--	--	--	1.7
MW-111	11/19/98			107.12	7.60	--	0.00	99.52	**3,890**	<750	**10,500,000**	--	--	--	--	--	2.2
MW-111	1/22/99			107.12	5.36	--	0.00	101.76	--	--	**19,000**	--	--	--	--	--	--
MW-111	3/11/99			107.12	6.19	--	0.00	100.93	**611**	<500	**6,910**	--	--	--	--	--	6.3
MW-111	5/25/99			107.12	7.43	--	0.00	99.69	388	--	**8,500**	--	--	--	--	--	4.2
MW-111	8/17/99			107.12	7.98	--	0.00	99.14	**547**	<500	**17,600**	--	--	--	--	--	3
MW-111	11/19/99			107.12	5.87	--	0.00	101.25	**547**	--	**27,900**	--	--	--	--	--	14.4
MW-111	3/9/00			107.12	6.27	--	0.00	100.85	**12,400**	**646**	**20,800**	--	--	--	--	--	11.8
MW-111	6/13/00			107.12	6.91	--	0.00	100.21	**7,670**	<500	**29,600**	--	--	--	--	--	12.8
MW-111	9/26/00			107.12	8.37	--	0.00	98.75	--	--	--	--	--	--	--	--	--
MW-111	12/13/00			107.12	7.65	--	0.00	99.47	**13,800**	<500	**23,100**	--	--	--	--	--	4.1
MW-111	2/28/01			107.12	7.26	--	0.00	99.86	**3,740**	<500	**16,400**	--	--	--	--	--	5.6
MW-111	5/2/01			107.12	6.89	--	0.00	100.23	**7,530**	<500	**17,700**	--	--	--	--	--	10.7
MW-111	10/30/02			107.12	8.70	8.42	0.28	98.64	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--
MW-111	1/23/03			107.12	6.99	6.95	0.04	100.16	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--
MW-111	4/18/03			107.12	6.89	6.83	0.06	100.28	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--
MW-111	7/11/03			107.12	8.25	8.18	0.07	98.93	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--
MW-111	10/31/03			107.12	7.48	7.45	0.03	99.66	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--
MW-111	12/31/03			107.12	6.40	--	0.00	100.72	**50,000**	**2,800**	300	**8.3**	6.5	**1,100**	**3,300**	--	**15.2**
MW-111	5/3/04			107.12	7.79	7.76	0.03	99.35	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--
MW-111	7/20/04			107.12	8.16	8.10	0.06	99.01	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--
MW-111	10/6/04			107.12	7.54	--	0.00	99.58	240	<100	**5,700**	--	--	--	--	--	--
MW-111	1/27/05			107.12	6.79	--	0.00	100.33	310	<98	**8,800**	--	--	--	--	--	--
MW-111	1/27/05(D)			107.12	6.79	--	0.00	100.33	310	<98	**9,100**	--	--	--	--	--	--
MW-111	4/12/05			107.12	6.32	--	0.00	100.80	**820**	<100	**10,000**	--	--	--	--	--	--
MW-111	4/12/05(D)			107.12	6.32	--	0.00	100.80	**850**	<110	**10,000**	--	--	--	--	--	--
MW-111	7/18/05			107.12	7.75	--	0.00	99.37	460	<96	**6,300**	--	--	--	--	--	--
MW-111	10/20/05			107.12	7.84	--	0.00	99.28	--	--	--	--	--	--	--	--	--
MW-111	9/4/07			107.12	8.26	--	0.00	98.86	**1,100**	<220	**6,800**	--	--	--	--	--	2.8
MW-111	9/4/07			107.12	--	--	0.00	--	<81	<100	<50	--	--	--	--	--	<0.047
MW-111	5/27-28/08			107.12	7.64	--	0.00	99.48	NOT SAMPLED DUE TO OBSTRUCTION IN WELL @ 7 FEET						--	--	--
MW-111	8/27-29/08			107.12	7.71	--	0.00	99.41	NOT SAMPLED DUE TO OBSTRUCTION IN WELL @ 8 FEET						--	--	--
MW-111	11/17-19/08	LFP		107.12	6.27	--	0.00	100.85	**2,300**	<1,400	**18,000**	3	<1	300	220	<1	**36.8**
MW-111	2/16-18/09	LFP		107.12	7.36	--	0.00	99.76	350	74	**20,000**	4	2	190	110	<1	8.5
MW-111	5/4-6/09	LFP		107.12	6.62	--	0.00	100.50	**1,200**	<70	**13,000**	**8**	2	220	120	<0.5	**20.1**
MW-111	8/19-21/09	LFP		107.12	8.12	--	0.00	99.00	**780**	<70	**11,000**	4	0.6	180	130	<0.5	5.3
MW-111	11/18-20/09	LFP		107.12	5.42	--	0.00	101.70	400	<68	**4,700**	**5**	0.7	53	21	<0.5	6.3
MW-111	2/08-10/10	LFP		107.12	6.79	--	0.00	100.33	**2,700**	<140	**19,000**	**16**	1	270	110	<0.5	**18.8**
MW-111	5/11-13/10	LFP		107.12	7.25	--	0.00	99.87	**3,400**	380	**21,000**	**10**	1	300	110	<1	**22.6**
MW-111	8/11/10	LFP		107.12	7.92	--	0.00	99.20	**1,300**	<700	**9,200**	4	<1	220	55	<1	**20.2**
MW-111	11/3-4/10	LFP		107.12	6.12	--	0.00	101.00	**1,700**	**640**	**7,000**	4	<1	160	68	<1	**29.5**
MW-111	2/3-4/11	LFP		107.12	6.91	--	0.00	100.21	**2,800**	<340	**14,000**	**10**	0.9	250	72	<0.5	**19.9**
MW-111	5/24/11	LFP		107.12	7.03	--	0.00	100.09	**500**	130	**2,700**	<0.5	<0.5	65	15	<0.5	2.8
MW-111	8/23-24/11	LFP		107.12	9.16	--	0.00	97.96	**1,600**	<69	**6,900**	3	<0.5	130	11	<0.5	12.2
MW-111	11/7-9/11	LFP		107.12	7.85	--	0.00	99.27	**4,700**	<730	**20,000**	1	<1	140	26	<1	**45.8**

Table 2
Historical Groundwater Gauging Data and Analytical Results
COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
MW-111	2/6-8/12	LFP		107.12	6.55	--	0.00	100.57	**690**	110	**5,100**	**5**	<0.5	140	<0.5	<0.5	**22.1**
MW-111	5/2-4/12	LFP		107.12	6.50	--	0.00	100.62	420	<68	**4,400**	**5**	0.7	170	23	<0.5	8.9
MW-111	8/1-3/12	LFP		107.12	7.93	--	0.00	99.19	**620**	140	**6,900**	0.6	<0.5	<0.5	12	<0.5	**22.9**
MW-111	11/26-28/12	LFP		107.12	6.07	--	0.00	101.05	**15,000**	<3,500	**5,200**	4	<0.5	140	32	<0.5	**36.1**
MW-111	2/4-6/13	LFP		107.12	6.53	--	0.00	100.59	**2,300**	**710**	**7,500**	<3	<3	120	24	<0.5	**17.8**
MW-111	5/6-8/13	LFP		107.12	7.46	--	0.00	99.66	300	<67	**5,500**	2	<0.5	100	13	<0.5	**16.6**
MW-111	9/9-13/13	LFP		107.12	7.15	--	0.00	99.97	330/**3,600**	<66/89	**5,500**	1	<0.5	110	39	<0.5	**59.4**
MW-111	11/18-22/13	LFP		107.12	6.42	--	0.00	100.70	370/**1,000**	<66/<66	**3,300**	0.9	<0.5	77	13	<0.5	**17.8**
MW-111	2/4-11/14	LFP		107.12	7.11	--	0.00	100.01	410/**1,000**	<68/<68	**4,800**	1	<0.5	75	7	<0.5	**27.3**
MW-111	6/12-14/14	LFP		107.12	7.70	--	0.00	99.42	380/**1,200**	<67/83	**4,200**	2	<0.5	130	14	<0.5	**16.1**
MW-111	8/18-21/14	LFP		107.12	8.07	--	0.00	99.05	310/**1,400**	<67/100	**4,700**	1	<0.5	49	1	<0.5	1.09
MW-111	11/19-20/14	LFP		107.12	6.47	--	0.00	100.65	430/**1,800**	<69/320	**6,000**	2	<0.5	120	11	<0.5	**45.3**
MW-111	2/17-20/15	LFP		107.12	6.57	--	0.00	100.55	230/**730**	<68/180	**3,600**	1	<0.5	44	3	<0.5	14.3
MW-111	5/11-15/15	LFP		107.12	9.02	--	0.00	98.10	320/**1,000**	<66/<66	**4,400**	1	<0.5	71	5	<0.5	0.0202
MW-111	8/10-11/15	LFP		107.12	8.43	--	0.00	98.69	470/**2,700**	<67/93	**4,500**	<3	<3	31	6	<3	12.5
MW-111	11/16-18/15	LFP		107.12	4.59	--	0.00	102.53	150/450	<67/270	**1,900**	<0.5	<0.5	9	1	<0.5	0.0078
MW-111	5/13-14/16	LFP		107.12	8.95	--	0.00	98.17	350/**1,200**	**680/1,600**	**4,200**	<0.5	<0.5	19	2	--	7.8
MW-111	11/14/16	LFP		107.12	--	--	--	--	WELL FLOODED-UNABLE TO ACCESS						2	--	7.8
MW-111	5/14/17	LFP		107.12	6.37	--	0.00	100.75	490/**1,200**	**630/1,400**	**9,200**	1	<0.5	46	3	--	10.3
MW-111	11/11-12/17			107.12	--	--	--	--	UNABLE TO ACCESS						--	--	--
MW-111	5/11/18	LFP		107.12	7.57	--	0.00	99.55	440/**1,400**	400/**970**	**6,600**	**14**	2	45	3	<0.5	13.8
MW-111	11/11-12/18	LFP		107.12	7.31	--	0.00	99.81	300/**3,300**	<68/320	**4,000**	3	0.6	33	3	--	**92.8**
MW-111	4/27/2019	LFP		107.12	7.11	--	0.00	100.01	**1,800**	**1,900**	**5,800**	3	0.6 J	29	2 J	--	**17.8**
MW-112	8/22/95			107.58	8.42	--	0.00	99.16	<250	<750	480	--	--	--	--	--	--
MW-112	11/28/95			107.58	6.73	--	0.00	100.85	<250	<750	150	--	--	--	--	--	5.8
MW-112	3/12/96			107.58	7.43	--	0.00	100.15	<250	<750	250	--	--	--	--	--	<2.0
MW-112	6/26/96			107.58	8.12	--	0.00	99.46	<250	<750	63.8	--	--	--	--	--	<2.0
MW-112	10/9/96			107.58	8.36	--	0.00	99.22	<250	<750	93.1	--	--	--	--	--	2.62
MW-112	2/12/97			107.58	7.11	--	0.00	100.47	322	<750	**1,250**	--	--	--	--	--	2.99
MW-112	4/22/97			107.58	6.85	--	0.00	100.73	<250	<750	323	--	--	--	--	--	<2.0
MW-112	8/5/97			107.58	8.45	--	0.00	99.13	<250	<750	124	--	--	--	--	--	<2.0
MW-112	11/11/97			107.58	7.26	--	0.00	100.32	<250	<750	112	--	--	--	--	--	<2.0
MW-112	2/11/98			107.58	7.25	--	0.00	100.33	<250	<750	658	--	--	--	--	--	<2.0
MW-112	5/28/98			107.58	7.46	--	0.00	100.12	315	<750	713	--	--	--	--	--	10.4
MW-112	8/20/98			107.58	9.64	--	0.00	97.94	<250	<750	<50	--	--	--	--	--	<1.0
MW-112	11/19/98			107.58	8.20	--	0.00	99.38	<250	<750	367	--	--	--	--	--	<1.0
MW-112	3/11/99			107.58	6.79	--	0.00	100.79	<250	<500	**1,370**	--	--	--	--	--	1.42
MW-112	5/25/99			107.58	7.97	--	0.00	99.61	<250	--	<80	--	--	--	--	--	--
MW-112	8/17/99			107.58	8.51	--	0.00	99.07	<250	<500	106	--	--	--	--	--	<1.6
MW-112	11/19/99			107.58	6.46	--	0.00	101.12	<250	--	<80	--	--	--	--	--	<1.0
MW-112	3/9/00			107.58	6.85	--	0.00	100.73	<250	<500	<80	--	--	--	--	--	<1.0
MW-112	6/13/00			107.58	7.48	--	0.00	100.10	<250	<500	**824**	--	--	--	--	--	2.14
MW-112	9/26/00			107.58	8.66	--	0.00	98.92	<250	<500	--	--	--	--	--	--	<1.0
MW-112	12/13/00			107.58	8.07	--	0.00	99.51	<250	<500	<80	--	--	--	--	--	<1.0
MW-112	2/28/01			107.58	7.77	--	0.00	99.81	<250	<500	<80	--	--	--	--	--	<1.0
MW-112	5/2/01			107.58	7.31	--	0.00	100.27	<250	<500	710	--	--	--	--	--	1.44
MW-112	10/30/02			107.58	8.95	--	0.00	98.63	<250	<500	95.7	<0.500	<0.500	<0.500	<1.00	--	2.63
MW-112	1/23/03			107.58	7.39	--	0.00	100.19	<250	<500	178	<0.500	<0.500	0.730	<1.00	--	<1.0[5]

Table 2
Historical Groundwater Gauging Data and Analytical Results
COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
MW-112	4/18/03			107.58	7.28	--	0.00	100.30	<250	<500	93.4	<0.500	<0.500	<0.500	<1.00	--	<1.0[5]
MW-112	7/11/03			107.58	8.68	--	0.00	98.90	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--	<1.0[5]
MW-112	10/31/03			107.58	8.04	--	0.00	99.54	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	--	<1.0[5]
MW-112	12/30/03			107.58	6.62	--	0.00	100.96	<50	<77	<97	<0.5	<0.5	<0.5	<1.5	--	<1.2
MW-112	5/3/04			107.58	8.22	--	0.00	99.36	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	--	<1.0[5]
MW-112	7/20/04			107.58	8.69	--	0.00	98.89	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
MW-112	10/7/04			107.58	8.06	--	0.00	99.52	<82	<100	<50	--	--	--	--	--	--
MW-112	7/18/05			107.58	8.26	--	0.00	99.32	<77	<96	<48	--	--	--	--	--	--
MW-112	10/21/05			107.58	8.25	--	0.00	99.33	<82	<100	48	--	--	--	--	--	--
MW-112	9/5/07			107.58	8.79	--	0.00	98.79	<79	<99	<50	--	--	--	--	--	0.52
MW-112	5/27-28/08	LFP		107.58	8.22	--	0.00	99.36	<80	<100	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.24
MW-112	8/27-29/08	LFP		107.58	8.26	--	0.00	99.32	<79	<99	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.92
MW-112	11/17-19/08	LFP		107.58	6.87	--	0.00	100.71	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.057
MW-112	2/16-18/09	LFP		107.58	7.92	--	0.00	99.66	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.51
MW-112	5/4-06/09	LFP		107.58	7.26	--	0.00	100.32	120	<69	380	2	<0.5	<0.5	<0.5	<0.5	2.1
MW-112	8/19-21/09	LFP		107.58	8.67	--	0.00	98.91	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.27
MW-112	11/18-20/09	LFP		107.58	5.58	--	0.00	102.00	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.36
MW-112	2/8-10/10	LFP		107.58	7.35	--	0.00	100.23	<29	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.46
MW-112	5/12-13/10	LFP		107.58	7.77	--	0.00	99.81	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.58
MW-112	8/12/10	LFP		107.58	8.45	--	0.00	99.13	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.29
MW-112	11/3-4/10	LFP		107.58	6.85	--	0.00	100.73	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.19
MW-112	2/3-4/11	LFP		107.58	8.21	--	0.00	99.37	49	89	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.56
MW-112	5/24/11	LFP		107.58	7.58	--	0.00	100.00	<29	270	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.49
MW-112	8/23-24/11	LFP		107.58	8.52	--	0.00	99.06	**860**	<66	72	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080
MW-112	11/7-9/11	LFP		107.58	8.35	--	0.00	99.23	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.24
MW-112	2/6-8/12	LFP		107.58	7.10	--	0.00	100.48	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.22
MW-112	5/2-4/12	LFP		107.58	7.20	--	0.00	100.38	<30	<69	68	<0.5	<0.5	<0.5	<0.5	<0.5	1.5
MW-112	8/1-3/12	LFP		107.58	8.45	--	0.00	99.13	<31	<72	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.39
MW-112	11/26-28/12	LFP		107.58	6.67	--	0.00	100.91	<30	<71	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.14
MW-112	2/4-6/13	LFP		107.58	7.22	--	0.00	100.36	<28	<66	50	<0.5	<0.5	<0.5	<0.5	<0.5	0.64
MW-112	5/6-8/13	LFP		107.58	8.00	--	0.00	99.58	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.47
MW-112	9/9-13/13	LFP		107.58	7.71	--	0.00	99.87	<29/32	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.85
MW-112	11/18-22/13	LFP		107.58	6.76	--	0.00	100.82	<29/33	<67/<67	68	<0.5	<0.5	<0.5	<0.5	<0.5	0.58
MW-112	2/4-11/2014	LFP		107.58	7.67	--	0.00	99.91	<29/<29	<68/<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.38
MW-112	6/12-14/14			107.58		INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
MW-112	8/18-21/14	LFP		107.58	8.63	--	0.00	98.95	<29/<29	<68/<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.36
MW-112	11/19-20/14	LFP		107.58	7.71	--	0.00	99.87	<29/<29	<68/<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.13
MW-112	2/17-20/15	LFP		107.58	7.33	--	0.00	100.25	<30/<30	<69/<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.083
MW-112	5/11-15/15	LFP		107.58	8.19	--	0.00	99.39	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.460
MW-112	8/10-11/15	LFP		107.58	8.90	--	0.00	98.68	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.200
MW-112	11/16-18/15	LFP		107.58	5.65	--	0.00	101.93	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.0014
MW-112	5/13-14/16	LFP		107.58	8.18	--	0.00	99.40	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--	<0.13
MW-112	11/14/16	LFP		107.58	6.90	--	0.00	100.68	56	<70	<50	<0.5	<0.5	<0.5	<0.5	--	0.33
MW-112	5/14/17	LFP		107.58	7.05	--	0.00	100.53	<28	<66	150	<0.5	<0.5	<0.5	<0.5	--	0.56
MW-112	11/11-12/17	LFP		107.58	6.99	--	0.00	100.59	<28	<66	95	<0.5	<0.5	<0.5	<0.5	--	0.27
MW-112	5/11/18	LFP		107.58	7.82	--	0.00	99.76	59	<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.20
MW-112	11/11-12/18	LFP		107.58	7.81	--	0.00	99.77	<28	<66	<19	<0.2	<0.2	<0.4	<1	--	<1.1
MW-112	4/27/2019	LFP		107.58	7.62	--	0.00	99.96	130	98 J	38 J	<0.2	<0.2	<0.4	<1	--	<1.1

Table 2
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COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
MW-113	8/22/95			108.44	9.26	--	0.00	99.18	320	<750	**3,100**	--	--	--	--	--	--
MW-113	11/28/95			108.44	7.55	--	0.00	100.89	<250	<750	180	--	--	--	--	--	<2.0
MW-113	3/12/96			108.44	8.26	--	0.00	100.18	<250	<750	750	--	--	--	--	--	<2.0
MW-113	6/26/96			108.44	8.95	--	0.00	99.49	<250	<750	**809**	--	--	--	--	--	2.43
MW-113	10/9/96			108.44	9.21	--	0.00	99.23	<250	<750	494	--	--	--	--	--	2.95
MW-113	2/12/97			108.44	7.93	--	0.00	100.51	<250	<750	**1,600**	--	--	--	--	--	<2.0
MW-113	4/22/97			108.44	7.71	--	0.00	100.73	291	<750	748	--	--	--	--	--	<2.0
MW-113	8/5/97			108.44	9.37	--	0.00	99.07	<250	<750	**876**	--	--	--	--	--	<2.0
MW-113	11/11/97			108.44	8.04	--	0.00	100.40	<250	<750	<50	--	--	--	--	--	<2.0
MW-113	2/11/98			108.44	8.02	--	0.00	100.42	<250	<750	76.10	--	--	--	--	--	<2.0
MW-113	5/28/98			108.44	8.31	--	0.00	100.13	<250	<750	116	--	--	--	--	--	6.26
MW-113	8/20/98			108.44	10.48	--	0.00	97.96	<250	<750	235	--	--	--	--	--	<1.0
MW-113	11/19/98			108.44	9.02	--	0.00	99.42	<250	<750	<50	--	--	--	--	--	<1.0
MW-113	3/11/99			108.44	7.59	--	0.00	100.85	<250	<750	162	--	--	--	--	--	<1.0
MW-113	5/25/99			108.44	8.83	--	0.00	99.61	<250	--	321	--	--	--	--	--	--
MW-113	8/17/99			108.44	9.34	--	0.00	99.10	<250	<500	265	--	--	--	--	--	1.2
MW-113	11/19/99			108.44	7.27	--	0.00	101.17	<250	--	<80	--	--	--	--	--	<1.0
MW-113	3/9/00			108.44	7.66	--	0.00	100.78	<250	<500	96.70	--	--	--	--	--	<1.0
MW-113	6/13/00			108.44	8.29	--	0.00	100.15	<250	<500	154	--	--	--	--	--	<1.0
MW-113	9/26/00			108.44	9.51	--	0.00	98.93	<250	<500	--	--	--	--	--	--	<1.0
MW-113	12/13/00			108.44	8.91	--	0.00	99.53	<250	**588**	<80	--	--	--	--	--	<1.0
MW-113	2/28/01			108.44	8.60	--	0.00	99.84	<250	<500	<80	--	--	--	--	--	<1.0
MW-113	5/2/01			108.44	8.14	--	0.00	100.30	<250	<500	<80	--	--	--	--	--	<1.0
MW-113	10/30/02			108.44	9.85	--	0.00	98.59	<250	<500	<80	<0.500	<0.500	<0.500	<1.0	--	1.55
MW-113	1/23/03			108.44	8.29	--	0.00	100.15	<250	<500	<80	<0.500	<0.500	<0.500	<1.0	--	<1.0[5]
MW-113	4/18/03			108.44	8.09	--	0.00	100.35	<250	<500	<50	<0.500	<0.500	<0.500	<1.0	--	<1.0[5]
MW-113	7/11/03			108.44	9.51	--	0.00	98.93	<250	<500	<50	<0.500	<0.500	<0.500	<1.0	--	<1.0[5]
MW-113	10/31/03			108.44	8.80	--	0.00	99.64	<250	<500	<50	<0.500	<0.500	<0.500	<1.0	--	<1.0[5]
MW-113	12/31/03			108.44	7.44	--	0.00	101.00	<50	<77	<97	<0.5	<0.5	<0.5	<1.5	--	<1.2
MW-113	5/3/04			108.44	9.14	--	0.00	99.30	<250	<500	<50	<0.500	<0.500	<0.500	<1.0	--	<1.0[5]
MW-113	7/20/04			108.44	9.58	--	0.00	98.86	<250	<500	<50	<0.500	<0.500	<0.500	<1.0	--	--
MW-113	10/6/04			108.44	8.92	--	DRY	--	--	--	--	--	--	--	--	--	--
MW-113	1/27/05			108.44	8.15	--	0.00	--	<84	<110	<48	--	--	--	--	--	--
MW-113	4/12/05			108.44	7.76	--	0.00	--	<88	<110	<48	--	--	--	--	--	--
MW-113	7/18/05			108.44	9.11	--	0.00	--	<79	<98	<48	--	--	--	--	--	--
MW-113	10/26/05			108.44	9.10	--	0.00	--	<82	<100	<48	--	--	--	--	--	--
MW-113	9/5/07			108.44	9.59	--	0.00	98.85	<82	<100	<50	--	--	--	--	--	0.32
MW-113	9/5/07 (D)			108.44	9.59	--	0.00	98.85	<82	<100	<50	--	--	--	--	--	0.32
MW-113	5/27-28/08	LFP		108.44	9.02	--	0.00	99.42	<82	<100	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.16
MW-113	8/27-29/08	LFP		108.44	9.10	--	0.00	99.34	<81	<100	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.19
MW-113	11/17-19/08	LFP		108.44	7.68	--	0.00	100.76	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-113	2/16-18/09	LFP		108.44	8.75	--	0.00	99.69	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.087
MW-113	5/4-6/09	LFP		108.44	8.28	--	0.00	100.16	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-113	8/19-21/09	LFP		108.44	9.50	--	0.00	98.94	<31	<71	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.14
MW-113	11/18-20/09	LFP		108.44	6.39	--	0.00	102.05	<29	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.16
MW-113	2/8-10/10	LFP		108.44	8.15	--	0.00	100.29	<29	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-113	5/12-13/10	LFP		108.44	8.60	--	0.00	99.84	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.093

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Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
MW-113	8/12/10	LFP		108.44	9.29	--	0.00	99.15	<29	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.077
MW-113	11/3-4/10	LFP		108.44	7.65	--	0.00	100.79	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052
MW-113	2/3-4/11	LFP		108.44	8.26	--	0.00	100.18	<30	<71	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052
MW-113	5/24/11	LFP		108.44	8.42	--	0.00	100.02	<30	330	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052
MW-113	8/23-24/11	LFP		108.44	9.32	--	0.00	99.12	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.096
MW-113	11/7-9/11	LFP		108.44	9.20	--	0.00	99.24	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.12
MW-113	2/6-8/12	LFP		108.44	7.95	--	0.00	100.49	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080
MW-113	5/2-4/12	LFP		108.44	8.00	--	0.00	100.44	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080
MW-113	8/1-3/12	LFP		108.44	9.30	--	0.00	99.14	<31	<72	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.048
MW-113	11/26-28/12	LFP		108.44	7.49	--	0.00	100.95	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.047
MW-113	2/4-6/13	LFP		108.44	8.06	--	0.00	100.38	30	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073
MW-113	5/6-8/13	LFP		108.44	8.83	--	0.00	99.61	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073
MW-113	9/9-13/13	LFP		108.44	8.56	--	0.00	99.88	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.12
MW-113	11/18-21/13	LFP		108.44	7.74	--	0.00	100.70	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.11
MW-113	2/4-11/14	LFP		108.44	6.56	--	0.00	101.88	<29/<29	<69/<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085
MW-113	6/12-14/14	LFP		108.44	8.79	--	0.00	99.65	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085
MW-113	8/18-21/14	LFP		108.44	9.39	--	0.00	99.05	<30/<30	<71/<71	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.35
MW-113	11/19-20/14	LFP		108.44	8.59	--	0.00	99.85	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082
MW-113	2/17-20/15	LFP		108.44	8.01	--	0.00	100.43	<30/<30	<70/<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082
MW-113	5/11-15/15	LFP		108.44	9.08	--	0.00	99.36	<29/<29	<67/<67	75	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082
MW-113	8/10-11/15	LFP		108.44	9.28	--	0.00	99.16	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.13
MW-113	11/16-18/15	LFP		108.44	5.99	--	0.00	102.45	<29/<29	<68/<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.00019
MW-113	5/13-14/16	LFP		108.44	8.95	--	0.00	99.49	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--	<0.13
MW-113	11/14/16	LFP		108.44	7.73	--	0.00	100.71	57	<66	<50	<0.5	<0.5	<0.5	<0.5	--	<0.090
MW-113	5/14/17	LFP		108.44	7.88	--	0.00	100.56	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--	<0.090
MW-113	11/11-12/17	LFP		108.44	7.81	--	0.00	100.63	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--	<0.11
MW-113	5/11/18	LFP		108.44	8.65	--	0.00	99.79	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.11
MW-113	11/11-12/18	LFP		108.44	8.68	--	0.00	99.76	<28	<65	<19	<0.2	<0.2	<0.4	<1	--	<1.1
MW-113	4/27/2019	LFP		108.44	8.11	--	0.00	100.33	81 J	130 J	<19	<0.2	<0.2	<0.4	<1	--	<1.1
MW-114	8/22/95			106.89	7.47	--	0.00	99.42	<250	<750	<50	--	--	--	--	--	--
MW-114	11/28/95			106.89	5.83	--	0.00	101.06	<250	<750	<50	--	--	--	--	--	<2.0
MW-114	3/12/96			106.89	6.39	--	0.00	100.50	<250	<750	<50	--	--	--	--	--	<2.0
MW-114	6/26/96			106.89	7.11	--	0.00	99.78	<250	<750	<50	--	--	--	--	--	<2.0
MW-114	10/9/96			106.89	7.42	--	0.00	99.47	<250	<750	<50	--	--	--	--	--	<2.0
MW-114	2/12/97			106.89	5.47	--	0.00	101.42	<250	<750	<50	--	--	--	--	--	<2.0
MW-114	4/22/97			106.89	14.30	--	0.00	92.59	<250	<750	<50	--	--	--	--	--	<2.0
MW-114	8/5/97			106.89	7.65	--	0.00	99.24	<250	**1,410**	<50	--	--	--	--	--	<2.0
MW-114	11/11/97			106.89	6.45	--	0.00	100.44	<250	<750	<50	--	--	--	--	--	<2.0
MW-114	2/11/98			106.89	6.23	--	0.00	100.66	<250	<750	<50	--	--	--	--	--	<2.0
MW-114	5/28/98			106.89	6.44	--	0.00	100.45	<250	<750	<50	--	--	--	--	--	5.91
MW-114	8/20/98			106.89	8.75	--	0.00	98.14	<250	<750	<50	--	--	--	--	--	<1.0
MW-114	11/19/98			106.89	7.05	--	0.00	99.84	<250	<750	<50	--	--	--	--	--	<1.0
MW-114	3/11/99			106.89	5.90	--	0.00	100.99	<250	<500	<80	--	--	--	--	--	<1.0
MW-114	5/25/99			106.89	7.10	--	0.00	99.79	<250	--	<80	--	--	--	--	--	--
MW-114	8/17/99			106.89	7.59	--	0.00	99.30	<250	**607**	<80	--	--	--	--	--	<1.0
MW-114	11/19/99			106.89	5.59	--	0.00	101.30	<250	--	<80	--	--	--	--	--	<1.0
MW-114	3/9/00			106.89	5.98	--	0.00	100.91	<250	<500	<80	--	--	--	--	--	<1.0
MW-114	6/13/00			106.89	6.04	--	0.00	100.85	<250	<500	<80	--	--	--	--	--	<1.0

