April 25, 2019

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

Subject: **Second Semiannual 2018 Groundwater Monitoring Report**
Cowlitz BP / Cowlitz Food and Fuel /
Former Texaco Service Station No. 211556
101 Mulford Road
Toledo, Washington

Dear Mr. Acklam:

Leidos, Inc. (Leidos), on behalf of Chevron Environmental Management Company (CEMC), prepared this report summarizing the second semiannual 2018 groundwater monitoring event at the above-referenced site (the Site) in Toledo, Washington (Figure 1). Groundwater monitoring at the Site is being performed pursuant to the terms and conditions of Agreed Order No. DE5236.

FIELD ACTIVITIES

Gettler-Ryan, Inc. (Gettler-Ryan) conducted the groundwater monitoring field event on November 11 and 12, 2018. Gettler-Ryan measured depth-to-groundwater and checked for the presence of light non-aqueous phase liquid (LNAPL) in 16 monitoring wells at the Site. Monitoring well MW-114 was not located during this event. Groundwater samples were collected from 8 monitoring wells using low-flow purging and sampling techniques. Samples were submitted to Eurofins Lancaster Laboratories, Inc. for the following analyses:

- Total petroleum hydrocarbons (TPH) as gasoline-range organics (TPH-GRO) by Washington State Department of Ecology (Ecology) Method NWTPH-Gx;
- TPH as diesel-range organics (TPH-DRO) and heavy oil-range organics (TPH-HRO) by Ecology Method NWTPH-Dx;
- TPH-DRO and TPH-HRO by Ecology Method NWTPH-Dx with silica-gel cleanup;

- Benzene, toluene, ethylbenzene, and total xylenes (BTEX), by United States Environmental Protection Agency (USEPA) Method 8260B; and
- Dissolved lead by USEPA Method 6020.

Purge water generated during this sampling event was treated at the Site by Gettler-Ryan using an activated carbon filtration system. A sample of the treated water (TPWHD-W-181112) 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.

Field data sheets are provided in the Gettler-Ryan groundwater monitoring and sampling data package, which is included as Attachment A.

FINDINGS

During this event, the groundwater elevation across the Site ranged from 100.36 feet in monitoring well B-2 to 98.52 feet in monitoring well MW-116 (relative to the North American Vertical Datum of 1988). Groundwater elevation data from this event indicate that groundwater flow was toward the southeast at a gradient of approximately 0.01 to 0.007 feet per foot (Figure 2). Groundwater elevations at the Site decreased an average of 0.08 feet since the previous monitoring event in May 2018.

LNAPL was not detected in any of the wells monitored.

The following analytes were detected at concentrations exceeding their respective Model Toxics Control Act (MTCA) Method A cleanup levels:

- TPH-GRO in monitoring wells MW-111, B-3, and B-4;
- TPH-DRO (analyzed without silica-gel cleanup) in monitoring wells MW-111 and B-3; and
- Dissolved lead in monitoring well MW-111.

Current and historical groundwater monitoring data and laboratory analytical results are summarized in Table 1 and on Figure 3. Results of the purge-water sample analysis for sample TPWHD-W-181112 were non-detect for all requested analyses.

Laboratory analysis reports are provided as Attachment B.

DISCUSSION

Groundwater monitoring results from this event are consistent with historical data for the Site. Long-term sampling results indicate that groundwater conditions throughout much of the Site are in compliance with MTCA Method A cleanup levels. However, dissolved-phase petroleum constituents continue to be present above Method A cleanup level in monitoring wells B-3, B-4, and MW-111, which are located in close proximity and immediately downgradient of the operating dispenser islands and UST basin.

Groundwater monitoring at this Site will continue to be conducted by Gettler-Ryan on a semiannual basis, with the next monitoring event scheduled for May 2019. Future groundwater reporting for this Site will be managed by Arcadis, on behalf of CEMC.

If you have any questions or comments regarding the information presented in this report, please contact me at (425) 482-3323 or via email at russell.s.shropshire@leidos.com.

Sincerely,

Leidos, Inc.

Russell S. Shropshire, PE
Principal Engineer

Enclosures:
Figure 1 – Vicinity Map
Figure 2 – Potentiometric Map
Figure 3 – Groundwater Analytical Results
Table 1 – Groundwater Monitoring Data and Analytical Results
Attachment A – Groundwater Monitoring and Sampling Data Package
Attachment B – Laboratory Analysis Report

cc: Mr. Eric Hetrick – CEMC
Mr. Charles Vineyard – Property owner
Mr. Christopher Dotson - Arcadis
Project File

REPORT LIMITATIONS

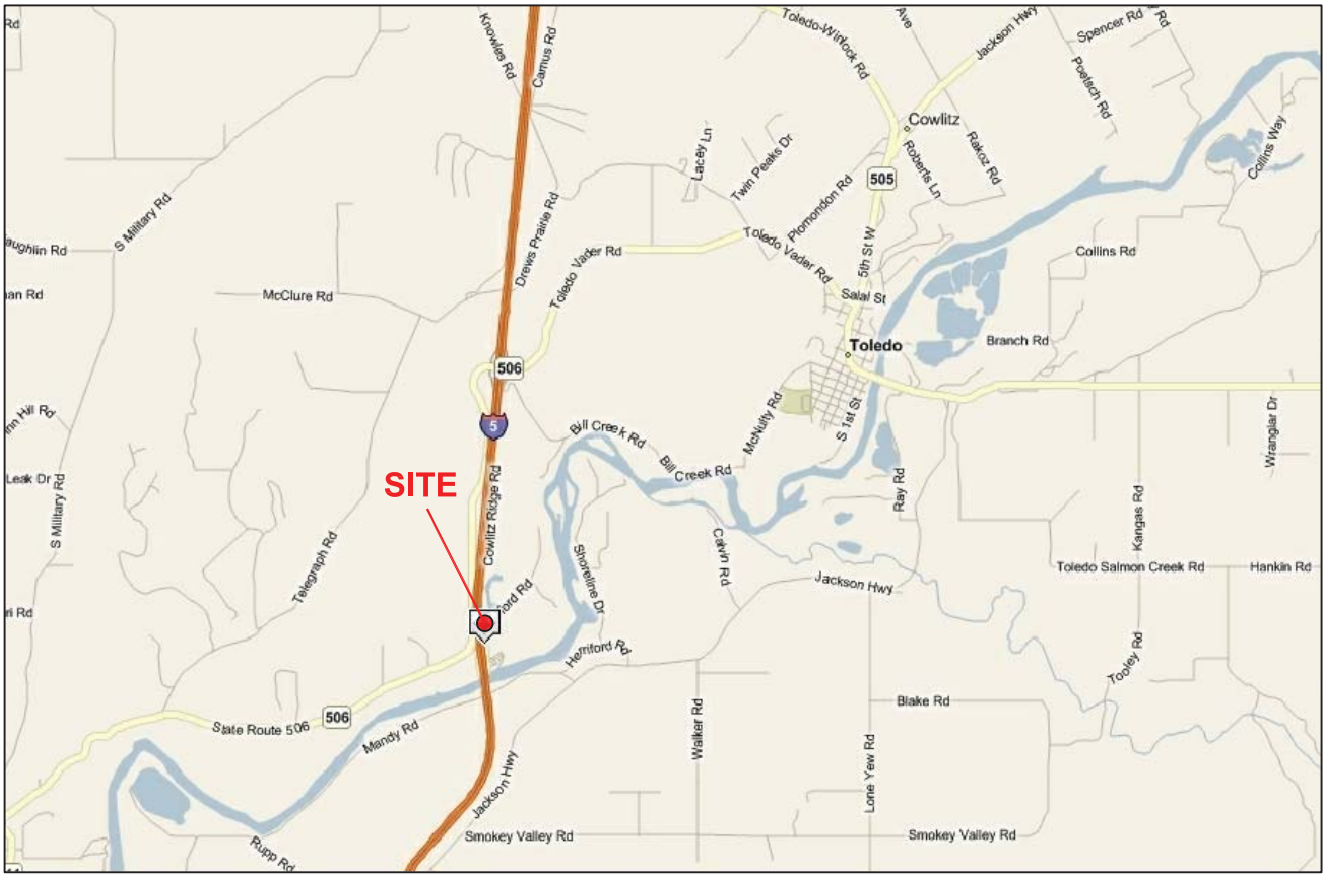
This technical document was prepared on behalf of CEMC and is intended for its sole use and for use by the local, state, or federal regulatory agency that the technical document was sent to by Leidos. Any other person or entity obtaining, using, or relying on this technical document hereby acknowledges that they do so at their own risk, and Leidos shall have no responsibility or liability for the consequences thereof.

Site history and background information provided in this technical document are based on sources that may include interviews with environmental regulatory agencies and property management personnel and a review of acquired environmental regulatory agency documents and property information obtained from CEMC and others. Leidos has not made, nor has it been asked to make, any independent investigation concerning the accuracy, reliability, or completeness of such information beyond that described in this technical document.

Recognizing reasonable limits of time and cost, this technical document cannot wholly eliminate uncertainty regarding the vertical and lateral extent of impacted environmental media.

Opinions and recommendations presented in this technical document apply only to site conditions and features as they existed at the time of Leidos site visits or site work and cannot be applied to conditions and features of which Leidos is unaware and has not had the opportunity to evaluate.

All sources of information on which Leidos has relied in making its conclusions (including direct field observations) are identified by reference in this technical document or in appendices attached to this technical document. Any information not listed by reference or in appendices has not been evaluated or relied on by Leidos in the context of this technical document. The conclusions, therefore, represent our professional opinion based on the identified sources of information.



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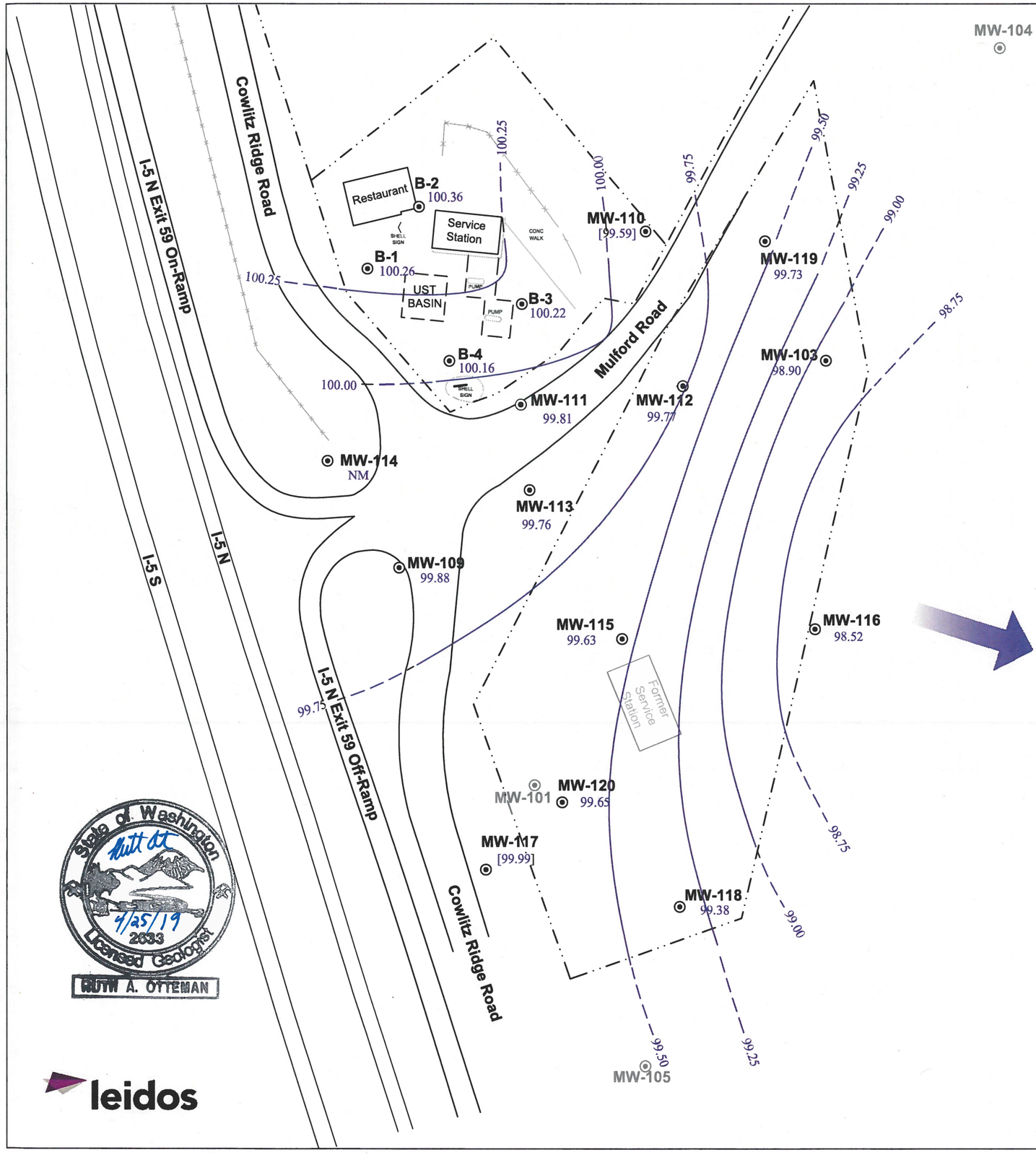
Former Texaco Service Station No. 211556
101 Mulford Road
Toledo, Washington

FIGURE 1
Vicinity Map

DATE: 2/21/2014 | DRAWING: 211556_VM.dwg



LEGEND

MW-114 ◉	Monitoring Well Location
MW-101 ◉	Former Monitoring Well Location Decommissioned October 2010
——·——·——	Property Boundary
——×——×——	Fence
———	Current Site Features
———	Former Station Facilities
UST	Underground Storage Tank
98.52	Groundwater Elevation in Feet
100.00	Groundwater Elevation Contour at 0.25-Foot Interval
[99.99]	Groundwater Elevation Not Used in Contour Map
NM	Not Measured (Monitoring Well Could Not Be Located at Time of Monitoring Event)
◀	Approximate Groundwater Flow Direction at a Gradient of 0.01 to 0.007 Feet per Foot

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101 Mulford Road
Toledo, Washington

FIGURE 2
Potentiometric Map
November 11, 2018

DATE: 4/24/2019 | DRAWING: Site Map_2018.dwg

B-1

Date	5/14/2017	11/11/2017	5/11/2018	11/12/2018
GRO	<50	<50	<50	<19
DRO	--	--	--	--
DRO*	<28	<28	<28	30
HRO	--	--	--	--
HRO*	<66	<66	<66	<66
Benzene	<0.5	<0.5	<0.5	<0.2
Toluene	<0.5	<0.5	<0.5	<0.2
Ethylbenzene	<0.5	<0.5	<0.5	<0.4
Total Xylenes	<0.5	<0.5	<0.5	<1

B-2

Date	5/14/2017	11/11/2017	5/11/2018	11/12/2018
GRO	<50	<50	<50	<19
DRO	--	--	--	--
DRO*	<28	<29	<28	<29
HRO	--	--	--	--
HRO*	<66	<67	<66	<67
Benzene	<0.5	<0.5	<0.5	<0.2
Toluene	<0.5	<0.5	<0.5	<0.2
Ethylbenzene	<0.5	<0.5	<0.5	<0.4
Total Xylenes	<0.5	<0.5	<0.5	<1

B-4

Date	5/14/2017	11/12/2017	5/11/2018	11/12/2018
GRO	**2,000**	**3,600**	**1,700**	**1,600**
DRO	**520**	180	35	110
DRO*	**1,200**	**650**	120	230
HRO	**1,100**	260	66	150
HRO*	**2,500**	**700**	210	330
Benzene	<0.5	4	<0.5	<0.2
Toluene	<0.5	<0.5	<0.5	<0.2
Ethylbenzene	<0.5	1	<0.5	<0.4
Total Xylenes	<0.5	<0.5	<0.5	<1

MW-110

Date	5/14/2017	11/11/2017	5/11/2018	11/11/2018
GRO	NS	NS	NS	NS
DRO	NS	NS	NS	NS
DRO*	NS	NS	NS	NS
HRO	NS	NS	NS	NS
HRO*	NS	NS	NS	NS
Benzene	NS	NS	NS	NS
Toluene	NS	NS	NS	NS
Ethylbenzene	NS	NS	NS	NS
Total Xylenes	NS	NS	NS	NS

MW-119

Date	5/14/2017	11/11/2017	5/11/2018	11/11/2018
GRO	NS	NS	NS	NS
DRO	NS	NS	NS	NS
DRO*	NS	NS	NS	NS
HRO	NS	NS	NS	NS
HRO*	NS	NS	NS	NS
Benzene	NS	NS	NS	NS
Toluene	NS	NS	NS	NS
Ethylbenzene	NS	NS	NS	NS
Total Xylenes	NS	NS	NS	NS

B-3

Date	5/14/2017	11/12/2017	5/11/2018	11/12/2018
GRO	230	**860**	**900**	**2,100**
DRO	<28	32	33	180
DRO*	92	270	82	**2,800**
HRO	<66	<67	<67	<66
HRO*	<66	<67	68	370
Benzene	<0.5	3	<0.5	0.9
Toluene	<0.5	<0.5	<0.5	0.3
Ethylbenzene	1	2	5	5
Total Xylenes	<0.5	<0.5	<0.5	<1

MW-103

Date	5/14/2017	11/11/2017	5/11/2018	11/11/2018
GRO	NS	NS	NS	NS
DRO	NS	NS	NS	NS
DRO*	NS	NS	NS	NS
HRO	NS	NS	NS	NS
HRO*	NS	NS	NS	NS
Benzene	NS	NS	NS	NS
Toluene	NS	NS	NS	NS
Ethylbenzene	NS	NS	NS	NS
Total Xylenes	NS	NS	NS	NS

MW-112

Date	5/14/2017	11/11/2017	5/11/2018	11/11/2018
GRO	150	95	<50	<19
DRO	--	--	--	--
DRO*	<28	<28	59	<28
HRO	--	--	--	--
HRO*	<66	<66	<66	<66
Benzene	<0.5	<0.5	<0.5	<0.2
Toluene	<0.5	<0.5	<0.5	<0.2
Ethylbenzene	<0.5	<0.5	<0.5	<0.4
Total Xylenes	<0.5	<0.5	<0.5	<1

MW-114

Date	5/14/2017	11/12/2017	5/11/2018	11/11/2018
GRO	<50	<50	<50	NS
DRO	38	<28	<28	NS
DRO*	42	61	29	NS
HRO	280	<66	98	NS
HRO*	<67	320	230	NS
Benzene	<0.5	<0.5	<0.5	NS
Toluene	<0.5	<0.5	<0.5	NS
Ethylbenzene	<0.5	<0.5	<0.5	NS
Total Xylenes	<0.5	<0.5	<0.5	NS

MW-109

Date	5/14/2017	11/12/2017	5/11/2018	11/11/2018
GRO	<50	<50	<50	<19
DRO	<28	<30	31	<28
DRO*	45	<30	<28	40
HRO	<66	<70	<66	96
HRO*	260	<70	<66	260
Benzene	<0.5	<0.5	<0.5	<0.2
Toluene	<0.5	<0.5	<0.5	<0.2
Ethylbenzene	<0.5	<0.5	<0.5	<0.4
Total Xylenes	<0.5	<0.5	<0.5	<1

MW-111

Date	5/14/2017	11/11/2017	5/11/2018	11/12/2018
GRO	**9,200**	NS	**6,600**	**4,000**
DRO	490	NS	440	300
DRO*	**1,200**	NS	**1,400**	**3,300**
HRO	**630**	NS	400	<68
HRO*	**1,400**	NS	**970**	320
Benzene	0.8	NS	**14**	3
Toluene	<0.5	NS	2	0.6
Ethylbenzene	46	NS	45	33
Total Xylenes	3	NS	3	3

MW-115

Date	5/14/2017	11/11/2017	5/11/2018	11/11/2018
GRO	NS	NS	NS	NS
DRO	NS	NS	NS	NS
DRO*	NS	NS	NS	NS
HRO	NS	NS	NS	NS
HRO*	NS	NS	NS	NS
Benzene	NS	NS	NS	NS
Toluene	NS	NS	NS	NS
Ethylbenzene	NS	NS	NS	NS
Total Xylenes	NS	NS	NS	NS

MW-116

Date	5/14/2017	11/11/2017	5/11/2018	11/11/2018
GRO	NS	NS	NS	NS
DRO	NS	NS	NS	NS
DRO*	NS	NS	NS	NS
HRO	NS	NS	NS	NS
HRO*	NS	NS	NS	NS
Benzene	NS	NS	NS	NS
Toluene	NS	NS	NS	NS
Ethylbenzene	NS	NS	NS	NS
Total Xylenes	NS	NS	NS	NS

MW-120

Date	5/14/2017	11/11/2017	5/11/2018	11/11/2018
GRO	NS	NS	NS	NS
DRO	NS	NS	NS	NS
DRO*	NS	NS	NS	NS
HRO	NS	NS	NS	NS
HRO*	NS	NS	NS	NS
Benzene	NS	NS	NS	NS
Toluene	NS	NS	NS	NS
Ethylbenzene	NS	NS	NS	NS
Total Xylenes	NS	NS	NS	NS

MW-113

Date	5/14/2017	11/11/2017	5/11/2018	11/11/2018
GRO	<50	<50	<50	<19
DRO	--	--	--	--
DRO*	<28	<28	<28	<28
HRO	--	--	--	--
HRO*	<66	<66	<66	<65
Benzene	<0.5	<0.5	<0.5	<0.2
Toluene	<0.5	<0.5	<0.5	<0.2
Ethylbenzene	<0.5	<0.5	<0.5	<0.4
Total Xylenes	<0.5	<0.5	<0.5	<1