Table 2
Historical Groundwater Gauging Data and Analytical Results
COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
MW-114	9/26/00			106.89	7.81	--	0.00	99.08	<250	<500	--	--	--	--	--	--	<1.0
MW-114	12/13/00			106.89	7.06	--	0.00	99.83	<250	<500	--	--	--	--	--	--	<1.0
MW-114	2/28/01			106.89	6.79	--	0.00	100.10	<250	<500	<80	--	--	--	--	--	<1.0
MW-114	5/2/01			106.89	8.84	--	0.00	98.05	<250	**1,880**	<80	--	--	--	--	--	<1.0
MW-114	10/30/02			106.89	8.32	--	0.00	98.57	<250	**1,090**	115	<0.500	<0.500	1.17	5.18	--	1.01
MW-114	1/23/03			106.89	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-114	4/18/03			106.89	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-114	7/11/03			106.89	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-114	10/31/03			106.89	6.61	--	0.00	100.28	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.0	--	<1.0[5]
MW-114	12/30/03			106.89	5.81	--	0.00	101.08	<50	480	**3,600**	<0.5	<0.5	<0.5	<1.5	--	<1.2
MW-114	5/3/04			106.89	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-114	7/20/04			106.89	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-114	10/6/04			106.89	6.98	--	0.00	99.91	<76	<95	<50	--	--	--	--	--	--
MW-114	10/24/05			106.89	7.28	--	0.00	99.61	<79	<99	<48	--	--	--	--	--	--
MW-114	9/5/07			106.89	7.87	--	0.00	99.02	94	**810**	<50	--	--	--	--	--	0.38
MW-114	5/27-28/08	LFP		106.89	7.19	--	0.00	99.70	<1,600	**15,000**	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.14
MW-114	8/27-29/08	LFP		106.89	7.30	--	0.00	99.59	270	**2,200**	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.25
MW-114	11/17-19/08	LFP		106.89	6.01	--	0.00	100.88	330	**4,600**	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.13
MW-114	2/16-18/09	LFP		106.89	6.91	--	0.00	99.98	210	**1,900**	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.22
MW-114	5/4-6/09	LFP		106.89	6.42	--	0.00	100.47	180	**1,400**	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.43
MW-114	8/19-21/09	LFP		106.89	7.78	--	0.00	99.11	<30	<71	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.79
MW-114	11/18-20/09	LFP		106.89	5.10	--	0.00	101.79	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.34
MW-114	2/8-10/10	LFP		106.89	6.38	--	0.00	100.51	110	**790**	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.19
MW-114	5/12-13/10	LFP		106.89	6.71	--	0.00	100.18	<30	80	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.23
MW-114	8/11/10	LFP		106.89	7.45	--	0.00	99.44	<29	220	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.15
MW-114	11/3-4/10	LFP		106.89	5.88	--	0.00	101.01	<29	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.24
MW-114	2/3-4/11	LFP		106.89	6.48	--	0.00	100.41	60	460	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.10
MW-114	5/23/11	LFP		106.89	6.55	--	0.00	100.34	55	380	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.36
MW-114	8/23-24/11	LFP		106.89	7.70	--	0.00	99.19	130	**1,500**	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.41
MW-114	11/7-9/11	LFP		106.89	7.35	--	0.00	99.54	120	**950**	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.19
MW-114	2/6-8/12	LFP		106.89	6.25	--	0.00	100.64	<29	180	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.088
MW-114	5/2-4/12	LFP		106.89	5.95	--	0.00	100.94	<30	140	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.72
MW-114	8/1-3/12	LFP		106.89	7.50	--	0.00	99.39	140	**910**	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.084
MW-114	11/26-28/12	LFP		106.89	5.88	--	0.00	101.01	<31	<72	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.19
MW-114	2/4-6/13	LFP		106.89	6.27	--	0.00	100.62	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.13
MW-114	5/6-8/13	LFP		106.89	6.97	--	0.00	99.92	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.20
MW-114	9/9-13/13	LFP		106.89	6.96	--	0.00	99.93	<29/60	<67/260	<50	<0.5	<0.5	<0.5	<0.5	<0.5	2.3
MW-114	11/18-22/13	LFP		106.89	8.36	--	0.00	98.53	200/99	<68/340	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.10
MW-114	2/4-11/14	LFP		106.89	6.56	--	0.00	100.33	<29/<29	<67/71	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.12
MW-114	6/12-14/14	LFP		106.89	6.96	--	0.00	99.93	38/94	340/**820**	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.18
MW-114	8/18-21/14	LFP		106.89	7.57	--	0.00	99.32	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.10
MW-114	11/19-20/14	LFP		106.89	6.75	--	0.00	100.14	<28/<28	<66/140	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.20
MW-114	2/17-20/15	LFP		106.89	6.31	--	0.00	100.58	<30/<30	<69/<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082
MW-114	5/11-15/15	LFP		106.89	6.89	--	0.00	100.00	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.55
MW-114	8/10-11/15	LFP		106.89	8.03	--	0.00	98.86	<29/130	170/**570**	<50	<0.5	<0.5	<0.5	<0.5	<0.5	**39.2**
MW-114	11/16-18/15	LFP		106.89	4.54	--	0.00	102.35	<29/49	<67/280	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.0145
MW-114	5/13-14/16	LFP		106.89	7.97	--	0.00	98.92	35/67	260/490	<50	<0.5	<0.5	<0.5	<0.5	--	<0.13
MW-114	11/14/16	LFP		106.89	5.40	--	0.00	101.49	36/220	280/**790**	<50	<0.5	<0.5	<0.5	<0.5	--	2.5
MW-114	5/14/17	LFP		106.89	5.93	--	0.00	100.96	38/42	280/<67	<50	<0.5	<0.5	<0.5	<0.5	--	8.3

Table 2
Historical Groundwater Gauging Data and Analytical Results
COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
MW-114	11/11-12/17	LFP		106.89	5.82	--	0.00	101.07	<28/61	<66/320	<50	<0.5	<0.5	<0.5	<0.5	--	0.45
MW-114	5/11/18	LFP		106.89	6.70	--	0.00	100.19	<28/29	98/230	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.40
MW-114	11/11-12/18			106.89	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-114	4/27/2019	LFP		106.89	6.60	--	0.00	100.29	99	300	<19	<0.2	<0.2	<0.4	<1	--	5
MW-115	8/22/95			107.94	8.79	--	0.00	99.15	<250	<750	**1,800**	--	--	--	--	--	--
MW-115	11/28/95			107.94	7.05	--	0.00	100.89	<250	<750	460	--	--	--	--	--	<2.0
MW-115	3/12/96			107.94	7.76	--	0.00	100.18	<250	<750	630	--	--	--	--	--	<2.0
MW-115	6/26/96			107.94	8.45	--	0.00	99.49	<250	<750	706	--	--	--	--	--	<2.0
MW-115	10/9/96			107.94	8.71	--	0.00	99.23	<250	<750	722	--	--	--	--	--	2.54
MW-115	2/12/97			107.94	7.48	--	0.00	100.46	<250	<750	58	--	--	--	--	--	<2.0
MW-115	4/22/97			107.94	7.25	--	0.00	100.69	<250	<750	<50	--	--	--	--	--	<2.0
MW-115	8/5/97			107.94	8.77	--	0.00	99.17	<250	<750	611	--	--	--	--	--	2.0
MW-115	11/11/97			107.94	7.71	--	0.00	100.23	<250	<750	57	--	--	--	--	--	<2.0
MW-115	2/11/98			107.94	7.72	--	0.00	100.22	<250	<750	89.5	--	--	--	--	--	<2.0
MW-115	5/28/98			107.94	7.92	--	0.00	100.02	<250	<750	<50	--	--	--	--	--	8.08
MW-115	8/20/98			107.94	9.18	--	0.00	98.76	<250	<750	155	--	--	--	--	--	<1.0
MW-115	11/19/98			107.94	8.58	--	0.00	99.36	<250	<750	<50	--	--	--	--	--	<1.0
MW-115	3/11/99			107.94	7.12	--	0.00	100.82	<250	<750	<80	--	--	--	--	--	<1.0
MW-115	5/25/99			107.94	8.33	--	0.00	99.61	<250	--	<80	--	--	--	--	--	--
MW-115	8/17/99			107.94	8.87	--	0.00	99.07	<250	<500	163	--	--	--	--	--	1.4
MW-115	11/19/99			107.94	6.82	--	0.00	101.12	<250	--	<80	--	--	--	--	--	<1.0
MW-115	3/9/00			107.94	7.20	--	0.00	100.74	<250	<500	103	--	--	--	--	--	<1.0
MW-115	6/13/00			107.94	7.82	--	0.00	100.12	--	--	<80	--	--	--	--	--	<1.0
MW-115	9/26/00			107.94	9.02	--	0.00	98.92	<250	<500	--	--	--	--	--	--	1.02
MW-115	12/13/00			107.94	8.43	--	0.00	99.51	<250	<500	313	--	--	--	--	--	<1.0
MW-115	2/28/01			107.94	8.13	--	0.00	99.81	<250	<500	177	--	--	--	--	--	<1.0
MW-115	5/2/01			107.94	10.37	--	0.00	97.57	<250	<500	162	--	--	--	--	--	<1.0
MW-115	10/30/02			107.94	9.33	--	0.00	98.61	<250	<500	175	<0.500	<0.500	<0.500	<1.0	--	4.36
MW-115	1/23/03			107.94	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-115	4/18/03			107.94	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-115	7/11/03			107.94	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-115	10/31/03			107.94	8.30	--	0.00	99.64	<250	<500	78.9	<0.500	<0.500	<0.500	<1.0	--	<1.0[5]
MW-115	12/31/03			107.94	6.98	--	0.00	100.96	<50	<79	<99	<0.5	<0.5	<0.5	<1.5	--	<1.2
MW-115	5/3/04			107.94	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-115	7/20/04			107.94	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-115	10/6/04			107.94	8.43	--	0.00	99.51	<160	<200	<50	--	--	--	--	--	--
MW-115	10/21/05			107.94	8.67	--	0.00	99.27	<81	<100	<48	--	--	--	--	--	--
MW-115	10/21/05(D)			107.94	8.67	--	0.00	99.27	<82	<100	<48	--	--	--	--	--	--
MW-115	9/5/07			107.94	9.11	--	0.00	98.83	<76	<95	<50	--	--	--	--	--	0.37
MW-115	5/27-28/08			107.94	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-115	8/27-29/08	LFP		107.94	8.63	--	0.00	99.31	<82	<100	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.35
MW-115	11/17-19/08	LFP		107.94	7.25	--	0.00	100.69	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.097
MW-115	2/16-18/09	LFP		107.94	8.31	--	0.00	99.63	<31	<71	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.17
MW-115	5/4-6/09	LFP		107.94	7.66	--	0.00	100.28	42	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.36
MW-115	8/19-21/09	LFP		107.94	9.04	--	0.00	98.90	320	**2,700**	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.64
MW-115	10/19/09	LFP		107.94	8.70	--	0.00	99.24	<29	<68	--	--	--	--	--	--	--
MW-115	11/18-20/09	LFP		107.94	5.85	--	0.00	102.09	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.92
MW-115	2/8-10/10	LFP		107.94	7.69	--	0.00	100.25	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.17

Table 2
Historical Groundwater Gauging Data and Analytical Results
COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
MW-115	5/12-13/10	LFP		107.94	8.14	--	0.00	99.80	30	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.20
MW-115	8/12/10	LFP		107.94	8.81	--	0.00	99.13	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.92
MW-115	11/3-4/10	LFP		107.94	7.07	--	0.00	100.87	<30	<70	70	<0.5	<0.5	<0.5	<0.5	<0.5	0.83
MW-115	2/3-4/11	LFP		107.94	7.81	--	0.00	100.13	33	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.11
MW-115	5/24/11	LFP		107.94	7.95	--	0.00	99.99	42	220	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.53
MW-115	8/23-24/11	LFP		107.94	9.05	--	0.00	98.89	68	74	73	<0.5	<0.5	<0.5	<0.5	<0.5	1.2
MW-115	11/7-9/11	LFP		107.94	8.70	--	0.00	99.24	<29	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.60
MW-115	2/6-8/12	LFP		107.94	7.55	--	0.00	100.39	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080
MW-115	5/2-4/12	LFP		107.94	7.55	--	0.00	100.39	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080
MW-115	8/1-3/12	LFP		107.94	8.82	--	0.00	99.12	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.63
MW-115	11/26-28/12	LFP		107.94	7.04	--	0.00	100.90	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.052
MW-115	2/4-6/13	LFP		107.94	7.58	--	0.00	100.36	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073
MW-115	5/6-8/13	LFP		107.94	8.34	--	0.00	99.60	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.41
MW-115	9/9-13/13	LFP		107.94	8.09	--	0.00	99.85	<28/31	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.89
MW-115	11/18-21/13	LFP		107.94	7.45	--	0.00	100.49	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.45
MW-115	2/4-11/14	LFP		107.94	8.05	--	0.00	99.89	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.43
MW-115	6/12-14/14			107.94		INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
MW-115	8/18-21/14	LFP		107.94	8.88	--	0.00	99.06	<29/36	<68/<68	66	<0.5	<0.5	<0.5	<0.5	<0.5	0.82
MW-115	11/19-20/14	LFP		107.94	8.07	--	0.00	99.87	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.28
MW-115	2/17-20/15	LFP		107.94	7.57	--	0.00	100.37	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082
MW-115	5/11-15/15	LFP		107.94	8.33	--	0.00	99.61	<29/<29	<68/<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.60
MW-115	8/10-11/15	LFP		107.94	9.28	--	0.00	98.66	<28/33	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.71
MW-115	11/16-18/15	LFP		107.94	6.53	--	0.00	101.41	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.00
MW-115	5/13-14/16	LFP		107.94	8.48	--	0.00	99.46	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-115	11/14/16	LFP		107.94	7.35	--	0.00	100.59	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-115	5/14/17	LFP		107.94	7.44	--	0.00	100.50	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-115	11/11-12/17	LFP		107.94	7.37	--	0.00	100.57	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-115	5/11/18	LFP		107.94	8.20	--	0.00	99.74	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-115	11/11-12/18	LFP		107.94	8.31	--	0.00	99.63	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-115	4/27/2019	LFP		107.94	7.49	--	0.00	100.45	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-116	8/22/95			107.56	8.82	--	0.00	98.74	<250	<750	<50	--	--	--	--	--	--
MW-116	3/12/96			107.56	8.08	--	0.00	99.48	<250	<750	<50	--	--	--	--	--	<2.0
MW-116	10/9/96			107.56	8.69	--	0.00	98.87	<250	<750	<50	--	--	--	--	--	<2.0
MW-116	2/12/97			107.56	7.86	--	0.00	99.70	<250	<750	<50	--	--	--	--	--	<2.0
MW-116	4/22/97			107.56	7.65	--	0.00	99.91	<250	<750	<50	--	--	--	--	--	<2.0
MW-116	8/5/97			107.56	8.71	--	0.00	98.85	<250	<750	<50	--	--	--	--	--	<2.0
MW-116	11/11/97			107.56	8.07	--	0.00	99.49	<250	<750	<50	--	--	--	--	--	<2.0
MW-116	2/11/98			107.56	8.06	--	0.00	99.50	<250	<750	<50	--	--	--	--	--	<2.0
MW-116	5/28/98			107.56	8.25	--	0.00	99.31	<250	<750	<50	--	--	--	--	--	4.66
MW-116	8/20/98			107.56	9.05	--	0.00	98.51	<250	<750	<50	--	--	--	--	--	<1.0
MW-116	11/19/98			107.56	9.16	--	0.00	98.40	<250	<750	<50	--	--	--	--	--	<1.0
MW-116	3/11/99			107.56	7.64	--	0.00	99.92	<250	<750	<80	--	--	--	--	--	<1.0
MW-116	5/25/99			107.56	8.40	--	0.00	99.16	<250	--	<80	--	--	--	--	--	--
MW-116	8/17/99			107.56	8.78	--	0.00	98.78	<250	<500	<80	--	--	--	--	--	<1.0
MW-116	11/19/99			107.56	7.60	--	0.00	99.96	<250	--	<80	--	--	--	--	--	<1.0
MW-116	3/9/00			107.56	7.70	--	0.00	99.86	<250	<500	<80	--	--	--	--	--	<1.0
MW-116	6/13/00			107.56	8.37	--	0.00	99.19	--	--	<80	--	--	--	--	--	<1.0
MW-116	9/26/00			107.56	8.88	--	0.00	98.68	<250	<500	--	--	--	--	--	--	<1.0

Table 2
Historical Groundwater Gauging Data and Analytical Results
COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
MW-116	12/13/00			107.56	8.52	--	0.00	99.04	<250	<500	--	--	--	--	--	--	<1.0
MW-116	2/28/01			107.56	8.25	--	0.00	99.31	<250	<500	<80	--	--	--	--	--	<1.0
MW-116	5/2/01			107.56	10.84	--	0.00	96.72	<250	<500	<80	--	--	--	--	--	<1.0
MW-116	10/30/02			107.56	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-116	1/23/03			107.56	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-116	4/18/03			107.56	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-116	7/11/03			107.56	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-116	10/31/03			107.56	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-116	12/30/03			107.56	7.54	--	0.00	100.02	<50	<79	<99	<0.5	<0.5	<0.5	<1.5	--	<1.2
MW-116	5/3/04			107.56	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-116	7/20/04			107.56	8.92	--	0.00	98.64	<284	<568	<50	<0.500	<0.500	<0.500	<1.00	--	--
MW-116	10/7/04			107.56	7.54	--	0.00	100.02	<75	<94	<50	--	--	--	--	--	--
MW-116	10/20/05			107.56	8.73	--	0.00	98.83	<81	<100	<48	--	--	--	--	--	--
MW-116	9/6/07			107.56	9.00	--	0.00	98.56	<76	<95	<50	--	--	--	--	--	0.15
MW-116	5/27-28/08			107.56		INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
MW-116	8/27-29/08	LFP		107.56	8.68	--	0.00	98.88	89	<100	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-116	11/17-19/08	LFP		107.56	7.93	--	0.00	99.63	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-116	2/16-18/09	LFP		107.56	8.45	--	0.00	99.11	**590**	350	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.11
MW-116	5/4-6/09	LFP		107.56	8.20	--	0.00	99.36	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-116	8/19-21/09	LFP		107.56	8.91	--	0.00	98.65	34	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-116	11/18-20/09	LFP		107.56	6.85	--	0.00	100.71	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.11
MW-116	2/8-10/10	LFP		107.56	8.07	--	0.00	99.49	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.10
MW-116	8/12/10	LFP		107.56	8.78	--	0.00	98.78	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.15
MW-116	11/3-4/10	LFP		107.56	8.04	--	0.00	99.52	<29	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052
MW-116	2/3-4/11	LFP		107.56	8.16	--	0.00	99.40	<29	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052
MW-116	5/24/11			107.56	UNABLE TO LOCATE				--	--	--	--	--	--	--	--	--
MW-116	8/23-24/11	LFP		107.56	9.00	--	0.00	98.56	<31	<71	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080
MW-116	11/7-9/11	LFP		107.56	8.75	--	0.00	98.81	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080
MW-116	2/6-8/12	LFP		107.56	8.05	--	0.00	99.51	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080
MW-116	5/2-4/12	LFP		107.56	8.10	--	0.00	99.46	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080
MW-116	8/1-3/12	LFP		107.56	8.80	--	0.00	98.76	<30	<71	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.034
MW-116	11/26-28/12	LFP		107.56	7.84	--	0.00	99.72	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.047
MW-116	2/4-6/13	LFP		107.56	8.04	--	0.00	99.52	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073
MW-116	5/6-8/13	LFP		107.56	8.51	--	0.00	99.05	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073
MW-116	9/9-13/13	LFP		107.56	8.61	--	0.00	98.95	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085
MW-116	11/18-21/13	LFP		107.56	8.15	--	0.00	99.41	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.10
MW-116	2/4-11/14	LFP		107.56	8.28	--	0.00	99.28	<29/<29	<68/<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085
MW-116	6/12-14/14			107.56		INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
MW-116	8/18-21/14	LFP		107.56	8.83	--	0.00	98.73	<29/38	<67/<67	68	<0.5	<0.5	<0.5	<0.5	<0.5	0.78
MW-116	11/19-20/14	LFP		107.56	8.38	--	0.00	99.18	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082
MW-116	2/17-20/15	LFP		107.56	8.08	--	0.00	99.48	<30/<30	<69/<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.17
MW-116	5/11-15/15	LFP		107.56	8.71	--	0.00	98.85	<29/<29	<68/<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082
MW-116	8/10-11/15	LFP		107.56	9.17	--	0.00	98.39	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.42
MW-116	11/16-18/15	LFP		107.56	7.37	--	0.00	100.19	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.0062
MW-116	5/13-14/16	LFP		107.56	8.59	--	0.00	98.97	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-116	11/14/16	LFP		107.56	8.06	--	0.00	99.50	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-116	5/14/17	LFP		107.56	8.07	--	0.00	99.49	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-116	11/11-12/17	LFP		107.56	8.14	--	0.00	99.42	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-116	5/11/18	LFP		107.56	8.43	--	0.00	99.13	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								

Table 2
Historical Groundwater Gauging Data and Analytical Results
COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
MW-116	11/11-12/18	LFP		107.56	9.04	--	0.00	98.52	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-116	4/27/2019	LFP		107.56	8.30	--	0.00	99.26	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-117	8/22/95			106.57	7.45	--	0.00	99.12	<250	<750	<50	--	--	--	--	--	--
MW-117	11/28/95			106.57	5.45	--	0.00	101.12	<250	<750	<50	--	--	--	--	--	<2.0
MW-117	3/12/96			106.57	6.32	--	0.00	100.25	<250	<750	<50	--	--	--	--	--	<2.0
MW-117	6/26/96			106.57	7.18	--	0.00	99.39	<250	<750	<50	--	--	--	--	--	<2.0
MW-117	10/9/96			106.57	7.42	--	0.00	99.15	<250	<750	<50	--	--	--	--	--	7.1
MW-117	2/12/97			106.57	5.93	--	0.00	100.64	<250	<750	<50	--	--	--	--	--	<2.0
MW-117	4/22/97			106.57	5.78	--	0.00	100.79	<250	<750	<50	--	--	--	--	--	<2.0
MW-117	8/5/97			106.57	7.58	--	0.00	98.99	<250	<750	<50	--	--	--	--	--	<2.0
MW-117	11/11/97			106.57	6.21	--	0.00	100.36	<250	<750	<50	--	--	--	--	--	<2.0
MW-117	2/11/98			106.57	6.21	--	0.00	100.36	<250	<750	<50	--	--	--	--	--	<2.0
MW-117	5/28/98			106.57	6.44	--	0.00	100.13	<250	<750	<50	--	--	--	--	--	2.68
MW-117	8/20/98			106.57	7.90	--	0.00	98.67	<250	<750	<50	--	--	--	--	--	<1.0
MW-117	11/19/98			106.57	7.18	--	0.00	99.39	<250	<750	<50	--	--	--	--	--	<1.0
MW-117	3/11/99			106.57	5.51	--	0.00	101.06	<250	<500	<80	--	--	--	--	--	<1.0
MW-117	5/25/99			106.57	7.00	--	0.00	99.57	<250	--	<80	--	--	--	--	--	--
MW-117	8/17/99			106.57	7.56	--	0.00	99.01	<250	<500	<80	--	--	--	--	--	<1.0
MW-117	11/19/99			106.57	5.11	--	0.00	101.46	<250	--	<80	--	--	--	--	--	<1.0
MW-117	3/9/00			106.57	5.65	--	0.00	100.92	<250	<500	<80	--	--	--	--	--	<1.0
MW-117	6/13/00			106.57	6.25	--	0.00	100.32	<250	<500	<80	--	--	--	--	--	<1.0
MW-117	9/26/00			106.57	7.70	--	0.00	98.87	<250	<500	--	--	--	--	--	--	<1.0
MW-117	12/13/00			106.57	7.11	--	0.00	99.46	<250	<500	--	--	--	--	--	--	<1.0
MW-117	2/28/01			106.57	6.78	--	0.00	99.79	<250	<500	<80	--	--	--	--	--	<1.0
MW-117	5/2/01			106.57	8.90	--	0.00	97.67	<250	<500	<80	--	--	--	--	--	<1.0
MW-117	10/30/02			106.57	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-117	1/23/03			106.57	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-117	4/18/03			106.57	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-117	7/11/03			106.57	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-117	10/31/03			106.57	UNABLE TO LOCATE - POSSIBLY PAVED OVER						--	--	--	--	--	--	--
MW-117	12/30/03			106.57	5.46	--	0.00	101.11	<50	<80	<100	<0.5	<0.5	<0.5	<1.5	--	<1.2
MW-117	5/3/04			106.57	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-117	7/20/04			106.57	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-117	10/6/04			106.57	7.07	--	0.00	99.50	<79	<98	<50	--	--	--	--	--	--
MW-117	10/21/05			106.57	7.33	--	0.00	99.24	<81	<100	<48	--	--	--	--	--	--
MW-117	9/5/07			106.57	7.92	--	0.00	98.65	<82	<100	<50	--	--	--	--	--	0.22
MW-117	5/27-28/08	LFP		106.57	7.42	--	0.00	99.15	<80	<100	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.056
MW-117	8/27-29/08	LFP		106.57	7.38	--	0.00	99.19	<82	<100	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-117	11/17-19/08	LFP		106.57	5.90	--	0.00	100.67	55	<72	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-117	2/16-18/09	LFP		106.57	7.06	--	0.00	99.51	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.095
MW-117	5/4-6/09	LFP		106.57	6.51	--	0.00	100.06	38	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-117	8/19-21/09	LFP		106.57	7.82	--	0.00	98.75	40	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.073
MW-117	11/18-20/09	LFP		106.57	3.85	--	0.00	102.72	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-117	2/8-10/10	LFP		106.57	6.43	--	0.00	100.14	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-117	5/12-13/10	LFP		106.57	6.96	--	0.00	99.61	36	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-117	8/12/10	LFP		106.57	7.68	--	0.00	98.89	<29	210	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052
MW-117	11/3-4/10	LFP		106.57	5.97	--	0.00	100.60	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052
MW-117	2/3-4/11	LFP		106.57	6.5	--	0.00	100.07	<31	<72	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052

Table 2
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COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
MW-117	5/24/11	LFP		106.57	6.77	--	0.00	99.80	<30	150	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052
MW-117	8/23-24/11	LFP		106.57	7.85	--	0.00	98.72	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.15
MW-117	11/7-9/11	LFP		106.57	7.55	--	0.00	99.02	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080
MW-117	2/6-8/12	LFP		106.57	6.20	--	0.00	100.37	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080
MW-117	5/2-4/12	LFP		106.57	6.00	--	0.00	100.57	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080
MW-117	8/1-3/12	LFP		106.57	7.66	--	0.00	98.91	<32	<75	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.034
MW-117	11/26-28/12	LFP		106.57	5.60	--	0.00	100.97	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.047
MW-117	2/4-6/13	LFP		106.57	6.29	--	0.00	100.28	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073
MW-117	5/6-8/13	LFP		106.57	7.18	--	0.00	99.39	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073
MW-117	9/9-13/13	LFP		106.57	8.11	--	0.00	98.46	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085
MW-117	11/18-21/13	LFP		106.57	5.99	--	0.00	100.58	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085
MW-117	2/4-11/14	LFP		106.57	6.85	--	0.00	99.72	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085
MW-117	6/12-14/14	LFP		106.57	7.11	--	0.00	99.46	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085
MW-117	8/18-21/14	LFP		106.57	7.71	--	0.00	98.86	<29/<29	<68/<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.37
MW-117	11/19-20/14	LFP		106.57	6.91	--	0.00	99.66	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082
MW-117	2/17-20/15	LFP		106.57	6.26	--	0.00	100.31	<29/<29	<69/<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082
MW-117	5/11-15/15	LFP		106.57	6.91	--	0.00	99.66	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082
MW-117	8/10-11/15	LFP		106.57	8.10	--	0.00	98.47	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	1.10
MW-117	11/16-18/15	LFP		106.57	3.89	--	0.00	102.68	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.0021
MW-117	5/13-14/16	LFP		106.57	7.38	--	0.00	99.19	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-117	11/14/16	LFP		106.57	5.60	--	0.00	100.97	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-117	5/14/17	LFP		106.57	6.10	--	0.00	100.47	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-117	11/11-12/17	LFP		106.57	6.16	--	0.00	100.41	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-117	5/11/18	LFP		106.57	7.04	--	0.00	99.53	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-117	11/11-12/18	LFP		106.57	6.58	--	0.00	99.99	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-117	4/27/2019	LFP		106.57	6.82	--	0.00	99.75	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-118	8/22/95			106.72	7.87	--	0.00	98.85	470	<750	<50	--	--	--	--	--	--
MW-118	11/28/95			106.72	5.76	--	0.00	100.96	<250	<750	<50	--	--	--	--	--	<2.0
MW-118	3/12/96			106.72	6.67	--	0.00	100.05	<250	<750	<50	--	--	--	--	--	<2.0
MW-118	6/26/96			106.72	7.51	--	0.00	99.21	<250	<750	<50	--	--	--	--	--	<2.0
MW-118	10/9/96			106.72	7.78	--	0.00	98.94	<250	<750	50.1	--	--	--	--	--	<2.0
MW-118	2/12/97			106.72	6.35	--	0.00	100.37	<250	<750	<50	--	--	--	--	--	<2.0
MW-118	4/22/97			106.72	5.98	--	0.00	100.74	<250	<750	<50	--	--	--	--	--	<2.0
MW-118	8/5/97			106.72	7.85	--	0.00	98.87	<250	<750	<50	--	--	--	--	--	<2.0
MW-118	11/11/97			106.72	6.52	--	0.00	100.20	<250	<750	<50	--	--	--	--	--	<2.0
MW-118	2/11/98			106.72	6.56	--	0.00	100.16	<250	<750	<50	--	--	--	--	--	<2.0
MW-118	5/28/98			106.72	6.85	--	0.00	99.87	<250	<750	<50	--	--	--	--	--	2.84
MW-118	8/20/98			106.72	7.26	--	0.00	99.46	<250	<750	<50	--	--	--	--	--	<1.0
MW-118	11/19/98			106.72	7.70	--	0.00	99.02	<250	<750	<50	--	--	--	--	--	<1.0
MW-118	3/11/99			106.72	5.81	--	0.00	100.91	<250	<750	<80	--	--	--	--	--	<1.0
MW-118	5/25/99			106.72	7.39	--	0.00	99.33	<250	--	<80	--	--	--	--	--	--
MW-118	8/17/99			106.72	7.95	--	0.00	98.77	<250	<500	<80	--	--	--	--	--	<1.0
MW-118	11/19/99			106.72	5.53	--	0.00	101.19	<250	--	<80	--	--	--	--	--	<1.0
MW-118	3/9/00			106.72	5.99	--	0.00	100.73	<250	<500	<80	--	--	--	--	--	<1.0
MW-118	6/13/00			106.72	7.08	--	0.00	99.64	<250	<500	<80	--	--	--	--	--	<1.0
MW-118	9/26/00			106.72	8.07	--	0.00	98.65	<250	<500	--	--	--	--	--	--	<1.0
MW-118	12/13/00			106.72	7.53	--	0.00	99.19	<250	<500	--	--	--	--	--	--	<1.0
MW-118	2/28/01			106.72	7.17	--	0.00	99.55	<250	<500	<80	--	--	--	--	--	<1.0

Table 2
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COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
MW-118	5/2/01			106.72	6.81	--	0.00	99.91	<250	<500	<80	--	--	--	--	--	<1.0
MW-118	10/30/02			106.72	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-118	1/23/03			106.72	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-118	4/18/03			106.72	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-118	7/11/03			106.72	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-118	10/31/03			106.72	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-118	12/30/03			106.72	5.71	--	0.00	101.01	<50	<400	<500	<0.5	<0.5	<0.5	<1.5	--	<1.2
MW-118	5/3/04			106.72	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-118	7/20/04			106.72	8.14	--	0.00	98.58	<250	<500	<50	<0.500	<0.500	<0.500	<1.00	--	--
MW-118	10/7/04			106.72	7.55	--	0.00	99.17	<76	<96	<50	--	--	--	--	--	--
MW-118	10/7/04 (D)			106.72	7.55	--	0.00	99.17	<80	160	<50	--	--	--	--	--	--
MW-118	10/20/05			106.72	7.78	--	0.00	98.94	<83	<100	<48	--	--	--	--	--	--
MW-118	9/5/07			106.72	8.20	--	0.00	98.52	**980**	**710**	<50	--	--	--	--	--	0.13
MW-118	5/27-28/08			106.72	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-118	8/27-29/08	LFP		106.72	7.64	--	0.00	99.08	260	230	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-118	11/17-19/08	LFP		106.72	6.20	--	0.00	100.52	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-118	2/16-18/09	LFP		106.72	7.29	--	0.00	99.43	<29	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.068
MW-118	5/4-6/09	LFP		106.72	6.70	--	0.00	100.02	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-118	8/19-21/09	LFP		106.72	8.04	--	0.00	98.68	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.23
MW-118	11/18-20/09	LFP		106.72	4.45	--	0.00	102.27	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-118	2/8-10/10	LFP		106.72	6.65	--	0.00	100.07	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-118	5/12-13/10	LFP		106.72	7.21	--	0.00	99.51	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-118	8/12/10	LFP		106.72	7.90	--	0.00	98.82	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052
MW-118	11/3-4/10	LFP		106.72	6.39	--	0.00	100.33	<29	160	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052
MW-118	2/3-4/11	LFP		106.72	6.77	--	0.00	99.95	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052
MW-118	5/24/11			106.72	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-118	8/23-24/11	LFP		106.72	8.15	--	0.00	98.57	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080
MW-118	11/7-9/11	LFP		106.72	7.80	--	0.00	98.92	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080
MW-118	2/6-8/12	LFP		106.72	6.50	--	0.00	100.22	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080
MW-118	5/2-4/12	LFP		106.72	5.85	--	0.00	100.87	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080
MW-118	8/1-3/12	LFP		106.72	7.87	--	0.00	98.85	97	230	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.042
MW-118	11/26-28/12	LFP		106.72	5.84	--	0.00	100.88	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.047
MW-118	2/4-6/13	LFP		106.72	6.57	--	0.00	100.15	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073
MW-118	5/6-8/13	LFP		106.72	7.47	--	0.00	99.25	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073
MW-118	9/9-13/13	LFP		106.72	7.28	--	0.00	99.44	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085
MW-118	11/18-21/13	LFP		106.72	6.57	--	0.00	100.15	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.15
MW-118	2/4-11/14	LFP		106.72	7.02	--	0.00	99.70	<29/<29	<68/<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085
MW-118	6/12-14/14			106.72		INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
MW-118	8/18-21/14	LFP		106.72	7.92	--	0.00	98.80	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.41
MW-118	11/19-20/14	LFP		106.72	7.15	--	0.00	99.57	<29/<29	<68/<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082
MW-118	2/17-20/15	LFP		106.72	6.54	--	0.00	100.18	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.083
MW-118	5/11-15/15	LFP		106.72	8.93	--	0.00	97.79	75/69	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.170
MW-118	8/10-11/15	LFP		106.72	8.27	--	0.00	98.45	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.13
MW-118	11/16-18/15	LFP		106.72	4.69	--	0.00	102.03	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.00067
MW-118	5/13-14/16	LFP		106.72	7.61	--	0.00	99.11	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-118	11/14/16	LFP		106.72	6.36	--	0.00	100.36	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-118	5/14/17	LFP		106.72	6.50	--	0.00	100.22	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-118	11/11-12/17	LFP		106.72	6.52	--	0.00	100.20	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-118	5/11/18	LFP		106.72	7.31	--	0.00	99.41	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								

Table 2
Historical Groundwater Gauging Data and Analytical Results
COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
MW-118	11/11-12/18	LFP		106.72	7.34	--	0.00	99.38	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-118	4/27/2019	LFP		106.72	7.05	--	0.00	99.67	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-119	8/22/95			108.35	9.22	--	0.00	99.13	<250	<750	<50	--	--	--	--	--	--
MW-119	11/28/95			108.35	7.54	--	0.00	100.81	<250	<750	100	--	--	--	--	--	<2.0
MW-119	3/12/96			108.35	8.21	--	0.00	100.14	<250	<750	240	--	--	--	--	--	2.2
MW-119	6/26/96			108.35	8.91	--	0.00	99.44	<250	<750	174	--	--	--	--	--	<2.0
MW-119	10/9/96			108.35	9.14	--	0.00	99.21	<250	<750	78	--	--	--	--	--	2.16
MW-119	2/12/97			108.35	7.84	--	0.00	100.51	<250	<750	<50	--	--	--	--	--	<2.0
MW-119	4/22/97			108.35	7.67	--	0.00	100.68	<250	<750	<50	--	--	--	--	--	<2.0
MW-119	8/5/97			108.35	9.15	--	0.00	99.20	<250	<750	53.6	--	--	--	--	--	<2.0
MW-119	11/11/97			108.35	8.02	--	0.00	100.33	264	<750	<50	--	--	--	--	--	<2.0
MW-119	2/11/98			108.35	8.02	--	0.00	100.33	<250	<750	<50	--	--	--	--	--	<2.0
MW-119	5/28/98			108.35	8.20	--	0.00	100.15	<250	<750	102	--	--	--	--	--	3.33
MW-119	8/20/98			108.35	10.40	--	0.00	97.95	<250	<750	<50	--	--	--	--	--	<1.0
MW-119	11/19/98			108.35	8.98	--	0.00	99.37	<250	<750	78.5	--	--	--	--	--	1.82
MW-119	3/11/99			108.35	7.61	--	0.00	100.74	<250	<750	<80	--	--	--	--	--	<1.0
MW-119	5/25/99			108.35	8.77	--	0.00	99.58	<250	--	<80	--	--	--	--	--	--
MW-119	8/17/99			108.35	9.29	--	0.00	99.06	<250	<500	<80	--	--	--	--	--	<1.0
MW-119	11/19/99			108.35	7.25	--	0.00	101.10	<250	--	<80	--	--	--	--	--	<1.0
MW-119	3/9/00			108.35	7.63	--	0.00	100.72	<250	<500	<80	--	--	--	--	--	<1.0
MW-119	6/13/00			108.35	8.28	--	0.00	100.07	<250	<500	413	--	--	--	--	--	2.64
MW-119	9/26/00			108.35	9.44	--	0.00	98.91	<250	<500	--	--	--	--	--	--	<1.0
MW-119	12/13/00			108.35	8.86	--	0.00	99.49	<250	<500	--	--	--	--	--	--	1.79
MW-119	2/28/01			108.35	8.56	--	0.00	99.79	<250	<500	227	--	--	--	--	--	2.64
MW-119	5/2/01			108.35	8.10	--	0.00	100.25	<250	<500	104	--	--	--	--	--	1.56
MW-119	10/30/02			108.35	9.76	--	0.00	98.59	<250	<500	<80	<0.500	<0.500	<0.500	<1.00	--	4.2
MW-119	1/23/03			108.35	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-119	4/18/03			108.35	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-119	7/11/03			108.35	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-119	10/31/03			108.35	8.62	--	0.00	99.73	<250	<500	<50	<0.500	<0.500	<0.500	<1.00	--	1.315
MW-119	12/30/03			108.35	7.40	--	0.00	100.95	<50	<77	<96	<0.5	<0.5	<0.5	<1.5	--	<1.2
MW-119	5/3/04			108.35	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-119	7/20/04			108.35	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-119	10/7/04			108.35	8.85	--	0.00	99.50	<79	<98	<50	--	--	--	--	--	--
MW-119	10/20/05			108.35	9.08	--	0.00	99.27	<80	<100	<48	--	--	--	--	--	--
MW-119	9/5/07			108.35	9.53	--	0.00	98.82	<800	<1,000	<50	--	--	--	--	--	0.57
MW-119	5/27-28/08			108.35		INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
MW-119	8/27-29/08	LFP		108.35	9.05	--	0.00	99.30	<79	<99	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.52
MW-119	11/17-19/08	LFP		108.35	7.65	--	0.00	100.70	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.29
MW-119	2/16-18/09	LFP		108.35	8.70	--	0.00	99.65	45	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.44
MW-119	5/4-6/09	LFP		108.35	8.06	--	0.00	100.29	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.74
MW-119	8/19-21/09	LFP		108.35	9.45	--	0.00	98.90	36	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.25
MW-119	11/18-20/09	LFP		108.35	6.41	--	0.00	101.94	32	<68	150	<0.5	<0.5	<0.5	<0.5	<0.5	1
MW-119	2/8-10/10	LFP		108.35	8.11	--	0.00	100.24	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.33
MW-119	5/12-13/10	LFP		108.35	8.56	--	0.00	99.79	<29	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.69
MW-119	8/12/10	LFP		108.35	9.22	--	0.00	99.13	<30	70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.36
MW-119	11/3-4/10	LFP		108.35	7.52	--	0.00	100.83	38	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	1.3
MW-119	2/3-4/11	LFP		108.35	8.22	--	0.00	100.13	30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.30

Table 2
Historical Groundwater Gauging Data and Analytical Results
COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
MW-119	5/24/11	LFP		108.35	8.37	--	0.00	99.98	<30	210	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.49
MW-119	8/23-24/11			108.35	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-119	11/7-9/11	LFP		108.35	9.10	--	0.00	99.25	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.34
MW-119	2/6-8/12	LFP		108.35	7.90	--	0.00	100.45	<29	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080
MW-119	5/2-4/12	LFP		108.35	8.00	--	0.00	100.35	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.26
MW-119	8/1-3/12	LFP		108.35	9.23	--	0.00	99.12	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.27
MW-119	11/26-28/12	LFP		108.35	7.43	--	0.00	100.92	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.10
MW-119	2/4-6/13	LFP		108.35	7.99	--	0.00	100.36	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.099
MW-119	5/6-8/13	LFP		108.35	8.76	--	0.00	99.59	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.15
MW-119	9/9-13/13	LFP		108.35	8.51	--	0.00	99.84	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.26
MW-119	11/18-21/13	LFP		108.35	7.67	--	0.00	100.68	<29/<29	<68/<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.80
MW-119	2/4-11/14	LFP		108.35	8.47	--	0.00	99.88	<29/<29	<68/<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.16
MW-119	6/12-14/14			108.35		INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
MW-119	8/18-21/14	LFP		108.35	9.23	--	0.00	99.12	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.17
MW-119	11/19-20/14	LFP		108.35	8.50	--	0.00	99.85	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.14
MW-119	2/17-20/15	LFP		108.35	7.97	--	0.00	100.38	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.18
MW-119	5/11-15/15	LFP		108.35	8.96	--	0.00	99.39	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.24
MW-119	8/10-11/15	LFP		108.35	9.70	--	0.00	98.65	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.13
MW-119	11/16-18/15	LFP		108.35	6.43	--	0.00	101.92	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.0041
MW-119	5/13-14/16	LFP		108.35	8.39	--	0.00	99.96	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-119	11/14/16	LFP		108.35	7.70	--	0.00	100.65	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-119	5/14/17	LFP		108.35	7.85	--	0.00	100.50	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-119	11/11-12/17	LFP		108.35	7.92	--	0.00	100.43	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-119	5/11/18	LFP		108.35	8.60	--	0.00	99.75	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-119	11/11-12/18	LFP		108.35	8.62	--	0.00	99.73	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-119	11/7-9/11	LFP		107.11	8.00	--	0.00	99.11	220	160	740	<0.5	<0.5	<0.5	<0.5	<0.5	1.8
MW-119	2/6-8/12	LFP		107.11	6.80	--	0.00	100.31	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080
MW-119	5/2-4/12	LFP		107.11	6.20	--	0.00	100.91	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080
MW-119	8/1-3/12	LFP		107.11	8.11	--	0.00	99.00	59	75	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.29
MW-119	11/26-28/12	LFP		107.11	6.21	--	0.00	100.90	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.047
MW-119	2/4-6/13	LFP		107.11	6.84	--	0.00	100.27	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073
MW-119	5/6-8/13	LFP		107.11	7.64	--	0.00	99.47	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073
MW-119	9/9-13/13	LFP		107.11	7.36	--	0.00	99.75	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.15
MW-119	11/18-21/13	LFP		107.11	6.61	--	0.00	100.50	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.088
MW-119	2/4-11/14	LFP		107.11	7.32	--	0.00	99.79	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085
MW-119	6/12-14/14	LFP		107.11	7.70	--	0.00	99.41	<29/<29	<68/<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082
MW-119	8/18-21/14	LFP		107.11	8.13	--	0.00	98.98	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.32
MW-119	11/19-20/14	LFP		107.11	7.37	--	0.00	99.74	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082
MW-119	4/27/2019	LFP		108.35	8.39	--	0.00	99.96	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-120	2/17-20/15	LFP		107.11	6.83	--	0.00	100.28	<29/<29	<68/<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.22
MW-120	5/11-15/15	LFP		107.11	7.71	--	0.00	99.40	<29/<29	<68/<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.10
MW-120	8/10-11/15	LFP		107.11	8.53	--	0.00	98.58	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.13
MW-120	11/16-18/15	LFP		107.11	4.94	--	0.00	102.17	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.0019
MW-120	5/13-14/16	LFP		107.11	7.81	--	0.00	99.30	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-120	11/14/16	LFP		107.11	6.47	--	0.00	100.64	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-120	5/14/17	LFP		107.11	6.67	--	0.00	100.44	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-120	11/11-12/17	LFP		107.11	6.69	--	0.00	100.42	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-120	5/11/18	LFP		107.11	7.49	--	0.00	99.62	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								

Table 2
Historical Groundwater Gauging Data and Analytical Results
COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
MW-120	11/11-12/18	LFP		107.11	7.46	--	0.00	99.65	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-120	4/27/2019			107.11		Unable to locate		--	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
B-1	2/14/91			107.74	--	--	0.00	--	<250	--	**5,100**	--	--	--	--	--	--
B-1	2/14/92			107.74	6.90	--	0.00	100.84	--	--	--	--	--	--	--	--	--
B-1	2/18/92			107.74	6.72	--	0.00	101.02	--	--	--	--	--	--	--	--	--
B-1	3/13/92			107.74	6.93	--	0.00	100.81	--	--	<50	--	--	--	--	--	--
B-1	4/21/92			107.74	6.66	--	0.00	101.08	--	--	--	--	--	--	--	--	--
B-1	8/22/95			107.74	8.03	--	0.00	99.71	<250	<750	<50	--	--	--	--	--	--
B-1	11/28/95			107.74	6.13	--	0.00	101.61	<250	<750	<50	--	--	--	--	--	<2
B-1	3/11/96			107.74	6.99	--	0.00	100.75	<250	<750	<50	--	--	--	--	--	7.5
B-1	6/26/96			107.74	7.73	--	0.00	100.01	<250	<750	<50	--	--	--	--	--	<2
B-1	10/9/96			107.74	8.05	--	0.00	99.69	<250	<750	<50	--	--	--	--	--	<2
B-1	2/12/97			107.74	6.46	--	0.00	101.28	<250	<750	<50	--	--	--	--	--	<2
B-1	4/22/97			107.74	6.25	--	0.00	101.49	<250	<750	<50	--	--	--	--	--	<2
B-1	8/5/97			107.74	8.20	--	0.00	99.54	<250	<750	<50	--	--	--	--	--	<2
B-1	11/11/97			107.74	6.84	--	0.00	100.90	300	<750	<50	--	--	--	--	--	<2
B-1	2/11/98			107.74	6.70	--	0.00	101.04	<250	<750	<50	--	--	--	--	--	<2
B-1	5/28/98			107.74	6.85	--	0.00	100.89	<250	<750	<50	--	--	--	--	--	<1
B-1	8/20/98			107.74	9.42	--	0.00	98.32	<250	<750	<50	--	--	--	--	--	<1
B-1	11/19/98			107.74	7.43	--	0.00	100.31	<250	<750	<50	--	--	--	--	--	<1
B-1	3/11/99			107.74	6.34	--	0.00	101.40	<250	<750	<80	--	--	--	--	--	<1
B-1	5/25/99			107.74	7.60	--	0.00	100.14	<1,450	--	<80	--	--	--	--	--	--
B-1	8/17/99			107.74	8.28	--	0.00	99.46	<250	<500	<80	--	--	--	--	--	<1
B-1	11/19/99			107.74	5.90	--	0.00	101.84	<250	--	<80	--	--	--	--	--	<1
B-1	3/9/00			107.74	6.38	--	0.00	101.36	<250	<500	<80	--	--	--	--	--	<1
B-1	6/12/00			107.74	6.26	--	0.00	101.48	<250	<500	<80	--	--	--	--	--	<1
B-1	9/26/00			107.74	8.51	--	0.00	99.23	<250	<500	--	--	--	--	--	--	<1
B-1	12/13/00			107.74	7.69	--	0.00	100.05	<250	<500	--	--	--	--	--	--	<1
B-1	2/28/01			107.74	7.37	--	0.00	100.37	<250	<500	<80	--	--	--	--	--	<1
B-1	5/2/01			107.74	6.69	--	0.00	101.05	<250	<500	109	--	--	--	--	--	<1
B-1	10/30/02			107.74	UNABLE TO LOCATE - PAVED OVER					--	--	--	--	--	--	--	--
B-1	1/23/03			107.74	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
B-1	4/18/03			107.74	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
B-1	7/11/03			107.74	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
B-1	10/31/03			107.74	UNABLE TO LOCATE - PAVED OVER					--	--	--	--	--	--	--	--
B-1	12/30/03			107.74	6.11	--	0.00	101.63	<50	<78	<98	<0.5	<0.5	<0.5	<1.5	--	<1.2
B-1	5/3/04			107.74	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
B-1	7/20/04			107.74	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
B-1	10/6/04			107.74	8.87	--	0.00	98.87	81	100	<50	--	--	--	--	--	--
B-1	10/24/05			107.74	7.96	--	0.00	99.78	<81	<100	<48	--	--	--	--	--	--
B-1	9/5/07			107.74	8.60	--	0.00	99.14	<80	<100	<50	--	--	--	--	--	0.13
B-1	5/27-28/08	LFP		107.74	7.85	--	0.00	99.89	<75	<94	<50	<0.5	0.6	<0.5	<0.5	<0.5	<0.050
B-1	8/27-29/08	LFP		107.74	8.00	--	0.00	99.74	<82	<100	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
B-1	11/17-19/08	LFP		107.74	6.39	--	0.00	101.35	83	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
B-1	2/16-18/09	LFP		107.74	7.55	--	0.00	100.19	300	**2,000**	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.098
B-1	5/4-6/09	LFP		107.74	6.47	--	0.00	101.27	39	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
B-1	8/19-21/09	LFP		107.74	8.54	--	0.00	99.20	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
B-1	11/18-20/09	LFP		107.74	5.35	--	0.00	102.39	60	<69	66	<0.5	<0.5	<0.5	<0.5	<0.5	0.22

Table 2
Historical Groundwater Gauging Data and Analytical Results
COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
B-1	2/8-10/10	LFP		107.74	6.89	--	0.00	100.85	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
B-1	5/12-13/10	LFP		107.74	7.34	--	0.00	100.40	70	82	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
B-1	8/11/10	LFP		107.74	8.16	--	0.00	99.58	<30	83	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052
B-1	11/3-4/10	LFP		107.74	6.02	--	0.00	101.72	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052
B-1	2/3-4/11	LFP		107.74	7.03	--	0.00	100.71	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052
B-1	5/24/11	LFP		107.74	7.10	--	0.00	100.64	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052
B-1	8/23-24/11	LFP		107.74	8.46	--	0.00	99.28	<30	<71	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080
B-1	11/7-9/11	LFP		107.74	8.10	--	0.00	99.64	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080
B-1	2/6-8/12	LFP		107.74	6.75	--	0.00	100.99	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.11
B-1	5/2-4/12	LFP		107.74	6.45	--	0.00	101.29	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080
B-1	8/1-3/12	LFP		107.74	8.23	--	0.00	99.51	<30	<71	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.034
B-1	11/26-28/12	LFP		107.74	6.29	--	0.00	101.45	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.047
B-1	2/4-6/13	LFP		107.74	6.81	--	0.00	100.93	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073
B-1	5/6-8/13	LFP		107.74	8.66	--	0.00	99.08	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073
B-1	9/9-13/13	LFP		107.74	7.18	--	0.00	100.56	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085
B-1	11/18-22/13	LFP		107.74	6.64	--	0.00	101.10	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085
B-1	2/4-11/14	LFP		107.74	7.25	--	0.00	100.49	<29/<29	<68/<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085
B-1	6/12-14/14	LFP		107.74	7.87	--	0.00	99.87	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085
B-1	8/18-21/14	LFP		107.74	8.40	--	0.00	99.34	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082
B-1	11/19-20/14	LFP		107.74	7.43	--	0.00	100.31	<29/<29	<68/<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082
B-1	2/17-20/15	LFP		107.74	6.79	--	0.00	100.95	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082
B-1	5/11-15/15	LFP		107.74	8.77	--	0.00	98.97	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082
B-1	8/10-11/15	LFP		107.74	8.80	--	0.00	98.94	<28/89	<66/74	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.13
B-1	11/16-18/15	LFP		107.74	4.69	--	0.00	103.05	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.00063
B-1	5/13-14/16	LFP		107.74	7.80	--	0.00	99.94	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--	<0.13
B-1	11/14/16	LFP		107.74	6.15	--	0.00	101.59	51	<67	<50	<0.5	<0.5	<0.5	<0.5	--	<0.090
B-1	5/14/17	LFP		107.74	6.51	--	0.00	101.23	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--	<0.090
B-1	11/11-12/17	LFP		107.74	7.42	--	0.00	100.32	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--	<0.11
B-1	5/11/18	LFP		107.74	7.31	--	0.00	100.43	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.11
B-1	11/11-12/18	LFP		107.74	7.48	--	0.00	100.26	30	<67	<19	<0.2	<0.2	<0.4	<1	--	<1.1
B-1	4/27/2019	LFP		107.74	7.23	--	0.00	100.51	32 J	<66	<19	<0.2	<0.2	<0.4	<1	--	<1.1
B-2	2/14/91			108.99	--	--	0.00	--	<250	--	180	--	--	--	--	--	--
B-2	2/14/92			108.99	8.08	--	0.00	100.91	--	--	--	--	--	--	--	--	--
B-2	2/18/92			108.99	7.97	--	0.00	101.02	--	--	--	--	--	--	--	--	--
B-2	3/9/92			108.99	7.88	--	0.00	101.11	--	--	--	--	--	--	--	--	--
B-2	3/13/92			108.99	8.12	--	0.00	100.87	--	--	--	--	--	--	--	--	--
B-2	4/21/92			108.99	7.82	--	0.00	101.17	--	--	--	--	--	--	--	--	--
B-2	8/22/95			108.99	9.30	--	0.00	99.69	<250	<750	<50	--	--	--	--	--	--
B-2	11/27/95			108.99	7.33	--	0.00	101.66	<250	<750	<50	--	--	--	--	--	<2
B-2	3/12/96			108.99	8.20	--	0.00	100.79	<250	<750	<50	--	--	--	--	--	<2
B-2	6/27/96			108.99	8.95	--	0.00	100.04	<250	<750	<50	--	--	--	--	--	<2
B-2	10/10/96			108.99	9.28	--	0.00	99.71	<250	<750	<50	--	--	--	--	--	<2
B-2	2/12/97			108.99	7.73	--	0.00	101.26	<250	<750	<50	--	--	--	--	--	<2
B-2	4/22/97			108.99	7.41	--	0.00	101.58	<250	<750	<50	--	--	--	--	--	2
B-2	8/5/97			108.99	9.40	--	0.00	99.59	<250	<750	<50	--	--	--	--	--	<2
B-2	11/11/97			108.99	8.00	--	0.00	100.99	<250	<750	<50	--	--	--	--	--	<2
B-2	2/11/98			108.99	7.90	--	0.00	101.09	<250	<750	<50	--	--	--	--	--	<2
B-2	5/28/98			108.99	8.03	--	0.00	100.96	<250	<750	<50	--	--	--	--	--	<1

Table 2
Historical Groundwater Gauging Data and Analytical Results
COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
B-2	8/20/98			108.99	10.64	--	0.00	98.35	<250	<750	<50	--	--	--	--	--	<1
B-2	11/19/98			108.99	8.67	--	0.00	100.32	<250	<750	<50	--	--	--	--	--	<1
B-2	3/11/99			108.99	7.56	--	0.00	101.43	<250	<500	<80	--	--	--	--	--	<1
B-2	5/25/99			108.99	8.82	--	0.00	100.17	<250	<1,600	<80	--	--	--	--	--	--
B-2	8/17/99			108.99	9.51	--	0.00	99.48	<250	<500	<80	--	--	--	--	--	<1
B-2	11/19/99			108.99	7.08	--	0.00	101.91	<250	<500	<80	--	--	--	--	--	<1
B-2	3/9/00			108.99	7.59	--	0.00	101.40	<250	<500	<80	--	--	--	--	--	<1
B-2	6/12/00			108.99	8.00	--	0.00	100.99	<250	<500	<80	--	--	--	--	--	<1
B-2	9/26/00			108.99	9.74	--	0.00	99.25	<250	<500	--	--	--	--	--	--	<1
B-2	12/13/00			108.99	8.91	--	0.00	100.08	<250	<500	--	--	--	--	--	--	<1
B-2	2/28/01			108.99	8.59	--	0.00	100.40	<250	<500	<80	--	--	--	--	--	<1
B-2	5/2/01			108.99	7.89	--	0.00	101.10	<250	<500	<80	--	--	--	--	--	<1
B-2	10/30/02			108.99	UNABLE TO LOCATE - PAVED OVER					--	--	--	--	--	--	--	--
B-2	1/23/03			108.99	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
B-2	4/18/03			108.99	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
B-2	7/11/03			108.99	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
B-2	10/31/03			108.99	UNABLE TO LOCATE - PAVED OVER					--	--	--	--	--	--	--	--
B-2	12/30/03			108.99	7.36	--	0.00	101.63	<50	--	--	<0.5	<0.5	<0.5	<1.5	--	<1.2
B-2	5/3/04			108.99	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
B-2	7/20/04			108.99	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
B-2	10/6/04			108.99	7.65	--	0.00	101.34	<79	<99	<50	--	--	--	--	--	--
B-2	7/18/05			108.99	9.20	--	0.00	99.79	<77	<96	<48	--	--	--	--	--	--
B-2	10/21/05			108.99	9.17	--	0.00	99.82	<82	<100	<48	--	--	--	--	--	--
B-2	9/5/07			108.99	9.83	--	0.00	99.16	<81	<100	<50	--	--	--	--	--	0.1
B-2	5/27-28/08			108.99	UNABLE TO LOCATE				--	--	--	--	--	--	--	--	--
B-2	8/27-29/08	LFP		108.99	9.28	--	0.00	99.71	<80	<100	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
B-2	11/17-19/08	LFP		108.99	7.57	--	0.00	101.42	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
B-2	2/16-18/09	LFP		108.99	8.77	--	0.00	100.22	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.070
B-2	5/4-6/09	LFP		108.99	7.69	--	0.00	101.30	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
B-2	8/19-21/09	LFP		108.99	9.75	--	0.00	99.24	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
B-2	11/18-20/09	LFP		108.99	6.46	--	0.00	102.53	94	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.15
B-2	2/8-10/10	LFP		108.99	8.10	--	0.00	100.89	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
B-2	5/12-13/10	LFP		108.99	8.55	--	0.00	100.44	<29	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
B-2	8/11/10	LFP		108.99	9.38	--	0.00	99.61	<29	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052
B-2	11/3-4/10	LFP		108.99	7.20	--	0.00	101.79	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052
B-2	2/3-4/11	LFP		108.99	8.25	--	0.00	100.74	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052
B-2	5/24/11	LFP		108.99	8.33	--	0.00	100.66	<30	140	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052
B-2	8/23-24/11	LFP		108.99	9.70	--	0.00	99.29	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.26
B-2	11/7-9/11	LFP		108.99	9.30	--	0.00	99.69	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080
B-2	2/6-8/12	LFP		108.99	7.95	--	0.00	101.04	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.10
B-2	5/2-4/12	LFP		108.99	7.40	--	0.00	101.59	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.080
B-2	8/1-3/12	LFP		108.99	8.20	--	0.00	100.79	<31	<72	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.034
B-2	11/26-28/12	LFP		108.99	7.47	--	0.00	101.52	<37	<86	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.047
B-2	2/4-6/13	LFP		108.99	8.04	--	0.00	100.95	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073
B-2	5/6-8/13	LFP		108.99	8.89	--	0.00	100.10	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073
B-2	9/9-13/13	LFP		108.99	8.41	--	0.00	100.58	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085
B-2	11/18-22/13	LFP		108.99	7.77	--	0.00	101.22	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085
B-2	2/4-11/14	LFP		108.99	8.47	--	0.00	100.52	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085
B-2	6/12-14/14	LFP		108.99	8.91	--	0.00	100.08	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.085