MW-117

Date	5/14/2017	11/11/2017	5/11/2018	11/11/2018
GRO	NS	NS	NS	NS
DRO	NS	NS	NS	NS
DRO*	NS	NS	NS	NS
HRO	NS	NS	NS	NS
HRO*	NS	NS	NS	NS
Benzene	NS	NS	NS	NS
Toluene	NS	NS	NS	NS
Ethylbenzene	NS	NS	NS	NS
Total Xylenes	NS	NS	NS	NS

MW-118

Date	5/14/2017	11/11/2017	5/11/2018	11/11/2018
GRO	NS	NS	NS	NS
DRO	NS	NS	NS	NS
DRO*	NS	NS	NS	NS
HRO	NS	NS	NS	NS
HRO*	NS	NS	NS	NS
Benzene	NS	NS	NS	NS
Toluene	NS	NS	NS	NS
Ethylbenzene	NS	NS	NS	NS
Total Xylenes	NS	NS	NS	NS

N

0 80'

Scale in Feet

LEGEND:

MW-114	Monitoring Well Location
MW-101	Former Monitoring Well Location
	Property Boundary
	Fence
	Current Site Features
	Former Station Facilities
UST	Underground Storage Tank
	Estimated Horizontal Extent of Groundwater Containing Petroleum Hydrocarbon Contamination Above MTCA Method A Cleanup Levels
<0.5	Laboratory Analytical Result Less Than The Achievable Method Detection Limit
1	Laboratory Analytical Result Less Than The MTCA Method A Cleanup Level
5,500	Laboratory Analytical Result In Excess of the MTCA Method A Cleanup Level
NS	Not Sampled
--	Not Analyzed
*	Analyzed without Silica Gel Cleanup
	All Concentration Data Reported in Micrograms per Liter

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

FIGURE 3
Groundwater Analytical Results -
May 2017 through November 2018

DATE: 4/24/2018 | DRAWING: Site Map_2018.dwg

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-103															
2/14/91		107.81	--	8.08	--	99.73	--	--	--	--	--	--	--	--	--
2/18/92		107.81	--	8.08	--	99.73	--	--	--	--	--	--	--	--	--
3/9/92		107.81	--	7.80	--	100.01	--	<50	--	--	--	--	--	--	--
3/13/92		107.81	--	8.08	--	99.73	<250	<250	<50	--	--	--	--	--	--
4/21/92		107.81	--	7.78	--	100.03	--	--	<50	--	--	--	--	--	--
3/3/94		107.81	--	--	--	--	<250	<250	<50	<13	--	--	--	--	--
6/13/95		107.81	--	8.55	--	99.26	<250	<250	<50	--	--	--	--	--	<3.0
8/22/95		107.81	--	--	--	--	<250	<250	<50	--	--	--	--	--	<2.0
8/23/95		107.81	--	8.91	--	98.90	<250	<250	<50	--	--	--	--	--	<2.0
11/28/95		107.81	--	7.30	--	100.51	<250	<250	<50	--	--	--	--	--	<2.0
3/12/96		107.81	--	8.03	--	99.78	<250	<250	<50	--	--	--	--	--	<2.0
6/26/96		107.81	--	8.67	--	99.14	<250	<250	<50	--	--	--	--	--	<2.0
10/9/96		107.81	--	8.82	--	98.99	<250	<250	<50	--	--	--	--	--	<2.0
2/12/97		107.81	--	7.81	--	100.00	<250	<250	<50	--	--	--	--	--	<2.0
4/22/97		107.81	--	7.42	--	100.39	<250	<250	<50	--	--	--	--	--	<2.0
8/5/97		107.81	--	8.83	--	98.98	257	110	257	--	--	--	--	--	<2.0
11/11/97		107.81	--	9.01	--	98.80	<250	<250	<50	--	--	--	--	--	<2.0
2/11/98		107.81	--	8.03	--	99.78	<250	<250	<50	--	--	--	--	--	<2.0
5/28/98		107.81	--	8.17	--	99.64	<250	<250	<50	--	--	--	--	--	2.84
8/20/98		107.81	--	9.21	--	98.60	<250	<250	<50	--	--	--	--	--	<1.0
11/19/98		107.81	--	9.03	--	98.78	<250	<250	<50	--	--	--	--	--	<1.0
3/11/99		107.81	--	7.51	--	100.30	<250	<250	<50	--	--	--	--	--	<1.0
5/25/99		107.81	--	8.51	--	99.30	<250	<250	<50	--	--	--	--	--	--
8/17/99		107.81	--	8.93	--	98.88	<250	<250	<50	--	--	--	--	--	<1.0
11/19/99		107.81	--	7.18	--	100.63	<250	<250	<80	--	--	--	--	--	<1.0
3/9/00		107.81	--	7.48	--	100.33	<250	<250	<80	--	--	--	--	--	<1.0
6/13/00		107.81	--	8.29	--	99.52	<250	<250	<80	--	--	--	--	--	<1.0
9/26/00		107.81	--	9.05	--	98.76	<250	<250	--	--	--	--	--	--	<1.0
12/13/00		107.81	--	8.65	--	99.16	<250	<250	--	--	--	--	--	--	<1.0
2/28/01		107.81	--	8.34	--	99.47	<250	<250	89	--	--	--	--	--	<1.0
5/2/01		107.81	--	8.12	--	99.69	<250	<250	214	--	--	--	--	--	<1.0
10/30/02		107.81	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
1/23/03		107.81	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
4/18/03		107.81	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
7/11/03		107.81	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
10/31/03		107.81	UNABLE TO LOCATE - COVERED BY SOIL					--	--	--	--	--	--	--	--

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-103 (cont.)															
12/30/03		107.81	--	7.32	0.00	100.49	<50	<85	<110	<0.5	<0.5	<0.5	<1.5	--	<1.2
5/3/04		107.81	UNABLE TO LOCATE - COVERED BY SOIL					--	--	--	--	--	--	--	--
7/20/04		107.81	--	9.09	0.00	98.72	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
10/7/04		107.81	--	8.66	0.00	99.15	<160	<50	--	--	--	--	--	--	--
1/27/05		107.81	--	7.95	0.00	99.86	<83	<83	<48	--	--	--	--	--	--
4/12/05		107.81	--	7.65	0.00	100.16	<78	<78	<48	--	--	--	--	--	--
7/18/05		107.81	--	8.76	0.00	99.05	<79	<79	<48	--	--	--	--	--	--
10/21/05		107.81	--	8.87	0.00	98.94	<79	<79	<48	--	--	--	--	--	--
9/5/07		107.81	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
5/27-28/08		107.81	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
8/27-29/08		107.81	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
11/17-19/08		107.81	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
2/16-18/09		107.81	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
5/4-6/09		107.81	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
8/19-21/09		107.81	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
11/18-20/09		107.81	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
2/8-10/10		107.81	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
5/12-13/10		107.81	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
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
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
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
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
8/23-24/11		107.81	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
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
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
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
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
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
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
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
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
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
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
6/12-14/14		107.81	INACCESSIBLE			--	--	--	--	--	--	--	--	--	--

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-103 (cont.)															
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
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
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
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
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
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
5/13-14/16	LFP	107.81	--	8.60	0.00	99.21	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
11/14/16	LFP	107.81	--	7.83	0.00	99.98	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
5/14/17	LFP	107.81	--	7.87	0.00	99.94	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
11/11-12/17	LFP	107.81	--	7.93	0.00	99.88	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
05/11/18	LFP	107.81	--	8.56	0.00	99.25	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
11/11-12/18	LFP	107.81	--	8.91	0.00	98.90	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-109															
3/13/92		107.35	--	7.72	0.00	99.63	--	--	<50	--	--	--	--	--	--
4/21/92		107.35	--	7.42	0.00	99.93	--	--	--	--	--	--	--	--	--
3/3/94		107.35	--	--	0.00	--	**900**	**1,500**	**4,900**	--	--	--	--	--	--
8/22/95		107.35	--	8.57	0.00	98.78	**2,900**	**2,400**	<50	--	--	--	--	--	--
11/28/95		107.35	--	5.87	0.00	101.48	480	**1,900**	72	--	--	--	--	--	<2.0
3/12/96		107.35	--	7.16	0.00	100.19	<250	<750	<50	--	--	--	--	--	<2.0
6/26/96		107.35	--	8.24	0.00	99.11	**554**	<750	<50	--	--	--	--	--	<2.0
10/9/96		107.35	--	8.54	0.00	98.81	405	<750	<50	--	--	--	--	--	<2.0
2/12/97		107.35	--	5.82	0.00	101.53	393	**1,290**	<50	--	--	--	--	--	<2.0
4/22/97		107.35	--	7.10	0.00	100.25	356	**1,270**	<50	--	--	--	--	--	<2.0
8/5/97		107.35	--	8.81	0.00	98.54	**560**	**1,690**	<50	--	--	--	--	--	<2.0
11/11/97		107.35	--	7.57	0.00	99.78	269	**780**	<50	--	--	--	--	--	<2.0
2/11/98		107.35	--	6.20	0.00	101.15	387	**1,700**	<50	--	--	--	--	--	<2.0
5/28/98		107.35	--	7.62	0.00	99.73	332	**920**	<50	--	--	--	--	--	2.25
8/20/98		107.35	--	9.00	0.00	98.35	**520**	**1,450**	<50	--	--	--	--	--	<1.0
11/19/98		107.35	--	8.21	0.00	99.14	409	**1,130**	<50	--	--	--	--	--	<1.3
3/11/99		107.35	--	6.94	0.00	100.41	**539**	**2,000**	<80	--	--	--	--	--	<1.0
5/25/99		107.35	--	8.13	0.00	99.22	**916**	--	<80	--	--	--	--	--	--
8/17/99		107.35	--	8.66	0.00	98.69	**1,520**	**7,770**	<80	--	--	--	--	--	<1.0
11/19/99		107.35	--	6.65	0.00	100.70	<250	--	<80	--	--	--	--	--	<1.0
3/9/00		107.35	--	5.67	0.00	101.68	<250	<500	<80	--	--	--	--	--	<1.0
6/13/00		107.35	--	6.65	0.00	100.70	<250	<500	<80	--	--	--	--	--	<1.0

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-109 (cont.)															
9/26/00		107.35	--	8.36	0.00	98.99	<250	<500	--	--	--	--	--	--	<1.0
12/13/00		107.35	--	7.72	0.00	99.63	<250	<500	--	--	--	--	--	--	<1.0
2/28/01		107.35	--	7.44	0.00	99.91	<250	<500	<80	--	--	--	--	--	<1.0
5/2/01		107.35	--	9.50	0.00	97.85	<250	<500	<80	--	--	--	--	--	<1.0
10/30/02		107.35	--	8.69	0.00	98.66	<250	<500	<80	<0.500	<0.500	<0.500	<1.0	--	6.44
1/23/03		107.35	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
4/18/03		107.35	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
7/11/03		107.35	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
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]
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
5/3/04		107.35	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
7/20/04		107.35	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
10/6/04		107.35	--	7.71	0.00	99.64	<81	110	<50	--	--	--	--	--	--
10/24/05		107.35	--	7.93	0.00	99.42	<81	<100	<48	--	--	--	--	--	--
9/5/07		107.35	--	8.45	0.00	98.90	<79	240	91	--	--	--	--	--	0.15
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
8/27-29/08	LFP	107.35	--	7.92	0.00	99.43	<79	<99	<50	<5	<5	<5	<5	<5	<0.050
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-109 (cont.)															
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
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
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
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
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]
8/18-21/14	LFP	107.35	--	9.93	0.00	97.42	INSUFFICIENT WATER								
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
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
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
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**
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
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
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
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
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
05/11/18	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
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-110															
8/22/95		108.89	--	9.62	0.00	99.27	400	<750	**11,000**	--	--	--	--	--	--
11/28/95		108.89	--	8.08	0.00	100.81	**540**	<750	**6,000**	--	--	--	--	--	14
3/12/96		108.89	--	8.74	0.00	100.15	340	<750	**3,600**	--	--	--	--	--	14
6/26/96		108.89	--	9.41	0.00	99.48	274	<750	**2,750**	--	--	--	--	--	8.14
10/9/96		108.89	--	9.67	0.00	99.22	<250	<750	**1,160**	--	--	--	--	--	5.96
2/12/97		108.89	--	8.42	0.00	100.47	393	<750	**1,830**	--	--	--	--	--	11.7
4/22/97		108.89	--	8.18	0.00	100.71	371	<750	**1,950**	--	--	--	--	--	7.27
8/5/97		108.89	--	9.80	0.00	99.09	282	<750	**1,480**	--	--	--	--	--	3.16
11/11/97		108.89	--	8.57	0.00	100.32	**659**	<750	**2,330**	--	--	--	--	--	**22.9**
2/11/98		108.89	--	8.54	0.00	100.35	390	<750	**2,040**	--	--	--	--	--	**15.3**
5/28/98		108.89	--	8.69	0.00	100.20	324	<750	**1,350**	--	--	--	--	--	**15.5**
8/20/98		108.89	--	10.91	0.00	97.98	<250	<750	**812**	--	--	--	--	--	1.55
11/19/98		108.89	--	9.51	0.00	99.38	258	<750	637	--	--	--	--	--	7.27
3/11/99		108.89	--	8.09	0.00	100.80	486	<500	**2,350**	--	--	--	--	--	11
5/25/99		108.89	--	9.28	0.00	99.61	<250	--	**2,950**	--	--	--	--	--	--
8/17/99		108.89	--	9.81	0.00	99.08	<250	<500	749	--	--	--	--	--	2.2
11/19/99		108.89	--	7.77	0.00	101.12	453	--	**2,030**	--	--	--	--	--	**32.4**

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-110 (cont.)															
3/9/00		108.89	--	8.15	0.00	100.74	<250	<500	**3,780**	--	--	--	--	--	9.59
6/13/00		108.89	--	8.81	0.00	100.08	<250	<500	**2,330**	--	--	--	--	--	5.45
9/26/00		108.89	--	9.98	0.00	98.91	<250	<500	--	--	--	--	--	--	2.83
12/13/00		108.89	--	9.37	0.00	99.52	<250	<500	**1,340**	--	--	--	--	--	4.15
2/28/01		108.89	--	9.07	0.00	99.82	<250	<500	**1,800**	--	--	--	--	--	6.32
5/2/01		108.89	--	8.62	0.00	100.27	<250	<500	**905**	--	--	--	--	--	4.23
10/30/02		108.89	--	10.28	0.00	98.61	<250	<500	**3,880**	<2.50	<2.50	22.5	108	--	6.36
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]
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]
7/11/03		108.89	--	9.99	0.00	98.90	<250	<500	586	1.76	<0.500	1.08	1.11	--	2.11[5]
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]
12/31/03		108.89	--	7.94	0.00	100.95	**1,800**	410	<99	<10	<2.0	23	25	--	**17.3**
5/3/04		108.89	--	9.56	0.00	99.33	<250	<500	454	1.8	<0.500	<0.500	<1.0	--	3.86[5]
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]
10/6/04		108.89	--	9.38	0.00	99.51	<79	<99	160	--	--	--	--	--	--
1/27/05		108.89	--	8.65	0.00	100.24	<81	<100	150	--	--	--	--	--	--
4/12/05		108.89	--	8.22	0.00	100.67	370	<100	290	--	--	--	--	--	--
7/18/05		108.89	--	9.50	0.00	99.39	<79	<99	100	--	--	--	--	--	--
7/18/05 (D)		108.89	--	9.50	0.00	99.39	<79	<99	100	--	--	--	--	--	--
10/20/05		108.89	--	9.62	0.00	99.27	82	100	110	--	--	--	--	--	--
9/4/07		108.89	--	10.08	0.00	98.81	<150	220	290	--	--	--	--	--	5
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
8/27-29/08	LFP	108.89	--	9.60	0.00	99.29	120	<100	240	<5	<5	<5	<5	<5	1.5
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**
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**
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
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
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
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
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
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
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
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
05/24/11	LFP	108.89	--	8.90	0.00	99.99	<29	180	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.43
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

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-110 (cont.)															
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
5/13-14/16	LFP	108.89	--	9.04	0.00	99.85	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
11/14/16	LFP	108.89	--	8.21	0.00	100.68	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
5/14/17	LFP	108.89	--	8.40	0.00	100.49	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
11/11-12/17	LFP	108.89	--	8.44	0.00	100.45	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
05/11/18	LFP	108.89	--	9.12	0.00	99.77	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
11/11-12/18	LFP	108.89	--	9.30	0.00	99.59	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-111															
8/22/95		107.12	--	7.86	0.00	99.26	360	<750	**33,000**	--	--	--	--	--	--
11/28/95		107.12	--	6.14	0.00	100.98	**640**	<750	**17,000**	--	--	--	--	--	10
3/12/96		107.12	--	6.84	0.00	100.28	290	<750	**11,000**	--	--	--	--	--	7.6
6/26/96		107.12	--	7.55	0.00	99.57	479	<750	**7,690**	--	--	--	--	--	4.8
10/9/96		107.12	--	7.81	0.00	99.31	256	<750	**3,560**	--	--	--	--	--	4.7
2/12/97		107.12	--	6.52	0.00	100.60	**631**	<750	**17,200**	--	--	--	--	--	8.7
4/22/97		107.12	--	6.31	0.00	100.81	**920**	<750	**13,800**	--	--	--	--	--	5.3
8/5/97		107.12	--	7.90	0.00	99.22	444	<750	**4,290**	--	--	--	--	--	3.5
11/11/97		107.12	--	6.70	0.00	100.42	**770**	<750	**14,300**	--	--	--	--	--	12.4
2/11/98		107.12	--	6.65	0.00	100.47	**587**	<750	**13,600**	--	--	--	--	--	8.3
5/28/98		107.12	--	6.89	0.00	100.23	**526**	<750	**11,200**	--	--	--	--	--	**16.6**

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-111 (cont.)															
8/20/98		107.12	--	9.08	0.00	98.04	**637**	<750	**5,950**	--	--	--	--	--	1.7
11/19/98		107.12	--	7.60	0.00	99.52	**3,890**	<750	**10,500,000**	--	--	--	--	--	2.2
1/22/99		107.12	--	5.36	0.00	101.76	--	--	**19,000**	--	--	--	--	--	--
3/11/99		107.12	--	6.19	0.00	100.93	**611**	<500	**6,910**	--	--	--	--	--	6.3
5/25/99		107.12	--	7.43	0.00	99.69	388	--	**8,500**	--	--	--	--	--	4.2
8/17/99		107.12	--	7.98	0.00	99.14	**547**	<500	**17,600**	--	--	--	--	--	3
11/19/99		107.12	--	5.87	0.00	101.25	**547**	--	**27,900**	--	--	--	--	--	14.4
3/9/00		107.12	--	6.27	0.00	100.85	**12,400**	**646**	**20,800**	--	--	--	--	--	11.8
6/13/00		107.12	--	6.91	0.00	100.21	**7,670**	<500	**29,600**	--	--	--	--	--	12.8
9/26/00		107.12	--	8.37	0.00	98.75	--	--	--	--	--	--	--	--	--
12/13/00		107.12	--	7.65	0.00	99.47	**13,800**	<500	**23,100**	--	--	--	--	--	4.1
2/28/01		107.12	--	7.26	0.00	99.86	**3,740**	<500	**16,400**	--	--	--	--	--	5.6
5/2/01		107.12	--	6.89	0.00	100.23	**7,530**	<500	**17,700**	--	--	--	--	--	10.7
10/30/02		107.12	8.42	8.70	0.28	98.64	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--
1/23/03		107.12	6.95	6.99	0.04	100.16	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--
4/18/03		107.12	6.83	6.89	0.06	100.28	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--
7/11/03		107.12	8.18	8.25	0.07	98.93	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--
10/31/03		107.12	7.45	7.48	0.03	99.66	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--
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**
5/3/04		107.12	7.76	7.79	0.03	99.35	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--
7/20/04		107.12	8.10	8.16	0.06	99.01	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	--	--	--
10/6/04		107.12	--	7.54	0.00	99.58	240	<100	**5,700**	--	--	--	--	--	--
1/27/05		107.12	--	6.79	0.00	100.33	310	<98	**8,800**	--	--	--	--	--	--
1/27/05(D)		107.12	--	6.79	0.00	100.33	310	<98	**9,100**	--	--	--	--	--	--
4/12/05		107.12	--	6.32	0.00	100.80	**820**	<100	**10,000**	--	--	--	--	--	--
4/12/05(D)		107.12	--	6.32	0.00	100.80	**850**	<110	**10,000**	--	--	--	--	--	--
7/18/05		107.12	--	7.75	0.00	99.37	460	<96	**6,300**	--	--	--	--	--	--
10/20/05		107.12	--	7.84	0.00	99.28	--	--	--	--	--	--	--	--	--
9/4/07		107.12	--	8.26	0.00	98.86	**1,100**	<220	**6,800**	--	--	--	--	--	2.8
9/4/07		107.12	--	--	0.00	--	<81	<100	<50	--	--	--	--	--	<0.047
5/27-28/08		107.12	--	7.64	0.00	99.48	NOT SAMPLED DUE TO OBSTRUCTION IN WELL @ 7 FEET						--	--	--
8/27-29/08		107.12	--	7.71	0.00	99.41	NOT SAMPLED DUE TO OBSTRUCTION IN WELL @ 8 FEET						--	--	--
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**
2/16-18/09	LFP	107.12	--	7.36	0.00	99.76	350	74	**20,000**	4	2	190	110	<1	8.5
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**

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-111 (cont.)															
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
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
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**
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**
8/11/10	LFP	107.12	--	7.92	0.00	99.20	**1,300**	<700	**9,200**	4	<1	220	55	<1	**20.2**
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**
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**
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
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
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**
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**
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
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**
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**
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**
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**
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**
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**
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**
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**
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
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**
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
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
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
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
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
11/14/16	LFP	107.12	--	--	--	--	WELL FLOODED-UNABLE TO ACCESS						2	--	7.8
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
11/11-12/17		107.12	--	--	--	--	UNABLE TO ACCESS						--	--	--
05/11/18	LFP	107.12	--	7.57	0.00	99.55	440/**1,400**	400/**970**	**6,600**	**14**	2	45	3	<0.5	13.8
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-112															
8/22/95		107.58	--	8.42	0.00	99.16	<250	<750	480	--	--	--	--	--	--
11/28/95		107.58	--	6.73	0.00	100.85	<250	<750	150	--	--	--	--	--	5.8

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-112 (cont.)															
3/12/96		107.58	--	7.43	0.00	100.15	<250	<750	250	--	--	--	--	--	<2.0
6/26/96		107.58	--	8.12	0.00	99.46	<250	<750	63.8	--	--	--	--	--	<2.0
10/9/96		107.58	--	8.36	0.00	99.22	<250	<750	93.1	--	--	--	--	--	2.62
2/12/97		107.58	--	7.11	0.00	100.47	322	<750	**1,250**	--	--	--	--	--	2.99
4/22/97		107.58	--	6.85	0.00	100.73	<250	<750	323	--	--	--	--	--	<2.0
8/5/97		107.58	--	8.45	0.00	99.13	<250	<750	124	--	--	--	--	--	<2.0
11/11/97		107.58	--	7.26	0.00	100.32	<250	<750	112	--	--	--	--	--	<2.0
2/11/98		107.58	--	7.25	0.00	100.33	<250	<750	658	--	--	--	--	--	<2.0
5/28/98		107.58	--	7.46	0.00	100.12	315	<750	713	--	--	--	--	--	10.4
8/20/98		107.58	--	9.64	0.00	97.94	<250	<750	<50	--	--	--	--	--	<1.0
11/19/98		107.58	--	8.20	0.00	99.38	<250	<750	367	--	--	--	--	--	<1.0
3/11/99		107.58	--	6.79	0.00	100.79	<250	<500	**1,370**	--	--	--	--	--	1.42
5/25/99		107.58	--	7.97	0.00	99.61	<250	--	<80	--	--	--	--	--	--
8/17/99		107.58	--	8.51	0.00	99.07	<250	<500	106	--	--	--	--	--	<1.6
11/19/99		107.58	--	6.46	0.00	101.12	<250	--	<80	--	--	--	--	--	<1.0
3/9/00		107.58	--	6.85	0.00	100.73	<250	<500	<80	--	--	--	--	--	<1.0
6/13/00		107.58	--	7.48	0.00	100.10	<250	<500	**824**	--	--	--	--	--	2.14
9/26/00		107.58	--	8.66	0.00	98.92	<250	<500	--	--	--	--	--	--	<1.0
12/13/00		107.58	--	8.07	0.00	99.51	<250	<500	<80	--	--	--	--	--	<1.0
2/28/01		107.58	--	7.77	0.00	99.81	<250	<500	<80	--	--	--	--	--	<1.0
5/2/01		107.58	--	7.31	0.00	100.27	<250	<500	710	--	--	--	--	--	1.44
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
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]
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]
7/11/03		107.58	--	8.68	0.00	98.90	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--	<1.0[5]
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]
12/30/03		107.58	--	6.62	0.00	100.96	<50	<77	<97	<0.5	<0.5	<0.5	<1.5	--	<1.2
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]
7/20/04		107.58	--	8.69	0.00	98.89	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
10/7/04		107.58	--	8.06	0.00	99.52	<82	<100	<50	--	--	--	--	--	--
7/18/05		107.58	--	8.26	0.00	99.32	<77	<96	<48	--	--	--	--	--	--
10/21/05		107.58	--	8.25	0.00	99.33	<82	<100	48	--	--	--	--	--	--
9/5/07		107.58	--	8.79	0.00	98.79	<79	<99	<50	--	--	--	--	--	0.52
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
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

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-112 (cont.)															
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
6/12-14/14		107.58	INACCESSIBLE			--	--	--	--	--	--	--	--	--	--
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
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
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
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
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
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
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
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
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
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
05/11/18	LFP	107.58	--	7.82	0.00	99.76	59	<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.20
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

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COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-113															
8/22/95		108.44	--	9.26	0.00	99.18	320	<750	**3,100**	--	--	--	--	--	--
11/28/95		108.44	--	7.55	0.00	100.89	<250	<750	180	--	--	--	--	--	<2.0
3/12/96		108.44	--	8.26	0.00	100.18	<250	<750	750	--	--	--	--	--	<2.0
6/26/96		108.44	--	8.95	0.00	99.49	<250	<750	**809**	--	--	--	--	--	2.43
10/9/96		108.44	--	9.21	0.00	99.23	<250	<750	494	--	--	--	--	--	2.95
2/12/97		108.44	--	7.93	0.00	100.51	<250	<750	**1,600**	--	--	--	--	--	<2.0
4/22/97		108.44	--	7.71	0.00	100.73	291	<750	748	--	--	--	--	--	<2.0
8/5/97		108.44	--	9.37	0.00	99.07	<250	<750	**876**	--	--	--	--	--	<2.0
11/11/97		108.44	--	8.04	0.00	100.40	<250	<750	<50	--	--	--	--	--	<2.0
2/11/98		108.44	--	8.02	0.00	100.42	<250	<750	76.10	--	--	--	--	--	<2.0
5/28/98		108.44	--	8.31	0.00	100.13	<250	<750	116	--	--	--	--	--	6.26
8/20/98		108.44	--	10.48	0.00	97.96	<250	<750	235	--	--	--	--	--	<1.0
11/19/98		108.44	--	9.02	0.00	99.42	<250	<750	<50	--	--	--	--	--	<1.0
3/11/99		108.44	--	7.59	0.00	100.85	<250	<750	162	--	--	--	--	--	<1.0
5/25/99		108.44	--	8.83	0.00	99.61	<250	--	321	--	--	--	--	--	--
8/17/99		108.44	--	9.34	0.00	99.10	<250	<500	265	--	--	--	--	--	1.2
11/19/99		108.44	--	7.27	0.00	101.17	<250	--	<80	--	--	--	--	--	<1.0
3/9/00		108.44	--	7.66	0.00	100.78	<250	<500	96.70	--	--	--	--	--	<1.0
6/13/00		108.44	--	8.29	0.00	100.15	<250	<500	154	--	--	--	--	--	<1.0
9/26/00		108.44	--	9.51	0.00	98.93	<250	<500	--	--	--	--	--	--	<1.0
12/13/00		108.44	--	8.91	0.00	99.53	<250	**588**	<80	--	--	--	--	--	<1.0
2/28/01		108.44	--	8.60	0.00	99.84	<250	<500	<80	--	--	--	--	--	<1.0
5/2/01		108.44	--	8.14	0.00	100.30	<250	<500	<80	--	--	--	--	--	<1.0
10/30/02		108.44	--	9.85	0.00	98.59	<250	<500	<80	<0.500	<0.500	<0.500	<1.0	--	1.55
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]
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]
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]
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]
12/31/03		108.44	--	7.44	0.00	101.00	<50	<77	<97	<0.5	<0.5	<0.5	<1.5	--	<1.2
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]
7/20/04		108.44	--	9.58	0.00	98.86	<250	<500	<50	<0.500	<0.500	<0.500	<1.0	--	--
10/6/04		108.44	--	8.92	DRY	--	--	--	--	--	--	--	--	--	--
1/27/05		108.44	--	8.15	0.00	--	<84	<110	<48	--	--	--	--	--	--
4/12/05		108.44	--	7.76	0.00	--	<88	<110	<48	--	--	--	--	--	--
7/18/05		108.44	--	9.11	0.00	--	<79	<98	<48	--	--	--	--	--	--

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GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-113 (cont.)															
10/26/05		108.44	--	9.10	0.00	--	<82	<100	<48	--	--	--	--	--	--
9/5/07		108.44	--	9.59	0.00	98.85	<82	<100	<50	--	--	--	--	--	0.32
9/5/07 (D)		108.44	--	9.59	0.00	98.85	<82	<100	<50	--	--	--	--	--	0.32
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-113 (cont.)															
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
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
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
05/11/18	LFP	108.44	--	8.65	0.00	99.79	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.11
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-114															
8/22/95		106.89	--	7.47	0.00	99.42	<250	<750	<50	--	--	--	--	--	--
11/28/95		106.89	--	5.83	0.00	101.06	<250	<750	<50	--	--	--	--	--	<2.0
3/12/96		106.89	--	6.39	0.00	100.50	<250	<750	<50	--	--	--	--	--	<2.0
6/26/96		106.89	--	7.11	0.00	99.78	<250	<750	<50	--	--	--	--	--	<2.0
10/9/96		106.89	--	7.42	0.00	99.47	<250	<750	<50	--	--	--	--	--	<2.0
2/12/97		106.89	--	5.47	0.00	101.42	<250	<750	<50	--	--	--	--	--	<2.0
4/22/97		106.89	--	14.30	0.00	92.59	<250	<750	<50	--	--	--	--	--	<2.0
8/5/97		106.89	--	7.65	0.00	99.24	<250	**1,410**	<50	--	--	--	--	--	<2.0
11/11/97		106.89	--	6.45	0.00	100.44	<250	<750	<50	--	--	--	--	--	<2.0
2/11/98		106.89	--	6.23	0.00	100.66	<250	<750	<50	--	--	--	--	--	<2.0
5/28/98		106.89	--	6.44	0.00	100.45	<250	<750	<50	--	--	--	--	--	5.91
8/20/98		106.89	--	8.75	0.00	98.14	<250	<750	<50	--	--	--	--	--	<1.0
11/19/98		106.89	--	7.05	0.00	99.84	<250	<750	<50	--	--	--	--	--	<1.0
3/11/99		106.89	--	5.90	0.00	100.99	<250	<500	<80	--	--	--	--	--	<1.0
5/25/99		106.89	--	7.10	0.00	99.79	<250	--	<80	--	--	--	--	--	--
8/17/99		106.89	--	7.59	0.00	99.30	<250	**607**	<80	--	--	--	--	--	<1.0
11/19/99		106.89	--	5.59	0.00	101.30	<250	--	<80	--	--	--	--	--	<1.0
3/9/00		106.89	--	5.98	0.00	100.91	<250	<500	<80	--	--	--	--	--	<1.0
6/13/00		106.89	--	6.04	0.00	100.85	<250	<500	<80	--	--	--	--	--	<1.0
9/26/00		106.89	--	7.81	0.00	99.08	<250	<500	--	--	--	--	--	--	<1.0
12/13/00		106.89	--	7.06	0.00	99.83	<250	<500	--	--	--	--	--	--	<1.0
2/28/01		106.89	--	6.79	0.00	100.10	<250	<500	<80	--	--	--	--	--	<1.0
5/2/01		106.89	--	8.84	0.00	98.05	<250	**1,880**	<80	--	--	--	--	--	<1.0
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
1/23/03		106.89	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
4/18/03		106.89	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
7/11/03		106.89	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
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]
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

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-114 (cont.)															
5/3/04		106.89	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
7/20/04		106.89	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
10/6/04		106.89	--	6.98	0.00	99.91	<76	<95	<50	--	--	--	--	--	--
10/24/05		106.89	--	7.28	0.00	99.61	<79	<99	<48	--	--	--	--	--	--
9/5/07		106.89	--	7.87	0.00	99.02	94	**810**	<50	--	--	--	--	--	0.38
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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**

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-114 (cont.)															
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
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
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
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
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
05/11/18	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
11/11-12/18		106.89	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
MW-115															
8/22/95		107.94	--	8.79	0.00	99.15	<250	<750	**1,800**	--	--	--	--	--	--
11/28/95		107.94	--	7.05	0.00	100.89	<250	<750	460	--	--	--	--	--	<2.0
3/12/96		107.94	--	7.76	0.00	100.18	<250	<750	630	--	--	--	--	--	<2.0
6/26/96		107.94	--	8.45	0.00	99.49	<250	<750	706	--	--	--	--	--	<2.0
10/9/96		107.94	--	8.71	0.00	99.23	<250	<750	722	--	--	--	--	--	2.54
2/12/97		107.94	--	7.48	0.00	100.46	<250	<750	58	--	--	--	--	--	<2.0
4/22/97		107.94	--	7.25	0.00	100.69	<250	<750	<50	--	--	--	--	--	<2.0
8/5/97		107.94	--	8.77	0.00	99.17	<250	<750	611	--	--	--	--	--	2.0
11/11/97		107.94	--	7.71	0.00	100.23	<250	<750	57	--	--	--	--	--	<2.0
2/11/98		107.94	--	7.72	0.00	100.22	<250	<750	89.5	--	--	--	--	--	<2.0
5/28/98		107.94	--	7.92	0.00	100.02	<250	<750	<50	--	--	--	--	--	8.08
8/20/98		107.94	--	9.18	0.00	98.76	<250	<750	155	--	--	--	--	--	<1.0
11/19/98		107.94	--	8.58	0.00	99.36	<250	<750	<50	--	--	--	--	--	<1.0
3/11/99		107.94	--	7.12	0.00	100.82	<250	<750	<80	--	--	--	--	--	<1.0
5/25/99		107.94	--	8.33	0.00	99.61	<250	--	<80	--	--	--	--	--	--
8/17/99		107.94	--	8.87	0.00	99.07	<250	<500	163	--	--	--	--	--	1.4
11/19/99		107.94	--	6.82	0.00	101.12	<250	--	<80	--	--	--	--	--	<1.0
3/9/00		107.94	--	7.20	0.00	100.74	<250	<500	103	--	--	--	--	--	<1.0
6/13/00		107.94	--	7.82	0.00	100.12	--	--	<80	--	--	--	--	--	<1.0
9/26/00		107.94	--	9.02	0.00	98.92	<250	<500	--	--	--	--	--	--	1.02
12/13/00		107.94	--	8.43	0.00	99.51	<250	<500	313	--	--	--	--	--	<1.0
2/28/01		107.94	--	8.13	0.00	99.81	<250	<500	177	--	--	--	--	--	<1.0
5/2/01		107.94	--	10.37	0.00	97.57	<250	<500	162	--	--	--	--	--	<1.0
10/30/02		107.94	--	9.33	0.00	98.61	<250	<500	175	<0.500	<0.500	<0.500	<1.0	--	4.36
1/23/03		107.94	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
4/18/03		107.94	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
7/11/03		107.94	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-115 (cont.)															
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]
12/31/03		107.94	--	6.98	0.00	100.96	<50	<79	<99	<0.5	<0.5	<0.5	<1.5	--	<1.2
5/3/04		107.94	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
7/20/04		107.94	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
10/6/04		107.94	--	8.43	0.00	99.51	<160	<200	<50	--	--	--	--	--	--
10/21/05		107.94	--	8.67	0.00	99.27	<81	<100	<48	--	--	--	--	--	--
10/21/05(D)		107.94	--	8.67	0.00	99.27	<82	<100	<48	--	--	--	--	--	--
9/5/07		107.94	--	9.11	0.00	98.83	<76	<95	<50	--	--	--	--	--	0.37
5/27-28/08		107.94	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
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
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
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
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
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
10/19/09	LFP	107.94	--	8.70	0.00	99.24	<29	<68	--	--	--	--	--	--	--
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
6/12-14/14		107.94	INACCESSIBLE			--	--	--	--	--	--	--	--	--	--
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

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-115 (cont.)															
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
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
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
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
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
5/13-14/16	LFP	107.94	--	8.48	0.00	99.46	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
11/14/16	LFP	107.94	--	7.35	0.00	100.59	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
5/14/17	LFP	107.94	--	7.44	0.00	100.50	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
11/11-12/17	LFP	107.94	--	7.37	0.00	100.57	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
05/11/18	LFP	107.94	--	8.20	0.00	99.74	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
11/11-12/18	LFP	107.94	--	8.31	0.00	99.63	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-116															
8/22/95		107.56	--	8.82	0.00	98.74	<250	<750	<50	--	--	--	--	--	--
3/12/96		107.56	--	8.08	0.00	99.48	<250	<750	<50	--	--	--	--	--	<2.0
10/9/96		107.56	--	8.69	0.00	98.87	<250	<750	<50	--	--	--	--	--	<2.0
2/12/97		107.56	--	7.86	0.00	99.70	<250	<750	<50	--	--	--	--	--	<2.0
4/22/97		107.56	--	7.65	0.00	99.91	<250	<750	<50	--	--	--	--	--	<2.0
8/5/97		107.56	--	8.71	0.00	98.85	<250	<750	<50	--	--	--	--	--	<2.0
11/11/97		107.56	--	8.07	0.00	99.49	<250	<750	<50	--	--	--	--	--	<2.0
2/11/98		107.56	--	8.06	0.00	99.50	<250	<750	<50	--	--	--	--	--	<2.0
5/28/98		107.56	--	8.25	0.00	99.31	<250	<750	<50	--	--	--	--	--	4.66
8/20/98		107.56	--	9.05	0.00	98.51	<250	<750	<50	--	--	--	--	--	<1.0
11/19/98		107.56	--	9.16	0.00	98.40	<250	<750	<50	--	--	--	--	--	<1.0
3/11/99		107.56	--	7.64	0.00	99.92	<250	<750	<80	--	--	--	--	--	<1.0
5/25/99		107.56	--	8.40	0.00	99.16	<250	--	<80	--	--	--	--	--	--
8/17/99		107.56	--	8.78	0.00	98.78	<250	<500	<80	--	--	--	--	--	<1.0
11/19/99		107.56	--	7.60	0.00	99.96	<250	--	<80	--	--	--	--	--	<1.0
3/9/00		107.56	--	7.70	0.00	99.86	<250	<500	<80	--	--	--	--	--	<1.0
6/13/00		107.56	--	8.37	0.00	99.19	--	--	<80	--	--	--	--	--	<1.0
9/26/00		107.56	--	8.88	0.00	98.68	<250	<500	--	--	--	--	--	--	<1.0
12/13/00		107.56	--	8.52	0.00	99.04	<250	<500	--	--	--	--	--	--	<1.0
2/28/01		107.56	--	8.25	0.00	99.31	<250	<500	<80	--	--	--	--	--	<1.0
5/2/01		107.56	--	10.84	0.00	96.72	<250	<500	<80	--	--	--	--	--	<1.0
10/30/02		107.56	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
1/23/03		107.56	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-116 (cont.)															
4/18/03		107.56	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
7/11/03		107.56	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
10/31/03		107.56	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
12/30/03		107.56	--	7.54	0.00	100.02	<50	<79	<99	<0.5	<0.5	<0.5	<1.5	--	<1.2
5/3/04		107.56	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
7/20/04		107.56	--	8.92	0.00	98.64	<284	<568	<50	<0.500	<0.500	<0.500	<1.00	--	--
10/7/04		107.56	--	7.54	0.00	100.02	<75	<94	<50	--	--	--	--	--	--
10/20/05		107.56	--	8.73	0.00	98.83	<81	<100	<48	--	--	--	--	--	--
9/6/07		107.56	--	9.00	0.00	98.56	<76	<95	<50	--	--	--	--	--	0.15
5/27-28/08		107.56	INACCESSIBLE			--	--	--	--	--	--	--	--	--	--
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
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
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
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
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
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
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
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
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
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
5/24/11		107.56	UNABLE TO LOCATE				--	--	--	--	--	--	--	--	--
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
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
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
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
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
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
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
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
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

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-116 (cont.)															
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
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
6/12-14/14		107.56	INACCESSIBLE			--	--	--	--	--	--	--	--	--	--
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
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
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
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
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
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
5/13-14/16	LFP	107.56	--	8.59	0.00	98.97	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
11/14/16	LFP	107.56	--	8.06	0.00	99.50	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
5/14/17	LFP	107.56	--	8.07	0.00	99.49	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
11/11-12/17	LFP	107.56	--	8.14	0.00	99.42	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
05/11/18	LFP	107.56	--	8.43	0.00	99.13	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
11/11-12/18	LFP	107.56	--	9.04	0.00	98.52	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-117															
8/22/95		106.57	--	7.45	0.00	99.12	<250	<750	<50	--	--	--	--	--	--
11/28/95		106.57	--	5.45	0.00	101.12	<250	<750	<50	--	--	--	--	--	<2.0
3/12/96		106.57	--	6.32	0.00	100.25	<250	<750	<50	--	--	--	--	--	<2.0
6/26/96		106.57	--	7.18	0.00	99.39	<250	<750	<50	--	--	--	--	--	<2.0
10/9/96		106.57	--	7.42	0.00	99.15	<250	<750	<50	--	--	--	--	--	7.1
2/12/97		106.57	--	5.93	0.00	100.64	<250	<750	<50	--	--	--	--	--	<2.0
4/22/97		106.57	--	5.78	0.00	100.79	<250	<750	<50	--	--	--	--	--	<2.0
8/5/97		106.57	--	7.58	0.00	98.99	<250	<750	<50	--	--	--	--	--	<2.0
11/11/97		106.57	--	6.21	0.00	100.36	<250	<750	<50	--	--	--	--	--	<2.0
2/11/98		106.57	--	6.21	0.00	100.36	<250	<750	<50	--	--	--	--	--	<2.0
5/28/98		106.57	--	6.44	0.00	100.13	<250	<750	<50	--	--	--	--	--	2.68
8/20/98		106.57	--	7.90	0.00	98.67	<250	<750	<50	--	--	--	--	--	<1.0
11/19/98		106.57	--	7.18	0.00	99.39	<250	<750	<50	--	--	--	--	--	<1.0
3/11/99		106.57	--	5.51	0.00	101.06	<250	<500	<80	--	--	--	--	--	<1.0
5/25/99		106.57	--	7.00	0.00	99.57	<250	--	<80	--	--	--	--	--	--
8/17/99		106.57	--	7.56	0.00	99.01	<250	<500	<80	--	--	--	--	--	<1.0
11/19/99		106.57	--	5.11	0.00	101.46	<250	--	<80	--	--	--	--	--	<1.0
3/9/00		106.57	--	5.65	0.00	100.92	<250	<500	<80	--	--	--	--	--	<1.0
6/13/00		106.57	--	6.25	0.00	100.32	<250	<500	<80	--	--	--	--	--	<1.0