Table 2
Historical Groundwater Gauging Data and Analytical Results
COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
B-2	8/18-21/14	LFP		108.99	9.53	--	0.00	99.46	<29/<29	<68/<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082
B-2	11/19-20/14	LFP		108.99	8.54	--	0.00	100.45	<29/<29	<68/<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082
B-2	2/17-20/15	LFP		108.99	7.93	--	0.00	101.06	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082
B-2	5/11-15/15	LFP		108.99	8.91	--	0.00	100.08	<28/<28	<66/<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.082
B-2	8/10-11/15	LFP		108.99	10.01	--	0.00	98.98	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	1.20
B-2	11/16-18/15	LFP		108.99	5.75	--	0.00	103.24	<29/<29	<67/<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.00060
B-2	5/13-14/16	LFP		108.99	9.02	--	0.00	99.97	37	<67	<50	<0.5	<0.5	<0.5	<0.5	--	<0.13
B-2	11/14/16	LFP		108.99	7.47	--	0.00	101.52	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--	<0.090
B-2	5/14/17	LFP		108.99	7.72	--	0.00	101.27	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--	<0.090
B-2	11/11-12/17	LFP		108.99	6.41	--	0.00	102.58	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--	<0.11
B-2	5/11/18	LFP		108.99	8.47	--	0.00	100.52	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.11
B-2	11/11-12/18	LFP		108.99	8.63	--	0.00	100.36	<29	<67	<19	<0.2	<0.2	<0.4	<1	--	<1.1
B-2	4/27/2019	LFP		108.99	8.43	--	0.00	100.56	31 J	<66	<19	<0.2	<0.2	<0.4	<1	--	<1.1
B-3	2/14/91			108.46	--	--	0.00	--	<250	--	**98,000**	--	--	--	--	--	--
B-3	2/14/92			108.46	7.82	--	0.00	100.64	--	--	--	--	--	--	--	--	--
B-3	2/18/92			108.46	7.82	--	0.00	100.64	--	--	--	--	--	--	--	--	--
B-3	3/9/92			108.46	7.55	--	0.00	100.91	--	--	--	--	--	--	--	--	--
B-3	3/13/92			108.46	7.82	--	0.00	100.64	**31,000**	--	**28,000**	--	--	--	--	--	--
B-3	4/21/92			108.46	7.50	--	0.00	100.96	--	--	--	--	--	--	--	--	--
B-3	3/3/94			108.46	--	--	0.00	--	**3,940**	<750	**43,000**	--	--	--	--	--	--
B-3	8/23/95			108.46	8.93	--	0.00	99.53	**2,600**	<750	**46,000**	--	--	--	--	--	--
B-3	11/28/95			108.46	7.12	--	0.00	101.34	**1,500**	<750	**63,000**	--	--	--	--	--	--
B-3	3/12/96			108.46	7.85	--	0.00	100.61	**900**	<750	**42,000**	--	--	--	--	--	--
B-3	6/27/96			108.46	8.67	--	0.00	99.79	**1,510**	**1,080**	**37,900**	--	--	--	--	--	--
B-3	10/10/96			108.46	8.97	--	0.00	99.49	**729**	<750	**16,200**	--	--	--	--	--	--
B-3	2/12/97			108.46	7.55	--	0.00	100.91	**4,060**	**986**	**35,200**	--	--	--	--	--	--
B-3	4/22/97			108.46	7.30	--	0.00	101.16	**3,980**	**767**	**31,900**	--	--	--	--	--	--
B-3	8/2/97			108.46	9.05	--	0.00	99.41	**3,370**	**1,270**	**20,400**	--	--	--	--	--	--
B-3	11/11/97			108.46	6.76	--	0.00	101.70	**3,230**	**777**	**28,400**	--	--	--	--	--	--
B-3	2/11/98			108.46	7.54	--	0.00	100.92	**3,240**	**1,460**	**28,400**	--	--	--	--	--	--
B-3	5/28/98			108.46	7.76	--	0.00	100.70	**3,360**	<750	**34,600**	--	--	--	--	**29.5**	--
B-3	8/20/98			108.46	10.30	--	0.00	98.16	**2,150**	<750	**32,900**	--	--	--	--	<1.89	--
B-3	11/19/98			108.46	8.39	--	0.00	100.07	**6,650**	<3,750	**23,800**	--	--	--	--	--	--
B-3	3/11/99			108.46	7.15	--	0.00	101.31	**2,920**	<5,000	**17,000**	--	--	--	--	--	--
B-3	5/25/99			108.46	8.50	--	0.00	99.96	**1,850**	--	**30,500**	--	--	--	--	--	--
B-3	8/17/99			108.46	9.15	--	0.00	99.31	**2,570**	**711**	**29,600**	--	--	--	--	--	--
B-3	11/19/99			108.46	6.76	--	0.00	101.70	**7,880**	--	**30,700**	--	--	--	--	--	--
B-3	3/9/00			108.46	7.24	--	0.00	101.22	<250	<500	**10,400**	--	--	--	--	--	--
B-3	6/13/00			108.46	8.15	--	0.00	100.31	<250	<500	**23,000**	--	--	--	--	--	--
B-3	9/26/00			108.46	9.35	--	0.00	99.11	<250	<500	--	--	--	--	--	--	--
B-3	12/13/00			108.46	8.58	--	0.00	99.88	<250	<500	**21,600**	--	--	--	--	--	--
B-3	2/28/01			108.46	8.28	--	0.00	100.18	<250	<500	**25,700**	--	--	--	--	--	--
B-3	5/2/01			108.46	7.79	--	0.00	100.67	<250	<500	**17,200**	--	--	--	--	--	--
B-3	10/30/02			108.46	UNABLE TO LOCATE - PAVED OVER					--	--	--	--	--	--	--	--
B-3	1/23/03			108.46	UNABLE TO LOCATE - PAVED OVER					--	--	--	--	--	--	--	--
B-3	4/18/03			108.46	UNABLE TO LOCATE - PAVED OVER					--	--	--	--	--	--	--	--
B-3	7/11/03			108.46	UNABLE TO LOCATE - PAVED OVER					--	--	--	--	--	--	--	--
B-3	10/31/03			108.46	UNABLE TO LOCATE - PAVED OVER					--	--	--	--	--	--	--	--

Table 2
Historical Groundwater Gauging Data and Analytical Results
COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
B-3	12/30/03			108.46	7.04	--	0.00	101.42	**14,000**	**3,800**	<980	<5.0	1.9	130	61	--	**17.3**
B-3	5/3/04			108.46	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
B-3	7/20/04			108.46	9.31	--	0.00	99.15	**1,220**	<500	**13,200**	**12.5**	<10.0	874	204	--	**24.6**[5]
B-3	10/6/04			108.46	8.68	--	0.00	99.78	**1,200**	<500	**13,000**	--	--	--	--	--	--
B-3	1/27/05			108.46	7.70	--	0.00	100.76	**1,100**	<190	**6,200**	--	--	--	--	--	--
B-3	4/12/05			108.46	7.21	--	0.00	101.25	**1,200**	<100	**5,300**	--	--	--	--	--	--
B-3	7/18/05			108.46	8.83	--	0.00	99.63	**1,200**	<97	**6,400**	--	--	--	--	--	--
B-3	10/21/05			108.46	8.85	--	0.00	99.61	**2,400**	<510	**8,900**	--	--	--	--	--	--
B-3	9/4/07			108.46	9.41	--	0.00	99.05	**1,500**	<200	**10,000**	--	--	--	--	--	--
B-3	5/27-28/08	LFP		108.46	8.73	--	0.00	99.73	**2,400**	<540	**3,700**	2	2	98	3	<0.5	**20.2**
B-3	8/27-29/08	LFP		108.46	8.85	--	0.00	99.61	**2,400**	<98	**10,000**	**5**	2	230	17	<0.5	**21.5**
B-3	11/17-19/08	LFP		108.46	7.13	--	0.00	101.33	**1,700**	<690	**7,100**	<0.5	<0.5	57	2	<0.5	**20**
B-3	2/16-18/09	LFP		108.46	8.40	--	0.00	100.06	**1,900**	<340	**8,800**	**180**	130	130	21	<0.5	**19.5**
B-3	5/4-6/09	LFP		108.46	7.65	--	0.00	100.81	**2,400**	<340	**5,800**	**68**	15	120	7	<0.5	13.1
B-3	8/19-21/09	LFP		108.46	9.33	--	0.00	99.13	**2,900**	<360	**5,900**	**39**	10	170	16	<0.5	**19**
B-3	11/18-20/09	LFP		108.46	6.35	--	0.00	102.11	**2,200**	<340	**2,500**	1	<0.5	12	1	<0.5	**16.5**
B-3	2/8-10/10	LFP		108.46	7.73	--	0.00	100.73	**1,700**	140	**6,200**	2	<0.5	25	1	<0.5	9.9
B-3	5/12-13/10	LFP		108.46	8.18	--	0.00	100.28	**1,200**	<68	**8,200**	2	<0.5	47	2	<0.5	10.3
B-3	8/11/10	LFP		108.46	9.00	--	0.00	99.46	**2,700**	<340	**5,900**	**7**	1.0	270	20	<0.5	**19.3**
B-3	11/3-4/10	LFP		108.46	6.96	--	0.00	101.50	**2,500**	<350	**3,100**	0.60	<0.5	24	1	<0.5	13.3
B-3	2/3-4/11	LFP		108.46	6.70	--	0.00	101.76	**1,400**	<340	**4,900**	0.80	<0.5	53	2	<0.5	10.2
B-3	5/24/11	LFP		108.46	7.96	--	0.00	100.50	**1,200**	300	**1,800**	1	<0.5	76	3	<0.5	14
B-3	8/23-24/11	LFP		108.46	9.24	--	0.00	99.22	**960**	<72	**3,700**	**8**	2	160	8	<0.5	11.7
B-3	11/7-9/11	LFP		108.46	8.95	--	0.00	99.51	**1,500**	460	**5,800**	**7**	2	180	6	<0.5	12.3
B-3	2/6-8/12	LFP		108.46	7.40	--	0.00	101.06	<31	<71	<50	<0.5	<0.5	<0.5	<0.5	<0.5	4.4
B-3	5/2-4/12	LFP		108.46	7.50	--	0.00	100.96	53	<72	**1,300**	<0.5	<0.5	19	<0.5	0.7	3.9
B-3	8/1-3/12	LFP		108.46	8.24	--	0.00	100.22	460	110	600	0.6	<0.5	1	<0.5	<0.5	8.0
B-3	11/26-28/12	LFP		108.46	6.98	--	0.00	101.48	73	<68	500	<0.5	<0.5	0.8	<0.5	<0.5	7.4
B-3	2/4-6/13	LFP		108.46	6.33	--	0.00	102.13	45	<66	120	<0.5	<0.5	<0.5	<0.5	<0.5	5.6
B-3	5/6-8/13	LFP		108.46	8.50	--	0.00	99.96	150	<67	**2,600**	<0.5	<0.5	73	3	<0.5	8.9
B-3	9/9-13/13	LFP		108.46	8.09	--	0.00	100.37	160/**2,700**	<66/72	**1,700**	0.6	<0.5	37	0.9	<0.5	**16.0**
B-3	11/18-22/13	LFP		108.46	6.45	--	0.00	102.01	42/**1,600**	<67/180	190	<0.5	<0.5	<0.5	<0.5	<0.5	11.2
B-3	2/4-11/14	LFP		108.46	8.10	--	0.00	100.36	36/**730**	<67/<67	480	<0.5	<0.5	2	<0.5	<0.5	7.4
B-3	6/12-14/14	LFP		108.46	8.69	--	0.00	99.77	100/**780**	<66/100	260	<0.5	<0.5	1	<0.5	<0.5	8.3
B-3	8/18-21/14	LFP		108.46	9.23	--	0.00	99.23	180/**1,000**	<68/170	**1,000**	<0.5	<0.5	9	0.7	<0.5	8.9
B-3	11/19-20/14	LFP		108.46	8.17	--	0.00	100.29	130/**1,400**	<67/160	**900**	<0.5	<0.5	7	<0.5	<0.5	13.4
B-3	2/17-20/15	LFP		108.46	6.36	--	0.00	102.10	150/490	<66/180	650	<0.5	<0.5	<0.5	<0.5	<0.5	2.9
B-3	5/11-15/15	LFP		108.46	8.16	--	0.00	100.30	120/690	<66/<66	**1,400**	<0.5	<0.5	33	0.9	<0.5	0.0081
B-3	8/10-11/15	LFP		108.46	9.59	--	0.00	98.87	130/**2,000**	<67/**550**	660	<0.5	<0.5	5	0.5	<0.5	9.5
B-3	11/16-18/15	LFP		108.46	5.58	--	0.00	102.88	57/**1,200**	<67/180	**880**	<0.5	<0.5	2	<0.5	<0.5	0.0185
B-3	5/13-14/16	LFP		108.46	8.64	--	0.00	99.82	38/**650**	<67/220	400	<0.5	<0.5	1	<0.5	--	5.1
B-3	11/14/16	LFP		108.46	7.45	--	0.00	101.01	<29/380	<67/<67	560	<0.5	<0.5	1	<0.5	--	10.6
B-3	5/14/17	LFP		108.46	7.44	--	0.00	101.02	<28/92	<66/<66	230	<0.5	<0.5	1	<0.5	--	2.3
B-3	11/11-12/17	LFP		108.46	7.47	--	0.00	100.99	32/270	<67/<67	**860**	3	<0.5	2	<0.5	--	11.4
B-3	5/11/18	LFP		108.46	8.14	--	0.00	100.32	33/82	<67/68	**900**	<0.5	<0.5	5	<0.5	<0.5	0.76
B-3	11/11-12/18	LFP		108.46	8.24	--	0.00	100.22	180/**2,800**	<66/370	**2,100**	0.9	0.3	5	<1	--	11.1
B-3	4/27/2019	LFP		108.46	8.02	--	0.00	100.44	160	<66	<19	<0.2	<0.2	<0.4	<1	--	3.4
B-4	2/14/91			107.68	--	--	0.00	--	<250	--	**33,000**	--	--	--	--	--	--

Table 2
Historical Groundwater Gauging Data and Analytical Results
COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
B-4	2/14/92			107.68	6.82	--	0.00	100.86	--	--	--	--	--	--	--	--	--
B-4	2/18/92			107.68	5.94	--	0.00	101.74	--	--	--	--	--	--	--	--	--
B-4	3/9/92			107.68	6.62	--	0.00	101.06	--	--	--	--	--	--	--	--	--
B-4	3/13/92			107.68	6.88	--	0.00	100.80	--	--	**21,000**	--	--	--	--	--	--
B-4	4/21/92			107.68	6.57	--	0.00	101.11	--	--	--	--	--	--	--	--	--
B-4	3/3/94			107.68	--	--	0.00	--	**1,040**	**1,250**	**15,800**	--	--	--	--	--	--
B-4	8/22/95			107.68	7.92	--	0.00	99.76	**840**	**820**	**22,000**	--	--	--	--	--	--
B-4	11/28/95			107.68	6.11	--	0.00	101.57	**1,900**	**990**	**22,000**	--	--	--	--	--	3.1
B-4	3/12/96			107.68	6.85	--	0.00	100.83	**3,200**	**2,500**	**11,000**	--	--	--	--	--	4.7
B-4	6/26/96			107.68	7.58	--	0.00	100.10	**757**	<750	**16,100**	--	--	--	--	--	2.83
B-4	10/9/96			107.68	7.90	--	0.00	99.78	**543**	<750	**10,200**	--	--	--	--	--	4.13
B-4	2/12/97			107.68	6.01	--	0.00	101.67	**4,710**	**4,830**	**12,200**	--	--	--	--	--	2.82
B-4	4/22/97			107.68	10.10	--	0.00	97.58	**5,840**	**1,191**	**15,500**	--	--	--	--	--	4.18
B-4	8/5/97			107.68	8.37	--	0.00	99.31	**2,560**	**3,160**	**15,800**	--	--	--	--	--	6.26
B-4	11/11/97			107.68	7.67	--	0.00	100.01	**2,080**	**1,040**	**31,100**	--	--	--	--	--	4.75
B-4	2/11/98			107.68	6.45	--	0.00	101.23	**1,340**	**1,630**	**3,750**	--	--	--	--	--	<2.0
B-4	5/28/98			107.68	7.25	--	0.00	100.43	**3,180**	**1,250**	**2,510**	--	--	--	--	--	4.69
B-4	8/20/98			107.68	9.12	--	0.00	98.56	**1,460**	**1,240**	**7,240**	--	--	--	--	--	1.17
B-4	11/19/98			107.68	7.22	--	0.00	100.46	**2,470**	**3,750**	**1,880**	--	--	--	--	--	<1.0
B-4	3/11/99			107.68	5.41	--	0.00	102.27	**1,130**	**585**	**11,900**	--	--	--	--	--	3.54
B-4	5/25/99			107.68	7.45	--	0.00	100.23	<1,450	--	**5,380**	--	--	--	--	--	--
B-4	8/17/99			107.68	8.06	--	0.00	99.62	**670**	**868**	**2,700**	--	--	--	--	--	2.3
B-4	11/19/99			107.68	5.75	--	0.00	101.93	**1,700**	--	**11,400**	--	--	--	--	--	**17.5**
B-4	3/9/00			107.68	6.34	--	0.00	101.34	<1,250	**2,830**	**105,000**	--	--	--	--	--	10.9
B-4	6/13/00			107.68	6.80	--	0.00	100.88	<250	**943**	**8,810**	--	--	--	--	--	6.92
B-4	9/26/00			107.68	8.31	--	0.00	99.37	<250	0.565	--	--	--	--	--	--	5
B-4	12/13/00			107.68	7.54	--	0.00	100.14	**1,250**	<500	--	--	--	--	--	--	5.98
B-4	2/28/01			107.68	7.24	--	0.00	100.44	<250	<500	**12,100**	--	--	--	--	--	5.34
B-4	5/2/01			107.68	6.59	--	0.00	101.09	**15,700**	**757**	**12,300**	--	--	--	--	--	5.75
B-4	10/30/02			107.68	UNABLE TO LOCATE - PAVED OVER					--	--	--	--	--	--	--	--
B-4	1/23/03			107.68	UNABLE TO LOCATE - PAVED OVER					--	--	--	--	--	--	--	--
B-4	4/18/03			107.68	UNABLE TO LOCATE - PAVED OVER					--	--	--	--	--	--	--	--
B-4	7/11/03			107.68	UNABLE TO LOCATE - PAVED OVER					--	--	--	--	--	--	--	--
B-4	10/31/03			107.68	UNABLE TO LOCATE - PAVED OVER					--	--	--	--	--	--	--	--
B-4	12/30/03			107.68	6.07	--	0.00	101.61	**17,000**	**2,000**	**1,700**	<10	<5.0	310	370	--	7.5
B-4	5/3/04			107.68	UNABLE TO LOCATE - PAVED OVER					--	--	--	--	--	--	--	--
B-4	7/20/04			107.68	8.23	--	0.00	99.45	<250	<500	**4,660**	**15.1**	1.3	42.3	10.1	--	--
B-4	10/6/04			107.68	7.45	--	0.00	100.23	390	180	**2,300**	--	--	--	--	--	--
B-4	1/27/05			107.68	6.72	--	0.00	100.96	200	<195	**2,800**	--	--	--	--	--	--
B-4	4/12/05			107.68	6.62	--	0.00	101.06	340	<100	**2,600**	--	--	--	--	--	--
B-4	7/18/05			107.68	6.62	--	0.00	101.06	**560**	<1,100	**1,600**	--	--	--	--	--	--
B-4	10/21/05			107.68	7.81	--	0.00	99.87	190	260	**1,800**	--	--	--	--	--	--
B-4	9/4/07			107.68	8.40	--	0.00	99.28	310	<100	**3,200**	--	--	--	--	--	1.8
B-4	9/4/07 (D)			107.68	8.40	--	0.00	99.28	340	140	**3,300**	--	--	--	--	--	1.7
B-4	5/27-28/08	LFP		107.68	7.52	--	0.00	100.16	310	330	**1,800**	3	3	25	7	<0.5	2.9
B-4	8/27-29/08	LFP		107.68	7.88	--	0.00	99.80	330	**1,100**	**3,100**	1	0.9	22	4	<0.5	1.6
B-4	11/17-19/08	LFP		107.68	6.26	--	0.00	101.42	**700**	**2,600**	**3,500**	1	0.7	27	3	<0.5	2.3
B-4	2/16-18/09	LFP		107.68	7.40	--	0.00	100.28	440	480	**2,000**	0.6	<0.5	11	2	<0.5	2
B-4	5/4-6/09	LFP		107.68	6.46	--	0.00	101.22	**590**	**1,300**	**2,100**	<0.5	<0.5	20	2	<0.5	1.6

Table 2
Historical Groundwater Gauging Data and Analytical Results
COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
B-4	8/19-21/09	LFP		107.68	8.35	--	0.00	99.33	**590**	**810**	**910**	1	<0.5	5	1	<0.5	1.2
B-4	11/18-20/09	LFP		107.68	5.30	--	0.00	102.38	490	450	**5,700**	3	0.7	36	3	<0.5	5.2
B-4	2/8-10/10	LFP		107.68	6.78	--	0.00	100.90	400	**1,400**	350	<0.5	<0.5	4	<0.5	<0.5	0.46
B-4	5/12-13/10	LFP		107.68	7.23	--	0.00	100.45	**940**	**7,100**	360	<0.5	<0.5	1	<0.5	<0.5	0.15
B-4	8/11/10	LFP		107.68	8.00	--	0.00	99.68	**600**	**2,000**	170	<0.5	<0.5	1	<0.5	<0.5	0.26
B-4	11/3-4/10	LFP		107.68	6.19	--	0.00	101.49	400	**1,500**	530	<0.5	<0.5	4	0.7	<0.5	1
B-4	2/3-4/11	LFP		107.68	7.15	--	0.00	100.53	**1,400**	**4,700**	**2,200**	0.9	0.7	11	1	<0.5	2.9
B-4	5/24/11	LFP		107.68	7.22	--	0.00	100.46	300	**680**	**840**	<0.5	<0.5	0.8	<0.5	<0.5	1.2
B-4	8/23-24/11	LFP		107.68	8.50	--	0.00	99.18	230	<68	**1,400**	<0.5	<0.5	1	0.6	<0.5	1.4
B-4	11/7-9/11	LFP		107.68	8.15	--	0.00	99.53	120	360	**950**	<0.5	<0.5	1	0.5	<0.5	0.57
B-4	2/6-8/12	LFP		107.68	6.80	--	0.00	100.88	64	120	320	<0.5	<0.5	2	<0.5	<0.5	1.6
B-4	5/2-4/12	LFP		107.68	6.75	--	0.00	100.93	110	72	580	<0.5	<0.05	2	<0.5	<0.5	1.7
B-4	8/1-3/12	LFP		107.68	8.26	--	0.00	99.42	100	190	510	<0.5	<0.5	<0.5	<0.5	<0.5	0.83
B-4	11/26-28/12	LFP		107.68	6.34	--	0.00	101.34	320	210	**1,200**	<0.5	<0.5	8	0.7	<0.5	3.0
B-4	2/4-6/13	LFP		107.68	6.95	--	0.00	100.73	150	<69	**1,600**	<0.5	<0.5	4	<0.5	<0.5	2.5
B-4	5/6-8/13	LFP		107.68	7.53	--	0.00	100.15	140	<67	**2,400**	<0.5	<0.5	4	0.5	<0.5	2.4
B-4	9/9-13/13	LFP		107.68	7.30	--	0.00	100.38	130/250	<66/110	**1,200**	<0.5	<0.5	3	0.5	<0.5	1.6
B-4	11/18-22/13	LFP		107.68	6.76	--	0.00	100.92	120/150	<67/<67	**1,200**	<0.5	<0.5	3	<0.5	<0.5	1.9
B-4	2/4-11/14	LFP		107.68	7.36	--	0.00	100.32	140/170	<68/<68	**1,800**	<0.5	<0.5	3	<0.5	<0.5	2.4
B-4	6/12-14/14	LFP		107.68	7.94	--	0.00	99.74	120/260	<67/73	**1,200**	<0.5	<0.5	1	<0.5	<0.5	1.8
B-4	8/18-21/14	LFP		107.68	8.43	--	0.00	99.25	140/300	<67/88	**1,800**	<0.5	<0.5	1	0.5	<0.5	1.4
B-4	11/19-20/14	LFP		107.68	6.77	--	0.00	100.91	120/270	<66/<66	**1,300**	<0.5	<0.5	2	<0.5	<0.5	2.4
B-4	2/17-20/15	LFP		107.68	6.93	--	0.00	100.75	95/290	240/470	550	<0.5	<0.5	<0.5	<0.5	<0.5	0.73
B-4	5/11-15/15	LFP		107.68	7.91	--	0.00	99.77	130/210	<66/<66	**940**	<0.5	<0.5	1	<0.5	<0.5	0.0016
B-4	8/10-11/15	LFP		107.68	8.94	--	0.00	98.74	66/500	<66/340	600	<0.5	<0.5	<0.5	0.6	<0.5	0.89
B-4	11/16-18/15	LFP		107.68	4.73	--	0.00	102.95	130/**750**	270/**740**	**2,000**	<0.5	<0.5	4	<0.5	<0.5	0.0171
B-4	5/13-14/16	LFP		107.68	7.84	--	0.00	99.84	120/390	300/**550**	**2,100**	<0.5	<0.5	0.9	<0.5	--	0.81
B-4	11/14/16	LFP		107.68	6.30	--	0.00	101.38	400/**1,000**	**610/1,000**	**1,200**	<0.5	<0.5	<0.5	<0.5	--	1.00
B-4	5/14/17	LFP		107.68	6.65	--	0.00	101.03	**520/1,200**	**1,100/2,500**	**2,000**	<0.5	<0.5	<0.5	<0.5	--	12.8
B-4	11/11-12/17	LFP		107.68	6.57	--	0.00	101.11	180/**650**	260/**700**	**3,600**	4	<0.5	1	<0.5	--	0.97
B-4	5/11/18	LFP		107.68	7.39	--	0.00	100.29	180/**650**	260/**700**	**3,600**	4	<0.5	1	<0.5	--	0.97
B-4	11/11-12/18	LFP		107.68	7.52	--	0.00	100.16	110/230	150/330	**1,600**	<0.2	<0.2	<0.4	<1	--	1.8
B-4	4/27/2019	LFP		107.68	7.31	--	0.00	100.37	90 J	<68	940	<0.2	<0.2	<0.4	<1	--	6.9
MW-101	2/14/92			99.51	6.94	--	--	92.57	**33,000**	--	**45,000**	--	--	--	--	--	--
MW-101	2/18/92			99.51	6.88	--	--	92.63	--	--	--	--	--	--	--	--	--
MW-101	3/9/92			99.51	6.76	--	--	92.75	--	--	--	--	--	--	--	--	--
MW-101	3/13/92			99.51	7.02	--	--	92.49	--	--	--	--	--	--	--	--	--
MW-101	4/21/92			99.51	7.73	--	--	91.78	--	--	--	--	--	--	--	--	--
MW-101	3/3/94			99.51	--	--	--	--	**1,730**	<750	**73,000**	--	--	--	--	--	--
MW-101	8/22/95			99.51	7.90	--	--	91.61	**1,300**	<750	**12,000**	--	--	--	--	--	--
MW-101	11/28/95			99.51	6.12	--	--	93.39	**1,400**	<750	**49,000**	--	--	--	--	--	**24**
MW-101	3/12/96			99.51	6.86	--	--	92.65	**760**	<750	**43,000**	--	--	--	--	--	9.3
MW-101	6/26/96			99.51	7.59	--	--	91.92	**656**	<750	**22,000**	--	--	--	--	--	8.22
MW-101	10/9/96			99.51	7.85	--	--	91.66	309	<750	**5,800**	--	--	--	--	--	4.24
MW-101	2/12/97			99.51	6.55	--	--	92.96	**1,090**	<750	**33,900**	--	--	--	--	--	7.04
MW-101	4/22/97			99.51	6.31	--	--	93.20	**1,870**	**977**	**21,500**	--	--	--	--	--	7.41
MW-101	11/11/97			99.51	6.76	--	--	92.75	**952**	<750	**23,400**	--	--	--	--	--	11.3
MW-101	2/11/98			99.51	6.78	--	--	92.73	**793**	<750	**28,400**	--	--	--	--	--	6.51

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COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
MW-101	5/28/98			99.51	6.91	--	--	92.60	**798**	<750	**11,900**	--	--	--	--	--	4.71
MW-101	8/20/98			99.51	8.30	--	--	91.21	414	<750	**4,400**	--	--	--	--	--	1.6
MW-101	11/19/98			99.51	7.69	--	--	91.82	**714**	<750	**5,820**	--	--	--	--	--	1.7
MW-101	3/11/99			99.51	6.17	--	--	93.34	**1,200**	<500	**38,500**	--	--	--	--	--	6.82
MW-101	5/25/99			99.51	100.97	--	--	-1.46	**1,450**	--	**18,000**	--	--	--	--	--	--
MW-101	8/17/99			99.51	7.99	--	--	91.52	**810**	**750**	**2,940**	--	--	--	--	--	2.9
MW-101	11/19/99			99.51	5.84	--	--	93.67	**1,010**	--	**16,300**	--	--	--	--	--	**15.4**
MW-101	3/9/00			99.51	6.25	--	--	93.26	<250	<500	**15,800**	--	--	--	--	--	13
MW-101	6/13/00			99.51	6.98	--	--	92.53	<250	<500	**4,870**	--	--	--	--	--	4.3
MW-101	9/26/00			99.51	8.15	--	--	91.36	--	<250	<500	--	--	--	--	--	1.88
MW-101	12/13/00			99.51	7.65	--	--	91.86	**988**	442	<500	--	--	--	--	--	1.13
MW-101	2/28/01			99.51	7.25	--	--	92.26	<250	<500	**2,710**	--	--	--	--	--	2.45
MW-101	5/2/01			99.51	9.55	--	--	89.96	<250	<500	**2,280**	--	--	--	--	--	2.6
MW-101	10/30/02			99.54	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-101	1/23/03			99.54	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-101	4/18/03			99.54	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-101	7/11/03			99.54	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-101	10/31/03			99.54	UNABLE TO LOCATE - POSSIBLY PAVED OVER						--	--	--	--	--	--	--
MW-101	12/30/03			99.54	6.04	--	0.00	93.50	**13,000**	**890**	<96	<5.0	0.6	260	290	--	**27.9**
MW-101	5/3/04			99.54	UNABLE TO LOCATE - POSSIBLY PAVED OVER						--	--	--	--	--	--	--
MW-101	7/20/04			99.54	8.18	--	0.00	91.36	<250	<500	**1,040**	3.01	<0.500	0.822	1.21	--	<1.0[5]
MW-101	10/6/04			99.51	7.54	--	0.00	91.97	<81	<100	<260	--	--	--	--	--	--
MW-101	1/27/05			99.51	6.78	--	0.00	92.73	190	<100	**2,900**	--	--	--	--	--	--
MW-101	4/12/05			99.51	6.32	--	0.00	93.19	160	<100	**1,700**	--	--	--	--	--	--
MW-101	7/18/05			99.51	7.78	--	0.00	91.73	93	<99	240	--	--	--	--	--	--
MW-101	10/21/05			99.51	7.75	--	0.00	91.76	110	<100	470	--	--	--	--	--	--
MW-101	9/5/07			99.51	8.22	--	0.00	91.29	110	140	200	--	--	--	--	--	1.2
MW-101	5/27-28/08	LFP		99.51	7.71	--	0.00	91.80	<80	<99	410	<0.5	<0.5	0.5	<0.5	<0.5	1.2
MW-101	8/27-29/08	LFP		99.51	7.75	--	0.00	91.76	<79	<99	450	<0.5	<0.5	<0.5	<0.5	<0.5	0.39
MW-101	11/17-19/08	LFP		99.51	6.33	--	0.00	93.18	74	<68	520	<0.5	<0.5	1	<0.5	<0.5	1.1
MW-101	2/16-18/09	LFP		99.51	7.43	--	0.00	92.08	68	<67	590	<0.5	<0.5	<0.5	<0.5	<0.5	0.96
MW-101	5/4-6/09	LFP		99.51	6.93	--	0.00	92.58	66	<68	370	<0.5	<0.5	<0.5	<0.5	<0.5	0.39
MW-101	8/19-21/09	LFP		99.51	8.16	--	0.00	91.35	65	<70	510	<0.5	<0.5	<0.5	<0.5	<0.5	0.22
MW-101	11/18-20/09	LFP		99.51	4.97	--	0.00	94.54	42	<69	84	<0.5	<0.5	<0.5	<0.5	<0.5	1
MW-101	2/8-10/10	LFP		99.51	6.82	--	0.00	92.69	130	190	**970**	<0.5	<0.5	1	<0.5	<0.5	2.1
MW-101	5/12-13/10	LFP		99.51	7.32	--	0.00	92.19	64	<70	470	<0.5	<0.5	<0.5	<0.5	<0.5	0.65
MW-101	8/12/10	LFP		99.51	7.96	--	0.00	91.55	52	<68	370	<0.5	<0.5	<0.5	<0.5	<0.5	0.24
MW-101	MONITORING WELL DECOMMISSIONED/SAMPLING DISCONTINUED																
MW-102	2/14/92			--	6.94	--	0.00	--	--	--	--	--	--	--	--	--	--
MW-102	2/18/92			--	6.88	--	0.00	--	--	--	--	--	--	--	--	--	--
MW-102	3/9/92			--	6.76	--	0.00	--	--	--	--	--	--	--	--	--	--
MW-102	3/13/92			--	7.02	--	0.00	--	--	--	150	--	--	--	--	--	--
MW-102	4/21/92			--	7.72	--	0.00	--	--	--	--	--	--	--	--	--	--
MW-102	NOT PART OF MONITORING/SAMPLING PROGRAM																
MW-104	2/14/92			100.45	8.86	--	0.00	91.59	--	--	--	--	--	--	--	--	--
MW-104	2/18/92			100.45	8.84	--	0.00	91.61	--	--	--	--	--	--	--	--	--
MW-104	3/9/92			100.45	8.73	--	0.00	91.72	--	--	--	--	--	--	--	--	--

Table 2
Historical Groundwater Gauging Data and Analytical Results
COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
MW-104	3/13/92			100.45	8.84	--	0.00	91.61	--	--	<50	--	--	--	--	--	--
MW-104	4/21/92			100.45	8.72	--	0.00	91.73	--	--	--	--	--	--	--	--	--
MW-104	8/22/95			100.45	9.30	--	0.00	91.15	<250	<750	<50	--	--	--	--	--	--
MW-104	11/27/95			100.45	8.39	--	0.00	92.06	--	--	--	--	--	--	--	--	--
MW-104	3/12/96			100.45	8.78	--	0.00	91.67	--	--	--	--	--	--	--	--	--
MW-104	6/27/96			100.45	9.00	--	0.00	91.45	--	--	--	--	--	--	--	--	--
MW-104	10/10/96			100.45	9.18	--	0.00	91.27	--	--	--	--	--	--	--	--	--
MW-104	2/12/97			100.45	8.65	--	0.00	91.80	<250	<750	<50	--	--	--	--	--	<2.0
MW-104	4/22/97			100.45	8.50	--	0.00	91.95	<250	<750	<50	--	--	--	--	--	<2.0
MW-104	8/5/97			100.45	9.20	--	0.00	91.25	<250	<750	<50	--	--	--	--	--	<2.0
MW-104	11/11/97			100.45	8.81	--	0.00	91.64	<250	<750	<50	--	--	--	--	--	<2.0
MW-104	2/11/98			100.45	8.83	--	0.00	91.62	<250	<750	<50	--	--	--	--	--	<2.0
MW-104	5/28/98			100.45	8.97	--	0.00	91.48	<250	<750	<50	--	--	--	--	--	9.54
MW-104	8/20/98			100.45	9.51	--	0.00	90.94	<250	<750	<50	--	--	--	--	--	<1.0
MW-104	11/19/98			100.45	9.82	--	0.00	90.63	<250	<750	<50	--	--	--	--	--	<1.0
MW-104	3/11/99			100.45	8.48	--	0.00	91.97	<250	<500	<80	--	--	--	--	--	<1.0
MW-104	5/25/99			100.45	8.96	--	0.00	91.49	<250	--	<80	--	--	--	--	--	--
MW-104	8/17/99			100.45	9.24	--	0.00	91.21	<250	<500	<80	--	--	--	--	--	<1.0
MW-104	11/19/99			100.45	8.40	--	0.00	92.05	<250	--	<80	--	--	--	--	--	1.0
MW-104	3/9/00			100.45	8.49	--	0.00	91.96	<250	<50	<80	--	--	--	--	--	<1.0
MW-104	6/13/00			100.45	8.89	--	0.00	91.56	<250	<500	<80	--	--	--	--	--	<1.0
MW-104	9/26/00			100.45	9.32	--	0.00	91.13	<250	<500	--	--	--	--	--	--	<1.0
MW-104	12/13/00			100.45	9.09	--	0.00	91.36	<250	<500	--	--	--	--	--	--	<1.0
MW-104	2/28/01			100.45	8.89	--	0.00	91.56	<250	<500	<80	--	--	--	--	--	<1.0
MW-104	5/2/01			100.45	8.79	--	0.00	91.66	<250	<500	103	--	--	--	--	--	<1.0
MW-104	10/30/02			100.44	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-104	1/23/03			100.44	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-104	4/18/03			100.44	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-104	7/11/03			100.44	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-104	10/31/03			100.44	9.15	--	0.00	91.29	<250	<500	<50	<0.500	<0.500	<0.500	<1.00	--	<1.0[5]
MW-104	12/30/03			100.44	8.39	--	0.00	92.05	<50	<77	<96	<0.5	<0.5	<0.5	<1.5	--	<1.2
MW-104	5/3/04			100.44	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-104	7/20/04			100.44	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-104	10/7/04			100.45	9.09	--	0.00	91.36	<83	<100	<50	--	--	--	--	--	--
MW-104	10/20/05			100.45	9.19	--	0.00	91.26	<82	<100	<48	--	--	--	--	--	--
MW-104	9/6/07			100.45	9.42	--	0.00	91.03	<79	<98	<50	--	--	--	--	--	0.087
MW-104	5/27-28/08			100.45		INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
MW-104	8/27-29/08	LFP		100.45	9.23	--	0.00	91.22	<79	<99	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-104	11/17-19/08	LFP		100.46	8.75	--	0.00	91.71	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-104	2/16-18/09	LFP		100.46	9.01	--	0.00	91.45	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.1
MW-104	5/4-6/09	LFP		100.46	8.88	--	0.00	91.58	38	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-104	8/19-21/09	LFP		100.46	9.32	--	0.00	91.14	<29	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.057
MW-104	11/18-20/09	LFP		100.46	8.08	--	0.00	92.38	<29	<68	98	<0.5	<0.5	<0.5	<0.5	<0.5	0.11
MW-104	2/8-10/10	LFP		100.46	8.76	--	0.00	91.70	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.053
MW-104	MONITORING WELL DECOMMISSIONED/SAMPLING DISCONTINUED																
MW-105	2/14/92			96.14	3.36	--	0.00	92.78	--	--	--	--	--	--	--	--	--
MW-105	2/18/92			96.14	3.34	--	0.00	92.80	--	--	--	--	--	--	--	--	--
MW-105	3/9/92			96.14	3.25	--	0.00	92.89	--	--	--	--	--	--	--	--	--

Table 2
Historical Groundwater Gauging Data and Analytical Results
COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
MW-105	3/13/92			96.14	3.60	--	0.00	92.54	--	--	<50	--	--	--	--	--	--
MW-105	4/21/92			96.14	3.40	--	0.00	92.74	--	--	--	--	--	--	--	--	--
MW-105	8/22/95			96.14	5.08	--	0.00	91.06	<250	**900**	<50	--	--	--	--	--	--
MW-105	11/28/95			96.14	2.53	--	0.00	93.61	--	--	--	--	--	--	--	--	--
MW-105	3/12/96			96.14	3.37	--	0.00	92.77	--	--	--	--	--	--	--	--	--
MW-105	6/26/96			96.14	4.74	--	0.00	91.40	--	--	--	--	--	--	--	--	--
MW-105	10/9/96			96.14	4.93	--	0.00	91.21	--	--	--	--	--	--	--	--	--
MW-105	2/12/97			96.14	3.19	--	0.00	92.95	<250	<750	<50	--	--	--	--	--	2
MW-105	4/22/97			96.14	3.08	--	0.00	93.06	<250	<750	<50	--	--	--	--	--	2
MW-105	8/5/97			96.14	4.85	--	0.00	91.29	<250	<750	<50	--	--	--	--	--	2
MW-105	11/11/97			96.14	3.11	--	0.00	93.03	<250	<750	<50	--	--	--	--	--	2
MW-105	2/11/98			96.14	3.24	--	0.00	92.90	<250	<750	<50	--	--	--	--	--	2
MW-105	5/28/98			96.14	3.91	--	0.00	92.23	<250	<750	<50	--	--	--	--	--	6.62
MW-105	8/20/98			96.14	5.28	--	0.00	90.86	<250	<750	<50	--	--	--	--	--	<1.00
MW-105	11/19/98			96.14	5.37	--	0.00	90.77	<250	<750	<50	--	--	--	--	--	<1.00
MW-105	3/11/99			96.14	2.43	--	0.00	93.71	<250	<500	<80	--	--	--	--	--	<1.00
MW-105	5/25/99			96.14	4.29	--	0.00	91.85	<250	--	<80	--	--	--	--	--	--
MW-105	8/17/99			96.14	5.06	--	0.00	91.08	<250	<500	<80	--	--	--	--	--	<1.00
MW-105	11/19/99			96.14	3.08	--	0.00	93.06	<250	--	<80	--	--	--	--	--	<1.00
MW-105	3/9/00			96.14	2.75	--	0.00	93.39	<250	<500	<80	--	--	--	--	--	<1.00
MW-105	6/13/00			96.14	4.45	--	0.00	91.69	<250	<500	<80	--	--	--	--	--	<1.00
MW-105	9/26/00			96.14	5.20	--	0.00	90.94	<250	<500	--	--	--	--	--	--	<1.00
MW-105	12/13/00			96.14	4.67	--	0.00	91.47	<250	<500	--	--	--	--	--	--	1.37
MW-105	2/28/01			96.14	3.92	--	0.00	92.22	<250	<500	<80	--	--	--	--	--	<1.00
MW-105	5/2/01			96.14	3.53	--	0.00	92.61	<250	<750	87	--	--	--	--	--	<1.00
MW-105	10/30/02			96.15	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-105	1/23/03			96.15	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-105	4/18/03			96.15	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-105	7/11/03			96.15	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-105	10/31/03			96.15	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-105	12/31/03			96.15	2.45	--	0.00	93.70	<50	<400	<500	<0.5	<0.5	<0.5	<1.5	--	<1.2
MW-105	5/3/04			96.15	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-105	7/20/04			96.15	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-105	10/7/04			96.14	4.71	--	0.00	91.43	<160	<200	<50	--	--	--	--	--	--
MW-105	10/20/05			96.14	5.16	--	0.00	90.98	<82	<100	<48	--	--	--	--	--	--
MW-105	9/6/07			96.14	5.34	--	0.00	90.80	<100	<81	<50	--	--	--	--	--	0.47
MW-105	5/27-28/08			96.14	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-105	8/27-29/08	LFP		96.14	5.16	--	0.00	90.98	<81	<100	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-105	11/17-19/08	LFP		96.14	3.75	--	0.00	92.39	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-105	2/16-18/09	LFP		96.14	6.15	--	0.00	89.99	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.57
MW-105	5/4-6/09	LFP		96.14	3.68	--	0.00	92.46	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-105	8/19-21/09	LFP		96.14	5.25	--	0.00	90.89	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.064
MW-105	11/18-20/09	LFP		96.14	1.56	--	0.00	94.58	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.053
MW-105	2/8-10/10	LFP		96.14	3.37	--	0.00	92.77	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.078
MW-105	MONITORING WELL DECOMMISSIONED/SAMPLING DISCONTINUED																
MW-106	2/14/92			99.71	8.18	--	0.00	91.53	--	--	--	--	--	--	--	--	--
MW-106	2/18/92			99.71	8.20	--	0.00	91.51	--	--	--	--	--	--	--	--	--
MW-106	3/9/92			99.71	8.04	--	0.00	91.67	--	--	--	--	--	--	--	--	--

Table 2
Historical Groundwater Gauging Data and Analytical Results
COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
MW-106	3/13/92			99.71	8.18	--	0.00	91.53	--	--	<50	--	--	--	--	--	--
MW-106	4/21/92			99.71	8.02	--	0.00	91.69	--	--	--	--	--	--	--	--	--
MW-106	8/22/95			99.71	8.79	--	0.00	90.92	<250	<750	<50	--	--	--	--	--	--
MW-106	11/28/95			99.71	7.63	--	0.00	92.08	--	--	--	--	--	--	--	--	--
MW-106	3/12/96			99.71	8.04	--	0.00	91.67	<250	<750	<50	--	--	--	--	--	<2.0
MW-106	6/26/96			99.71	8.61	--	0.00	91.10	<250	<750	<50	--	--	--	--	--	<2.0
MW-106	10/9/96			99.71	8.65	--	0.00	91.06	<250	<750	<50	--	--	--	--	--	2.16
MW-106	2/12/97			99.71	7.95	--	0.00	91.76	<250	<750	<50	--	--	--	--	--	<2.0
MW-106	4/22/97			99.71	7.73	--	0.00	91.98	<250	<750	<50	--	--	--	--	--	<2.0
MW-106	8/5/97			99.71	8.68	--	0.00	91.03	<250	<750	<50	--	--	--	--	--	<2.0
MW-106	11/11/97			99.71	8.07	--	0.00	91.64	<250	<750	<50	--	--	--	--	--	<2.0
MW-106	2/11/98			99.71	8.12	--	0.00	91.59	<250	<750	<50	--	--	--	--	--	<2.0
MW-106	5/28/98			99.71	8.35	--	0.00	91.36	<250	<750	<50	--	--	--	--	--	4.53
MW-106	8/20/98			99.71	8.96	--	0.00	90.75	<250	<750	<50	--	--	--	--	--	<1.0
MW-106	11/19/98			99.71	9.37	--	0.00	90.34	<250	<750	<50	--	--	--	--	--	<1.0
MW-106	3/11/99			99.71	7.70	--	0.00	92.01	<250	<50	<80	--	--	--	--	--	1.1
MW-106	5/25/99			99.71	8.32	--	0.00	91.39	<250	--	<80	--	--	--	--	--	--
MW-106	8/17/99			99.71	8.70	--	0.00	91.01	<250	<500	<80	--	--	--	--	--	<1.0
MW-106	11/19/99			99.71	7.88	--	0.00	91.83	<250	--	<80	--	--	--	--	--	<1.0
MW-106	3/9/00			99.71	7.74	--	0.00	91.97	<250	<500	<80	--	--	--	--	--	<1.0
MW-106	6/13/00			99.71	8.39	--	0.00	91.32	<250	<500	<80	--	--	--	--	--	<1.0
MW-106	9/26/00			99.71	8.79	--	0.00	90.92	<250	<500	--	--	--	--	--	--	<1.0
MW-106	12/13/00			99.71	8.51	--	0.00	91.20	<250	<500	--	--	--	--	--	--	<1.0
MW-106	2/28/01			99.71	8.18	--	0.00	91.53	<250	<500	<80	--	--	--	--	--	<2.0
MW-106	5/2/01			99.71	8.17	--	0.00	91.54	<250	<500	88	--	--	--	--	--	<1.0
MW-106	10/30/02			99.73	8.98	--	0.00	90.75	<250	<500	<80	<0.500	<0.500	<0.500	<1.00	--	<1.0
MW-106	1/23/03			99.73	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-106	4/18/03			99.73	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-106	7/11/03			99.73	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-106	10/31/03			99.73	8.52	--	0.00	91.21	<250	<500	<50	<0.500	<0.500	<0.500	<1.00	--	<1.0[5]
MW-106	12/31/03			99.73	7.54	--	0.00	92.19	<50	<78	<98	<0.5	<0.5	<0.5	<1.5	--	<1.2
MW-106	5/3/04			99.73	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-106	7/20/04			99.73	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-106	10/7/04			99.71	8.50	--	0.00	91.21	<78	<97	<50	--	--	--	--	--	--
MW-106	10/20/05			99.71	8.70	--	0.00	91.01	<82	<100	<48	--	--	--	--	--	--
MW-106	9/6/07			99.71	8.88	--	0.00	90.83	<80	<100	<50	--	--	--	--	--	0.13
MW-106	5/27-28/08			99.71		INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
MW-106	8/27-29/08	LFP		99.71	8.72	--	0.00	90.99	<79	<99	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-106	11/17-19/08	LFP		99.71	8.18	--	0.00	91.53	30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-106	2/16-18/09	LFP		99.71	8.40	--	0.00	91.31	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.072
MW-106	5/4-6/09	LFP		99.71	8.30	--	0.00	91.41	<29	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-106	8/19-21/09	LFP		99.71	8.65	--	0.00	91.06	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-106	11/18-20/09	LFP		99.71	7.40	--	0.00	92.31	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.11
MW-106	2/8-10/10	LFP		99.71	8.05	--	0.00	91.66	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-106	MONITORING WELL DECOMMISSIONED/SAMPLING DISCONTINUED																
MW-107	2/14/92			100.00	8.50	--	0.00	91.50	--	--	--	--	--	--	--	--	--
MW-107	2/18/92			100.00	8.50	--	0.00	91.50	--	--	--	--	--	--	--	--	--
MW-107	3/9/92			100.00	8.36	--	0.00	91.64	--	--	--	--	--	--	--	--	--

Table 2
Historical Groundwater Gauging Data and Analytical Results
COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
MW-107	3/13/92			100.00	8.52	--	0.00	91.48	--	--	<50	--	--	--	--	--	--
MW-107	4/21/92			100.00	8.36	--	0.00	91.64	--	--	--	--	--	--	--	--	--
MW-107	8/22/95			100.00	9.06	--	0.00	90.94	<250	<750	<50	--	--	--	--	--	--
MW-107	11/28/95			100.00	8.00	--	0.00	92.00	--	--	--	--	--	--	--	--	--
MW-107	3/12/96			100.00	8.36	--	0.00	91.64	--	--	--	--	--	--	--	--	--
MW-107	6/26/96			100.00	8.89	--	0.00	91.11	--	--	--	--	--	--	--	--	--
MW-107	10/9/96			100.00	8.94	--	0.00	91.06	--	--	--	--	--	--	--	--	--
MW-107	2/12/97			100.00	8.25	--	0.00	91.75	<250	<750	<50	--	--	--	--	--	<2.0
MW-107	4/22/97			100.00	8.05	--	0.00	91.95	<250	<750	<50	--	--	--	--	--	<2.0
MW-107	8/5/97			100.00	8.95	--	0.00	91.05	<250	<809	<50	--	--	--	--	--	<2.0
MW-107	11/11/97			100.00	8.37	--	0.00	91.63	<250	**750**	<50	--	--	--	--	--	<2.0
MW-107	2/11/98			100.00	8.44	--	0.00	91.56	351	**750**	<50	--	--	--	--	--	<2.0
MW-107	5/28/98			100.00	8.73	--	0.00	91.27	<250	**754**	<50	--	--	--	--	--	--
MW-107	8/20/98			100.00	9.24	--	0.00	90.76	<250	**750**	<50	--	--	--	--	--	1
MW-107	11/19/98			100.00	9.65	--	0.00	90.35	<250	**750**	<50	--	--	--	--	--	<1.0
MW-107	3/11/99			100.00	8.08	--	0.00	91.92	**539**	**750**	<80	--	--	--	--	--	<1.0
MW-107	5/25/99			100.00	8.82	--	0.00	91.18	<250	<500	<80	--	--	--	--	--	--
MW-107	8/17/99			100.00	8.10	--	0.00	91.90	<250	--	<80	--	--	--	--	--	<1.0
MW-107	11/19/99			100.00	8.21	--	0.00	91.79	<250	<500	<80	--	--	--	--	--	<1.0
MW-107	3/9/00			100.00	8.08	--	0.00	91.92	<250	--	<80	--	--	--	--	--	<1.0
MW-107	6/13/00			100.00	8.88	--	0.00	91.12	<250	<500	<80	--	--	--	--	--	<1.0
MW-107	9/26/00			100.00	9.07	--	0.00	90.93	<250	<500	--	--	--	--	--	--	<1.0
MW-107	12/13/00			100.00	8.78	--	0.00	91.22	<250	<500	--	--	--	--	--	--	<1.0
MW-107	2/28/01			100.00	8.63	--	0.00	91.37	<250	<500	<80	--	--	--	--	--	<1.0
MW-107	5/2/01			100.00	8.63	--	0.00	91.37	<250	<500	88	--	--	--	--	--	<1.0
MW-107	10/30/02			100.00	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-107	1/23/03			100.00	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-107	4/18/03			100.00	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-107	7/11/03			100.00	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-107	10/31/03			100.00	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-107	12/31/03			100.00	7.92	--	0.00	92.08	<50	85	150	<0.5	<0.5	<0.5	<1.5	--	<1.2
MW-107	5/3/04			100.00	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-107	7/20/04			100.00	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-107	10/7/04			100.00	8.78	--	0.00	91.22	<80	<100	<50	--	--	--	--	--	--
MW-107	10/20/05			100.00	8.97	--	0.00	91.03	<81	<100	<48	--	--	--	--	--	--
MW-107	9/6/07			100.00	9.18	--	0.00	90.82	<78	<98	<50	--	--	--	--	--	0.07
MW-107	5/27-28/08			100.00		INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
MW-107	8/27-29/08	LFP		100.00	8.98	--	0.00	91.02	<79	<99	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-107	11/17-19/08	LFP		100.00	8.46	--	0.00	91.54	38	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-107	2/16-18/09	LFP		100.00	8.62	--	0.00	91.38	35	70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.068
MW-107	5/4-6/09	LFP		100.00	8.95	--	0.00	91.05	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-107	8/19-21/09	LFP		100.00	9.11	--	0.00	90.89	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.27
MW-107	11/18-20/09	LFP		100.00	7.77	--	0.00	92.23	99	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-107	2/8-10/10	LFP		100.00	8.25	--	0.00	91.75	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-107	MONITORING WELL DECOMMISSIONED/SAMPLING DISCONTINUED																
MW-108	2/14/92			99.79	8.10	--	0.00	91.69	--	--	--	--	--	--	--	--	--
MW-108	2/18/92			99.79	8.62	--	0.00	91.17	--	--	--	--	--	--	--	--	--
MW-108	3/9/92			99.79	8.49	--	0.00	91.30	--	--	--	--	--	--	--	--	--

Table 2
Historical Groundwater Gauging Data and Analytical Results
COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
MW-108	3/13/92			99.79	8.63	--	0.00	91.16	--	--	<50	--	--	--	--	--	--
MW-108	4/21/92			99.79	8.47	--	0.00	91.32	--	--	--	--	--	--	--	--	--
MW-108	8/22/95			99.79	9.04	--	0.00	90.75	<250	<750	<50	--	--	--	--	--	--
MW-108	11/28/95			99.79	7.98	--	0.00	91.81	--	--	--	--	--	--	--	--	--
MW-108	3/12/96			99.79	8.50	--	0.00	91.29	--	--	--	--	--	--	--	--	--
MW-108	6/26/96			99.79	8.86	--	0.00	90.93	--	--	--	--	--	--	--	--	--
MW-108	10/9/96			99.79	8.91	--	0.00	90.88	--	--	--	--	--	--	--	--	--
MW-108	2/12/97			99.79	8.41	--	0.00	91.38	<250	<750	<50	--	--	--	--	--	<2.0
MW-108	4/22/97			99.79	8.08	--	0.00	91.71	<250	<750	<50	--	--	--	--	--	<2.0
MW-108	8/5/97			99.79	8.94	--	0.00	90.85	<250	**825**	<50	--	--	--	--	--	<2.0
MW-108	11/11/97			99.79	8.53	--	0.00	91.26	<250	<750	<50	--	--	--	--	--	<2.0
MW-108	2/11/98			99.79	8.59	--	0.00	91.20	<250	**873**	<50	--	--	--	--	--	<2.0
MW-108	5/28/98			99.79	8.72	--	0.00	91.07	<250	<750	<50	--	--	--	--	--	4.27
MW-108	8/20/98			99.79	9.20	--	0.00	90.59	<250	<750	<50	--	--	--	--	--	<1.0
MW-108	11/19/98			99.79	9.60	--	0.00	90.19	<250	<750	<50	--	--	--	--	--	<1.0
MW-108	3/11/99			99.79	8.16	--	0.00	91.63	<250	<500	<80	--	--	--	--	--	<1.0
MW-108	5/25/99			99.79	8.69	--	0.00	91.10	<250	--	<80	--	--	--	--	--	--
MW-108	8/17/99			99.79	8.96	--	0.00	90.83	<250	<500	<80	--	--	--	--	--	<1.0
MW-108	11/19/99			99.79	8.08	--	0.00	91.71	<250	--	<80	--	--	--	--	--	<1.0
MW-108	3/9/00			99.79	8.16	--	0.00	91.63	<250	<500	<80	--	--	--	--	--	<1.0
MW-108	6/13/00			99.79	8.69	--	0.00	91.10	<250	<500	<80	--	--	--	--	--	<1.0
MW-108	9/26/00			99.79	9.04	--	0.00	90.75	<250	<500	--	--	--	--	--	--	<1.0
MW-108	12/13/00			99.79	8.81	--	0.00	90.98	<250	<500	--	--	--	--	--	--	<1.0
MW-108	2/28/01			99.79	8.60	--	0.00	91.19	<250	<500	<80	--	--	--	--	--	<1.0
MW-108	5/2/01			99.79	8.53	--	0.00	91.26	<250	<500	<80	--	--	--	--	--	<1.0
MW-108	10/30/02			99.79	9.24	--	0.00	90.55	<250	<500	<80	<0.500	<0.500	<0.500	<1.0	--	<1.0
MW-108	1/23/03			99.79	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-108	4/18/03			99.79	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-108	7/11/03			99.79	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-108	10/31/03			99.79	8.82	--	0.00	90.97	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.0	--	<1.0[5]
MW-108	12/31/03			99.79	7.95	--	0.00	91.84	<50	<77	<97	<0.5	<0.5	<0.5	<1.5	--	<1.2
MW-108	5/3/04			99.79	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-108	7/20/04			99.79	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
MW-108	10/7/04			99.79	8.80	--	0.00	90.99	<80	<100	<50	--	--	--	--	--	--
MW-108	10/20/05			99.79	8.89	--	0.00	90.90	<81	<100	<48	--	--	--	--	--	--
MW-108	10/20/05 (D)			99.79	8.89	--	0.00	90.90	<81	<100	<48	--	--	--	--	--	--
MW-108	9/6/07			99.79	9.15	--	0.00	90.64	<80	<100	<50	--	--	--	--	--	0.12
MW-108	5/27-28/08			99.79		INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
MW-108	8/27-29/08	LFP		99.79	9.00	--	0.00	90.79	<78	<98	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-108	11/17-19/08	LFP		99.79	8.48	--	0.00	91.31	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-108	2/16-18/09	LFP		99.79	8.74	--	0.00	91.05	**1,100**	230	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.070
MW-108	5/4-6/09	LFP		99.79	8.62	--	0.00	91.17	<29	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-108	8/19-21/09	LFP		99.79	9.07	--	0.00	90.72	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-108	11/18-20/09	LFP		99.79	7.64	--	0.00	92.15	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-108	2/8-10/10	LFP		99.79	8.50	--	0.00	91.29	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.050
MW-108	MONITORING WELL DECOMMISSIONED/SAMPLING DISCONTINUED																
TRIP BLANK	10/30/02			--	--	--	--	--	--	--	--	--	--	--	--	--	--
TRIP BLANK	1/23/03			--	--	--	--	--	--	--	<80	<0.500	<0.500	<0.500	<1.0	--	--

Table 2
Historical Groundwater Gauging Data and Analytical Results
COWLITZ BP / COWLITZ Food and Fuel / Former Texaco Service Station No. 211556
101 Mulford Road, Toledo, Washington
All analytical results are presented in micrograms per liter (µg/L)