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-117 (cont.)															
9/26/00		106.57	--	7.70	0.00	98.87	<250	<500	--	--	--	--	--	--	<1.0
12/13/00		106.57	--	7.11	0.00	99.46	<250	<500	--	--	--	--	--	--	<1.0
2/28/01		106.57	--	6.78	0.00	99.79	<250	<500	<80	--	--	--	--	--	<1.0
5/2/01		106.57	--	8.90	0.00	97.67	<250	<500	<80	--	--	--	--	--	<1.0
10/30/02		106.57	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
1/23/03		106.57	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
4/18/03		106.57	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
7/11/03		106.57	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
10/31/03		106.57	UNABLE TO LOCATE - POSSIBLY PAVED OVER						--	--	--	--	--	--	--
12/30/03		106.57	--	5.46	0.00	101.11	<50	<80	<100	<0.5	<0.5	<0.5	<1.5	--	<1.2
5/3/04		106.57	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
7/20/04		106.57	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
10/6/04		106.57	--	7.07	0.00	99.50	<79	<98	<50	--	--	--	--	--	--
10/21/05		106.57	--	7.33	0.00	99.24	<81	<100	<48	--	--	--	--	--	--
9/5/07		106.57	--	7.92	0.00	98.65	<82	<100	<50	--	--	--	--	--	0.22
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-117 (cont.)															
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
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
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
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
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
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
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
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
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
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
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
5/13-14/16	LFP	106.57	--	7.38	0.00	99.19	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
11/14/16	LFP	106.57	--	5.60	0.00	100.97	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
5/14/17	LFP	106.57	--	6.10	0.00	100.47	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
11/11-12/17	LFP	106.57	--	6.16	0.00	100.41	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
05/11/18	LFP	106.57	--	7.04	0.00	99.53	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
11/11-12/18	LFP	106.57	--	6.58	0.00	99.99	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-118															
8/22/95		106.72	--	7.87	0.00	98.85	470	<750	<50	--	--	--	--	--	--
11/28/95		106.72	--	5.76	0.00	100.96	<250	<750	<50	--	--	--	--	--	<2.0
3/12/96		106.72	--	6.67	0.00	100.05	<250	<750	<50	--	--	--	--	--	<2.0
6/26/96		106.72	--	7.51	0.00	99.21	<250	<750	<50	--	--	--	--	--	<2.0
10/9/96		106.72	--	7.78	0.00	98.94	<250	<750	50.1	--	--	--	--	--	<2.0
2/12/97		106.72	--	6.35	0.00	100.37	<250	<750	<50	--	--	--	--	--	<2.0
4/22/97		106.72	--	5.98	0.00	100.74	<250	<750	<50	--	--	--	--	--	<2.0
8/5/97		106.72	--	7.85	0.00	98.87	<250	<750	<50	--	--	--	--	--	<2.0
11/11/97		106.72	--	6.52	0.00	100.20	<250	<750	<50	--	--	--	--	--	<2.0
2/11/98		106.72	--	6.56	0.00	100.16	<250	<750	<50	--	--	--	--	--	<2.0
5/28/98		106.72	--	6.85	0.00	99.87	<250	<750	<50	--	--	--	--	--	2.84
8/20/98		106.72	--	7.26	0.00	99.46	<250	<750	<50	--	--	--	--	--	<1.0
11/19/98		106.72	--	7.70	0.00	99.02	<250	<750	<50	--	--	--	--	--	<1.0
3/11/99		106.72	--	5.81	0.00	100.91	<250	<750	<80	--	--	--	--	--	<1.0
5/25/99		106.72	--	7.39	0.00	99.33	<250	--	<80	--	--	--	--	--	--
8/17/99		106.72	--	7.95	0.00	98.77	<250	<500	<80	--	--	--	--	--	<1.0
11/19/99		106.72	--	5.53	0.00	101.19	<250	--	<80	--	--	--	--	--	<1.0

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-118 (cont.)															
3/9/00		106.72	--	5.99	0.00	100.73	<250	<500	<80	--	--	--	--	--	<1.0
6/13/00		106.72	--	7.08	0.00	99.64	<250	<500	<80	--	--	--	--	--	<1.0
9/26/00		106.72	--	8.07	0.00	98.65	<250	<500	--	--	--	--	--	--	<1.0
12/13/00		106.72	--	7.53	0.00	99.19	<250	<500	--	--	--	--	--	--	<1.0
2/28/01		106.72	--	7.17	0.00	99.55	<250	<500	<80	--	--	--	--	--	<1.0
5/2/01		106.72	--	6.81	0.00	99.91	<250	<500	<80	--	--	--	--	--	<1.0
10/30/02		106.72	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
1/23/03		106.72	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
4/18/03		106.72	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
7/11/03		106.72	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
10/31/03		106.72	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
12/30/03		106.72	--	5.71	0.00	101.01	<50	<400	<500	<0.5	<0.5	<0.5	<1.5	--	<1.2
5/3/04		106.72	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
7/20/04		106.72	--	8.14	0.00	98.58	<250	<500	<50	<0.500	<0.500	<0.500	<1.00	--	--
10/7/04		106.72	--	7.55	0.00	99.17	<76	<96	<50	--	--	--	--	--	--
10/7/04 (D)		106.72	--	7.55	0.00	99.17	<80	160	<50	--	--	--	--	--	--
10/20/05		106.72	--	7.78	0.00	98.94	<83	<100	<48	--	--	--	--	--	--
9/5/07		106.72	--	8.20	0.00	98.52	**980**	**710**	<50	--	--	--	--	--	0.13
5/27-28/08		106.72	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
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
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
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
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
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
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
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
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
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
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
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
5/24/11		106.72	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
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
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
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
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

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GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-118 (cont.)															
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
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
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
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
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
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
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
6/12-14/14		106.72	INACCESSIBLE			--	--	--	--	--	--	--	--	--	--
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
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
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
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
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
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
5/13-14/16	LFP	106.72	--	7.61	0.00	99.11	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
11/14/16	LFP	106.72	--	6.36	0.00	100.36	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
5/14/17	LFP	106.72	--	6.50	0.00	100.22	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
11/11-12/17	LFP	106.72	--	6.52	0.00	100.20	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
05/11/18	LFP	106.72	--	7.31	0.00	99.41	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
11/11-12/18	LFP	106.72	--	7.34	0.00	99.38	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
MW-119															
8/22/95		108.35	--	9.22	0.00	99.13	<250	<750	<50	--	--	--	--	--	--
11/28/95		108.35	--	7.54	0.00	100.81	<250	<750	100	--	--	--	--	--	<2.0
3/12/96		108.35	--	8.21	0.00	100.14	<250	<750	240	--	--	--	--	--	2.2
6/26/96		108.35	--	8.91	0.00	99.44	<250	<750	174	--	--	--	--	--	<2.0
10/9/96		108.35	--	9.14	0.00	99.21	<250	<750	78	--	--	--	--	--	2.16
2/12/97		108.35	--	7.84	0.00	100.51	<250	<750	<50	--	--	--	--	--	<2.0
4/22/97		108.35	--	7.67	0.00	100.68	<250	<750	<50	--	--	--	--	--	<2.0
8/5/97		108.35	--	9.15	0.00	99.20	<250	<750	53.6	--	--	--	--	--	<2.0
11/11/97		108.35	--	8.02	0.00	100.33	264	<750	<50	--	--	--	--	--	<2.0
2/11/98		108.35	--	8.02	0.00	100.33	<250	<750	<50	--	--	--	--	--	<2.0
5/28/98		108.35	--	8.20	0.00	100.15	<250	<750	102	--	--	--	--	--	3.33
8/20/98		108.35	--	10.40	0.00	97.95	<250	<750	<50	--	--	--	--	--	<1.0
11/19/98		108.35	--	8.98	0.00	99.37	<250	<750	78.5	--	--	--	--	--	1.82
3/11/99		108.35	--	7.61	0.00	100.74	<250	<750	<80	--	--	--	--	--	<1.0

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-119 (cont.)															
5/25/99		108.35	--	8.77	0.00	99.58	<250	--	<80	--	--	--	--	--	--
8/17/99		108.35	--	9.29	0.00	99.06	<250	<500	<80	--	--	--	--	--	<1.0
11/19/99		108.35	--	7.25	0.00	101.10	<250	--	<80	--	--	--	--	--	<1.0
3/9/00		108.35	--	7.63	0.00	100.72	<250	<500	<80	--	--	--	--	--	<1.0
6/13/00		108.35	--	8.28	0.00	100.07	<250	<500	413	--	--	--	--	--	2.64
9/26/00		108.35	--	9.44	0.00	98.91	<250	<500	--	--	--	--	--	--	<1.0
12/13/00		108.35	--	8.86	0.00	99.49	<250	<500	--	--	--	--	--	--	1.79
2/28/01		108.35	--	8.56	0.00	99.79	<250	<500	227	--	--	--	--	--	2.64
5/2/01		108.35	--	8.10	0.00	100.25	<250	<500	104	--	--	--	--	--	1.56
10/30/02		108.35	--	9.76	0.00	98.59	<250	<500	<80	<0.500	<0.500	<0.500	<1.00	--	4.2
1/23/03		108.35	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
4/18/03		108.35	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
7/11/03		108.35	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
10/31/03		108.35	--	8.62	0.00	99.73	<250	<500	<50	<0.500	<0.500	<0.500	<1.00	--	1.31[5]
12/30/03		108.35	--	7.40	0.00	100.95	<50	<77	<96	<0.5	<0.5	<0.5	<1.5	--	<1.2
5/3/04		108.35	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
7/20/04		108.35	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
10/7/04		108.35	--	8.85	0.00	99.50	<79	<98	<50	--	--	--	--	--	--
10/20/05		108.35	--	9.08	0.00	99.27	<80	<100	<48	--	--	--	--	--	--
9/5/07		108.35	--	9.53	0.00	98.82	<800	<1,000	<50	--	--	--	--	--	0.57
5/27-28/08		108.35	INACCESSIBLE			--	--	--	--	--	--	--	--	--	--
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
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
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
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
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
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
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
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
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
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
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
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
8/23-24/11		108.35	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
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

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-119 (cont.)															
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
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
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
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
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
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
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
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
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
6/12-14/14		108.35	INACCESSIBLE			--	--	--	--	--	--	--	--	--	--
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
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
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
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
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
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
5/13-14/16	LFP	108.35	--	8.39	0.00	99.96	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
11/14/16	LFP	108.35	--	7.70	0.00	100.65	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
5/14/17	LFP	108.35	--	7.85	0.00	100.50	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
11/11-12/17	LFP	108.35	--	7.92	0.00	100.43	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
05/11/18	LFP	108.35	--	8.60	0.00	99.75	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
11/11-12/18	LFP	108.35	--	8.62	0.00	99.73	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
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
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
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
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
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
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
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
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
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
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
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
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
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

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COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-120 (cont.)															
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
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
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
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
5/13-14/16	LFP	107.11	--	7.81	0.00	99.30	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
11/14/16	LFP	107.11	--	6.47	0.00	100.64	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
5/14/17	LFP	107.11	--	6.67	0.00	100.44	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
11/11-12/17	LFP	107.11	--	6.69	0.00	100.42	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
05/11/18	LFP	107.11	--	7.49	0.00	99.62	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
11/11-12/18	LFP	107.11	--	7.46	0.00	99.65	WELL REMOVED FROM SAMPLING PROGRAM - MONITORING ONLY								
B-1															
2/14/91		107.74	--	--	0.00	--	<250	--	**5,100**	--	--	--	--	--	--
2/14/92		107.74	--	6.90	0.00	100.84	--	--	--	--	--	--	--	--	--
2/18/92		107.74	--	6.72	0.00	101.02	--	--	--	--	--	--	--	--	--
3/13/92		107.74	--	6.93	0.00	100.81	--	--	<50	--	--	--	--	--	--
4/21/92		107.74	--	6.66	0.00	101.08	--	--	--	--	--	--	--	--	--
8/22/95		107.74	--	8.03	0.00	99.71	<250	<750	<50	--	--	--	--	--	--
11/28/95		107.74	--	6.13	0.00	101.61	<250	<750	<50	--	--	--	--	--	<2
3/11/96		107.74	--	6.99	0.00	100.75	<250	<750	<50	--	--	--	--	--	7.5
6/26/96		107.74	--	7.73	0.00	100.01	<250	<750	<50	--	--	--	--	--	<2
10/9/96		107.74	--	8.05	0.00	99.69	<250	<750	<50	--	--	--	--	--	<2
2/12/97		107.74	--	6.46	0.00	101.28	<250	<750	<50	--	--	--	--	--	<2
4/22/97		107.74	--	6.25	0.00	101.49	<250	<750	<50	--	--	--	--	--	<2
8/5/97		107.74	--	8.20	0.00	99.54	<250	<750	<50	--	--	--	--	--	<2
11/11/97		107.74	--	6.84	0.00	100.90	300	<750	<50	--	--	--	--	--	<2
2/11/98		107.74	--	6.70	0.00	101.04	<250	<750	<50	--	--	--	--	--	<2
5/28/98		107.74	--	6.85	0.00	100.89	<250	<750	<50	--	--	--	--	--	<1
8/20/98		107.74	--	9.42	0.00	98.32	<250	<750	<50	--	--	--	--	--	<1
11/19/98		107.74	--	7.43	0.00	100.31	<250	<750	<50	--	--	--	--	--	<1
3/11/99		107.74	--	6.34	0.00	101.40	<250	<750	<80	--	--	--	--	--	<1
5/25/99		107.74	--	7.60	0.00	100.14	<1,450	--	<80	--	--	--	--	--	--
8/17/99		107.74	--	8.28	0.00	99.46	<250	<500	<80	--	--	--	--	--	<1
11/19/99		107.74	--	5.90	0.00	101.84	<250	--	<80	--	--	--	--	--	<1
3/9/00		107.74	--	6.38	0.00	101.36	<250	<500	<80	--	--	--	--	--	<1
6/12/00		107.74	--	6.26	0.00	101.48	<250	<500	<80	--	--	--	--	--	<1

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COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
B-1 (cont.)															
9/26/00		107.74	--	8.51	0.00	99.23	<250	<500	--	--	--	--	--	--	<1
12/13/00		107.74	--	7.69	0.00	100.05	<250	<500	--	--	--	--	--	--	<1
2/28/01		107.74	--	7.37	0.00	100.37	<250	<500	<80	--	--	--	--	--	<1
5/2/01		107.74	--	6.69	0.00	101.05	<250	<500	109	--	--	--	--	--	<1
10/30/02		107.74	UNABLE TO LOCATE - PAVED OVER					--	--	--	--	--	--	--	--
1/23/03		107.74	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
4/18/03		107.74	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
7/11/03		107.74	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
10/31/03		107.74	UNABLE TO LOCATE - PAVED OVER					--	--	--	--	--	--	--	--
12/30/03		107.74	--	6.11	0.00	101.63	<50	<78	<98	<0.5	<0.5	<0.5	<1.5	--	<1.2
5/3/04		107.74	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
7/20/04		107.74	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
10/6/04		107.74	--	8.87	0.00	98.87	81	100	<50	--	--	--	--	--	--
10/24/05		107.74	--	7.96	0.00	99.78	<81	<100	<48	--	--	--	--	--	--
9/5/07		107.74	--	8.60	0.00	99.14	<80	<100	<50	--	--	--	--	--	0.13
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
B-1 (cont.)															
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
05/11/18	LFP	107.74	--	7.31	0.00	100.43	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.11
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-2															
2/14/91		108.99	--	--	0.00	--	<250	--	180	--	--	--	--	--	--
2/14/92		108.99	--	8.08	0.00	100.91	--	--	--	--	--	--	--	--	--
2/18/92		108.99	--	7.97	0.00	101.02	--	--	--	--	--	--	--	--	--
3/9/92		108.99	--	7.88	0.00	101.11	--	--	--	--	--	--	--	--	--
3/13/92		108.99	--	8.12	0.00	100.87	--	--	--	--	--	--	--	--	--
4/21/92		108.99	--	7.82	0.00	101.17	--	--	--	--	--	--	--	--	--
8/22/95		108.99	--	9.30	0.00	99.69	<250	<750	<50	--	--	--	--	--	--
11/27/95		108.99	--	7.33	0.00	101.66	<250	<750	<50	--	--	--	--	--	<2
3/12/96		108.99	--	8.20	0.00	100.79	<250	<750	<50	--	--	--	--	--	<2
6/27/96		108.99	--	8.95	0.00	100.04	<250	<750	<50	--	--	--	--	--	<2
10/10/96		108.99	--	9.28	0.00	99.71	<250	<750	<50	--	--	--	--	--	<2
2/12/97		108.99	--	7.73	0.00	101.26	<250	<750	<50	--	--	--	--	--	<2
4/22/97		108.99	--	7.41	0.00	101.58	<250	<750	<50	--	--	--	--	--	2
8/5/97		108.99	--	9.40	0.00	99.59	<250	<750	<50	--	--	--	--	--	<2
11/11/97		108.99	--	8.00	0.00	100.99	<250	<750	<50	--	--	--	--	--	<2
2/11/98		108.99	--	7.90	0.00	101.09	<250	<750	<50	--	--	--	--	--	<2
5/28/98		108.99	--	8.03	0.00	100.96	<250	<750	<50	--	--	--	--	--	<1

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
B-2 (cont.)															
8/20/98		108.99	--	10.64	0.00	98.35	<250	<750	<50	--	--	--	--	--	<1
11/19/98		108.99	--	8.67	0.00	100.32	<250	<750	<50	--	--	--	--	--	<1
3/11/99		108.99	--	7.56	0.00	101.43	<250	<500	<80	--	--	--	--	--	<1
5/25/99		108.99	--	8.82	0.00	100.17	<250	<1,600	<80	--	--	--	--	--	--
8/17/99		108.99	--	9.51	0.00	99.48	<250	<500	<80	--	--	--	--	--	<1
11/19/99		108.99	--	7.08	0.00	101.91	<250	<500	<80	--	--	--	--	--	<1
3/9/00		108.99	--	7.59	0.00	101.40	<250	<500	<80	--	--	--	--	--	<1
6/12/00		108.99	--	8.00	0.00	100.99	<250	<500	<80	--	--	--	--	--	<1
9/26/00		108.99	--	9.74	0.00	99.25	<250	<500	--	--	--	--	--	--	<1
12/13/00		108.99	--	8.91	0.00	100.08	<250	<500	--	--	--	--	--	--	<1
2/28/01		108.99	--	8.59	0.00	100.40	<250	<500	<80	--	--	--	--	--	<1
5/2/01		108.99	--	7.89	0.00	101.10	<250	<500	<80	--	--	--	--	--	<1
10/30/02		108.99	UNABLE TO LOCATE - PAVED OVER					--	--	--	--	--	--	--	--
1/23/03		108.99	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
4/18/03		108.99	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
7/11/03		108.99	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
10/31/03		108.99	UNABLE TO LOCATE - PAVED OVER					--	--	--	--	--	--	--	--
12/30/03		108.99	--	7.36	0.00	101.63	<50	--	--	<0.5	<0.5	<0.5	<1.5	--	<1.2
5/3/04		108.99	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
7/20/04		108.99	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
10/6/04		108.99	--	7.65	0.00	101.34	<79	<99	<50	--	--	--	--	--	--
7/18/05		108.99	--	9.20	0.00	99.79	<77	<96	<48	--	--	--	--	--	--
10/21/05		108.99	--	9.17	0.00	99.82	<82	<100	<48	--	--	--	--	--	--
9/5/07		108.99	--	9.83	0.00	99.16	<81	<100	<50	--	--	--	--	--	0.1
5/27-28/08		108.99	UNABLE TO LOCATE				--	--	--	--	--	--	--	--	--
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
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
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
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
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
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
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
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
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
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
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
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

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
B-2 (cont.)															
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
05/11/18	LFP	108.99	--	8.47	0.00	100.52	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.11
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-3															
2/14/91		108.46	--	--	0.00	--	<250	--	**98,000**	--	--	--	--	--	--
2/14/92		108.46	--	7.82	0.00	100.64	--	--	--	--	--	--	--	--	--
2/18/92		108.46	--	7.82	0.00	100.64	--	--	--	--	--	--	--	--	--
3/9/92		108.46	--	7.55	0.00	100.91	--	--	--	--	--	--	--	--	--
3/13/92		108.46	--	7.82	0.00	100.64	**31,000**	--	**28,000**	--	--	--	--	--	--
4/21/92		108.46	--	7.50	0.00	100.96	--	--	--	--	--	--	--	--	--
3/3/94		108.46	--	--	0.00	--	**3,940**	<750	**43,000**	--	--	--	--	--	--
8/23/95		108.46	--	8.93	0.00	99.53	**2,600**	<750	**46,000**	--	--	--	--	--	--
11/28/95		108.46	--	7.12	0.00	101.34	**1,500**	<750	**63,000**	--	--	--	--	--	--
3/12/96		108.46	--	7.85	0.00	100.61	**900**	<750	**42,000**	--	--	--	--	--	--
6/27/96		108.46	--	8.67	0.00	99.79	**1,510**	**1,080**	**37,900**	--	--	--	--	--	--