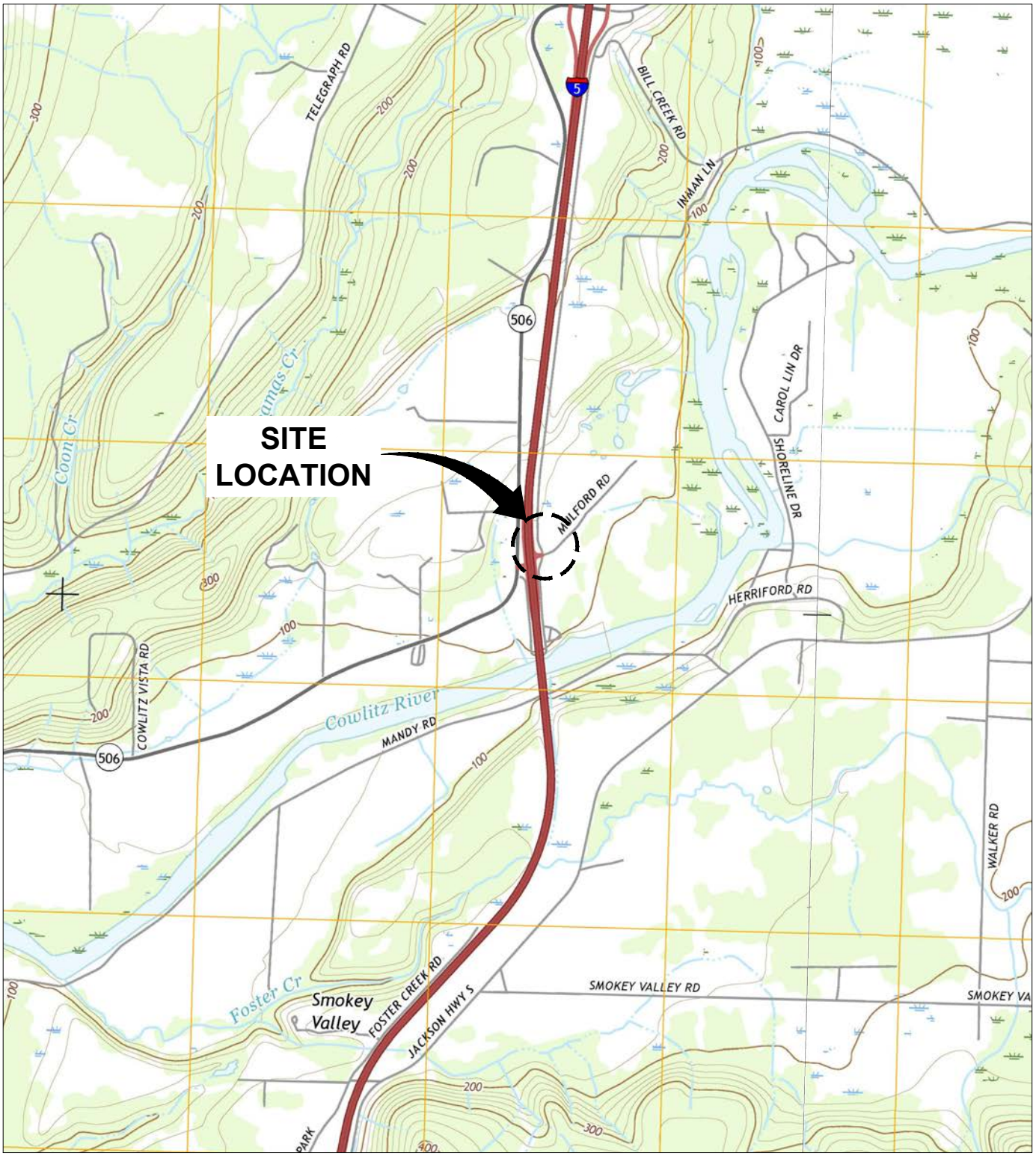
Well ID	Date	Purge Method	Notes	TOC[2]	DTW	DTP	NAPL	GWE[3]	DRO[4]	HO[4]	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L									**500**	**500**	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**20**	**15**
TRIP BLANK	4/18/03			--	--	--	--	--	--	--	<50	<0.500	<0.500	<0.500	<1.0	--	--
QA	7/11/03			--	--	--	--	--	--	--	<50	<0.500	<0.500	<0.500	<1.00	--	--
QA	10/31/03			--	--	--	--	--	--	--	<50	<0.500	<0.500	<0.500	<1.00	--	--
QA	12/31/03			--	--	--	--	--	<50	--	--	<0.5	<0.5	<0.5	<1.5	--	--
QA	5/3/04[6]			--	--	--	--	--	--	--	--	--	--	--	--	--	--
QA	7/20/04			--	--	--	--	--	--	--	<50	<0.500	<0.500	<0.500	<1.00	--	--
QA	5/27-28/08			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	8/27-29/08			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	11/17-19/08			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	2/16-18/09			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	5/4-6/09			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	8/19-21/09			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	11/18-20/09			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	2/8-10/10			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	5/12-13/10			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	8/11/10			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	11/3-4/10			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	2/3-4/11			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	5/23/11			--	--	--	--	--	--	--	<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	11/7-9/11			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	2/6-8/12			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	5/2-4/12			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	8/1-3/12			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	11/26-28/12			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	2/4-6/13			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	5/6-8/13			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	9/9-13/13			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	11/18-22/13			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	2/4-11/14			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	6/12-14/14			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	8/18-21/14			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	11/19-20/14			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	2/17-20/14			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	5/11-15/15			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	8/10-11/15			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	11/16-18/15			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	5/13-14/16			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	11/14/16			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	5/14/17			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	11/11-12/17			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	5/11/18			--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
QA	11/11-12/18			--	--	--	--	--	--	--	<19	<0.2	<0.2	<0.4	<1	--	--
QA	4/27/2019			--	--	--	--	--	--	--	<19	<0.2	<0.2	<0.4	<1	--	--

Notes:

ID = Identification
TOC = Top of casing
DTW = Depth to water in feet below TOC
DTP = Depth to product in feet below TOC
NAPL = Non-aqueous phase liquid thickness in feet
TOC, DTW, DTP, GWE are measured in feet (ft).
GWE = Groundwater elevation in feet NAVD 88
GRO = Gasoline Range Organics analyzed by Ecology Method NWTPH-Gx
DRO = Diesel Range Organics analyzed by Ecology Method NWTPH-Dx
HO = Heavy Oil Range Organics analyzed by Ecology Method NWTPH-Dx
MTBE = Methyl tertiary butyl ether
800/1,000 = GRO MTCA Method A CUL with benzene present is 800 µg/L and without is 1,000 µg/L
-- = Not analyzed/not applicable
< = Analytical result is less than reporting limit shown
LFP = Low flow (purge) sample
DRO, HO analyzed by NWTPH-Dx Extended method; GRO, Benzene, toluene, ethylbenzene, and total xylenes (BTEX), MTBE by U.S. Environmental Protection Agency (USEPA) 8260B; D.Lead by USEPA 6020.
QA = Quality Assurance

1 Analytical results in bold font indicate concentrations exceed MTCA Method A cleanup levels.
2 TOC elevations have been surveyed in feet relative to the 1988 North American Vertical Datum.
3 When LNAPL is present, GWE has been corrected using the following formula: GWE = [(TOC - DTW) + (LNAPLT x 0.80)].
4 TPH-DRO and TPH-HRO results with multiple values are reported as follows: with silica gel cleanup/without silica gel cleanup. TPH-DRO and TPH-HRO analyses for monitoring completed between October 2004 and May 2013 was performed with silica gel cleanup. The use of silica gel cleanup for samples collected prior to October 2004 has not been confirmed.
5 Laboratory report indicates this sample was laboratory filtered.
6 Laboratory indicates they did not receive a QA sample. No results were provided.
7 Laboratory analytical methods for historical data may not be consistent with list of current analytical methods. When necessary, consult original laboratory reports to verify methods used.
8 Insufficient groundwater to collect sample.

FIGURES



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

N

0 2,000' 4,000'

APPROXIMATE SCALE : 1 in. = 2,000 ft.

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

SITE LOCATION MAP

ARCADIS Design & Consultancy for natural and built assets

FIGURE
1

PARCEL #012429004000

COWLITZ RIDGE ROAD

I-5 N EXIT 59 ON-RAMP

I-5 S

I-5 N

MULFORD ROAD

I-5 N EXIT 59 OFF-RAMP

COWLITZ RIDGE ROAD

Restaurant

SERVICE STATION

SHELL SIGN

CONC. WALK

UST BASIN

PUMP

FORMER DISPENSER ISLAND / PRODUCT LINE EXCAVATION

FORMER DIESEL UST EXCAVATION (SECOR 1998)

FORMER UST EXCAVATION (KALDVEER ASSOCIATES 1992)

FORMER SERVICE STATION

SVSP-1

SVSP-2

SVSP-3

SVSP-4

B-1

B-2

B-3

B-4

MW-101

MW-103

MW-104

MW-105

MW-106

MW-107

MW-108

MW-109

MW-110

MW-111

MW-112

MW-113

MW-114

MW-115

MW-116

MW-117

MW-118

MW-119

MW-120

N

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

0 80' 160'

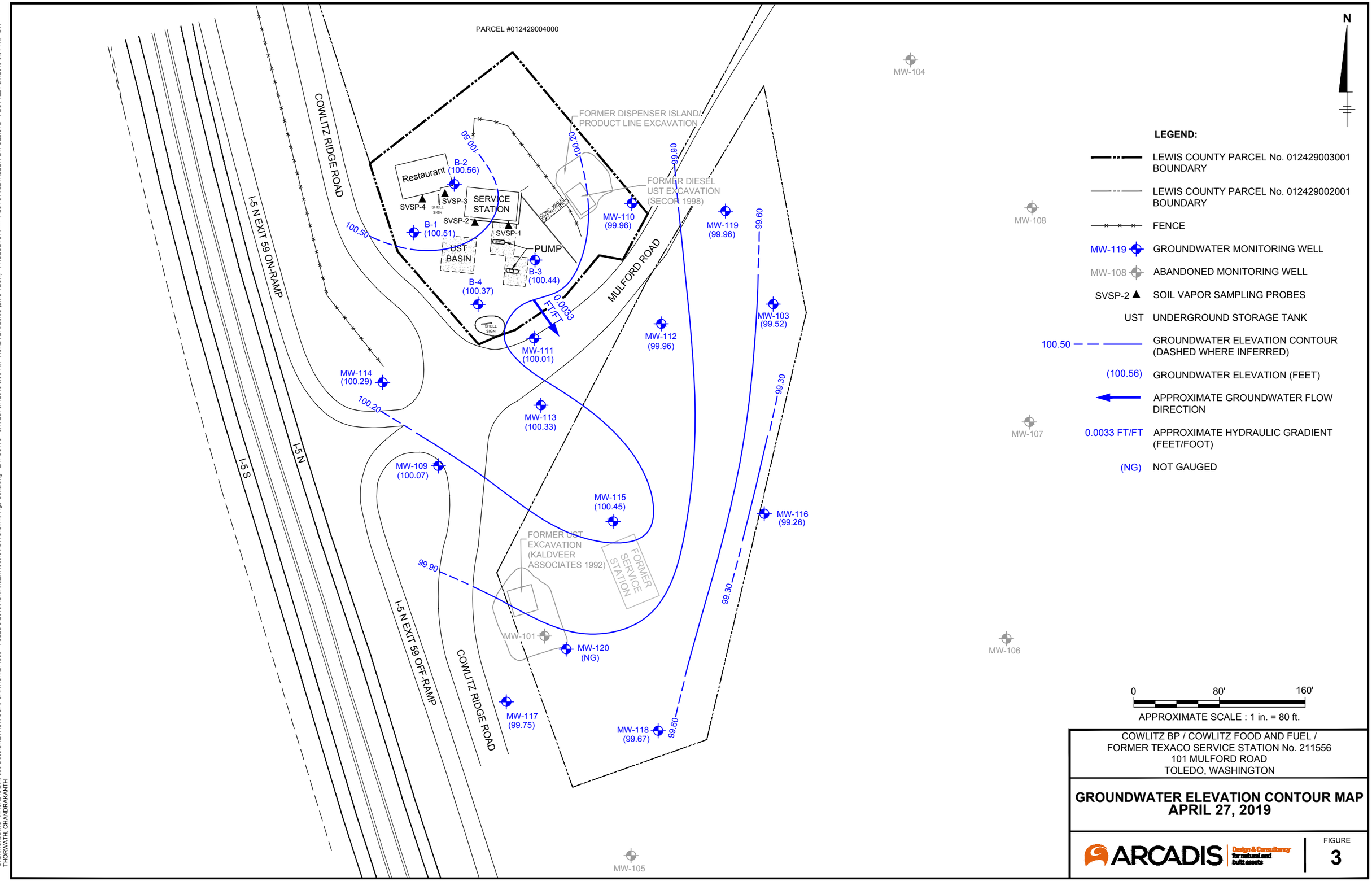
APPROXIMATE SCALE : 1 in. = 80 ft.

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

SITE PLAN

ARCADIS Design & Consultancy for natural and built assets

FIGURE
2

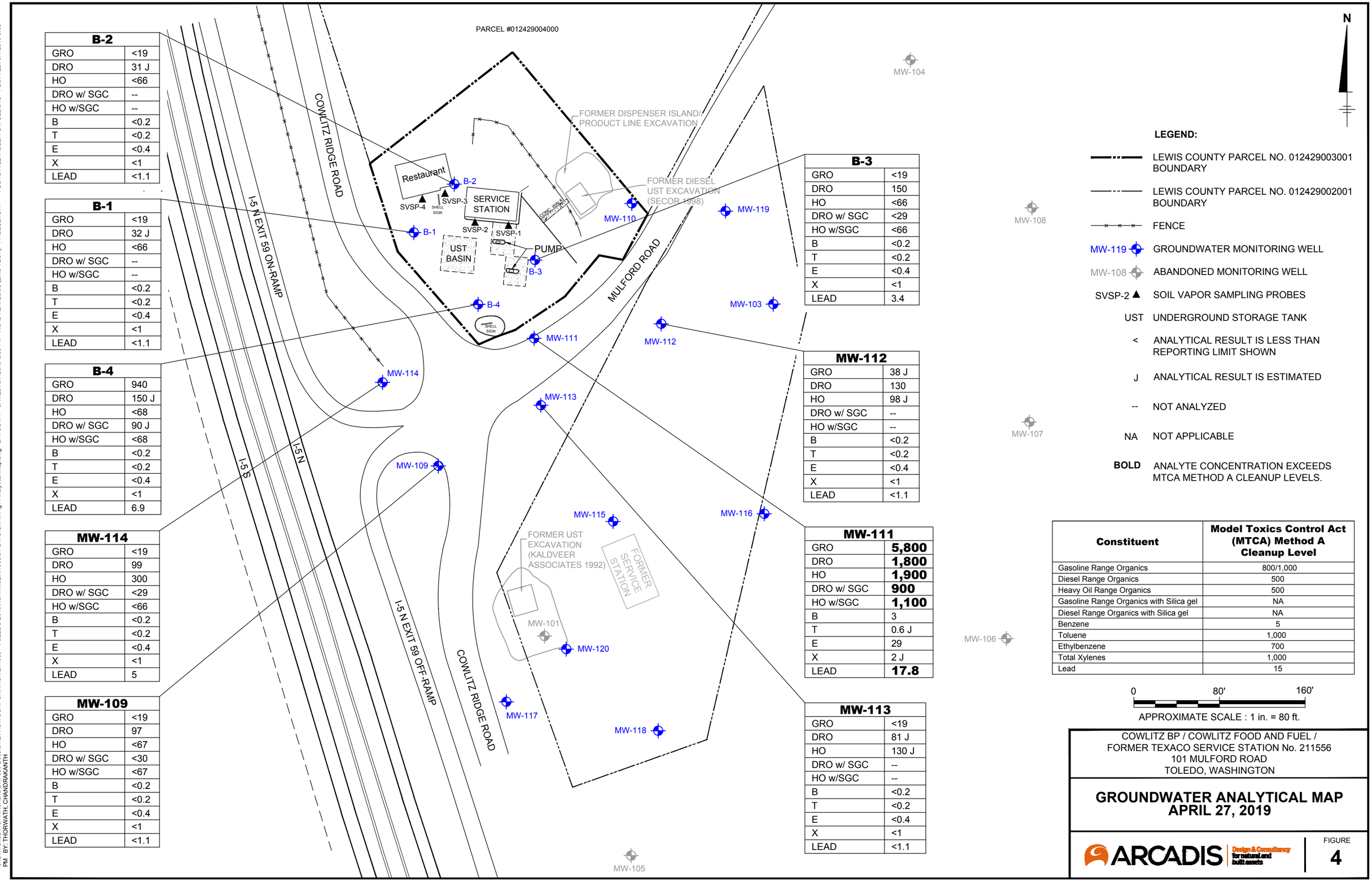


COWLITZ BP / COWLITZ FOOD AND FUEL /
FORMER TEXACO SERVICE STATION No. 211556
101 MULFORD ROAD
TOLEDO, WASHINGTON

GROUNDWATER ELEVATION CONTOUR MAP
APRIL 27, 2019

ARCADIS Design & Consultancy for natural and built assets

FIGURE
3



B-2	
GRO	<19
DRO	31 J
HO	<66
DRO w/ SGC	--
HO w/SGC	--
B	<0.2
T	<0.2
E	<0.4
X	<1
LEAD	<1.1

B-1	
GRO	<19
DRO	32 J
HO	<66
DRO w/ SGC	--
HO w/SGC	--
B	<0.2
T	<0.2
E	<0.4
X	<1
LEAD	<1.1

B-4	
GRO	940
DRO	150 J
HO	<68
DRO w/ SGC	90 J
HO w/SGC	<68
B	<0.2
T	<0.2
E	<0.4
X	<1
LEAD	6.9

MW-114	
GRO	<19
DRO	99
HO	300
DRO w/ SGC	<29
HO w/SGC	<66
B	<0.2
T	<0.2
E	<0.4
X	<1
LEAD	5

MW-109	
GRO	<19
DRO	97
HO	<67
DRO w/ SGC	<30
HO w/SGC	<67
B	<0.2
T	<0.2
E	<0.4
X	<1
LEAD	<1.1

B-3	
GRO	<19
DRO	150
HO	<66
DRO w/ SGC	<29
HO w/SGC	<66
B	<0.2
T	<0.2
E	<0.4
X	<1
LEAD	3.4

MW-112	
GRO	38 J
DRO	130
HO	98 J
DRO w/ SGC	--
HO w/SGC	--
B	<0.2
T	<0.2
E	<0.4
X	<1
LEAD	<1.1

MW-111	
GRO	**5,800**
DRO	**1,800**
HO	**1,900**
DRO w/ SGC	**900**
HO w/SGC	**1,100**
B	3
T	0.6 J
E	29
X	2 J
LEAD	**17.8**

MW-113	
GRO	<19
DRO	81 J
HO	130 J
DRO w/ SGC	--
HO w/SGC	--
B	<0.2
T	<0.2
E	<0.4
X	<1
LEAD	<1.1

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
- < ANALYTICAL RESULT IS LESS THAN REPORTING LIMIT SHOWN
- J ANALYTICAL RESULT IS ESTIMATED
- -- NOT ANALYZED
- NA NOT APPLICABLE
- **BOLD** ANALYTE CONCENTRATION EXCEEDS MTCA METHOD A CLEANUP LEVELS.

Constituent	Model Toxics Control Act (MTCA) Method A Cleanup Level
Gasoline Range Organics	800/1,000
Diesel Range Organics	500
Heavy Oil Range Organics	500
Gasoline Range Organics with Silica gel	NA
Diesel Range Organics with Silica gel	NA
Benzene	5
Toluene	1,000
Ethylbenzene	700
Total Xylenes	1,000
Lead	15

0 80' 160'

APPROXIMATE SCALE : 1 in. = 80 ft.

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

GROUNDWATER ANALYTICAL MAP APRIL 27, 2019

ARCADIS Design & Consultancy for natural and built assets

FIGURE 4

ATTACHMENT A

Field Data Sheets

GETTLER-RYAN INC.

TRANSMITTAL

May 8, 2019
G-R #17156773

TO: Mr. Jason Little
Arcadis
1100 Olive Way, Suite 600
Seatlle, Washington 98101

FROM: Deanna L. Harding
Project Manager
Gettler-Ryan Inc.
6805 Sierra Court, Suite G
Dublin, California 94568

RE: Former Texaco Service Station
#211556/Cowlitz BP
101 Mulford Road
Toledo, Washington
UST Site#10669

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **First Semi Annual Event April 27, 2019**

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced data for your use.

Please provide us the updated historical data prior to the next monitoring and sampling event for our field use.

Please feel free to contact me if you have any comments/questions.

trans/211556

STANDARD OPERATING PROCEDURE, LOW-FLOW PURGING AND SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following Standard Operating Procedure (SOP) for the collection and handling of representative groundwater samples using the Low-Flow (Minimal-Drawdown) Purging technique. This SOP incorporates purging and sampling methods discussed in U.S. EPA, Ground Water Issue, Publication Number EPA/540/S-95/504, April 1996 by Puls, R.W. and M.J. Barcelona - *"Low-Flow (Minimal-Drawdown) Ground-Water Sampling Procedures."*

A QED Well Wizard™ (or equivalent) bladder pump or Peristaltic Pump will be used to purge and sample selected wells as outlined in the scope-of-work. An in-line flow cell or other multi-parameter meter is used to collect water quality indicating parameters during purging.

Initial Pump Discharge Test Procedures

The Static Water Level (SWL) is measured in all wells at the site prior to the installation of the pump or tubing and initiation of the test procedures in any well. In addition, the presence or absence of separate-phase hydrocarbons (SPH) is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot. The SWL measurement and SPH thickness, if any, will be recorded on the field data sheet. Total well depths are measured annually.

The bladder pump or suction inlet tubing of the peristaltic pump is then positioned with its inlet located within the screened interval of the well. The in-line flow cell is then connected to the discharge tubing. After pump installation, the SWL is allowed to recover to its original level. The pump is then started at a discharge rate between 100 ml to 300 ml per minute with the in-line flow cell connected. The water level is monitored continuously for any change from the original measurement and the discharge rate is adjusted until an optimum discharge rate (ODR) is determined. The goal for the ODR is to produce a stable drawdown of less than 0.1 meter as allowed by site conditions; however the total drawdown from the initial SWL should not exceed 25% of the distance between pump inlet location and the top of the well screen. Once achieved, the ODR will be confirmed by volumetric discharge measurement and recorded on the field data sheet.

Purging and Water Quality Parameter Measurement

When the ODR has been determined and the SWL drawdown has been established within the acceptable range, and a minimum of one pump system volume (bladder volume and/or discharge tubing volume) has been purged, field measurements for temperature (T), pH, conductivity (Ec), and if required, oxygen reduction potential (ORP) and dissolved oxygen (DO) will be collected and documented on the field data sheet. Measurements should be taken every three to five minutes until parameters stabilize for three consecutive readings. The minimum parameter subset of T (± 10%), pH (± 0.1 unit), and Ec (± 10 uS) are required to stabilize. Additional parameters that may be required are DO (± 0.2 mg/l) and ORP (± 20 mV).

Sample Collection

When water quality parameters have stabilized, and the SWL drawdown remains established within the acceptable range, groundwater sample collection may begin. If used, the in-line flow cell and its tubing are disconnected from the discharge tubing prior to sample collection. Water samples are collected from the discharge tubing into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards, as directed by the scope of work. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. A laboratory supplied trip blank accompanies each sampling set. The trip blank is analyzed for some or all of the same compounds as the groundwater samples. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #211556 | Job Number: 17156773
Site Address: 101 Mulford Road | Event Date: 4/27/19 (inclusive)
City: Toledo, WA | Sampler: AW

Well ID: MW-103 | Date Monitored: 4-27-19
Well Diameter: 2 | 4 in.
Total Depth: 18.35 ft.
Depth to Water: 8.29 ft. ☐ Check if water column is less then 0.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

10.06 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:
Disposable Bailer _____
Stainless Steel Bailer _____
Stack Pump _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

Sampling Equipment:
Disposable Bailer _____
Pressure Bailer _____
Metal Filters _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

Time Started: _____ (2400 hrs)
Time Completed: _____ (2400 hrs)
Depth to Product: _____ ft
Depth to Water: _____ ft
Hydrocarbon Thickness: _____ ft
Visual Confirmation/Description: _____
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: _____ ltr
Amt Removed from Well: _____ ltr
Water Removed: _____ ltr
Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N _____
Approx. Flow Rate: _____ mlpm Sediment Description: _____
Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS umhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc/NWTPH-Dx
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)

COMMENTS: Depth Pump Set At: ~ 17'

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #211556 | Job Number: 17156773
Site Address: 101 Mulford Road | Event Date: 4/27/19 (inclusive)
City: Toledo, WA | Sampler: AW

Well ID: MW-109 | Date Monitored: 4-27-19
Well Diameter: (2) 4 in.
Total Depth: 12.64 ft.
Depth to Water: 7.28 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

5.36 xVF ~ = ~ x3 case volume = Estimated Purge Volume: ~ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: ~

Purge Equipment:
- Disposable Bailer: ____
- Stainless Steel Bailer: ____
- Stack Pump: ____
- Peristaltic Pump: ✓
- QED Bladder Pump: ____
- Other: ____

Sampling Equipment:
- Disposable Bailer: ____
- Pressure Bailer: ✓
- Metal Filters: ✓
- Peristaltic Pump: ✓
- QED Bladder Pump: ____
- Other: ____

Time Started: ____ (2400 hrs)
Time Completed: ____ (2400 hrs)
Depth to Product: ____ ft
Depth to Water: ____ ft
Hydrocarbon Thickness: ____ ft
Visual Confirmation/Description: ____
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ____ ltr
Amt Removed from Well: ____ ltr
Water Removed: ____ ltr
Product Transferred to: ____

Start Time (purge): 0850 | Weather Conditions: Cloudy
Sample Time/Date: 0930 / 4-27-19 | Water Color: Cloudy | Odor: Y / (N)
Approx. Flow Rate: 200 mlpm | Sediment Description: Cloudy
Did well de-water? N | If yes, Time: ~ | Volume: ~ ltrs | DTW @ Sampling: 7.42

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0908	3.6	7.33	195.8	11.7	1.19	225	7.33
0911	4.2	7.39	196.1	11.8	1.20	231	7.37
0914	4.8	7.44	196.7	11.8	1.24	236	7.42

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-109	6 x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	2 x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc/NWTPH-Dx
	1 x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)

COMMENTS: Depth Pump Set At: ~10.0ft.

Add/Replaced Gasket: ____ Add/Replaced Bolt: ____ Add/Replaced Plug: ____ Add/Replaced Lock: ____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #211556 Job Number: 17156773
Site Address: 101 Mulford Road Event Date: 4/27/19 (inclusive)
City: Toledo, WA Sampler: AW

Well ID MW-110 Date Monitored: 4-27-19
Well Diameter 2 (4) in.
Total Depth 19.80 ft.
Depth to Water 8.93 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

10.87 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:
Disposable Bailer _____
Stainless Steel Bailer _____
Stack Pump _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

Sampling Equipment:
Disposable Bailer _____
Pressure Bailer _____
Metal Filters _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

Time Started: _____ (2400 hrs)
Time Completed: _____ (2400 hrs)
Depth to Product: _____ ft
Depth to Water: _____ ft
Hydrocarbon Thickness: _____ ft
Visual Confirmation/Description: _____
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: _____ ltr
Amt Removed from Well: _____ ltr
Water Removed: _____ ltr
Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N _____
Approx. Flow Rate: _____ mlpm Sediment Description: _____
Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS umhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc/NWTPH-Dx
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)

COMMENTS: Depth Pump Set At: ~ 17'0

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #211556 | Job Number: 17156773
Site Address: 101 Mulford Road | Event Date: 4/27/19 (inclusive)
City: Toledo, WA | Sampler: AW

Well ID: MW-111 | Date Monitored: 4-27-19
Well Diameter: 2 (4) in.
Total Depth: 17.72 ft.
Depth to Water: 7.11 ft. ☐ Check if water column is less then 0.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

10.61 xVF — = — x3 case volume = Estimated Purge Volume — gal.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:		Sampling Equipment:	
Disposable Bailer		Disposable Bailer	
Stainless Steel Bailer		Pressure Bailer	✓
Stack Pump		Metal Filters	
Peristaltic Pump	✓	Peristaltic Pump	✓
QED Bladder Pump		QED Bladder Pump	
Other:		Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ltr
Amt Removed from Well: ltr
Water Removed: ltr
Product Transferred to:

Start Time (purge): 1048 | Weather Conditions: Cloudy
Sample Time/Date: 1120 / 4-27-19 | Water Color: Cloudy | Odor: Y (N)
Approx. Flow Rate: 200 mlpm | Sediment Description: Cloudy
Did well de-water? N | If yes, Time: — | Volume: — ltrs | DTW @ Sampling: 7.23

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (°C / °F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1058	3.6	6.77	230	14.2	1.31	174	7.15
1101	4.2	6.80	237	14.3	1.29	180	7.19
1104	4.8	6.83	240	14.3	1.27	185	7.22

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-111	6 x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	2 x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc/NWTPH-Dx
	1 x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)

COMMENTS: Depth Pump Set At: ~12.5ft.

Add/Replaced Gasket: ____ Add/Replaced Bolt: ____ Add/Replaced Plug: ____ Add/Replaced Lock: ____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #211556 Job Number: 17156773
Site Address: 101 Mulford Road Event Date: 4/27/19 (inclusive)
City: Toledo, WA Sampler: AW

Well ID MW-112 Date Monitored: 4-27-19
Well Diameter (2) 4 in.
Total Depth 17.30 ft.
Depth to Water 7.62 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

9.68 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:		Sampling Equipment:	
Disposable Bailer		Disposable Bailer	
Stainless Steel Bailer		Pressure Bailer	✓
Stack Pump		Metal Filters	✓
Peristaltic Pump	✓	Peristaltic Pump	✓
QED Bladder Pump		QED Bladder Pump	
Other:		Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ltr
Amt Removed from Well: ltr
Water Removed: ltr
Product Transferred to:

Start Time (purge): 0700 Weather Conditions: Cloudy
Sample Time/Date: 0740 / 4-27-19 Water Color: Cloudy Odor: Y / (N)
Approx. Flow Rate: 200 mlpm Sediment Description: / Cloudy
Did well de-water? N If yes, Time: — Volume: — ltrs DTW @ Sampling: 7.75

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS) / mS µmhos/cm)	Temperature ((C) / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0718	3.6	7.06	129.7	11.5	1.10	204	7.66
0721	4.2	7.09	130.0	11.6	1.13	211	7.70
0724	4.8	7.12	130.2	11.6	1.19	215	7.75

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-112	(6) x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc/NWTPH-Dx
	1 x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)

COMMENTS: Depth Pump Set At: ~12.5ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #211556 Job Number: 17156773
Site Address: 101 Mulford Road Event Date: 4/27/19 (inclusive)
City: Toledo, WA Sampler: AW

Well ID MW-113 Date Monitored: 4/27/19
Well Diameter 2(4) in.
Total Depth 18.10 ft.
Depth to Water 8.11 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

9.99 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:		Sampling Equipment:	
Disposable Bailer		Disposable Bailer	
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	✓
Peristaltic Pump	✓	Peristaltic Pump	✓
QED Bladder Pump		QED Bladder Pump	
Other:		Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ltr
Amt Removed from Well: ltr
Water Removed: ltr
Product Transferred to:

Start Time (purge): 0755 Weather Conditions: Cloudy
Sample Time/Date: 0835 / 4-27-19 Water Color: Cloudy Odor: Y / (N)
Approx. Flow Rate: 200 mlpm Sediment Description: Cloudy
Did well de-water? N If yes, Time: — Volume: — ltrs DTW @ Sampling: 8.19

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0813	3.6	8.27	74.9	11.8	1.04	204	8.14
0816	4.2	8.22	75.2	11.9	1.09	211	8.15
0819	4.8	8.20	75.8	11.9	1.12	216	8.19

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-113	6 x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc/NWTPH-Dx
	1 x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)

COMMENTS: Depth Pump Set At: ~13.1 ft.

Add/Replaced Gasket: Add/Replaced Bolt: Add/Replaced Plug: Add/Replaced Lock:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #211556 | Job Number: 17156773
Site Address: 101 Mulford Road | Event Date: 4/27/19 (inclusive)
City: Toledo, WA | Sampler: AW

Well ID: MW-114 | Date Monitored: 4/27/19
Well Diameter: (2) 4 in.
Total Depth: 16.50 ft.
Depth to Water: 6.60 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

10.20 xVF ~ = ~ x3 case volume = Estimated Purge Volume: ~ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: ~

Purge Equipment:

Disposable Bailer	
Stainless Steel Bailer	
Stack Pump	
Peristaltic Pump	✓
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	
Pressure Bailer	
Metal Filters	✓
Peristaltic Pump	✓
QED Bladder Pump	
Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ltr
Amt Removed from Well: ltr
Water Removed ltr
Product Transferred to:

Start Time (purge): 0945 | Weather Conditions: Cloudy
Sample Time/Date: 1025 / 4-27-19 | Water Color: Cloudy Odor: Y / (N) | Sediment Description: Cloudy
Approx. Flow Rate: 200 mlpm
Did well de-water? N If yes, Time: ~ Volume: ~ ltrs DTW @ Sampling: 6.73

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1003	3.6	6.81	203	10.5	1.20	240	6.64
1006	4.2	6.84	200	10.6	1.24	250	6.69
1009	4.8	6.87	196	10.6	1.29	255	6.73

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-114	6 x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	2 x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc/NWTPH-Dx
	1 x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)

COMMENTS: Depth Pump Set At: ~ 11.7ft.