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
B-3 (cont.)															
10/10/96		108.46	--	8.97	0.00	99.49	**729**	<750	**16,200**	--	--	--	--	--	--
2/12/97		108.46	--	7.55	0.00	100.91	**4,060**	**986**	**35,200**	--	--	--	--	--	--
4/22/97		108.46	--	7.30	0.00	101.16	**3,980**	**767**	**31,900**	--	--	--	--	--	--
8/2/97		108.46	--	9.05	0.00	99.41	**3,370**	**1,270**	**20,400**	--	--	--	--	--	--
11/11/97		108.46	--	6.76	0.00	101.70	**3,230**	**777**	**28,400**	--	--	--	--	--	--
2/11/98		108.46	--	7.54	0.00	100.92	**3,240**	**1,460**	**28,400**	--	--	--	--	--	--
5/28/98		108.46	--	7.76	0.00	100.70	**3,360**	<750	**34,600**	--	--	--	--	**29.5**	--
8/20/98		108.46	--	10.30	0.00	98.16	**2,150**	<750	**32,900**	--	--	--	--	<1.89	--
11/19/98		108.46	--	8.39	0.00	100.07	**6,650**	<3,750	**23,800**	--	--	--	--	--	--
3/11/99		108.46	--	7.15	0.00	101.31	**2,920**	<5,000	**17,000**	--	--	--	--	--	--
5/25/99		108.46	--	8.50	0.00	99.96	**1,850**	--	**30,500**	--	--	--	--	--	--
8/17/99		108.46	--	9.15	0.00	99.31	**2,570**	**711**	**29,600**	--	--	--	--	--	--
11/19/99		108.46	--	6.76	0.00	101.70	**7,880**	--	**30,700**	--	--	--	--	--	--
3/9/00		108.46	--	7.24	0.00	101.22	<250	<500	**10,400**	--	--	--	--	--	--
6/13/00		108.46	--	8.15	0.00	100.31	<250	<500	**23,000**	--	--	--	--	--	--
9/26/00		108.46	--	9.35	0.00	99.11	<250	<500	--	--	--	--	--	--	--
12/13/00		108.46	--	8.58	0.00	99.88	<250	<500	**21,600**	--	--	--	--	--	--
2/28/01		108.46	--	8.28	0.00	100.18	<250	<500	**25,700**	--	--	--	--	--	--
5/2/01		108.46	--	7.79	0.00	100.67	<250	<500	**17,200**	--	--	--	--	--	--
10/30/02		108.46	UNABLE TO LOCATE - PAVED OVER					--	--	--	--	--	--	--	--
1/23/03		108.46	UNABLE TO LOCATE - PAVED OVER					--	--	--	--	--	--	--	--
4/18/03		108.46	UNABLE TO LOCATE - PAVED OVER					--	--	--	--	--	--	--	--
7/11/03		108.46	UNABLE TO LOCATE - PAVED OVER					--	--	--	--	--	--	--	--
10/31/03		108.46	UNABLE TO LOCATE - PAVED OVER					--	--	--	--	--	--	--	--
12/30/03		108.46	--	7.04	0.00	101.42	**14,000**	**3,800**	<980	<5.0	1.9	130	61	--	**17.3**
5/3/04		108.46	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
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]
10/6/04		108.46	--	8.68	0.00	99.78	**1,200**	<500	**13,000**	--	--	--	--	--	--
1/27/05		108.46	--	7.70	0.00	100.76	**1,100**	<190	**6,200**	--	--	--	--	--	--
4/12/05		108.46	--	7.21	0.00	101.25	**1,200**	<100	**5,300**	--	--	--	--	--	--
7/18/05		108.46	--	8.83	0.00	99.63	**1,200**	<97	**6,400**	--	--	--	--	--	--
10/21/05		108.46	--	8.85	0.00	99.61	**2,400**	<510	**8,900**	--	--	--	--	--	--
9/4/07		108.46	--	9.41	0.00	99.05	**1,500**	<200	**10,000**	--	--	--	--	--	--
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**
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**

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
B-3 (cont.)															
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**
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**
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
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**
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**
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
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
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**
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
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
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
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
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
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
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
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
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
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
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
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**
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
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
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
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
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
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
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
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
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
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
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
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
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
05/11/18	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
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

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GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
B-4															
2/14/91		107.68	--	--	0.00	--	<250	--	**33,000**	--	--	--	--	--	--
2/14/92		107.68	--	6.82	0.00	100.86	--	--	--	--	--	--	--	--	--
2/18/92		107.68	--	5.94	0.00	101.74	--	--	--	--	--	--	--	--	--
3/9/92		107.68	--	6.62	0.00	101.06	--	--	--	--	--	--	--	--	--
3/13/92		107.68	--	6.88	0.00	100.80	--	--	**21,000**	--	--	--	--	--	--
4/21/92		107.68	--	6.57	0.00	101.11	--	--	--	--	--	--	--	--	--
3/3/94		107.68	--	--	0.00	--	**1,040**	**1,250**	**15,800**	--	--	--	--	--	--
8/22/95		107.68	--	7.92	0.00	99.76	**840**	**820**	**22,000**	--	--	--	--	--	--
11/28/95		107.68	--	6.11	0.00	101.57	**1,900**	**990**	**22,000**	--	--	--	--	--	3.1
3/12/96		107.68	--	6.85	0.00	100.83	**3,200**	**2,500**	**11,000**	--	--	--	--	--	4.7
6/26/96		107.68	--	7.58	0.00	100.10	**757**	<750	**16,100**	--	--	--	--	--	2.83
10/9/96		107.68	--	7.90	0.00	99.78	**543**	<750	**10,200**	--	--	--	--	--	4.13
2/12/97		107.68	--	6.01	0.00	101.67	**4,710**	**4,830**	**12,200**	--	--	--	--	--	2.82
4/22/97		107.68	--	10.10	0.00	97.58	**5,840**	**1,191**	**15,500**	--	--	--	--	--	4.18
8/5/97		107.68	--	8.37	0.00	99.31	**2,560**	**3,160**	**15,800**	--	--	--	--	--	6.26
11/11/97		107.68	--	7.67	0.00	100.01	**2,080**	**1,040**	**31,100**	--	--	--	--	--	4.75
2/11/98		107.68	--	6.45	0.00	101.23	**1,340**	**1,630**	**3,750**	--	--	--	--	--	<2.0
5/28/98		107.68	--	7.25	0.00	100.43	**3,180**	**1,250**	**2,510**	--	--	--	--	--	4.69
8/20/98		107.68	--	9.12	0.00	98.56	**1,460**	**1,240**	**7,240**	--	--	--	--	--	1.17
11/19/98		107.68	--	7.22	0.00	100.46	**2,470**	**3,750**	**1,880**	--	--	--	--	--	<1.0
3/11/99		107.68	--	5.41	0.00	102.27	**1,130**	**585**	**11,900**	--	--	--	--	--	3.54
5/25/99		107.68	--	7.45	0.00	100.23	<1,450	--	**5,380**	--	--	--	--	--	--
8/17/99		107.68	--	8.06	0.00	99.62	**670**	**868**	**2,700**	--	--	--	--	--	2.3
11/19/99		107.68	--	5.75	0.00	101.93	**1,700**	--	**11,400**	--	--	--	--	--	**17.5**
3/9/00		107.68	--	6.34	0.00	101.34	<1,250	**2,830**	**105,000**	--	--	--	--	--	10.9
6/13/00		107.68	--	6.80	0.00	100.88	<250	**943**	**8,810**	--	--	--	--	--	6.92
9/26/00		107.68	--	8.31	0.00	99.37	<250	0.565	--	--	--	--	--	--	5
12/13/00		107.68	--	7.54	0.00	100.14	**1,250**	<500	--	--	--	--	--	--	5.98
2/28/01		107.68	--	7.24	0.00	100.44	<250	<500	**12,100**	--	--	--	--	--	5.34
5/2/01		107.68	--	6.59	0.00	101.09	**15,700**	**757**	**12,300**	--	--	--	--	--	5.75
10/30/02		107.68	UNABLE TO LOCATE - PAVED OVER					--	--	--	--	--	--	--	--
1/23/03		107.68	UNABLE TO LOCATE - PAVED OVER					--	--	--	--	--	--	--	--
4/18/03		107.68	UNABLE TO LOCATE - PAVED OVER					--	--	--	--	--	--	--	--
7/11/03		107.68	UNABLE TO LOCATE - PAVED OVER					--	--	--	--	--	--	--	--
10/31/03		107.68	UNABLE TO LOCATE - PAVED OVER					--	--	--	--	--	--	--	--

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
B-4 (cont.)															
12/30/03		107.68	--	6.07	0.00	101.61	**17,000**	**2,000**	**1,700**	<10	<5.0	310	370	--	7.5
5/3/04		107.68	UNABLE TO LOCATE - PAVED OVER					--	--	--	--	--	--	--	--
7/20/04		107.68	--	8.23	0.00	99.45	<250	<500	**4,660**	**15.1**	1.3	42.3	10.1	--	--
10/6/04		107.68	--	7.45	0.00	100.23	390	180	**2,300**	--	--	--	--	--	--
1/27/05		107.68	--	6.72	0.00	100.96	200	<195	**2,800**	--	--	--	--	--	--
4/12/05		107.68	--	6.62	0.00	101.06	340	<100	**2,600**	--	--	--	--	--	--
7/18/05		107.68	--	6.62	0.00	101.06	**560**	<1,100	**1,600**	--	--	--	--	--	--
10/21/05		107.68	--	7.81	0.00	99.87	190	260	**1,800**	--	--	--	--	--	--
9/4/07		107.68	--	8.40	0.00	99.28	310	<100	**3,200**	--	--	--	--	--	1.8
9/4/07 (D)		107.68	--	8.40	0.00	99.28	340	140	**3,300**	--	--	--	--	--	1.7
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
B-4 (cont.)															
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
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
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
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
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
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
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
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
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
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
05/11/18	LFP	107.68	--	7.39	0.00	100.29	180/**650**	260/**700**	**3,600**	4	<0.5	1	<0.5	--	0.97
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
MW-101															
2/14/92		99.51	--	6.94	--	92.57	**33,000**	--	**45,000**	--	--	--	--	--	--
2/18/92		99.51	--	6.88	--	92.63	--	--	--	--	--	--	--	--	--
3/9/92		99.51	--	6.76	--	92.75	--	--	--	--	--	--	--	--	--
3/13/92		99.51	--	7.02	--	92.49	--	--	--	--	--	--	--	--	--
4/21/92		99.51	--	7.73	--	91.78	--	--	--	--	--	--	--	--	--
3/3/94		99.51	--	--	--	--	**1,730**	<750	**73,000**	--	--	--	--	--	--
8/22/95		99.51	--	7.90	--	91.61	**1,300**	<750	**12,000**	--	--	--	--	--	--
11/28/95		99.51	--	6.12	--	93.39	**1,400**	<750	**49,000**	--	--	--	--	--	**24**
3/12/96		99.51	--	6.86	--	92.65	**760**	<750	**43,000**	--	--	--	--	--	9.3
6/26/96		99.51	--	7.59	--	91.92	**656**	<750	**22,000**	--	--	--	--	--	8.22
10/9/96		99.51	--	7.85	--	91.66	309	<750	**5,800**	--	--	--	--	--	4.24
2/12/97		99.51	--	6.55	--	92.96	**1,090**	<750	**33,900**	--	--	--	--	--	7.04
4/22/97		99.51	--	6.31	--	93.20	**1,870**	**977**	**21,500**	--	--	--	--	--	7.41
11/11/97		99.51	--	6.76	--	92.75	**952**	<750	**23,400**	--	--	--	--	--	11.3
2/11/98		99.51	--	6.78	--	92.73	**793**	<750	**28,400**	--	--	--	--	--	6.51
5/28/98		99.51	--	6.91	--	92.60	**798**	<750	**11,900**	--	--	--	--	--	4.71
8/20/98		99.51	--	8.30	--	91.21	414	<750	**4,400**	--	--	--	--	--	1.6

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-101 (cont.)															
11/19/98		99.51	--	7.69	--	91.82	**714**	<750	**5,820**	--	--	--	--	--	1.7
3/11/99		99.51	--	6.17	--	93.34	**1,200**	<500	**38,500**	--	--	--	--	--	6.82
5/25/99		99.51	--	100.97	--	-1.46	**1,450**	--	**18,000**	--	--	--	--	--	--
8/17/99		99.51	--	7.99	--	91.52	**810**	**750**	**2,940**	--	--	--	--	--	2.9
11/19/99		99.51	--	5.84	--	93.67	**1,010**	--	**16,300**	--	--	--	--	--	**15.4**
3/9/00		99.51	--	6.25	--	93.26	<250	<500	**15,800**	--	--	--	--	--	13
6/13/00		99.51	--	6.98	--	92.53	<250	<500	**4,870**	--	--	--	--	--	4.3
9/26/00		99.51	--	8.15	--	91.36	--	<250	<500	--	--	--	--	--	1.88
12/13/00		99.51	--	7.65	--	91.86	**988**	442	<500	--	--	--	--	--	1.13
2/28/01		99.51	--	7.25	--	92.26	<250	<500	**2,710**	--	--	--	--	--	2.45
5/2/01		99.51	--	9.55	--	89.96	<250	<500	**2,280**	--	--	--	--	--	2.6
10/30/02		99.54	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
1/23/03		99.54	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
4/18/03		99.54	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
7/11/03		99.54	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
10/31/03		99.54	UNABLE TO LOCATE - POSSIBLY PAVED OVER						--	--	--	--	--	--	--
12/30/03		99.54	--	6.04	0.00	93.50	**13,000**	**890**	<96	<5.0	0.6	260	290	--	**27.9**
5/3/04		99.54	UNABLE TO LOCATE - POSSIBLY PAVED OVER						--	--	--	--	--	--	--
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]
10/6/04		99.51	--	7.54	0.00	91.97	<81	<100	<260	--	--	--	--	--	--
1/27/05		99.51	--	6.78	0.00	92.73	190	<100	**2,900**	--	--	--	--	--	--
4/12/05		99.51	--	6.32	0.00	93.19	160	<100	**1,700**	--	--	--	--	--	--
7/18/05		99.51	--	7.78	0.00	91.73	93	<99	240	--	--	--	--	--	--
10/21/05		99.51	--	7.75	0.00	91.76	110	<100	470	--	--	--	--	--	--
9/5/07		99.51	--	8.22	0.00	91.29	110	140	200	--	--	--	--	--	1.2
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
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
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
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
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
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
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
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
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
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
MONITORING WELL DECOMMISSIONED/SAMPLING DISCONTINUED															

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-102															
2/14/92		--	--	6.94	0.00	--	--	--	--	--	--	--	--	--	--
2/18/92		--	--	6.88	0.00	--	--	--	--	--	--	--	--	--	--
3/9/92		--	--	6.76	0.00	--	--	--	--	--	--	--	--	--	--
3/13/92		--	--	7.02	0.00	--	--	--	150	--	--	--	--	--	--
4/21/92		--	--	7.72	0.00	--	--	--	--	--	--	--	--	--	--
NOT PART OF MONITORING/SAMPLING PROGRAM															
MW-104															
2/14/92		100.45	--	8.86	0.00	91.59	--	--	--	--	--	--	--	--	--
2/18/92		100.45	--	8.84	0.00	91.61	--	--	--	--	--	--	--	--	--
3/9/92		100.45	--	8.73	0.00	91.72	--	--	--	--	--	--	--	--	--
3/13/92		100.45	--	8.84	0.00	91.61	--	--	<50	--	--	--	--	--	--
4/21/92		100.45	--	8.72	0.00	91.73	--	--	--	--	--	--	--	--	--
8/22/95		100.45	--	9.30	0.00	91.15	<250	<750	<50	--	--	--	--	--	--
11/27/95		100.45	--	8.39	0.00	92.06	--	--	--	--	--	--	--	--	--
3/12/96		100.45	--	8.78	0.00	91.67	--	--	--	--	--	--	--	--	--
6/27/96		100.45	--	9.00	0.00	91.45	--	--	--	--	--	--	--	--	--
10/10/96		100.45	--	9.18	0.00	91.27	--	--	--	--	--	--	--	--	--
2/12/97		100.45	--	8.65	0.00	91.80	<250	<750	<50	--	--	--	--	--	<2.0
4/22/97		100.45	--	8.50	0.00	91.95	<250	<750	<50	--	--	--	--	--	<2.0
8/5/97		100.45	--	9.20	0.00	91.25	<250	<750	<50	--	--	--	--	--	<2.0
11/11/97		100.45	--	8.81	0.00	91.64	<250	<750	<50	--	--	--	--	--	<2.0
2/11/98		100.45	--	8.83	0.00	91.62	<250	<750	<50	--	--	--	--	--	<2.0
5/28/98		100.45	--	8.97	0.00	91.48	<250	<750	<50	--	--	--	--	--	9.54
8/20/98		100.45	--	9.51	0.00	90.94	<250	<750	<50	--	--	--	--	--	<1.0
11/19/98		100.45	--	9.82	0.00	90.63	<250	<750	<50	--	--	--	--	--	<1.0
3/11/99		100.45	--	8.48	0.00	91.97	<250	<500	<80	--	--	--	--	--	<1.0
5/25/99		100.45	--	8.96	0.00	91.49	<250	--	<80	--	--	--	--	--	--
8/17/99		100.45	--	9.24	0.00	91.21	<250	<500	<80	--	--	--	--	--	<1.0
11/19/99		100.45	--	8.40	0.00	92.05	<250	--	<80	--	--	--	--	--	1.0
3/9/00		100.45	--	8.49	0.00	91.96	<250	<50	<80	--	--	--	--	--	<1.0
6/13/00		100.45	--	8.89	0.00	91.56	<250	<500	<80	--	--	--	--	--	<1.0
9/26/00		100.45	--	9.32	0.00	91.13	<250	<500	--	--	--	--	--	--	<1.0
12/13/00		100.45	--	9.09	0.00	91.36	<250	<500	--	--	--	--	--	--	<1.0
2/28/01		100.45	--	8.89	0.00	91.56	<250	<500	<80	--	--	--	--	--	<1.0
5/2/01		100.45	--	8.79	0.00	91.66	<250	<500	103	--	--	--	--	--	<1.0

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COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-104 (cont.)															
10/30/02		100.44	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
1/23/03		100.44	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
4/18/03		100.44	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
7/11/03		100.44	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
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]
12/30/03		100.44	--	8.39	0.00	92.05	<50	<77	<96	<0.5	<0.5	<0.5	<1.5	--	<1.2
5/3/04		100.44	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
7/20/04		100.44	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
10/7/04		100.45	--	9.09	0.00	91.36	<83	<100	<50	--	--	--	--	--	--
10/20/05		100.45	--	9.19	0.00	91.26	<82	<100	<48	--	--	--	--	--	--
9/6/07		100.45	--	9.42	0.00	91.03	<79	<98	<50	--	--	--	--	--	0.087
5/27-28/08		100.45	INACCESSIBLE			--	--	--	--	--	--	--	--	--	--
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
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
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
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
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
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
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
MONITORING WELL DECOMMISSIONED/SAMPLING DISCONTINUED															
MW-105															
2/14/92		96.14	--	3.36	0.00	92.78	--	--	--	--	--	--	--	--	--
2/18/92		96.14	--	3.34	0.00	92.80	--	--	--	--	--	--	--	--	--
3/9/92		96.14	--	3.25	0.00	92.89	--	--	--	--	--	--	--	--	--
3/13/92		96.14	--	3.60	0.00	92.54	--	--	<50	--	--	--	--	--	--
4/21/92		96.14	--	3.40	0.00	92.74	--	--	--	--	--	--	--	--	--
8/22/95		96.14	--	5.08	0.00	91.06	<250	**900**	<50	--	--	--	--	--	--
11/28/95		96.14	--	2.53	0.00	93.61	--	--	--	--	--	--	--	--	--
3/12/96		96.14	--	3.37	0.00	92.77	--	--	--	--	--	--	--	--	--
6/26/96		96.14	--	4.74	0.00	91.40	--	--	--	--	--	--	--	--	--
10/9/96		96.14	--	4.93	0.00	91.21	--	--	--	--	--	--	--	--	--
2/12/97		96.14	--	3.19	0.00	92.95	<250	<750	<50	--	--	--	--	--	2
4/22/97		96.14	--	3.08	0.00	93.06	<250	<750	<50	--	--	--	--	--	2
8/5/97		96.14	--	4.85	0.00	91.29	<250	<750	<50	--	--	--	--	--	2
11/11/97		96.14	--	3.11	0.00	93.03	<250	<750	<50	--	--	--	--	--	2

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-105 (cont.)															
2/11/98		96.14	--	3.24	0.00	92.90	<250	<750	<50	--	--	--	--	--	2
5/28/98		96.14	--	3.91	0.00	92.23	<250	<750	<50	--	--	--	--	--	6.62
8/20/98		96.14	--	5.28	0.00	90.86	<250	<750	<50	--	--	--	--	--	<1.00
11/19/98		96.14	--	5.37	0.00	90.77	<250	<750	<50	--	--	--	--	--	<1.00
3/11/99		96.14	--	2.43	0.00	93.71	<250	<500	<80	--	--	--	--	--	<1.00
5/25/99		96.14	--	4.29	0.00	91.85	<250	--	<80	--	--	--	--	--	--
8/17/99		96.14	--	5.06	0.00	91.08	<250	<500	<80	--	--	--	--	--	<1.00
11/19/99		96.14	--	3.08	0.00	93.06	<250	--	<80	--	--	--	--	--	<1.00
3/9/00		96.14	--	2.75	0.00	93.39	<250	<500	<80	--	--	--	--	--	<1.00
6/13/00		96.14	--	4.45	0.00	91.69	<250	<500	<80	--	--	--	--	--	<1.00
9/26/00		96.14	--	5.20	0.00	90.94	<250	<500	--	--	--	--	--	--	<1.00
12/13/00		96.14	--	4.67	0.00	91.47	<250	<500	--	--	--	--	--	--	1.37
2/28/01		96.14	--	3.92	0.00	92.22	<250	<500	<80	--	--	--	--	--	<1.00
5/2/01		96.14	--	3.53	0.00	92.61	<250	<750	87	--	--	--	--	--	<1.00
10/30/02		96.15	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
1/23/03		96.15	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
4/18/03		96.15	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
7/11/03		96.15	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
10/31/03		96.15	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
12/31/03		96.15	--	2.45	0.00	93.70	<50	<400	<500	<0.5	<0.5	<0.5	<1.5	--	<1.2
5/3/04		96.15	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
7/20/04		96.15	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
10/7/04		96.14	--	4.71	0.00	91.43	<160	<200	<50	--	--	--	--	--	--
10/20/05		96.14	--	5.16	0.00	90.98	<82	<100	<48	--	--	--	--	--	--
9/6/07		96.14	--	5.34	0.00	90.80	<100	<81	<50	--	--	--	--	--	0.47
5/27-28/08		96.14	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
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
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
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
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
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
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
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
MONITORING WELL DECOMMISSIONED/SAMPLING DISCONTINUED															

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-106															
2/14/92		99.71	--	8.18	0.00	91.53	--	--	--	--	--	--	--	--	--
2/18/92		99.71	--	8.20	0.00	91.51	--	--	--	--	--	--	--	--	--
3/9/92		99.71	--	8.04	0.00	91.67	--	--	--	--	--	--	--	--	--
3/13/92		99.71	--	8.18	0.00	91.53	--	--	<50	--	--	--	--	--	--
4/21/92		99.71	--	8.02	0.00	91.69	--	--	--	--	--	--	--	--	--
8/22/95		99.71	--	8.79	0.00	90.92	<250	<750	<50	--	--	--	--	--	--
11/28/95		99.71	--	7.63	0.00	92.08	--	--	--	--	--	--	--	--	--
3/12/96		99.71	--	8.04	0.00	91.67	<250	<750	<50	--	--	--	--	--	<2.0
6/26/96		99.71	--	8.61	0.00	91.10	<250	<750	<50	--	--	--	--	--	<2.0
10/9/96		99.71	--	8.65	0.00	91.06	<250	<750	<50	--	--	--	--	--	2.16
2/12/97		99.71	--	7.95	0.00	91.76	<250	<750	<50	--	--	--	--	--	<2.0
4/22/97		99.71	--	7.73	0.00	91.98	<250	<750	<50	--	--	--	--	--	<2.0
8/5/97		99.71	--	8.68	0.00	91.03	<250	<750	<50	--	--	--	--	--	<2.0
11/11/97		99.71	--	8.07	0.00	91.64	<250	<750	<50	--	--	--	--	--	<2.0
2/11/98		99.71	--	8.12	0.00	91.59	<250	<750	<50	--	--	--	--	--	<2.0
5/28/98		99.71	--	8.35	0.00	91.36	<250	<750	<50	--	--	--	--	--	4.53
8/20/98		99.71	--	8.96	0.00	90.75	<250	<750	<50	--	--	--	--	--	<1.0
11/19/98		99.71	--	9.37	0.00	90.34	<250	<750	<50	--	--	--	--	--	<1.0
3/11/99		99.71	--	7.70	0.00	92.01	<250	<50	<80	--	--	--	--	--	1.1
5/25/99		99.71	--	8.32	0.00	91.39	<250	--	<80	--	--	--	--	--	--
8/17/99		99.71	--	8.70	0.00	91.01	<250	<500	<80	--	--	--	--	--	<1.0
11/19/99		99.71	--	7.88	0.00	91.83	<250	--	<80	--	--	--	--	--	<1.0
3/9/00		99.71	--	7.74	0.00	91.97	<250	<500	<80	--	--	--	--	--	<1.0
6/13/00		99.71	--	8.39	0.00	91.32	<250	<500	<80	--	--	--	--	--	<1.0
9/26/00		99.71	--	8.79	0.00	90.92	<250	<500	--	--	--	--	--	--	<1.0
12/13/00		99.71	--	8.51	0.00	91.20	<250	<500	--	--	--	--	--	--	<1.0
2/28/01		99.71	--	8.18	0.00	91.53	<250	<500	<80	--	--	--	--	--	<2.0
5/2/01		99.71	--	8.17	0.00	91.54	<250	<500	88	--	--	--	--	--	<1.0
10/30/02		99.73	--	8.98	0.00	90.75	<250	<500	<80	<0.500	<0.500	<0.500	<1.00	--	<1.0
1/23/03		99.73	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
4/18/03		99.73	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
7/11/03		99.73	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
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]
12/31/03		99.73	--	7.54	0.00	92.19	<50	<78	<98	<0.5	<0.5	<0.5	<1.5	--	<1.2

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-106 (cont.)															
5/3/04		99.73	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
7/20/04		99.73	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
10/7/04		99.71	--	8.50	0.00	91.21	<78	<97	<50	--	--	--	--	--	--
10/20/05		99.71	--	8.70	0.00	91.01	<82	<100	<48	--	--	--	--	--	--
9/6/07		99.71	--	8.88	0.00	90.83	<80	<100	<50	--	--	--	--	--	0.13
5/27-28/08		99.71	INACCESSIBLE			--	--	--	--	--	--	--	--	--	--
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
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
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
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
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
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
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
MONITORING WELL DECOMMISSIONED/SAMPLING DISCONTINUED															
MW-107															
2/14/92		100.00	--	8.50	0.00	91.50	--	--	--	--	--	--	--	--	--
2/18/92		100.00	--	8.50	0.00	91.50	--	--	--	--	--	--	--	--	--
3/9/92		100.00	--	8.36	0.00	91.64	--	--	--	--	--	--	--	--	--
3/13/92		100.00	--	8.52	0.00	91.48	--	--	<50	--	--	--	--	--	--
4/21/92		100.00	--	8.36	0.00	91.64	--	--	--	--	--	--	--	--	--
8/22/95		100.00	--	9.06	0.00	90.94	<250	<750	<50	--	--	--	--	--	--
11/28/95		100.00	--	8.00	0.00	92.00	--	--	--	--	--	--	--	--	--
3/12/96		100.00	--	8.36	0.00	91.64	--	--	--	--	--	--	--	--	--
6/26/96		100.00	--	8.89	0.00	91.11	--	--	--	--	--	--	--	--	--
10/9/96		100.00	--	8.94	0.00	91.06	--	--	--	--	--	--	--	--	--
2/12/97		100.00	--	8.25	0.00	91.75	<250	<750	<50	--	--	--	--	--	<2.0
4/22/97		100.00	--	8.05	0.00	91.95	<250	<750	<50	--	--	--	--	--	<2.0
8/5/97		100.00	--	8.95	0.00	91.05	<250	<809	<50	--	--	--	--	--	<2.0
11/11/97		100.00	--	8.37	0.00	91.63	<250	**750**	<50	--	--	--	--	--	<2.0
2/11/98		100.00	--	8.44	0.00	91.56	351	**750**	<50	--	--	--	--	--	<2.0
5/28/98		100.00	--	8.73	0.00	91.27	<250	**754**	<50	--	--	--	--	--	--
8/20/98		100.00	--	9.24	0.00	90.76	<250	**750**	<50	--	--	--	--	--	1
11/19/98		100.00	--	9.65	0.00	90.35	<250	**750**	<50	--	--	--	--	--	<1.0
3/11/99		100.00	--	8.08	0.00	91.92	**539**	**750**	<80	--	--	--	--	--	<1.0
5/25/99		100.00	--	8.82	0.00	91.18	<250	<500	<80	--	--	--	--	--	--

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-107 (cont.)															
8/17/99		100.00	--	8.10	0.00	91.90	<250	--	<80	--	--	--	--	--	<1.0
11/19/99		100.00	--	8.21	0.00	91.79	<250	<500	<80	--	--	--	--	--	<1.0
3/9/00		100.00	--	8.08	0.00	91.92	<250	--	<80	--	--	--	--	--	<1.0
6/13/00		100.00	--	8.88	0.00	91.12	<250	<500	<80	--	--	--	--	--	<1.0
9/26/00		100.00	--	9.07	0.00	90.93	<250	<500	--	--	--	--	--	--	<1.0
12/13/00		100.00	--	8.78	0.00	91.22	<250	<500	--	--	--	--	--	--	<1.0
2/28/01		100.00	--	8.63	0.00	91.37	<250	<500	<80	--	--	--	--	--	<1.0
5/2/01		100.00	--	8.63	0.00	91.37	<250	<500	88	--	--	--	--	--	<1.0
10/30/02		100.00	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
1/23/03		100.00	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
4/18/03		100.00	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
7/11/03		100.00	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
10/31/03		100.00	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--
12/31/03		100.00	--	7.92	0.00	92.08	<50	85	150	<0.5	<0.5	<0.5	<1.5	--	<1.2
5/3/04		100.00	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
7/20/04		100.00	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
10/7/04		100.00	--	8.78	0.00	91.22	<80	<100	<50	--	--	--	--	--	--
10/20/05		100.00	--	8.97	0.00	91.03	<81	<100	<48	--	--	--	--	--	--
9/6/07		100.00	--	9.18	0.00	90.82	<78	<98	<50	--	--	--	--	--	0.07
5/27-28/08		100.00	INACCESSIBLE			--	--	--	--	--	--	--	--	--	--
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
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
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
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
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
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
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
MONITORING WELL DECOMMISSIONED/SAMPLING DISCONTINUED															

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-108															
2/14/92		99.79	--	8.10	0.00	91.69	--	--	--	--	--	--	--	--	--
2/18/92		99.79	--	8.62	0.00	91.17	--	--	--	--	--	--	--	--	--
3/9/92		99.79	--	8.49	0.00	91.30	--	--	--	--	--	--	--	--	--
3/13/92		99.79	--	8.63	0.00	91.16	--	--	<50	--	--	--	--	--	--
4/21/92		99.79	--	8.47	0.00	91.32	--	--	--	--	--	--	--	--	--
8/22/95		99.79	--	9.04	0.00	90.75	<250	<750	<50	--	--	--	--	--	--
11/28/95		99.79	--	7.98	0.00	91.81	--	--	--	--	--	--	--	--	--
3/12/96		99.79	--	8.50	0.00	91.29	--	--	--	--	--	--	--	--	--
6/26/96		99.79	--	8.86	0.00	90.93	--	--	--	--	--	--	--	--	--
10/9/96		99.79	--	8.91	0.00	90.88	--	--	--	--	--	--	--	--	--
2/12/97		99.79	--	8.41	0.00	91.38	<250	<750	<50	--	--	--	--	--	<2.0
4/22/97		99.79	--	8.08	0.00	91.71	<250	<750	<50	--	--	--	--	--	<2.0
8/5/97		99.79	--	8.94	0.00	90.85	<250	**825**	<50	--	--	--	--	--	<2.0
11/11/97		99.79	--	8.53	0.00	91.26	<250	<750	<50	--	--	--	--	--	<2.0
2/11/98		99.79	--	8.59	0.00	91.20	<250	**873**	<50	--	--	--	--	--	<2.0
5/28/98		99.79	--	8.72	0.00	91.07	<250	<750	<50	--	--	--	--	--	4.27
8/20/98		99.79	--	9.20	0.00	90.59	<250	<750	<50	--	--	--	--	--	<1.0
11/19/98		99.79	--	9.60	0.00	90.19	<250	<750	<50	--	--	--	--	--	<1.0
3/11/99		99.79	--	8.16	0.00	91.63	<250	<500	<80	--	--	--	--	--	<1.0
5/25/99		99.79	--	8.69	0.00	91.10	<250	--	<80	--	--	--	--	--	--
8/17/99		99.79	--	8.96	0.00	90.83	<250	<500	<80	--	--	--	--	--	<1.0
11/19/99		99.79	--	8.08	0.00	91.71	<250	--	<80	--	--	--	--	--	<1.0
3/9/00		99.79	--	8.16	0.00	91.63	<250	<500	<80	--	--	--	--	--	<1.0
6/13/00		99.79	--	8.69	0.00	91.10	<250	<500	<80	--	--	--	--	--	<1.0
9/26/00		99.79	--	9.04	0.00	90.75	<250	<500	--	--	--	--	--	--	<1.0
12/13/00		99.79	--	8.81	0.00	90.98	<250	<500	--	--	--	--	--	--	<1.0
2/28/01		99.79	--	8.60	0.00	91.19	<250	<500	<80	--	--	--	--	--	<1.0
5/2/01		99.79	--	8.53	0.00	91.26	<250	<500	<80	--	--	--	--	--	<1.0
10/30/02		99.79	--	9.24	0.00	90.55	<250	<500	<80	<0.500	<0.500	<0.500	<1.0	--	<1.0
1/23/03		99.79	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
4/18/03		99.79	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
7/11/03		99.79	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
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]
12/31/03		99.79	--	7.95	0.00	91.84	<50	<77	<97	<0.5	<0.5	<0.5	<1.5	--	<1.2

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-108 (cont.)															
5/3/04		99.79	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
7/20/04		99.79	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--
10/7/04		99.79	--	8.80	0.00	90.99	<80	<100	<50	--	--	--	--	--	--
10/20/05		99.79	--	8.89	0.00	90.90	<81	<100	<48	--	--	--	--	--	--
10/20/05 (D)		99.79	--	8.89	0.00	90.90	<81	<100	<48	--	--	--	--	--	--
9/6/07		99.79	--	9.15	0.00	90.64	<80	<100	<50	--	--	--	--	--	0.12
5/27-28/08		99.79	INACCESSIBLE			--	--	--	--	--	--	--	--	--	--
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
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
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
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
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
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
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
MONITORING WELL DECOMMISSIONED/SAMPLING DISCONTINUED															
TRIP BLANK															
10/30/02		--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/23/03		--	--	--	--	--	--	--	<80	<0.500	<0.500	<0.500	<1.0	--	--
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	--	--
10/31/03		--	--	--	--	--	--	--	<50	<0.500	<0.500	<0.500	<1.00	--	--
12/31/03		--	--	--	--	--	<50	--	--	<0.5	<0.5	<0.5	<1.5	--	--
5/3/04[6]		--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/20/04		--	--	--	--	--	--	--	<50	<0.500	<0.500	<0.500	<1.00	--	--
5/27-28/08		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
8/27-29/08		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/17-19/08		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
2/16-18/09		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
5/4-6/09		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
8/19-21/09		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/18-20/09		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
2/8-10/10		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
5/12-13/10		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
8/11/10		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
QA (cont.)															
11/3-4/10		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
2/3-4/11		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
5/23/11		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
8/23-24/11		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/7-9/11		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
2/6-8/12		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
5/2-4/12		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
8/1-3/12		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/26-28/12		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
2/4-6/13		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
5/6-8/13		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
9/9-13/13		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/18-22/13		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
2/4-11/14		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
6/12-14/14		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
8/18-21/14		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/19-20/14		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
2/17-20/14		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
5/11-15/15		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
8/10-11/15		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/16-18/15		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
5/13-14/16		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/14/16		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
5/14/17		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/11-12/17		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/11/18		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/11-12/18		--	--	--	--	--	--	--	<19	<0.2	<0.2	<0.4	<1	--	--
Standard Laboratory Reporting Limits:							--	--	50	0.5	0.5	0.5	1.0	0.5	0.5
MTCA Method A Cleanup Levels:							500	500	800/1,000	5	1,000	700	1,000	20	15
Current Method:[7]							NWTPH-Dx Extended		NWTPH-Gx and USEPA 8260B						USEPA 6020

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	LNAPLT (ft.)	GWE[3] (ft.)	TPH-DRO[4]	TPH-HRO[4]	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead

Abbreviations:

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes
(D) = Duplicate
D. Lead = Dissolved Lead
DTP = Depth to Product
DTW = Depth to Water
(ft.) = Feet
GWE = Groundwater Elevation
LFP = Low Flow Purge
LNAPL = Light Non-Aqueous Phase Liquid
LNAPLT = LNAPL Thickness
(mg/L) = Milligrams per liter
MTBE = Methyl Tertiary Butyl Ether
MTCA = Model Toxics Control Act
QA = Quality Assurance/Trip Blank
T. Lead = Total Lead
TOC = Top of Casing
TPH = Total Petroleum Hydrocarbons
TPH-DRO = TPH as Diesel-Range Organics
TPH-GRO = TPH as Gasoline-Range Organics
TPH-HRO = TPH as Heavy Oil-Range Organics
USEPA = United States Environmental Protection Agency
µg/L = Micrograms per liter
-- = Not Measured/Not Analyzed

Notes:

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.

Attachment A:
Groundwater Monitoring and Sampling Data Package

GETTLER-RYAN INC.

TRANSMITTAL

November 27, 2018
G-R #17156773

TO: Mr. Russell Shrophire
Leidos, Inc.
18912 North Creek Parkway, Ste 101
Bothell, Washington 98011

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 **Second Semi Annual Event November 11 & 12, 2018**

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

GETTLER-RYAN INC.

CHEVRON - SITE CHECK LIST

Facility#:	**Chevron #211556** Date: 11/11/13 - 1/12/14
Address:	**101 Mulford Road**
City/St.:	**Toledo, WA**
Status of Site:	ACTIVE SHELL STATION / OPEN LOT

DRUMS:

Please list below ALL DRUMS on site:
(i.e., drum description, condition, labeling, contents and location of drums)

#	Description	Condition	Labeling	Contents/Capacity	Location
1	55gal DRUM	OK	MW Hzc	H_2O/70%	REFINING STATION
2	" "	↓	↓ ↓	EMPTY	↓

WELLS:

Please check the condition of ALL WELLS on site:
(i.e., gaskets, bolts, replaced well plug and/or well lock, well box condition and etc.)

Well ID	Gaskets (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Replaced Plug Y/N	Replaced Lock Y/N	Well Box Manufacturer/Size/# of Bolts	Other
MW-103	OK	OK	NO	NO	MORRIS / 8 / 3	
MW-109	↓	↓	↓	↓	↓	
MW-110	↓	↓	↓	↓	12	
MW-111	↓	↓	↓	↓	8	
MW-112	↓	↓	↓	↓	↓	
MW-113	↓	↓	↓	↓	↓ 12 ↓	
MW-114	UTL	UTL	UTL	UTL	UTL	
MW-115	~~OK~~	OK	NO	NO	MORRIS / 12 / 3	
MW-116	↓	↓	↓	↓	↓ 8 ↓	
MW-117	↓	↓	↓	↓	↓	
MW-118	↓	↓	↓	↓	↓	
MW-119	↓	↓	↓	↓	↓	
MW-120	↓	↓	↓	↓	↓	
B-1	↓	↓	↓	↓	↓	
B-2	↓	↓	↓	↓	↓	
B-3	↓	↓	↓	↓	↓	
B-4	↓	↓	↓	↓	↓ ↓ ↓	

Additional Comments/Observations: _____

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: 11/11-12/18 (inclusive)
City: Toledo, WA Sampler: GM

Well ID MW-103 Date Monitored: 11/11/18
Well Diameter (2)4 in.
Total Depth 18.36 ft.
Depth to Water 8.91 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.

9.45 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 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 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: 11/11-12/18 (inclusive)
City: Toledo, WA | Sampler: GM

Well ID: MW-109 | Date Monitored: 11/11/18
Well Diameter: (2) 4 in.
Total Depth: 12.60 ft.
Depth to Water: 7.47 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.

5.19 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	X
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): 1425 | Weather Conditions: COLD
Sample Time/Date: 1510 / 11/11/18 | Water Color: CLEAR Odor: Y / N
Approx. Flow Rate: 200 mlpm | Sediment Description: SL SILT
Did well de-water? NO If yes, Time: — Volume: — ltrs DTW @ Sampling: 7.53

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS) mS pmhos/cm)	Temperature (C) / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1443	3.6	6.13	215.1	15.7	4.11	161.6	7.52
1446	4.2	6.11	214.2	15.8	4.19	162.7	7.52
1449	4.8	6.09	213.5	15.8	4.25	163.4	7.53

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
	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: ≈ 10.0(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: 11/11-12/18 (inclusive)
City: Toledo, WA Sampler: GM

Well ID MW-110 Date Monitored: 11/11/18
Well Diameter 2 (4) in.
Total Depth 19.80 ft.
Depth to Water 9.30 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.

10.50 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 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 MID

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: 11/11-12/18 (inclusive)
City: Toledo, WA | Sampler: GM

Well ID: MW-111 | Date Monitored: 11/11/18
Well Diameter: 2 (4) in.
Total Depth: 17.75 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.

10.44 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: 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): 1720 | Weather Conditions: COLD
Sample Time/Date: 1805 / 11/12/18 | Water Color: CLEAR | Odor: (Y) (N) MODERATE
Approx. Flow Rate: 200 mlpm | Sediment Description: NONE
Did well de-water? No | If yes, Time: ~ | Volume: _____ ltrs | DTW @ Sampling: 7.33

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
1738	3.6	6.30	372.5	16.3	3.08	-11.2	7.33
1741	4.2	6.29	371.8	16.2	3.11	-10.6	7.33
1744	4.8	6.28	370.6	16.2	3.14	-9.1	7.33

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: ≈12.53ft.