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #211556 | Job Number: 17156773
Site Address: 101 Mulford Road | Event Date: 4/27/19 (inclusive)
City: Toledo, WA | Sampler: GM

Well ID: MW-11S | Date Monitored: 4/27/19
Well Diameter: 2/4 in.
Total Depth: 17.74 ft.
Depth to Water: 7.49 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

10.25 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Peristaltic Pump
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Metal Filters
Peristaltic Pump
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: 0 ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ltr
Amt Removed from Well: ltr
Water Removed: ltr
Product Transferred to:

Start Time (purge): | Weather Conditions:
Sample Time/Date: / | Water Color: | Odor: Y / N
Approx. Flow Rate: mlpm | Sediment Description:
Did well de-water? | If yes, Time: | Volume: | ltrs DTW @ Sampling:

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS umhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc/NWTPH-Dx
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)

COMMENTS: Depth Pump Set At: NA M10

Add/Replaced Gasket: | Add/Replaced Bolt: | Add/Replaced Plug: | Add/Replaced Lock:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #211556 Job Number: 17156773
Site Address: 101 Mulford Road Event Date: 4/27/19 (inclusive)
City: Toledo, WA Sampler: AW

Well ID MW-11b Date Monitored: 4-27-19
Well Diameter (2) 4 in.
Total Depth 17.60 ft
Depth to Water 8.30 ft ☐ Check if water column is less then 0.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

9.30 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:
Disposable Bailer _____
Stainless Steel Bailer _____
Stack Pump _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

Sampling Equipment:
Disposable Bailer _____
Pressure Bailer _____
Metal Filters _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

Time Started: _____ (2400 hrs)
Time Completed: _____ (2400 hrs)
Depth to Product: _____ ft
Depth to Water: _____ ft
Hydrocarbon Thickness: _____ ft
Visual Confirmation/Description: _____
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: _____ ltr
Amt Removed from Well: _____ ltr
Water Removed: _____ ltr
Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N _____
Approx. Flow Rate: _____ mlpm Sediment Description: _____
Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc/NWTPH-Dx
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)

COMMENTS: Depth Pump Set At: ~ M/D

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #211556 | Job Number: 17156773
Site Address: 101 Mulford Road | Event Date: 4/27/19 (inclusive)
City: Toledo, WA | Sampler: GM

Well ID: MW-17 | Date Monitored: 4/27/19
Well Diameter: (2) 4 in.
Total Depth: 17.87 ft.
Depth to Water: 6.82 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

11.05 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Peristaltic Pump
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Metal Filters
Peristaltic Pump
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: 0 ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ltr
Amt Removed from Well: ltr
Water Removed: ltr
Product Transferred to:

Start Time (purge):
Sample Time/Date: /
Approx. Flow Rate: mlpm
Did well de-water? If yes, Time: Volume: ltrs DTW @ Sampling:

Weather Conditions:
Water Color: Odor: Y / N
Sediment Description:

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc/NWTPH-Dx
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)

COMMENTS: Depth Pump Set At: NA M/O

Add/Replaced Gasket: Add/Replaced Bolt: Add/Replaced Plug: Add/Replaced Lock:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #211556 Job Number: 17156773
Site Address: 101 Mulford Road Event Date: 4/27/19 (inclusive)
City: Toledo, WA Sampler: GM

Well ID MW-1B Date Monitored: 4/27/19
Well Diameter (2) 4 in.
Total Depth 17.51 ft.
Depth to Water 7.05 ft. ☐ Check if water column is less then 0.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

10.46 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: Ø ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ltr
Amt Removed from Well: ltr
Water Removed: ltr
Product Transferred to:

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Peristaltic Pump
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Metal Filters
Peristaltic Pump
QED Bladder Pump
Other:

Start Time (purge): Weather Conditions:
Sample Time/Date: / Water Color: Odor: Y / N
Approx. Flow Rate: mlpm Sediment Description:
Did well de-water? If yes, Time: Volume: ltrs DTW @ Sampling:

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS umhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc/NWTPH-Dx
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)

COMMENTS: Depth Pump Set At: NA M/O

Add/Replaced Gasket: Add/Replaced Bolt: Add/Replaced Plug: Add/Replaced Lock:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #211556 Job Number: 17156773
Site Address: 101 Mulford Road Event Date: 4/27/19 (inclusive)
City: Toledo, WA Sampler: AW

Well ID MW-119 Date Monitored: 4-27-19
Well Diameter 2/4 in.
Total Depth 16.70 ft.
Depth to Water 8.39 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

8.31 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Time Started: _____ (2400 hrs)
Time Completed: _____ (2400 hrs)
Depth to Product: _____ ft
Depth to Water: _____ ft
Hydrocarbon Thickness: _____ ft
Visual Confirmation/Description: _____
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: _____ ltr
Amt Removed from Well: _____ ltr
Water Removed: _____ ltr
Product Transferred to: _____

Purge Equipment:
Disposable Bailer _____
Stainless Steel Bailer _____
Stack Pump _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

Sampling Equipment:
Disposable Bailer _____
Pressure Bailer _____
Metal Filters _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

Start Time (purge): _____ Weather Conditions: _____
Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N _____
Approx. Flow Rate: _____ mlpm Sediment Description: _____
Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS umhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc/NWTPH-Dx
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)

COMMENTS: Depth Pump Set At: ~ MW

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #211556 | Job Number: 17156773
Site Address: 101 Mulford Road | Event Date: 4/27/19 (inclusive)
City: Toledo, WA | Sampler: GM

Well ID MW-120 | Date Monitored: 4/27/19
Well Diameter 2/4 in.
Total Depth ft.
Depth to Water [illegible] ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

[illegible] xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Peristaltic Pump
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Metal Filters
Peristaltic Pump
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ltr
Amt Removed from Well: ltr
Water Removed: ltr
Product Transferred to:

Start Time (purge): | Weather Conditions:
Sample Time/Date: / | Water Color: | Odor: Y / N
Approx. Flow Rate: mlpm | Sediment Description:
Did well de-water? If yes, Time: Volume: ltrs DTW @ Sampling:

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS umhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc/NWTPH-Dx
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)

COMMENTS: Depth Pump Set At: NA UNABLE TO LOCATE BUSINESS MANAGER BELIEVES THEY COVERED IT WITH A SHED.

Add/Replaced Gasket: Add/Replaced Bolt: Add/Replaced Plug: Add/Replaced Lock:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #211556 | Job Number: 17156773
Site Address: 101 Mulford Road | Event Date: 4/27/19 (inclusive)
City: Toledo, WA | Sampler: GM

Well ID: B-1 | Date Monitored: 4/27/19
Well Diameter: (2)4 in.
Total Depth: 19.96 ft.
Depth to Water: 7.23 ft. ☐ Check if water column is less then 0.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

12.73 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:		Sampling Equipment:	
Disposable Bailer		Disposable Bailer	
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	X
Peristaltic Pump	X	Peristaltic Pump	X
QED Bladder Pump		QED Bladder Pump	
Other:		Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: 6 ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ltr
Amt Removed from Well: ltr
Water Removed: ltr
Product Transferred to:

Start Time (purge): 0715 | Weather Conditions: CLOUDY
Sample Time/Date: 0755/4/27/19 | Water Color: CLEAR | Odor: Y (N)
Approx. Flow Rate: .157 mlpm | Sediment Description: NONE
Did well de-water? No If yes, Time: — Volume: — ltrs DTW @ Sampling: 7.26

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS mS umhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0733	2.83	6.92	237	12.2	1.3	296	7.25
0736	3.31	6.89	235	12.2	1.2	292	7.25
0739	3.78	6.88	234	12.2	1.2	290	7.26

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
B-1	6 x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc/NWTPH-Dx
	x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)
	1 x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)

COMMENTS: Depth Pump Set At: ≈13.60 ft.

Add/Replaced Gasket: Add/Replaced Bolt: Add/Replaced Plug: Add/Replaced Lock:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #211556 | Job Number: 17156773
Site Address: 101 Mulford Road | Event Date: 4/27/19 (inclusive)
City: Toledo, WA | Sampler: GM

Well ID: B-2 | Date Monitored: 4/27/19
Well Diameter: (2)4 in.
Total Depth: 19.30 ft.
Depth to Water: 8.43 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

10.87 xVF ___ = ___ x3 case volume = Estimated Purge Volume: ___ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: ___

Purge Equipment:		Sampling Equipment:	
Disposable Bailer		Disposable Bailer	
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	X
Peristaltic Pump	X	Peristaltic Pump	X
QED Bladder Pump		QED Bladder Pump	
Other:		Other:	

Time Started: ___ (2400 hrs)
Time Completed: ___ (2400 hrs)
Depth to Product: ___ ft
Depth to Water: ___ ft
Hydrocarbon Thickness: 0 ft
Visual Confirmation/Description: ___
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ___ ltr
Amt Removed from Well: ___ ltr
Water Removed: ___ ltr
Product Transferred to: ___

Start Time (purge): 0810 | Weather Conditions: CLOUDY
Sample Time/Date: 0850 / 4/27/19 | Water Color: CLEAR Odor: Y (N)
Approx. Flow Rate: .157 mlpm | Sediment Description: NONE
Did well de-water? NO If yes, Time: — Volume: — ltrs DTW @ Sampling: 8.49

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/ mS umhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0828	2.83	6.17	281	11.7	1.3	209	8.47
0831	3.31	6.18	279	11.6	1.4	211	8.47
0834	3.78	6.20	278	11.6	1.4	214	8.48

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
B-2	6 x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc/NWTPH-Dx
	1 x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)

COMMENTS: Depth Pump Set At: ≈13.87ft

Add/Replaced Gasket: ___ Add/Replaced Bolt: ___ Add/Replaced Plug: ___ Add/Replaced Lock: ___

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #211556 | Job Number: 17156773
Site Address: 101 Mulford Road | Event Date: 4/27/19 (inclusive)
City: Toledo, WA | Sampler: GM

Well ID: B-3 | Date Monitored: 4/27/19
Well Diameter: (2)4 in.
Total Depth: 13.83 ft.
Depth to Water: 8.02 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

5.81 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:
Disposable Bailer: ____
Stainless Steel Bailer: ____
Stack Pump: ____
Peristaltic Pump: x
QED Bladder Pump: ____
Other: ____

Sampling Equipment:
Disposable Bailer: ____
Pressure Bailer: ____
Metal Filters: Y
Peristaltic Pump: x
QED Bladder Pump: ____
Other: ____

Time Started: ____ (2400 hrs)
Time Completed: ____ (2400 hrs)
Depth to Product: ____ ft
Depth to Water: ____ ft
Hydrocarbon Thickness: Ø ft
Visual Confirmation/Description: ____
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ____ ltr
Amt Removed from Well: ____ ltr
Water Removed: ____ ltr
Product Transferred to: ____

Start Time (purge): 1000 | Weather Conditions: Cloudy
Sample Time/Date: 1040/4/27/19 | Water Color: ____ | Odor: (Y) / N Strong
Approx. Flow Rate: .157 mlpm | Sediment Description: —
Did well de-water? NO If yes, Time: ____ Volume: — ltrs DTW @ Sampling: 8.10

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS) / mS µmhos/cm)	Temperature (C) F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1018	2.83	5.93	355	14.1	1.3	187	8.10
1021	3.31	5.91	353	14.2	1.4	190	8.10
1024	3.78	5.99	351	14.2	1.4	192	8.10

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
B-3	6 x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	2x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc/NWTPH-Dx
	1 x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)

COMMENTS: Depth Pump Set At: ≈10.92 ft.

Add/Replaced Gasket: ____ Add/Replaced Bolt: ____ Add/Replaced Plug: ____ Add/Replaced Lock: ____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #211556 | Job Number: 17156773
Site Address: 101 Mulford Road | Event Date: 4/27/19 (inclusive)
City: Toledo, WA | Sampler: GM

Well ID: B-4 | Date Monitored: 4/27/19
Well Diameter: (2)4 in.
Total Depth: 14.86 ft.
Depth to Water: 7.31 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

7.55 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:		Sampling Equipment:	
Disposable Bailer		Disposable Bailer	
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	X
Peristaltic Pump	X	Peristaltic Pump	X
QED Bladder Pump		QED Bladder Pump	
Other:		Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: 0 ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ltr
Amt Removed from Well: ltr
Water Removed: ltr
Product Transferred to:

Start Time (purge): 0905 | Weather Conditions: CLOUDY
Sample Time/Date: 0945/4/27/19 | Water Color: CLEAR Odor: (Y) N / SLIGHT
Approx. Flow Rate: .150 mlpm | Sediment Description: SL SILT
Did well de-water? NO If yes, Time: — Volume: — ltrs DTW @ Sampling: 7.40

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS) mS umhos/cm)	Temperature (C) / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0923	2.83	6.17	309	11.8	1.3	270	7.39
0926	3.31	6.20	308	11.9	1.3	274	7.40
0929	3.78	6.21	306	11.9	1.3	276	7.40

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
B-4	6 x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx
	2 x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc/NWTPH-Dx
	1 x 250ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)
	x 500ml poly	YES	HNO3	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)

COMMENTS: Depth Pump Set At: ≈ 11.0 ft.

Add/Replaced Gasket: — Add/Replaced Bolt: — Add/Replaced Plug: — Add/Replaced Lock: —

Chevron Northwest Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

For Eurofins Lancaster Laboratories use only
Acct. # _____ Group # _____ Sample # _____
Instructions on reverse side correspond with circled numbers

SCR #: _____

(1) Client Information

Facility # SS#211556-OML G-R#17156773 WBS
Site Address 101 Mulford Road, TOLEDO, WA
Chevron PM EH LEIDOSRS Lead Consultant Russell Shropshire
Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 945[illegible]
Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com)
Consultant Phone # (925) 551-7444 x180
Sampler Alv /Gm

(4) Matrix

Soil ☐ Sediment ☐
Water ☒ Potable ☐ Ground ☒ NPDES ☐ Surface ☐
Oil ☐ Air ☐

(3) Grab / Composite

(2) Sample Identification

Sample Identification	Collected Date	Collected Time	Grab	Composite	Total Number of Containers
TA	19/427		X		2
MW-109	19/427	0930	X		9
MW-111	19/427	1120	X		9
MW-112	19/427	0740	X		9
MW-113	19/427	0835	X		9
MW-114	19/427	1125	X		9
B-1	19/427	0755	X		9
B-[illegible]	19/427	0850	X		9
B-3	19/427	1140	X		9
B-4	19/427	0945	X		9

(5) Analyses Requested

BTEX & MTBE 8021 ☐ 8260 ☒ Naphth ☐	8260 full scan	Oxygenates ____	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup ☒	NWTPH-Dx without Silica Gel Cleanup ☐	WA VPH ☐ WA EPH ☐	Lead Total ☐ Diss. ☒ Method ____
X			X				
X			X	X	X		X
X			X	X	X		X
X			X		X		X
X			X		X		X
X			X	X	X		X
X			X		X		X
X			X		X		X
X			X	X	X		X
X			X	X	X		X

☐ Results in Dry Weight
☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds
☐ 8021 MTBE Confirmation
☐ Confirm MTBE + Naphthalene
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run _____ oxy's on highest hit
☐ Run _____ oxy's on all hits

(6) Remarks

Please report results for Dx with & without sgc. TPWHD-1 Dissolved Lead sample to be filtered by the lab; all other Dissolved Lead samples to be field filtered.

Please forward lab results directly to the LC and cc: G-R. The TPW sample results should be forwarded directly to Deanna Harding

(7) Turnaround Time Requested (TAT) (please circle)

Standard 5 day 4 day EDF/EDD
72 hour 48 hour 24 hour

Relinquished by	Date	Time	Received by	Date	Time
	19/0479	1650			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by Commercial Carrier: UPS ____ FedEx X Other ____			Received by	Date	Time

(8) Data Package (circle if required)

Type I - Full
Type VI (Raw Data)

EDD (circle if required)

CVX-RTBU-FI_05 (default)
Other: _____

Temperature Upon Receipt _____ °C

Custody Seals Intact? Yes No

(9)

GETTLER-RYAN INC.

TRANSMITTAL

May 8, 2019
G-R #17156773

TO: Mr. Jason Little
Arcadis
1100 Olive Way, Suite 600
Seatlle, Washington 98101

FROM: Deanna L. Harding
Project Manager
Gettler-Ryan Inc.
6805 Sierra Court, Suite G
Dublin, California 94568

RE: Former Texaco Service Station
#211556/Cowlitz BP
101 Mulford Road
Toledo, Washington
UST Site#10669

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **Treated Purge Water Event of April 27, 2019**

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced data for your use.

Please provide us the updated historical data prior to the next monitoring and sampling event for our field use.

Please feel free to contact me if you have any comments/questions.

trans/211556

STANDARD OPERATING PROCEDURE
GROUNDWATER SAMPLING

Gettler-Ryan Inc. (GR) field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. All work is performed in accordance with the GR Health & Safety Plan and all client-specific programs. The scope of work and type of analysis to be performed is determined prior to commencing field work.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, all depth to water level measurements are collected with a static water level indicator and are also recorded in the field notes, prior to purging and sampling any wells. Total well depths are measured annually.

After water levels are collected and prior to sampling, if purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, peristaltic or Grundfos), or disposable bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging (additional parameters such as dissolved oxygen, oxidation reduction potential, turbidity may also be measured, depending on specific scope of work). Purging continues until these parameters stabilize. Purge water is treated by filtering the water through granular activated carbon and is subsequently placed in 55-gallon drums. A grab sample is collected from the effluent prior to placing the water in the drums. This sample will be handled as outlined below. Once the laboratory analytical report is received and the constituents of concern concentrations are confirmed to be below Washington Department of Ecology MTCA Method A Cleanup Levels, the purge water is then discharged to the ground surface at the site.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards, as directed by the scope of work. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

GETTLER-RYAN INC.

DAILY SAMPLING REPORT

CLIENT / FACILITY: Chevron #211556
101 Mulford Road
Toledo, WA

JOB #: 17156773
SAMPLER(S): AW / Cam
DATE: 4-27-19 (inclusive)

DESCRIPTION OF WORK PERFORMED

Total # of Wells this Event: 1
Monitor Only: ____
Sampled: 1
Developed: ____
Bailed Product from Wells: ____
Product Transferred To: ____
Total Well Depths Taken: ~~YES~~ / ~~NO~~

PURGE WATER TRANSFERRED TO:

Total Purged: ~ gals ____
Drums At Site: ~ gals ____
____

TRAFFIC CONTROL

National Baricade: YES / NO

PURGING EQUIPMENT

Disposable Bailer: ✓
3/8" Stack Pumps: ____
Stainless Steel Bailer: ____
Peristaltic Pump ____
QED Bladder Pump ____
Other: ____

SAMPLING EQUIPMENT: # OF WELLS USED ON

Disposable Bailer: # ____
Pressure Bailer: # ____
Poly Tubing: ____
Metal Filters: # 1
Eagle CGI: # ____

SPECIAL EQUIPMENT: # OF WELLS USED ON

D.O. Meter: ____
ORP/Re-Dox Meter: ____
Turbidity Meter: ____
Field Test: ____

OTHER EQUIPMENT

Absorbent Socks (# of): ____
Well Plug (# of): ____ Size: 2"
____ Size: 3"
____ 4" / 6"
Bolt(s): ____
Lock(s): ____
Gasket(s): ____

Samples dropped at: Shipped (Location) 4/29/19 (Date)

COMMENTS: TREATED PURGE WATER HOLDING DRUM SAMPLE

Arrival Time:	0600
Departure Time:	1215
TRAVEL Time Billed:	~
TOTAL Time Billed:	~

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211556 Job Number: 17156773
Site Address: 101 Mulford Road Event Date: 4/27/19 (inclusive)
City: Toledo, WA Sampler: AW / GM

Well ID TPWHD-1 Date Monitored: —
Well Diameter ___ in.
Total Depth ___ ft.
Depth to Water ___ ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

___ xVF ___ = ___ x3 case volume = Estimated Purge Volume: ___ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: ___

Purge Equipment:
Disposable Bailer ___
Stainless Steel Bailer ___
Stack Pump ___
Peristaltic Pump ___
QED Bladder Pump ___
Other: ___

Sampling Equipment:
Disposable Bailer ✓
Pressure Bailer ___
Metal Filters ___
Peristaltic Pump ___
QED Bladder Pump ___
Other: ___

Time Started: ___ (2400 hrs)
Time Completed: ___ (2400 hrs)
Depth to Product: ___ ft
Depth to Water: ___ ft
Hydrocarbon Thickness: ___ ft
Visual Confirmation/Description: ___
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ___ ltr
Amt Removed from Well: ___ ltr
Water Removed: ___ ltr
Product Transferred to: ___

Start Time (purge): —
Sample Time/Date: 1200 / 4-27-19
Approx. Flow Rate: ___ gpm.
Did well de-water? ___ If yes, Time: — Volume: — gal. DTW @ Sampling: —

Weather Conditions: Cloudy
Water Color: clear Odor: Y / (N)
Sediment Description: Clear

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS umhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
TPWHD-1	6 x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx w/sgc/NWTPH-Dx
	1 x 250ml poly	YES	NP	EUROFINS	DISSOLVED LEAD(6020 ICP/MS)

COMMENTS: All purge water ran thru carbon drum filtration system & placed into drums. Sample taken of filtered water from discharge line.

Add/Replaced Gasket: ___ Add/Replaced Bolt: ___ Add/Replaced Plug: ___ Add/Replaced Lock: ___

Chevron Northwest Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

For Eurofins Lancaster Laboratories use only
Acct. # ________ Group # ________ Sample # ________
Instructions on reverse side correspond with circled numbers.

SCR #: ________

① Client Information

Facility # SS#211556-OML G-R#17156773 WBS

Site Address 181 Mulford Road, TOLEDO, WA

Chevron PM EH LEIDOSRS Lead Consultant Russell Shropshire

Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568

Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com)

Consultant Phone # (925) 551-7444 x180

Sampler Alv/Gml

② Sample Identification | **③** | **④ Matrix** | **⑤ Analyses Requested**

Sample Identification	Collected Date	Collected Time	Grab	Composite	Soil	Sediment	Water Potable	Water Ground	NPDES	Surface	Oil	Air	Total Number of Containers	BTEX+MTBE 8021 / 8260 / Naphth	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead Total / Diss. / Method
TPWHD-1	12.4.27	12:00	✓					✓					9	✓			✓	✓	✓			✓

- ☐ Results in Dry Weight
- ☐ J value reporting needed
- ☐ Must meet lowest detection limits possible for 8260 compounds
- ☐ 8021 MTBE Confirmation
- ☐ Confirm MTBE + Naphthalene
- ☐ Confirm highest hit by 8260
- ☐ Confirm all hits by 8260
- ☐ Run ____ oxy's on highest hit
- ☐ Run ____ oxy's on all hits

⑥ Remarks

Please report results for Dx with & without sgc. TPWHD-1 Dissolved Lead sample to be filtered by the lab; all other Dissolved Lead samples to be field filtered.

Please forward lab results directly to the LC and cc: G-R. The TPW sample results should be forwarded directly to Deanna Harding

⑦ Turnaround Time Requested (TAT) (please circle)

Standard	5 day	4 day
72 hour	48 hour	24 hour

EDF/EDD

Relinquished by	Date	Time	Received by	Date	Time
	1/29/29	1/21/20			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by Commercial Carrier: UPS ____ FedEx ✓ Other ____			Received by	Date	Time

⑨

⑧ Data Package (circle if required)

Type I - Full

Type VI (Raw Data)

EDD (circle if required)

CVX-RTBU-FI_05 (default)

Other: ________

Temperature Upon Receipt ________ °C

Custody Seals Intact? Yes No

Eurofins Lancaster Laboratories, Inc. • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300

The white copy should accompany samples to Eurofins Lancaster Laboratories. The yellow copy should be retained by the client.

Issued by Dept. 40 Management 7051.03

ATTACHMENT B

Laboratory Report

eurofins | Lancaster Laboratories Environmental

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-6766 • www.EurofinsUS.com/LancLabsEnv

ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

Report Date: May 23, 2019 19:17

Project: 211556

Account #: 11928
Group Number: 2041346
PO Number: 0015312104
Release Number: HETRICK
State of Sample Origin: WA

Electronic Copy To	Arcadis	Attn: Jason Little
Electronic Copy To	Arcadis	Attn: Eric Krueger

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

To view our laboratory's current scopes of accreditation please go to https://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/certifications-and-accreditations-eurofins-lancaster-laboratories-environmental/ . Historical copies may be requested through your project manager.

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-6766 • www.EurofinsUS.com/LancLabsEnv

SAMPLE INFORMATION

Client Sample Description	Sample Collection Date/Time	ELLE#
QA-T-190427 NA Water	04/27/2019	1045969
MW-109-W-190427 Grab Groundwater	04/27/2019 09:30	1045970
MW-109-W-190427 Filtered Grab Groundwater	04/27/2019 09:30	1045971
MW-111-W-190427 Grab Groundwater	04/27/2019 11:20	1045972
MW-111-W-190427 Filtered Grab Groundwater	04/27/2019 11:20	1045973
MW-112-W-190427 Grab Groundwater	04/27/2019 07:40	1045974
MW-112-W-190427 Filtered Grab Groundwater	04/27/2019 07:40	1045975
MW-113-W-190427 Grab Groundwater	04/27/2019 08:35	1045976
MW-113-W-190427 Filtered Grab Groundwater	04/27/2019 08:35	1045977
MW-114-W-190427 Grab Groundwater	04/27/2019 10:25	1045978
MW-114-W-190427 Filtered Grab Groundwater	04/27/2019 10:25	1045979
B-1-W-190427 Grab Groundwater	04/27/2019 07:55	1045980
B-1-W-190427 Filtered Grab Groundwater	04/27/2019 07:55	1045981
B-2-W-190427 Grab Groundwater	04/27/2019 08:50	1045982
B-2-W-190427 Filtered Grab Groundwater	04/27/2019 08:50	1045983
B-3-W-190427 Grab Groundwater	04/27/2019 10:40	1045984
B-3-W-190427 Filtered Grab Groundwater	04/27/2019 10:40	1045985
B-4-W-190427 Grab Groundwater	04/27/2019 09:45	1045986
B-4-W-190427 Filtered Grab Groundwater	04/27/2019 09:45	1045987

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

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Analysis Report

Sample Description: **QA-T-190427 NA Water**
Facility# 211556 Job# 17156773
101 Mulford Rd - Toledo, WA

Chevron
ELLE Sample #: GW 1045969
ELLE Group #: 2041346
Matrix: Water

Project Name: **211556**

Submittal Date/Time: 04/30/2019 10:00
Collection Date/Time: 04/27/2019

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		**ug/l**	**ug/l**	**ug/l**	
13130	Benzene	71-43-2	N.D.	0.2	1	1
13130	Ethylbenzene	100-41-4	N.D.	0.4	1	1
13130	Toluene	108-88-3	N.D.	0.2	1	1
13130	Xylene (Total)	1330-20-7	N.D.	1	5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	19	250	1

Sample Comments

State of Washington Lab Certification No. C457

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
13130	BTEX 8260C	SW-846 8260C	1	F191262AA	05/06/2019 20:14	Alexander D Sechrist	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F191262AA	05/06/2019 20:13	Alexander D Sechrist	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	19122B20A	05/02/2019 20:02	Anastasia K Jaynes	1
01146	GC VOA Water Prep	SW-846 5030C	1	19122B20A	05/02/2019 20:01	Anastasia K Jaynes	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-109-W-190427 Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Rd - Toledo, WA

Project Name: **211556**

Submittal Date/Time: 04/30/2019 10:00
Collection Date/Time: 04/27/2019 09:30

Chevron
ELLE Sample #: GW 1045970
ELLE Group #: 2041346
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		**ug/l**	**ug/l**	**ug/l**	
13130	Benzene	71-43-2	N.D.	0.2	1	1
13130	Ethylbenzene	100-41-4	N.D.	0.4	1	1
13130	Toluene	108-88-3	N.D.	0.2	1	1
13130	Xylene (Total)	1330-20-7	N.D.	1	5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	19	250	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	97	30	96	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	240	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	30	96	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	240	1

The reverse surrogate, capric acid, is present at <1%.

Sample Comments

State of Washington Lab Certification No. C457

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
13130	BTEX 8260C	SW-846 8260C	1	F191262AA	05/06/2019 20:36	Alexander D Sechrist	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F191262AA	05/06/2019 20:35	Alexander D Sechrist	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	19122B20A	05/02/2019 20:46	Anastasia K Jaynes	1
01146	GC VOA Water Prep	SW-846 5030C	1	19122B20A	05/02/2019 20:45	Anastasia K Jaynes	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	191230029A	05/07/2019 21:33	Heather E Williams	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	191230030A	05/09/2019 16:05	Heather E Williams	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	191230030A	05/05/2019 08:00	David S Schrum	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	191230029A	05/05/2019 08:00	David S Schrum	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-109-W-190427 Filtered Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Rd - Toledo, WA

Project Name: **211556**

Submittal Date/Time: 04/30/2019 10:00
Collection Date/Time: 04/27/2019 09:30

Chevron
ELLE Sample #: GW 1045971
ELLE Group #: 2041346
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals		**SW-846 6020B Rev.2, July 2014**	**ug/l**	**ug/l**	**ug/l**	
06035	Lead	7439-92-1	N.D.	1.1	3.0	1

Sample Comments

State of Washington Lab Certification No. C457
This sample was filtered in the field for dissolved metals.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035	Lead	SW-846 6020B Rev.2, July 2014	1	191201404704A	05/16/2019 20:49	Bradley M Berlot	1
14047	ICPMS - Water, 3020A - U345	SW-846 3020A	1	191201404704	05/01/2019 06:04	James L Mertz	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-111-W-190427 Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Rd - Toledo, WA

Project Name: **211556**

Submittal Date/Time: 04/30/2019 10:00
Collection Date/Time: 04/27/2019 11:20

Chevron
ELLE Sample #: GW 1045972
ELLE Group #: 2041346
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		**ug/l**	**ug/l**	**ug/l**	
13130	Benzene	71-43-2	3	0.2	1	1
13130	Ethylbenzene	100-41-4	29	0.4	1	1
13130	Toluene	108-88-3	0.6 J	0.2	1	1
13130	Xylene (Total)	1330-20-7	2 J	1	5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	5,800	95	1,300	5
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	1,800	60	190	2
08271	Heavy Range Organics C24-C40	n.a.	1,900	130	480	2
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	990	30	96	1
12005	HRO C24-C40 w/Si Gel	n.a.	1,100	67	240	1

The reverse surrogate, capric acid, is present at <1%.