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: 11/11-12/18 (inclusive)
City: Toledo, WA | Sampler: GM

Well ID: MW-112 | Date Monitored: 11/11/18
Well Diameter: (2) 4 in.
Total Depth: 17.31 ft.
Depth to Water: 7.81 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.

9.50 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	X
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): 1210 | Weather Conditions: COLD
Sample Time/Date: 1255 / 11/11/18 | Water Color: CLEAR Odor: Y (N) | NONE
Approx. Flow Rate: 200 mlpm | Sediment Description:
Did well de-water? NO If yes, Time: — Volume: — ltrs DTW @ Sampling: 7.86

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
1228	3.6	6.43	171.1	14.8	2.49	139.1	7.86
1231	4.2	6.42	170.2	14.8	2.56	140.5	7.86
1234	4.8	6.40	169.8	14.8	2.61	141.3	7.86

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: ≈ 12.56 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: 11/11-12/18 (inclusive)
City: Toledo, WA Sampler: GM

Well ID MW-113 Date Monitored: 11/11/18
Well Diameter 2(4) in.
Total Depth 18.10 ft.
Depth to Water 8.68 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.

9.42 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	X
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): 1315 Weather Conditions: COLD
Sample Time/Date: 1400/11/11/18 Water Color: CLEAR Odor: Y / (N)
Approx. Flow Rate: 200 mlpm Sediment Description: NONE
Did well de-water? No If yes, Time: — Volume: — ltrs DTW @ Sampling: 8.68

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
1333	3.6	6.07	92.5	15.3	4.32	186.4	8.68
1336	4.2	6.06	91.9	15.4	4.30	187.5	8.68
1339	4.8	6.04	91.3	15.4	4.29	188.1	8.68

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-113	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: ≈ 13.39 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: 11/11-12/18 (inclusive)
City: Toledo, WA Sampler: GM

Well ID MW-114 Date Monitored: 11/11/18
Well Diameter 2/4 in.
Total Depth NTL 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): 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: NA UNABLE TO LOCATE SEARCHED WITH METAL DETECTOR DIDN'T GET ANY HIT MUD AND GRASS COVERED AREA.

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: 11/11-12/18 (inclusive)
City: Toledo, WA Sampler: GM

Well ID MW-115 Date Monitored: 11/11/18
Well Diameter 2(4) in.
Total Depth 17.47 ft.
Depth to Water 8.31 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.

9.16 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: 50 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: 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: 11/11-12/18 (inclusive)
City: Toledo, WA Sampler: GM

Well ID MW-116 Date Monitored: 11/11/18
Well Diameter (2) 4 in.
Total Depth 17.60 ft.
Depth to Water 9.04 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.

8.56 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 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: 11/11-12/13 (inclusive)
City: Toledo, WA Sampler: GM

Well ID MW-117 Date Monitored: 11/11/13
Well Diameter (2) 4 in.
Total Depth 17.69 ft.
Depth to Water 6.58 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.

11.11 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: 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): ___ 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: 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: 11/11-12/18 (inclusive)
City: Toledo, WA Sampler: GM

Well ID MW-11B Date Monitored: 11/11/18
Well Diameter (2) 4 in.
Total Depth 17.24 ft
Depth to Water 7.34 ft
9.90 xVF ___ = ___ x3 case volume = Estimated Purge Volume: ___ gal.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: ___

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.

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 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: 11/11-12/18 (inclusive)
City: Toledo, WA Sampler: GM

Well ID MW-1/9 Date Monitored: 11/11/18
Well Diameter 2/4 in.
Total Depth 16.70 ft.
Depth to Water 8.62 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.

8.08 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 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: 11/11-12/13 (inclusive)
City: Toledo, WA | Sampler: GM

Well ID: MW-120 | Date Monitored: 11/11/13
Well Diameter: (2) 4 in.
Total Depth: 16.35 ft.
Depth to Water: 7.46 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.

9.39 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 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: 11/11-12/18 (inclusive)
City: Toledo, WA | Sampler: GM

Well ID: B-1 | Date Monitored: 11/11/18
Well Diameter: (2) 4 in.
Total Depth: 19.81 ft.
Depth to Water: 7.48 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.

12.33 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: 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): 1405 | Weather Conditions: COLD
Sample Time/Date: 1450 / 11/12/18 | Water Color: CLEAR Odor (Y) N SLIGHT
Approx. Flow Rate: 200 mlpm | Sediment Description: SL SILT
Did well de-water? NO If yes, Time: — Volume: — ltrs DTW @ Sampling: 7.54

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
1423	3.6	6.08	200.1	15.5	2.47	166.9	7.53
1426	4.2	6.06	199.9	15.5	2.51	168.1	7.54
1429	4.8	6.05	199.4	15.5	2.55	169.4	7.54

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
	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: ≈13.65ft.

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: 11/11-12/18 (inclusive)
City: Toledo, WA Sampler: GM

Well ID B-2 Date Monitored: 11/11/18
Well Diameter (2) 4 in.
Total Depth 19.04 ft.
Depth to Water 8.63 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.

10.41 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:		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:	

Start Time (purge): 1300 Weather Conditions: COLD
Sample Time/Date: 1345/11/12/18 Water Color: CLEAR Odor (Y) N SLIGHT
Approx. Flow Rate: 200 mlpm Sediment Description: NONE
Did well de-water? NO If yes, Time: — Volume: — ltrs DTW @ Sampling: 8.70

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
1318	3.6	6.37	324.2	14.6	2.70	128.8	8.69
1321	4.2	6.36	322.8	14.7	2.79	129.5	8.69
1324	4.8	6.35	321.1	14.7	2.84	130.2	9.70

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
	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: ≈ 13.84

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: 11/11-12/18 (inclusive)
City: Toledo, WA Sampler: GM

Well ID B-3 Date Monitored: 11/11/18
Well Diameter (2) 4 in.
Total Depth 13.54 ft.
Depth to Water 8.24 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.

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

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

Purge Equipment:		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: 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): 1510 Weather Conditions: COLD
Sample Time/Date: 1555/11/12/18 Water Color: CLEAR Odor: Y / N MODERATE
Approx. Flow Rate: 200 mlpm Sediment Description: SL SILT
Did well de-water? NO If yes, Time: — Volume: — ltrs DTW @ Sampling: 8.31

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
1528	3.6	6.41	444.9	16.7	3.05	2.5	8.30
1531	4.2	6.40	443.5	16.7	3.10	4.9	8.31
1534	4.8	6.37	442.1	16.6	3.14	5.2	8.31

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
	2 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: ≈10.89 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: 11/11-12/18 (inclusive)
City: Toledo, WA Sampler: GM

Well ID B-4 Date Monitored: 11/11/18
Well Diameter 2 4 in.
Total Depth 14.67 ft.
Depth to Water 7.52 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.

7.15 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	X
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): 1615 Weather Conditions: COLD
Sample Time/Date: 1700 / 11/12/18 Water Color: CLEAR Odor: Y N MODERATE
Approx. Flow Rate: 200 mlpm Sediment Description: SL SILT
Did well de-water? NO If yes, Time: — Volume: — ltrs DTW @ Sampling: 7.58

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
1633	3.6	6.49	346.0	16.7	2.61	-9.9	7.57
1636	4.2	6.47	345.3	16.6	2.69	-9.1	7.57
1639	4.8	6.45	344.1	16.6	2.74	-8.6	7.58

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
	2x 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: ≈ 11.10ft.

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

Chevron Northwest Region Analysis Request/Chain of Custody

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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 31 Mulford Road, TOLEDO, WA

Chevron PM LH 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 G. MEDINA

(4) Matrix

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

(5) Analyses Requested

(2) Sample Identification	Collected Date	Collected Time	(3) Grab	(3) Composite	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 6020 (6010)	
QA	13111		X		2	X			X					
MW-109	13111	1510	X		9	X			X	X	X		X	
MW-111	13112	1805	X		9	X			X	X	X		X	
MW-112	13111	1255	X		9	X			X		X		X	
MW-113	13111	1400	X		9	X			X		X		X	
B-1	13112	1450	X		9	X			X		X		X	
B-2	13112	1345	X		9	X			X		X		X	
B-3	13112	1555	X		9	X			X	X	X		X	
B-4	13112	1700	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.

11/21 DW - amended added sample times

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 (9)
[signature]	131114	1600			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by Commercial Carrier: UPS _____ FedEx _____ 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

GETTLER-RYAN INC.

TRANSMITTAL

November 27, 2018
G-R #17156773

TO: Mr. Russell Shrophire
Leidos, Inc.
18939 120th Avenue NE, Suite 112
Bothell, Washington 98011

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 November 12, 2018**

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #211556 Job Number: 17156773
Site Address: 101 Mulford Road Event Date: 11/12/18 (inclusive)
City: Toledo, WA Sampler: GM

Well ID TPWHD-1 Date Monitored: 11/12/18
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: CARBON DRUM DISCHARGE

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: COLD
Sample Time/Date: 1830 / 11/12/18 Water Color: CLEAR Odor: Y / (N)
Approx. Flow Rate: ___ gpm. Sediment Description: NO
Did well de-water? ___ If yes, Time: ___ Volume: ___ gal. DTW @ Sampling: NA

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/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:

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

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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 431 Mulford Road, TOLEDO, WA

Chevron PM 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 G. McCuaig

(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+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 6020 EPA
QA	12/11/2	—	X		2	X			X				
TPWHD-1	12/11/2	1330	X		2	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 (9)
	12/11/14	1600			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by Commercial Carrier: UPS ✓ FedEx ____ 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

Attachment B:
Laboratory Analysis 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
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Report Date: November 28, 2018 14:58

Project: 211556

Account #: 11260
Group Number: 2009866
PO Number: 0015274511
Release Number: HETRICK
State of Sample Origin: WA

Electronic Copy To	Gettler-Ryan Inc.	Attn: Gettler Ryan
Electronic Copy To	Leidos	Attn: Russ Shropshire

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

To view our laboratory's current scopes of accreditation please go to http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ . 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-181111 NA Water	11/11/2018	9902134
MW-109-W-181111 Grab Groundwater	11/11/2018 15:10	9902135
MW-109-W-181111 Filtered Grab Groundwater	11/11/2018 15:10	9902136
MW-111-W-181112 Grab Groundwater	11/12/2018 18:05	9902137
MW-111-W-181112 Filtered Grab Groundwater	11/12/2018 18:05	9902138
MW-112-W-181111 Grab Groundwater	11/11/2018 12:55	9902139
MW-112-W-181111 Filtered Grab Groundwater	11/11/2018 12:55	9902140
MW-113-W-181111 Grab Groundwater	11/11/2018 14:00	9902141
MW-113-W-181111 Filtered Grab Groundwater	11/11/2018 14:00	9902142
B-1-W-181112 Grab Groundwater	11/12/2018 14:50	9902143
B-1-W-181112 Filtered Grab Groundwater	11/12/2018 14:50	9902144
B-2-W-181112 Grab Groundwater	11/12/2018 13:45	9902145
B-2-W-181112 Filtered Grab Groundwater	11/12/2018 13:45	9902146
B-3-W-181112 Grab Groundwater	11/12/2018 15:55	9902147
B-3-W-181112 Filtered Grab Groundwater	11/12/2018 15:55	9902148
B-4-W-181112 Grab Groundwater	11/12/2018 17:00	9902149
B-4-W-181112 Filtered Grab Groundwater	11/12/2018 17:00	9902150

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

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

Analysis Report

Sample Description: **QA-T-181111 NA Water**
Facility# 211556 Job# 17156773
101 Mulford Road - Toledo, WA

Chevron
ELLE Sample #: WW 9902134
ELLE Group #: 2009866
Matrix: Water

Project Name: **211556**

Submittal Date/Time: 11/15/2018 09:40
Collection Date/Time: 11/11/2018

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		**SW-846 8260C**	**ug/l**	**ug/l**	
13130	Benzene	71-43-2	N.D.	0.2	1
13130	Ethylbenzene	100-41-4	N.D.	0.4	1
13130	Toluene	108-88-3	N.D.	0.2	1
13130	Xylene (Total)	1330-20-7	N.D.	1	1
GC Volatiles		**ECY 97-602 NWTPH-Gx**	**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	19	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	F183242AA	11/20/2018 15:04	Alexander D Sechrist	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F183242AA	11/20/2018 15:03	Alexander D Sechrist	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	18324B20A	11/20/2018 22:02	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030C	1	18324B20A	11/20/2018 22:01	Linda C Pape	1

Sample Description: **MW-109-W-181111 Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Road - Toledo, WA

Chevron
ELLE Sample #: WW 9902135
ELLE Group #: 2009866
Matrix: Groundwater

Project Name: **211556**

Submittal Date/Time: 11/15/2018 09:40
Collection Date/Time: 11/11/2018 15:10

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		**ug/l**	**ug/l**	
13130	Benzene	71-43-2	N.D.	0.2	1
13130	Ethylbenzene	100-41-4	N.D.	0.4	1
13130	Toluene	108-88-3	N.D.	0.2	1
13130	Xylene (Total)	1330-20-7	N.D.	1	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	19	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	40	28	1
08271	Heavy Range Organics C24-C40	n.a.	260	66	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	96	66	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	F183242AA	11/20/2018 15:26	Alexander D Sechrist	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F183242AA	11/20/2018 15:25	Alexander D Sechrist	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	18324B20A	11/21/2018 01:42	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030C	1	18324B20A	11/21/2018 01:41	Linda C Pape	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	183200021A	11/22/2018 06:22	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	183200022A	11/21/2018 00:29	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	183200022A	11/16/2018 15:49	Christine E Gleim	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	183200021A	11/16/2018 15:49	Christine E Gleim	1

Sample Description: **MW-109-W-181111 Filtered Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Road - Toledo, WA

Project Name: **211556**

Submittal Date/Time: 11/15/2018 09:40
Collection Date/Time: 11/11/2018 15:10

Chevron
ELLE Sample #: WW 9902136
ELLE Group #: 2009866
Matrix: Groundwater

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

Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered 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	183251404703A	11/28/2018 12:51	Choon Y Tian	1
14047	ICPMS - Water, 3020A - U345	SW-846 3020A	1	183251404703	11/26/2018 04:59	James L Mertz	1

Sample Description: **MW-111-W-181112 Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Road - Toledo, WA

Project Name: **211556**

Submittal Date/Time: 11/15/2018 09:40
Collection Date/Time: 11/12/2018 18:05

Chevron
ELLE Sample #: WW 9902137
ELLE Group #: 2009866
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		**ug/l**	**ug/l**	
13130	Benzene	71-43-2	3	0.2	1
13130	Ethylbenzene	100-41-4	33	0.4	1
13130	Toluene	108-88-3	0.6	0.2	1
13130	Xylene (Total)	1330-20-7	3	1	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	4,000	19	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	3,300	29	1
08271	Heavy Range Organics C24-C40	n.a.	320	68	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	300	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	68	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	F183242AA	11/20/2018 15:48	Alexander D Sechrist	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F183242AA	11/20/2018 15:47	Alexander D Sechrist	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	18324B20A	11/20/2018 22:29	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030C	1	18324B20A	11/20/2018 22:28	Linda C Pape	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	183200021A	11/22/2018 06:43	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	183200022A	11/21/2018 00:50	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	183200022A	11/16/2018 15:49	Christine E Gleim	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	183200021A	11/16/2018 15:49	Christine E Gleim	1

Sample Description: **MW-111-W-181112 Filtered Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Road - Toledo, WA

Project Name: **211556**

Submittal Date/Time: 11/15/2018 09:40
Collection Date/Time: 11/12/2018 18:05

Chevron
ELLE Sample #: WW 9902138
ELLE Group #: 2009866
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved		**SW-846 6020B Rev.2, July 2014**	**ug/l**	**ug/l**	
06035	Lead	7439-92-1	92.8	1.1	1

Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered 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	183251404703A	11/28/2018 12:56	Choon Y Tian	1
14047	ICPMS - Water, 3020A - U345	SW-846 3020A	1	183251404703	11/26/2018 04:59	James L Mertz	1

Sample Description: **MW-112-W-181111 Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Road - Toledo, WA

Chevron
ELLE Sample #: WW 9902139
ELLE Group #: 2009866
Matrix: Groundwater

Project Name: **211556**

Submittal Date/Time: 11/15/2018 09:40
Collection Date/Time: 11/11/2018 12:55

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		**ug/l**	**ug/l**	
13130	Benzene	71-43-2	N.D.	0.2	1
13130	Ethylbenzene	100-41-4	N.D.	0.4	1
13130	Toluene	108-88-3	N.D.	0.2	1
13130	Xylene (Total)	1330-20-7	N.D.	1	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	19	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	65	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	F183242AA	11/20/2018 16:10	Alexander D Sechrist	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F183242AA	11/20/2018 16:09	Alexander D Sechrist	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	18324B20A	11/21/2018 02:09	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030C	1	18324B20A	11/21/2018 02:08	Linda C Pape	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	183200021A	11/22/2018 04:11	Thomas C Wildermuth	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	183200021A	11/16/2018 15:49	Christine E Gleim	1

Sample Description: **MW-112-W-181111 Filtered Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Road - Toledo, WA

Chevron
ELLE Sample #: WW 9902140
ELLE Group #: 2009866
Matrix: Groundwater

Project Name: **211556**

Submittal Date/Time: 11/15/2018 09:40
Collection Date/Time: 11/11/2018 12:55

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

Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered 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	183251404703A	11/28/2018 12:58	Choon Y Tian	1
14047	ICPMS - Water, 3020A - U345	SW-846 3020A	1	183251404703	11/26/2018 04:59	James L Mertz	1

Sample Description: **MW-113-W-181111 Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Road - Toledo, WA

Chevron
ELLE Sample #: WW 9902141
ELLE Group #: 2009866
Matrix: Groundwater

Project Name: **211556**

Submittal Date/Time: 11/15/2018 09:40
Collection Date/Time: 11/11/2018 14:00

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		**ug/l**	**ug/l**	
13130	Benzene	71-43-2	N.D.	0.2	1
13130	Ethylbenzene	100-41-4	N.D.	0.4	1
13130	Toluene	108-88-3	N.D.	0.2	1
13130	Xylene (Total)	1330-20-7	N.D.	1	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	19	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	65	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	F183242AA	11/20/2018 16:32	Alexander D Sechrist	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F183242AA	11/20/2018 16:31	Alexander D Sechrist	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	18324B20A	11/21/2018 02:37	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030C	1	18324B20A	11/21/2018 02:36	Linda C Pape	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	183200021A	11/22/2018 04:33	Thomas C Wildermuth	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	183200021A	11/16/2018 15:49	Christine E Gleim	1

Sample Description: **MW-113-W-181111 Filtered Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Road - Toledo, WA

Project Name: **211556**

Submittal Date/Time: 11/15/2018 09:40
Collection Date/Time: 11/11/2018 14:00

Chevron
ELLE Sample #: WW 9902142
ELLE Group #: 2009866
Matrix: Groundwater

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

Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered 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	183251404703A	11/28/2018 12:59	Choon Y Tian	1
14047	ICPMS - Water, 3020A - U345	SW-846 3020A	1	183251404703	11/26/2018 04:59	James L Mertz	1

Sample Description: **B-1-W-181112 Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Road - Toledo, WA

Project Name: **211556**

Submittal Date/Time: 11/15/2018 09:40
Collection Date/Time: 11/12/2018 14:50

Chevron
ELLE Sample #: WW 9902143
ELLE Group #: 2009866
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		**ug/l**	**ug/l**	
13130	Benzene	71-43-2	N.D.	0.2	1
13130	Ethylbenzene	100-41-4	N.D.	0.4	1
13130	Toluene	108-88-3	N.D.	0.2	1
13130	Xylene (Total)	1330-20-7	N.D.	1	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	19	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	30	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	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	F183242AA	11/20/2018 16:54	Alexander D Sechrist	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F183242AA	11/20/2018 16:53	Alexander D Sechrist	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	18324B20A	11/21/2018 03:05	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030C	1	18324B20A	11/21/2018 03:04	Linda C Pape	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	183200021A	11/22/2018 05:16	Thomas C Wildermuth	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	183200021A	11/16/2018 15:49	Christine E Gleim	1

Sample Description: **B-1-W-181112 Filtered Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Road - Toledo, WA

Project Name: **211556**

Submittal Date/Time: 11/15/2018 09:40
Collection Date/Time: 11/12/2018 14:50

Chevron
ELLE Sample #: WW 9902144
ELLE Group #: 2009866
Matrix: Groundwater

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

Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered 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	183251404703A	11/28/2018 12:40	Choon Y Tian	1
14047	ICPMS - Water, 3020A - U345	SW-846 3020A	1	183251404703	11/26/2018 04:59	James L Mertz	1

Sample Description: **B-2-W-181112 Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Road - Toledo, WA

Project Name: **211556**

Submittal Date/Time: 11/15/2018 09:40
Collection Date/Time: 11/12/2018 13:45

Chevron
ELLE Sample #: WW 9902145
ELLE Group #: 2009866
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		**ug/l**	**ug/l**	
13130	Benzene	71-43-2	N.D.	0.2	1
13130	Ethylbenzene	100-41-4	N.D.	0.4	1
13130	Toluene	108-88-3	N.D.	0.2	1
13130	Xylene (Total)	1330-20-7	N.D.	1	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	19	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	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	F183242AA	11/20/2018 17:16	Alexander D Sechrist	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F183242AA	11/20/2018 17:15	Alexander D Sechrist	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	18324B20A	11/21/2018 03:32	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030C	1	18324B20A	11/21/2018 03:31	Linda C Pape	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	183200021A	11/22/2018 04:54	Thomas C Wildermuth	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	183200021A	11/16/2018 15:49	Christine E Gleim	1