Sample Comments

State of Washington Lab Certification No. C457

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
13130	BTEX 8260C	SW-846 8260C	1	F191272AA	05/07/2019 18:35	Alexander D Sechrist	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F191272AA	05/07/2019 18:34	Alexander D Sechrist	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	19123A20A	05/04/2019 05:45	Marie D Beamenderfer	5
01146	GC VOA Water Prep	SW-846 5030C	1	19123A20A	05/04/2019 05:44	Marie D Beamenderfer	5
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	191230029A	05/07/2019 23:22	Heather E Williams	2
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	191230030A	05/09/2019 17:11	Heather E Williams	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	191230030A	05/05/2019 08:00	David S Schrum	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	191230029A	05/05/2019 08:00	David S Schrum	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-111-W-190427 Filtered Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Rd - Toledo, WA

Project Name: **211556**

Submittal Date/Time: 04/30/2019 10:00
Collection Date/Time: 04/27/2019 11:20

Chevron
ELLE Sample #: GW 1045973
ELLE Group #: 2041346
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals		**SW-846 6020B Rev.2, July 2014**	**ug/l**	**ug/l**	**ug/l**	
06035	Lead	7439-92-1	17.8	1.1	3.0	1

Sample Comments

State of Washington Lab Certification No. C457
This sample was filtered in the field for dissolved metals.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035	Lead	SW-846 6020B Rev.2, July 2014	1	191201404704A	05/16/2019 20:47	Bradley M Berlot	1
14047	ICPMS - Water, 3020A - U345	SW-846 3020A	1	191201404704	05/01/2019 06:04	James L Mertz	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-112-W-190427 Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Rd - Toledo, WA

Project Name: **211556**

Submittal Date/Time: 04/30/2019 10:00
Collection Date/Time: 04/27/2019 07:40

Chevron
ELLE Sample #: GW 1045974
ELLE Group #: 2041346
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		**ug/l**		**ug/l**	**ug/l**	
13130	Benzene	71-43-2	N.D.		0.2	1	1
13130	Ethylbenzene	100-41-4	N.D.		0.4	1	1
13130	Toluene	108-88-3	N.D.		0.2	1	1
13130	Xylene (Total)	1330-20-7	N.D.		1	5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	38	J	19	250	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	130		30	96	1
08271	Heavy Range Organics C24-C40	n.a.	98	J	67	240	1

Sample Comments

State of Washington Lab Certification No. C457

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
13130	BTEX 8260C	SW-846 8260C	1	F191272AA	05/07/2019 18:57	Alexander D Sechrist	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F191272AA	05/07/2019 18:56	Alexander D Sechrist	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	19122B20A	05/02/2019 21:08	Anastasia K Jaynes	1
01146	GC VOA Water Prep	SW-846 5030C	1	19122B20A	05/02/2019 21:07	Anastasia K Jaynes	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	191230029A	05/07/2019 21:55	Heather E Williams	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	191230029A	05/05/2019 08:00	David S Schrum	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-112-W-190427 Filtered Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Rd - Toledo, WA

Project Name: **211556**

Submittal Date/Time: 04/30/2019 10:00
Collection Date/Time: 04/27/2019 07:40

Chevron
ELLE Sample #: GW 1045975
ELLE Group #: 2041346
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals		**SW-846 6020B Rev.2, July 2014**	**ug/l**	**ug/l**	**ug/l**	
06035	Lead	7439-92-1	N.D.	1.1	3.0	1

Sample Comments

State of Washington Lab Certification No. C457
This sample was filtered in the field for dissolved metals.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035	Lead	SW-846 6020B Rev.2, July 2014	1	191201404704A	05/16/2019 20:40	Bradley M Berlot	1
14047	ICPMS - Water, 3020A - U345	SW-846 3020A	1	191201404704	05/01/2019 06:04	James L Mertz	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-113-W-190427 Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Rd - Toledo, WA

Chevron
ELLE Sample #: GW 1045976
ELLE Group #: 2041346
Matrix: Groundwater

Project Name: **211556**

Submittal Date/Time: 04/30/2019 10:00
Collection Date/Time: 04/27/2019 08:35

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		**ug/l**	**ug/l**	**ug/l**	
13130	Benzene	71-43-2	N.D.	0.2	1	1
13130	Ethylbenzene	100-41-4	N.D.	0.4	1	1
13130	Toluene	108-88-3	N.D.	0.2	1	1
13130	Xylene (Total)	1330-20-7	N.D.	1	5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	19	250	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	81 J	30	96	1
08271	Heavy Range Organics C24-C40	n.a.	130 J	67	240	1

Sample Comments

State of Washington Lab Certification No. C457

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
13130	BTEX 8260C	SW-846 8260C	1	F191272AA	05/07/2019 19:19	Alexander D Sechrist	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F191272AA	05/07/2019 19:18	Alexander D Sechrist	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	19122B20A	05/02/2019 21:31	Anastasia K Jaynes	1
01146	GC VOA Water Prep	SW-846 5030C	1	19122B20A	05/02/2019 21:30	Anastasia K Jaynes	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	191230029A	05/07/2019 22:17	Heather E Williams	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	191230029A	05/05/2019 08:00	David S Schrum	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-113-W-190427 Filtered Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Rd - Toledo, WA

Project Name: **211556**

Submittal Date/Time: 04/30/2019 10:00
Collection Date/Time: 04/27/2019 08:35

Chevron
ELLE Sample #: GW 1045977
ELLE Group #: 2041346
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals		**SW-846 6020B Rev.2, July 2014**	**ug/l**	**ug/l**	**ug/l**	
06035	Lead	7439-92-1	N.D.	1.1	3.0	1

Sample Comments

State of Washington Lab Certification No. C457
This sample was filtered in the field for dissolved metals.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035	Lead	SW-846 6020B Rev.2, July 2014	1	191201404704A	05/16/2019 20:37	Bradley M Berlot	1
14047	ICPMS - Water, 3020A - U345	SW-846 3020A	1	191201404704	05/01/2019 06:04	James L Mertz	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-114-W-190427 Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Rd - Toledo, WA

Project Name: **211556**

Submittal Date/Time: 04/30/2019 10:00
Collection Date/Time: 04/27/2019 10:25

Chevron
ELLE Sample #: GW 1045978
ELLE Group #: 2041346
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		**ug/l**	**ug/l**	**ug/l**	
13130	Benzene	71-43-2	N.D.	0.2	1	1
13130	Ethylbenzene	100-41-4	N.D.	0.4	1	1
13130	Toluene	108-88-3	N.D.	0.2	1	1
13130	Xylene (Total)	1330-20-7	N.D.	1	5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	19	250	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	99	29	95	1
08271	Heavy Range Organics C24-C40	n.a.	300	66	240	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	95	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	240	1

The reverse surrogate, capric acid, is present at <1%.

Sample Comments

State of Washington Lab Certification No. C457

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
13130	BTEX 8260C	SW-846 8260C	1	F191282AA	05/08/2019 19:47	Alexander D Sechrist	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F191282AA	05/08/2019 19:46	Alexander D Sechrist	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	19122B20A	05/02/2019 21:53	Anastasia K Jaynes	1
01146	GC VOA Water Prep	SW-846 5030C	1	19122B20A	05/02/2019 21:52	Anastasia K Jaynes	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	191230029A	05/07/2019 23:00	Heather E Williams	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	191230030A	05/09/2019 16:49	Heather E Williams	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	191230030A	05/05/2019 08:00	David S Schrum	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	191230029A	05/05/2019 08:00	David S Schrum	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-114-W-190427 Filtered Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Rd - Toledo, WA

Project Name: **211556**

Submittal Date/Time: 04/30/2019 10:00
Collection Date/Time: 04/27/2019 10:25

Chevron
ELLE Sample #: GW 1045979
ELLE Group #: 2041346
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals		**SW-846 6020B Rev.2, July 2014**	**ug/l**	**ug/l**	**ug/l**	
06035	Lead	7439-92-1	5.0	1.1	3.0	1

Sample Comments

State of Washington Lab Certification No. C457
This sample was filtered in the field for dissolved metals.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035	Lead	SW-846 6020B Rev.2, July 2014	1	191201404704A	05/16/2019 20:42	Bradley M Berlot	1
14047	ICPMS - Water, 3020A - U345	SW-846 3020A	1	191201404704	05/01/2019 06:04	James L Mertz	1

*=This limit was used in the evaluation of the final result

Sample Description: **B-1-W-190427 Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Rd - Toledo, WA

Project Name: **211556**

Submittal Date/Time: 04/30/2019 10:00
Collection Date/Time: 04/27/2019 07:55

Chevron
ELLE Sample #: GW 1045980
ELLE Group #: 2041346
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		**ug/l**	**ug/l**	**ug/l**	
13130	Benzene	71-43-2	N.D.	0.2	1	1
13130	Ethylbenzene	100-41-4	N.D.	0.4	1	1
13130	Toluene	108-88-3	N.D.	0.2	1	1
13130	Xylene (Total)	1330-20-7	N.D.	1	5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	19	250	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	32 J	29	95	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	240	1

Sample Comments

State of Washington Lab Certification No. C457

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
13130	BTEX 8260C	SW-846 8260C	1	F191282AA	05/08/2019 20:08	Alexander D Sechrist	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F191282AA	05/08/2019 20:07	Alexander D Sechrist	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	19122B20A	05/02/2019 22:15	Anastasia K Jaynes	1
01146	GC VOA Water Prep	SW-846 5030C	1	19122B20A	05/02/2019 22:14	Anastasia K Jaynes	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	191230029A	05/07/2019 22:38	Heather E Williams	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	191230029A	05/05/2019 08:00	David S Schrum	1

*=This limit was used in the evaluation of the final result

Sample Description: **B-1-W-190427 Filtered Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Rd - Toledo, WA

Project Name: **211556**

Submittal Date/Time: 04/30/2019 10:00
Collection Date/Time: 04/27/2019 07:55

Chevron
ELLE Sample #: GW 1045981
ELLE Group #: 2041346
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals		**SW-846 6020B Rev.2, July 2014**	**ug/l**	**ug/l**	**ug/l**	
06035	Lead	7439-92-1	N.D.	1.1	3.0	1

Sample Comments

State of Washington Lab Certification No. C457
This sample was filtered in the field for dissolved metals.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035	Lead	SW-846 6020B Rev.2, July 2014	1	191201404704A	05/16/2019 20:09	Bradley M Berlot	1
14047	ICPMS - Water, 3020A - U345	SW-846 3020A	1	191201404704	05/01/2019 06:04	James L Mertz	1

*=This limit was used in the evaluation of the final result

Sample Description: **B-2-W-190427 Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Rd - Toledo, WA

Project Name: **211556**

Submittal Date/Time: 04/30/2019 10:00
Collection Date/Time: 04/27/2019 08:50

Chevron
ELLE Sample #: GW 1045982
ELLE Group #: 2041346
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		**ug/l**	**ug/l**	**ug/l**	
13130	Benzene	71-43-2	N.D.	0.2	1	1
13130	Ethylbenzene	100-41-4	N.D.	0.4	1	1
13130	Toluene	108-88-3	N.D.	0.2	1	1
13130	Xylene (Total)	1330-20-7	N.D.	1	5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	19	250	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	31 J	29	94	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	240	1

Sample Comments

State of Washington Lab Certification No. C457

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
13130	BTEX 8260C	SW-846 8260C	1	F191282AA	05/08/2019 20:29	Alexander D Sechrist	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F191282AA	05/08/2019 20:28	Alexander D Sechrist	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	19122B20A	05/02/2019 22:37	Anastasia K Jaynes	1
01146	GC VOA Water Prep	SW-846 5030C	1	19122B20A	05/02/2019 22:36	Anastasia K Jaynes	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	191230036A	05/08/2019 12:07	Heather E Williams	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	191230036A	05/06/2019 09:20	David S Schrum	1

*=This limit was used in the evaluation of the final result

Sample Description: **B-2-W-190427 Filtered Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Rd - Toledo, WA

Project Name: **211556**

Submittal Date/Time: 04/30/2019 10:00
Collection Date/Time: 04/27/2019 08:50

Chevron
ELLE Sample #: GW 1045983
ELLE Group #: 2041346
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals		**SW-846 6020B Rev.2, July 2014**	**ug/l**	**ug/l**	**ug/l**	
06035	Lead	7439-92-1	N.D.	1.1	3.0	1

Sample Comments

State of Washington Lab Certification No. C457
This sample was filtered in the field for dissolved metals.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035	Lead	SW-846 6020B Rev.2, July 2014	1	191201404704A	05/16/2019 20:44	Bradley M Berlot	1
14047	ICPMS - Water, 3020A - U345	SW-846 3020A	1	191201404704	05/01/2019 06:04	James L Mertz	1

*=This limit was used in the evaluation of the final result

Sample Description: **B-3-W-190427 Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Rd - Toledo, WA

Project Name: **211556**

Submittal Date/Time: 04/30/2019 10:00
Collection Date/Time: 04/27/2019 10:40

Chevron
ELLE Sample #: GW 1045984
ELLE Group #: 2041346
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		**ug/l**	**ug/l**	**ug/l**	
13130	Benzene	71-43-2	N.D.	0.2	1	1
13130	Ethylbenzene	100-41-4	N.D.	0.4	1	1
13130	Toluene	108-88-3	N.D.	0.2	1	1
13130	Xylene (Total)	1330-20-7	N.D.	1	5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	19	250	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	150	29	95	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	240	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	95	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	240	1

The reverse surrogate, capric acid, is present at <1%.

Sample Comments

State of Washington Lab Certification No. C457

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
13130	BTEX 8260C	SW-846 8260C	1	F191282AA	05/08/2019 20:51	Alexander D Sechrist	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F191282AA	05/08/2019 20:50	Alexander D Sechrist	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	19122B20A	05/02/2019 22:59	Anastasia K Jaynes	1
01146	GC VOA Water Prep	SW-846 5030C	1	19122B20A	05/02/2019 22:58	Anastasia K Jaynes	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	191230034A	05/08/2019 03:22	Heather E Williams	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	191230035A	05/09/2019 19:01	Heather E Williams	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	191230035A	05/06/2019 09:20	David S Schrum	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	191230034A	05/06/2019 09:20	David S Schrum	1

*=This limit was used in the evaluation of the final result

Sample Description: **B-3-W-190427 Filtered Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Rd - Toledo, WA

Project Name: **211556**

Submittal Date/Time: 04/30/2019 10:00
Collection Date/Time: 04/27/2019 10:40

Chevron
ELLE Sample #: GW 1045985
ELLE Group #: 2041346
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals		**SW-846 6020B Rev.2, July 2014**	**ug/l**	**ug/l**	**ug/l**	
06035	Lead	7439-92-1	3.4	1.1	3.0	1

Sample Comments

State of Washington Lab Certification No. C457
This sample was filtered in the field for dissolved metals.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035	Lead	SW-846 6020B Rev.2, July 2014	1	191201404704A	05/16/2019 20:51	Bradley M Berlot	1
14047	ICPMS - Water, 3020A - U345	SW-846 3020A	1	191201404704	05/01/2019 06:04	James L Mertz	1

*=This limit was used in the evaluation of the final result

Sample Description: **B-4-W-190427 Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Rd - Toledo, WA

Project Name: **211556**

Submittal Date/Time: 04/30/2019 10:00
Collection Date/Time: 04/27/2019 09:45

Chevron
ELLE Sample #: GW 1045986
ELLE Group #: 2041346
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		**ug/l**	**ug/l**	**ug/l**	
13130	Benzene	71-43-2	N.D.	0.2	1	1
13130	Ethylbenzene	100-41-4	N.D.	0.4	1	1
13130	Toluene	108-88-3	N.D.	0.2	1	1
13130	Xylene (Total)	1330-20-7	N.D.	1	5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	940	19	250	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	150	30	97	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	68	240	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	90 J	30	97	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	68	240	1

The reverse surrogate, capric acid, is present at <1%.

Sample Comments

State of Washington Lab Certification No. C457

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
13130	BTEX 8260C	SW-846 8260C	1	F191282AA	05/08/2019 21:12	Alexander D Sechrist	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F191282AA	05/08/2019 21:11	Alexander D Sechrist	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	19122B20A	05/02/2019 23:22	Anastasia K Jaynes	1
01146	GC VOA Water Prep	SW-846 5030C	1	19122B20A	05/02/2019 23:21	Anastasia K Jaynes	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	191230034A	05/08/2019 03:44	Heather E Williams	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	191230035A	05/09/2019 21:56	Heather E Williams	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	191230035A	05/06/2019 09:20	David S Schrum	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	191230034A	05/06/2019 09:20	David S Schrum	1

*=This limit was used in the evaluation of the final result

Sample Description: **B-4-W-190427 Filtered Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Rd - Toledo, WA

Project Name: **211556**

Submittal Date/Time: 04/30/2019 10:00
Collection Date/Time: 04/27/2019 09:45

Chevron
ELLE Sample #: GW 1045987
ELLE Group #: 2041346
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals		**SW-846 6020B Rev.2, July 2014**	**ug/l**	**ug/l**	**ug/l**	
06035	Lead	7439-92-1	6.9	1.1	3.0	1

Sample Comments

State of Washington Lab Certification No. C457
This sample was filtered in the field for dissolved metals.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035	Lead	SW-846 6020B Rev.2, July 2014	1	191201404704A	05/16/2019 20:54	Bradley M Berlot	1
14047	ICPMS - Water, 3020A - U345	SW-846 3020A	1	191201404704	05/01/2019 06:04	James L Mertz	1

*=This limit was used in the evaluation of the final result

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Quality Control Summary

Client Name: Chevron
Reported: 05/23/2019 19:17

Group Number: 2041346

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	MDL**	LOQ
	ug/l	ug/l	ug/l
Batch number: F191262AA	Sample number(s): 1045969-1045970		
Benzene	N.D.	0.2	1
Ethylbenzene	N.D.	0.4	1
Toluene	N.D.	0.2	1
Xylene (Total)	N.D.	1	5
Batch number: F191272AA	Sample number(s): 1045972,1045974,1045976		
Benzene	N.D.	0.2	1
Ethylbenzene	N.D.	0.4	1
Toluene	N.D.	0.2	1
Xylene (Total)	N.D.	1	5
Batch number: F191282AA	Sample number(s): 1045978,1045980,1045982,1045984,1045986		
Benzene	N.D.	0.2	1
Ethylbenzene	N.D.	0.4	1
Toluene	N.D.	0.2	1
Xylene (Total)	N.D.	1	5
Batch number: 19122B20A	Sample number(s): 1045969-1045970,1045974,1045976,1045978,1045980,1045982,1045984,1045986		
NWTPH-Gx water C7-C12	N.D.	19	250
Batch number: 19123A20A	Sample number(s): 1045972		
NWTPH-Gx water C7-C12	N.D.	19	250
Batch number: 191230029A	Sample number(s): 1045970,1045972,1045974,1045976,1045978,1045980		
Diesel Range Organics C12-C24	N.D.	31	100
Heavy Range Organics C24-C40	N.D.	70	250
Batch number: 191230034A	Sample number(s): 1045984,1045986		
Diesel Range Organics C12-C24	N.D.	31	100
Heavy Range Organics C24-C40	N.D.	70	250
Batch number: 191230036A	Sample number(s): 1045982		
Diesel Range Organics C12-C24	N.D.	31	100
Heavy Range Organics C24-C40	N.D.	70	250
Batch number: 191230030A	Sample number(s): 1045970,1045972,1045978		
DRO C12-C24 w/Si Gel	N.D.	31	100
HRO C24-C40 w/Si Gel	N.D.	70	250
Batch number: 191230035A	Sample number(s): 1045984,1045986		
DRO C12-C24 w/Si Gel	N.D.	31	100
HRO C24-C40 w/Si Gel	N.D.	70	250

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron
Reported: 05/23/2019 19:17

Group Number: 2041346

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/l	ug/l	ug/l
Batch number: 191201404704A	Sample number(s): 1045971,1045973,1045975,1045977,1045979,1045981,1045983,1045985,1045987		
Lead	N.D.	1.1	3.0

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: F191262AA	Sample number(s): 1045969-1045970								
Benzene	20	20.79	20	20.22	104	101	80-120	3	30
Ethylbenzene	20	20.23	20	19.52	101	98	80-120	4	30
Toluene	20	21.2	20	20.63	106	103	80-120	3	30
Xylene (Total)	60	61.01	60	58.74	102	98	80-120	4	30
Batch number: F191272AA	Sample number(s): 1045972,1045974,1045976								
Benzene	20	20.35	20	19.88	102	99	80-120	2	30
Ethylbenzene	20	19.91	20	19.78	100	99	80-120	1	30
Toluene	20	20.8	20	20.35	104	102	80-120	2	30
Xylene (Total)	60	59.71	60	59.33	100	99	80-120	1	30
Batch number: F191282AA	Sample number(s): 1045978,1045980,1045982,1045984,1045986								
Benzene	20	22.18	20	21.86	111	109	80-120	1	30
Ethylbenzene	20	22.16	20	21.06	111	105	80-120	5	30
Toluene	20	22.58	20	21.83	113	109	80-120	3	30
Xylene (Total)	60	65.7	60	64.02	109	107	80-120	3	30
	ug/l	ug/l	ug/l	ug/l					
Batch number: 19122B20A	Sample number(s): 1045969-1045970,1045974,1045976,1045978,1045980,1045982,1045984,1045986								
NWTPH-Gx water C7-C12	1100	1126.63	1100	1167.67	102	106	64-131	4	30
Batch number: 19123A20A	Sample number(s): 1045972								
NWTPH-Gx water C7-C12	1100	1142.22	1100	1147.1	104	104	64-131	0	30
	ug/l	ug/l	ug/l	ug/l					
Batch number: 191230029A	Sample number(s): 1045970,1045972,1045974,1045976,1045978,1045980								
Diesel Range Organics C12-C24	1602.59	1216.65	1602.59	1231.66	76	77	50-113	1	20
Batch number: 191230034A	Sample number(s): 1045984,1045986								
Diesel Range Organics C12-C24	1602.59	1147.5	1602.59	839.44	72	52	50-113	31*	20
Batch number: 191230036A	Sample number(s): 1045982								
Diesel Range Organics C12-C24	1602.59	867.1	1602.59	974.77	54	61	50-113	12	20
	ug/l	ug/l	ug/l	ug/l					

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron
Reported: 05/23/2019 19:17

Group Number: 2041346

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 191230030A	Sample number(s): 1045970,1045972,1045978								
DRO C12-C24 w/Si Gel	1602.59	1095.82	1602.59	1025.35	68	64	32-117	7	20
Batch number: 191230035A	Sample number(s): 1045984,1045986								
DRO C12-C24 w/Si Gel	1602.59	917.91	1602.59	657.07	57	41	32-117	33*	20
	ug/l	ug/l	ug/l	ug/l					
Batch number: 191201404704A	Sample number(s): 1045971,1045973,1045975,1045977,1045979,1045981,1045983,1045985,1045987								
Lead	15	15.65			104		90-110		

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 191201404704A	Sample number(s): 1045971,1045973,1045975,1045977,1045979,1045981,1045983,1045985,1045987 UNSPK: 1045981									
Lead	N.D.	15	15.8	15	16.28	105	109	75-125	3	20

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc ug/l	DUP Conc ug/l	DUP RPD	DUP RPD Max
Batch number: 191201404704A	Sample number(s): 1045971,1045973,1045975,1045977,1045979,1045981,1045983,1045985,1045987 BKG: 1045981			
Lead	N.D.	N.D.	0 (1)	20

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

*- Outside of specification
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(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron
Reported: 05/23/2019 19:17

Group Number: 2041346

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX 8260C
Batch number: F191262AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
1045969	90	96	103	98
1045970	91	98	103	100
Blank	91	100	104	99
LCS	89	99	105	99
LCSD	90	97	103	99
Limits:	80-120	80-120	80-120	80-120

Analysis Name: BTEX 8260C
Batch number: F191272AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
1045972	92	93	103	104
1045974	93	98	102	97
1045976	92	97	103	99
Blank	91	97	101	97
LCS	91	98	102	98
LCSD	91	97	103	100
Limits:	80-120	80-120	80-120	80-120

Analysis Name: BTEX 8260C
Batch number: F191282AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
1045978	97	98	102	96
1045980	98	97	104	96
1045982	98	97	102	96
1045984	98	98	103	96
1045986	96	97	103	100
Blank	98	99	103	95
LCS	98	99	103	98
LCSD	96	100	102	98
Limits:	80-120	80-120	80-120	80-120

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 19122B20A

	Trifluorotoluene-F
1045969	83
1045970	84
1045974	80
1045976	83
1045978	83

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(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron
Reported: 05/23/2019 19:17

Group Number: 2041346

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 19122B20A

	Trifluorotoluene-F
1045980	83
1045982	83
1045984	83
1045986	85
Blank	81
LCS	90
LCSD	91
Limits:	50-150

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 19123A20A

	Trifluorotoluene-F
1045972	83
Blank	83
LCS	89
LCSD	91
Limits:	50-150

Analysis Name: NWTPH-Dx water
Batch number: 191230029A

	Orthoterphenyl
1045970	86
1045972	98
1045974	81
1045976	89
1045978	80
1045980	88
Blank	86
LCS	89
LCSD	87
Limits:	50-150

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 191230030A

	Orthoterphenyl
1045970	74
1045972	79
1045978	72
Blank	72

*- Outside of specification
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(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron
Reported: 05/23/2019 19:17

Group Number: 2041346

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 191230030A

	Orthoterphenyl
LCS	87
LCSD	84
Limits:	50-150

Analysis Name: NWTPH-Dx water
Batch number: 191230034A

	Orthoterphenyl
1045984	84
1045986	60
Blank	89
LCS	91
LCSD	68
Limits:	50-150

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 191230035A

	Orthoterphenyl
1045984	73
1045986	53
Blank	79
LCS	83
LCSD	59
Limits:	50-150

Analysis Name: NWTPH-Dx water
Batch number: 191230036A

	Orthoterphenyl
1045982	81
Blank	84
LCS	70
LCSD	79
Limits:	50-150

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Chevron Northwest Region Analysis Request/Chain of Custody

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Acct. # 11260 For Eurofins Lancaster Laboratories use only Group # 2041346 Sample # 1045969-87
Instructions on reverse side correspond with circled numbers.

SCR #: _____

1 Client Information

Facility # SS#211556-OML G-R#17156773 WBS

Site Address 101 Mulford Road, TOLEDO, WA

Chevron PM EH LEIDOSRS Lead Consultant Russell Shropshire

Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568

Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com)

Consultant Phone # (925) 551-7444 x180

Sampler AW / GM

4 Matrix

Soil ☐ Sediment ☐ Water ☒ Potable ☐ Ground ☐ NPDES ☐ Surface ☐ Oil ☐ Air ☐

5 Analyses Requested

2 Sample Identification	Collected Date	Collected Time	3 Grab	Composite	Total Number of Containers	BTEX	Naphth	8260	8021	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA EPH	WA VPH	Lead Total	Lead Diss. Method 6020 Filtered
QA	190427		X		2	X						X						
MW-109	190427	0930	X		9	X						X	X	X				X
MW-111	190427	1120	X		9	X						X	X	X				X
MW-112	190427	0740	X		9	X						X		X				X
MW-113	190427	0835	X		9	X						X		X				X
MW-114	190427	1025	X		9	X						X	X	X				X
B-1	190427	0755	X		9	X						X		X				X
B-2	190427	0850	X		9	X						X		X				X
B-3	190427	1040	X		9	X						X	X	X				X
B-4	190427	0945	X		9	X						X	X	X				X

- ☐ Results in Dry Weight
- ☐ J value reporting needed
- ☐ Must meet lowest detection limits possible for 8260 compounds
- ☐ 8021 MTBE Confirmation
- ☐ Confirm MTBE + Naphthalene
- ☐ Confirm highest hit by 8260
- ☐ Confirm all hits by 8260
- ☐ Run _____ oxy's on highest hit
- ☐ Run _____ oxy's on all hits

6 Remarks

Please report results for Dx with & without sgc. TPWHD-1 Dissolved Lead sample to be filtered by the lab; all other Dissolved Lead samples to be field filtered.

Please forward lab results directly to the LC and cc: G-R. The TPW sample results should be forwarded directly to Deanna Harding

7 Turnaround Time Requested (TAT) (please circle)

Standard | 5 day | 4 day | EDF/EDD | 72 hour | 48 hour | 24 hour

Relinquished by	Date	Time	Received by	Date	Time
	190429	1600			
Relinquished by	Date	Time	Received by	Date	Time

8 Data Package (circle if required)

Type I - Full

Type VI (Raw Data)

EDD (circle if required)

CVX-RTBU-FI_05 (default)

Other: _____

Relinquished by Commercial Carrier: UPS _____ FedEx X Other _____

Temperature Upon Receipt 0.5-3.3 °C

Received by	Date	Time
	4-30-19	600

Custody Seals Intact? (Yes) No

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Sample Administration Receipt Documentation Log

Doc Log ID: 247621

Group Number(s): 2041346

Client: Gettler Ryan

Delivery and Receipt Information

Delivery Method:	Fed Ex	Arrival Timestamp:	04/30/2019 10:00
Number of Packages:	7	Number of Projects:	6
State/Province of Origin:	WA		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	Yes
Samples Chilled:	Yes	VOA IDs (≥ 6mm):	QA (1/2)
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	2
Samples Intact:	Yes	Trip Blank Type:	HCl
Missing Samples:	No	Air Quality Samples Present:	No
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Melvin Sanchez (8943) at 15:43 on 04/30/2019

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	3.3	DT	Wet	Y	Bagged	N
2	DT131	1.4	DT	Wet	Y	Bagged	N
3	DT131	1.9	DT	Wet	Y	Bagged	N
4	DT131	1.5	DT	Wet	Y	Bagged	N
5	DT131	2.2	DT	Wet	Y	Bagged	N
6	DT131	0.5	DT	Wet	Y	Bagged	N
7	DT131	1.0	DT	Wet	Y	Bagged	N

General Comments: Received Metals Batch QC for sample B-1

2425 New Holland Pike
Lancaster, PA 17605-2425
T 717-656-2300
F 717-656-2681
www.LancasterLabs.co

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mL**	milliliter(s)
C	degrees Celsius	**MPN**	Most Probable Number
cfu	colony forming units	**N.D.**	non-detect
CP Units	cobalt-chloroplatinate units	**ng**	nanogram(s)
F	degrees Fahrenheit	**NTU**	nephelometric turbidity units
g	gram(s)	**pg/L**	picogram/liter
IU	International Units	**RL**	Reporting Limit
kg	kilogram(s)	**TNTC**	Too Numerous To Count
L	liter(s)	**µg**	microgram(s)
lb.	pound(s)	**µL**	microliter(s)
m3	cubic meter(s)	**umhos/cm**	micromhos/cm
meq	milliequivalents	**MCL**	Maximum Contamination Limit
mg	milligram(s)		

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is ND
K2	Continuing Calibration Blank is above the QC limit and the sample result is ND
K3	Initial Calibration Verification is above the QC limit and the sample result is ND
K4	Continuing Calibration Verification is above the QC limit and the sample result is ND
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
P^	Concentration difference between the primary and confirmation column > 40%. The higher result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.