Sample Description: **B-2-W-181112 Filtered Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Road - Toledo, WA

Project Name: **211556**

Submittal Date/Time: 11/15/2018 09:40
Collection Date/Time: 11/12/2018 13:45

Chevron
ELLE Sample #: WW 9902146
ELLE Group #: 2009866
Matrix: Groundwater

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

Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered 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	183251404703A	11/28/2018 13:01	Choon Y Tian	1
14047	ICPMS - Water, 3020A - U345	SW-846 3020A	1	183251404703	11/26/2018 04:59	James L Mertz	1

Sample Description: **B-3-W-181112 Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Road - Toledo, WA

Project Name: **211556**

Submittal Date/Time: 11/15/2018 09:40
Collection Date/Time: 11/12/2018 15:55

Chevron
ELLE Sample #: WW 9902147
ELLE Group #: 2009866
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		**ug/l**	**ug/l**	
13130	Benzene	71-43-2	0.9	0.2	1
13130	Ethylbenzene	100-41-4	5	0.4	1
13130	Toluene	108-88-3	0.3	0.2	1
13130	Xylene (Total)	1330-20-7	N.D.	1	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	2,100	19	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	2,800	28	1
08271	Heavy Range Organics C24-C40	n.a.	370	66	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	180	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	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	F183242AA	11/20/2018 17:38	Alexander D Sechrist	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F183242AA	11/20/2018 17:37	Alexander D Sechrist	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	18324B20A	11/21/2018 04:00	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030C	1	18324B20A	11/21/2018 03:59	Linda C Pape	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	183200021A	11/22/2018 07:05	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	183200022A	11/21/2018 01:12	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	183200022A	11/16/2018 15:49	Christine E Gleim	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	183200021A	11/16/2018 15:49	Christine E Gleim	1

Sample Description: **B-3-W-181112 Filtered Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Road - Toledo, WA

Project Name: **211556**

Submittal Date/Time: 11/15/2018 09:40
Collection Date/Time: 11/12/2018 15:55

Chevron
ELLE Sample #: WW 9902148
ELLE Group #: 2009866
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved		**SW-846 6020B Rev.2, July 2014**	**ug/l**	**ug/l**	
06035	Lead	7439-92-1	11.1	1.1	1

Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered 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	183251404703A	11/28/2018 13:03	Choon Y Tian	1
14047	ICPMS - Water, 3020A - U345	SW-846 3020A	1	183251404703	11/26/2018 04:59	James L Mertz	1

Sample Description: **B-4-W-181112 Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Road - Toledo, WA

Project Name: **211556**

Submittal Date/Time: 11/15/2018 09:40
Collection Date/Time: 11/12/2018 17:00

Chevron
ELLE Sample #: WW 9902149
ELLE Group #: 2009866
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		**ug/l**	**ug/l**	
13130	Benzene	71-43-2	N.D.	0.2	1
13130	Ethylbenzene	100-41-4	N.D.	0.4	1
13130	Toluene	108-88-3	N.D.	0.2	1
13130	Xylene (Total)	1330-20-7	N.D.	1	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	1,600	19	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	230	29	1
08271	Heavy Range Organics C24-C40	n.a.	330	67	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	110	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	150	67	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	F183242AA	11/20/2018 18:00	Alexander D Sechrist	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F183242AA	11/20/2018 17:59	Alexander D Sechrist	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	18325B20A	11/21/2018 18:37	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030C	1	18325B20A	11/21/2018 18:36	Linda C Pape	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	183200021A	11/22/2018 07:27	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	183200022A	11/21/2018 01:33	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	183200022A	11/16/2018 15:49	Christine E Gleim	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	183200021A	11/16/2018 15:49	Christine E Gleim	1

Sample Description: **B-4-W-181112 Filtered Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Road - Toledo, WA

Project Name: **211556**

Submittal Date/Time: 11/15/2018 09:40
Collection Date/Time: 11/12/2018 17:00

Chevron
ELLE Sample #: WW 9902150
ELLE Group #: 2009866
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved		**SW-846 6020B Rev.2, July 2014**	**ug/l**	**ug/l**	
06035	Lead	7439-92-1	1.8	1.1	1

Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered 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	183251404703A	11/28/2018 13:05	Choon Y Tian	1
14047	ICPMS - Water, 3020A - U345	SW-846 3020A	1	183251404703	11/26/2018 04:59	James L Mertz	1

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Quality Control Summary

Client Name: Chevron
Reported: 11/28/2018 14:58

Group Number: 2009866

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
	ug/l	ug/l
Batch number: F183242AA	Sample number(s): 9902134-9902135,9902137,9902139,9902141,9902143,9902145,9902147,9902149	
Benzene	N.D.	0.2
Ethylbenzene	N.D.	0.4
Toluene	N.D.	0.2
Xylene (Total)	N.D.	1
Batch number: 18324B20A	Sample number(s): 9902134-9902135,9902137,9902139,9902141,9902143,9902145,9902147	
NWTPH-Gx water C7-C12	N.D.	19
Batch number: 18325B20A	Sample number(s): 9902149	
NWTPH-Gx water C7-C12	N.D.	19
Batch number: 183200021A	Sample number(s): 9902135,9902137,9902139,9902141,9902143,9902145,9902147,9902149	
Diesel Range Organics C12-C24	N.D.	30
Heavy Range Organics C24-C40	N.D.	70
Batch number: 183200022A	Sample number(s): 9902135,9902137,9902147,9902149	
DRO C12-C24 w/Si Gel	N.D.	30
HRO C24-C40 w/Si Gel	N.D.	70
Batch number: 183251404703A	Sample number(s): 9902136,9902138,9902140,9902142,9902144,9902146,9902148,9902150	
Lead	N.D.	1.1

LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	ug/l	ug/l	ug/l	ug/l					
Batch number: F183242AA	Sample number(s): 9902134-9902135,9902137,9902139,9902141,9902143,9902145,9902147,9902149								
Benzene	20	21.88			109		80-120		
Ethylbenzene	20	20.92			105		80-120		
Toluene	20	21.78			109		80-120		
Xylene (Total)	60	62.64			104		80-120		
	ug/l	ug/l	ug/l	ug/l					
Batch number: 18324B20A	Sample number(s): 9902134-9902135,9902137,9902139,9902141,9902143,9902145,9902147								
NWTPH-Gx water C7-C12	1100	1224.9	1100	1212.13	111	110	64-131	1	30
Batch number: 18325B20A	Sample number(s): 9902149								

*- Outside of specification
(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: 11/28/2018 14:58

Group Number: 2009866

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
NWTPH-Gx water C7-C12	1100	1125.8			102		64-131		
	ug/l	**ug/l**	**ug/l**	**ug/l**					
Batch number: 183200021A	Sample number(s): 9902135,9902137,9902139,9902141,9902143,9902145,9902147,9902149								
Diesel Range Organics C12-C24	1600.37	1025.84	1600.37	986.66	64	62	50-113	4	20
	ug/l	**ug/l**	**ug/l**	**ug/l**					
Batch number: 183200022A	Sample number(s): 9902135,9902137,9902147,9902149								
DRO C12-C24 w/Si Gel	1600.37	571.05	1600.37	774.03	36	48	32-117	30*	20
	ug/l	**ug/l**	**ug/l**	**ug/l**					
Batch number: 183251404703A	Sample number(s): 9902136,9902138,9902140,9902142,9902144,9902146,9902148,9902150								
Lead	15	16.17			108		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: 183251404703A	Sample number(s): 9902136,9902138,9902140,9902142,9902144,9902146,9902148,9902150 UNSPK: 9902144									
Lead	N.D.	15	16.09	15	16.48	107	110	75-125	2	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: 183251404703A	Sample number(s): 9902136,9902138,9902140,9902142,9902144,9902146,9902148,9902150 BKG: 9902144			
Lead	N.D.	N.D.	0 (1)	20

*- Outside of specification
(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: 11/28/2018 14:58

Group Number: 2009866

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: F183242AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9902134	94	98	103	95
9902135	93	98	104	95
9902137	92	98	105	97
9902139	92	98	103	95
9902141	93	100	103	95
9902143	95	97	103	96
9902145	92	99	102	95
9902147	91	95	104	101
9902149	90	95	105	101
Blank	94	99	102	92
LCS	92	100	103	96
Limits:	80-120	80-120	80-120	80-120

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 18324B20A

	Trifluorotoluene-F
9902134	85
9902135	84
9902137	97
9902139	86
9902141	76
9902143	83
9902145	85
9902147	92
Blank	85
LCS	94
LCSD	85
Limits:	50-150

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 18325B20A

	Trifluorotoluene-F
9902149	89
Blank	85
LCS	93
Limits:	50-150

Analysis Name: NWTPH-Dx water
Batch number: 183200021A

*- Outside of specification
(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: 11/28/2018 14:58

Group Number: 2009866

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
Batch number: 183200021A

	Orthoterphenyl
9902135	67
9902137	102
9902139	78
9902141	82
9902143	80
9902145	83
9902147	103
9902149	75
Blank	83
LCS	88
LCSD	85
Limits:	50-150

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 183200022A

	Orthoterphenyl
9902135	54
9902137	66
9902147	76
9902149	64
Blank	60
LCS	42*
LCSD	65
Limits:	50-150

*- Outside of specification
(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

eurofins | Lancaster Laboratories

Acct. # 11260

For Eurofins Lancaster Laboratories use only
Group # 2009566 Sample # 4902134-50
Instructions on reverse side correspond with circled numbers.

(1) Client Information

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

Site Address 191 Mulford Road, TOLEDO, WA

Chevron PM LH 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 G. MEDINA

(4) Matrix

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

(5) Analyses Requested

(2) Sample Identification	Collected Date	Collected Time	(3) Grab	(3) Composite	Total Number of Containers	BTEX + MTBE	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead Total	Lead Diss. Method 6020 ICP/MS
QA	181111		X		2	X			X						X
MW-109	181111		X		9	X			X	X	X				X
MW-111	181112		X		9	X			X	X	X				X
MW-112	181111		X		9	X			X		X				X
MW-113	181111		X		9	X			X		X				X
B-1	181112		X		9	X			X		X				X
B-2	181112		X		9	X			X		X				X
B-3	181112		X		9	X			X	X	X				X
B-4	181112		X		9	X			X	X	X				X

SCR #: _____

- ☐ 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 (9)
	181114	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 ☐ Other ☐

Received by: [signature] Date 11/15/18 Time 940

Temperature Upon Receipt 0.7-1.0 °C

Custody Seals Intact? Yes No

Chevron Northwest Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 11260 For Eurofins Lancaster Laboratories use only Group # 2009866 Sample # 9902134-50
Instructions on reverse side correspond with circled numbers

(1) Client Information

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

Site Address 1631 Mulford Road, TOLEDO, WA

Chevron PM LEIDOSRS Lead Consultant Russell Shropshire

Consultant/Office Cetter-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 G. MEDINA

(4) Matrix

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

(3) Grab / Composite

(2) Sample Identification | Collected Date | Time

(5) Analyses Requested

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 6020 200.8

(2) Sample Identification	Collected Date	Collected Time	(3) Grab	(3) Composite	(4) Matrix	Total Number of Containers	(5) Analyses Requested
QA	13111		X		Water	2	BTEX + MTBE 8021 8260 Naphth: X; NWTPH-Gx: X; Lead Total Diss. Method 6020 200.8: X
MW-109	13111	1510	X		Water	9	BTEX + MTBE 8021 8260 Naphth: X; NWTPH-Gx: X; NWTPH-Dx with Silica Gel Cleanup: X; NWTPH-Dx without Silica Gel Cleanup: X; Lead Total Diss. Method 6020 200.8: X
MW-111	13112	1805	X		Water	9	BTEX + MTBE 8021 8260 Naphth: X; NWTPH-Gx: X; NWTPH-Dx with Silica Gel Cleanup: X; NWTPH-Dx without Silica Gel Cleanup: X; Lead Total Diss. Method 6020 200.8: X
MW-112	13111	1255	X		Water	9	BTEX + MTBE 8021 8260 Naphth: X; NWTPH-Gx: X; NWTPH-Dx without Silica Gel Cleanup: X; Lead Total Diss. Method 6020 200.8: X
MW-113	13111	1400	X		Water	9	BTEX + MTBE 8021 8260 Naphth: X; NWTPH-Gx: X; NWTPH-Dx without Silica Gel Cleanup: X; Lead Total Diss. Method 6020 200.8: X
R-1	13112	1450	X		Water	9	BTEX + MTBE 8021 8260 Naphth: X; NWTPH-Gx: X; NWTPH-Dx without Silica Gel Cleanup: X; Lead Total Diss. Method 6020 200.8: X
R-2	13112	1345	X		Water	9	BTEX + MTBE 8021 8260 Naphth: X; NWTPH-Gx: X; NWTPH-Dx without Silica Gel Cleanup: X; Lead Total Diss. Method 6020 200.8: X
R-3	13112	1555	X		Water	9	BTEX + MTBE 8021 8260 Naphth: X; NWTPH-Gx: X; NWTPH-Dx with Silica Gel Cleanup: X; NWTPH-Dx without Silica Gel Cleanup: X; Lead Total Diss. Method 6020 200.8: X
R-4	13112	1700	X		Water	9	BTEX + MTBE 8021 8260 Naphth: X; NWTPH-Gx: X; NWTPH-Dx with Silica Gel Cleanup: X; NWTPH-Dx without Silica Gel Cleanup: X; Lead Total Diss. Method 6020 200.8: X

SCR #:

- ☐ 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.

11/21 DW- amended added sample times

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 (9)
[signature]	13114	1600			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by Commercial Carrier: UPS _____ FedEx _____ 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

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Sample Administration Receipt Documentation Log

Doc Log ID: 233404

Group Number(s): 2009866

Client: Chevron

Delivery and Receipt Information

Delivery Method:	UPS	Arrival Timestamp:	11/15/2018 9:40
Number of Packages:	2	Number of Projects:	3

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):	See Below
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		

VOA Vial IDs (Headspace ≥ 6mm): (1HCl)Trip blank

Unpacked by Ariel Garcia (15332) at 11:33 on 11/15/2018

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	DT42-03	0.7	DT	Wet	Y	Bagged	N
2	DT42-03	0.8	DT	Wet	Y	Bagged	N
3	DT42-03	1.0	DT	Wet	Y	Bagged	N

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Lancaster, PA 17605-2425

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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.

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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.

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ANALYSIS REPORT

Prepared by:

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

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Report Date: November 29, 2018 13:37

Project: 211556

Account #: 11260
Group Number: 2009867
PO Number: 0015274511
Release Number: HETRICK
State of Sample Origin: WA

Electronic Copy To	Gettler-Ryan Inc.	Attn: Gettler Ryan
Electronic Copy To	Leidos	Attn: Russ Shropshire
Electronic Copy To	Gettler Ryan	Attn: Deanna Harding

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

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

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SAMPLE INFORMATION

Client Sample Description	Sample Collection Date/Time	ELLE#
QA-T-181112 NA Water	11/12/2018	9902151
TPWHD-1-W-181112 Grab Groundwater	11/12/2018 18:30	9902152
TPWHD-1-W-181112 Filtered Grab Groundwater	11/12/2018 18:30	9902153

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-181112 NA Water**
Facility# 211556 Job# 17156773
101 Mulford Road - Toledo, WA

Chevron
ELLE Sample #: WW 9902151
ELLE Group #: 2009867
Matrix: Water

Project Name: **211556**

Submittal Date/Time: 11/15/2018 09:40
Collection Date/Time: 11/12/2018

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		**SW-846 8260C**	**ug/l**	**ug/l**	
13130	Benzene	71-43-2	N.D.	0.2	1
13130	Ethylbenzene	100-41-4	N.D.	0.4	1
13130	Toluene	108-88-3	N.D.	0.2	1
13130	Xylene (Total)	1330-20-7	N.D.	1	1
GC Volatiles		**ECY 97-602 NWTPH-Gx**	**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	19	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	F183242AA	11/20/2018 18:22	Alexander D Sechrist	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F183242AA	11/20/2018 18:21	Alexander D Sechrist	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	18324B20A	11/20/2018 22:56	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030C	1	18324B20A	11/20/2018 22:55	Linda C Pape	1

Sample Description: **TPWHD-1-W-181112 Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Road - Toledo, WA

Project Name: **211556**

Submittal Date/Time: 11/15/2018 09:40
Collection Date/Time: 11/12/2018 18:30

Chevron
ELLE Sample #: WW 9902152
ELLE Group #: 2009867
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		**ug/l**	**ug/l**	
13130	Benzene	71-43-2	N.D.	0.2	1
13130	Ethylbenzene	100-41-4	N.D.	0.4	1
13130	Toluene	108-88-3	N.D.	0.2	1
13130	Xylene (Total)	1330-20-7	N.D.	1	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	19	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	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	F183242AA	11/20/2018 18:44	Alexander D Sechrist	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F183242AA	11/20/2018 18:43	Alexander D Sechrist	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	18325B20A	11/21/2018 19:05	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030C	1	18325B20A	11/21/2018 19:04	Linda C Pape	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	183200021A	11/22/2018 03:49	Thomas C Wildermuth	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	183200022A	11/20/2018 23:46	Thomas C Wildermuth	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	183200022A	11/16/2018 15:49	Christine E Gleim	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	183200021A	11/16/2018 15:49	Christine E Gleim	1

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Sample Description: **TPWHD-1-W-181112 Filtered Grab Groundwater**
Facility# 211556 Job# 17156773
101 Mulford Road - Toledo, WA

Chevron
ELLE Sample #: WW 9902153
ELLE Group #: 2009867
Matrix: Groundwater

Project Name: **211556**

Submittal Date/Time: 11/15/2018 09:40
Collection Date/Time: 11/12/2018 18:30

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved		**SW-846 6020B Rev.2, July 2014**	**mg/l**	**mg/l**	
06035	Lead	7439-92-1	N.D.	0.0011	1

03277 Lab Filtration - Metals

The holding time was not met for dissolved sample filtration. The filtration time for dissolved metals is to be within 15 minutes from collection. Since the filtration occurred after receipt in the laboratory, the 15 minute criteria was exceeded. This sample was not collected per applicable Clean Water Act (40CFR136) or SW-846 regulations.

Sample Comments

State of Washington Lab Certification No. C457
This sample was filtered in the lab 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	183301404705A	11/29/2018 10:03	Choon Y Tian	1
14047	ICPMS - Water, 3020A - U345	SW-846 3020A	1	183301404705	11/27/2018 05:30	Annamaria Kuhns	1

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Quality Control Summary

Client Name: Chevron
Reported: 11/29/2018 13:37

Group Number: 2009867

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
	ug/l	ug/l
Batch number: F183242AA	Sample number(s): 9902151-9902152	
Benzene	N.D.	0.2
Ethylbenzene	N.D.	0.4
Toluene	N.D.	0.2
Xylene (Total)	N.D.	1
Batch number: 18324B20A	Sample number(s): 9902151	
NWTPH-Gx water C7-C12	N.D.	19
Batch number: 18325B20A	Sample number(s): 9902152	
NWTPH-Gx water C7-C12	N.D.	19
Batch number: 183200021A	Sample number(s): 9902152	
Diesel Range Organics C12-C24	N.D.	30
Heavy Range Organics C24-C40	N.D.	70
Batch number: 183200022A	Sample number(s): 9902152	
DRO C12-C24 w/Si Gel	N.D.	30
HRO C24-C40 w/Si Gel	N.D.	70
	mg/l	mg/l
Batch number: 183301404705A	Sample number(s): 9902153	
Lead	N.D.	0.0011

LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	ug/l	ug/l	ug/l	ug/l					
Batch number: F183242AA	Sample number(s): 9902151-9902152								
Benzene	20	21.88			109		80-120		
Ethylbenzene	20	20.92			105		80-120		
Toluene	20	21.78			109		80-120		
Xylene (Total)	60	62.64			104		80-120		
	ug/l	ug/l	ug/l	ug/l					
Batch number: 18324B20A	Sample number(s): 9902151								
NWTPH-Gx water C7-C12	1100	1224.9	1100	1212.13	111	110	64-131	1	30

*- Outside of specification
(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: 11/29/2018 13:37

Group Number: 2009867

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: 18325B20A	Sample number(s): 9902152								
NWTPH-Gx water C7-C12	1100	1125.8			102		64-131		
	ug/l	**ug/l**	**ug/l**	**ug/l**					
Batch number: 183200021A	Sample number(s): 9902152								
Diesel Range Organics C12-C24	1600.37	1025.84	1600.37	986.66	64	62	50-113	4	20
	ug/l	**ug/l**	**ug/l**	**ug/l**					
Batch number: 183200022A	Sample number(s): 9902152								
DRO C12-C24 w/Si Gel	1600.37	571.05	1600.37	774.03	36	48	32-117	30*	20
	mg/l	**mg/l**	**mg/l**	**mg/l**					
Batch number: 183301404705A	Sample number(s): 9902153								
Lead	0.0150	0.0153			102		90-110		

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: F183242AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9902151	94	99	103	94
9902152	93	99	102	93
Blank	94	99	102	92
LCS	92	100	103	96
Limits:	80-120	80-120	80-120	80-120

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 18324B20A

	Trifluorotoluene-F
9902151	84
Blank	85
LCS	94
LCSD	85
Limits:	50-150

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 18325B20A

*- Outside of specification
(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.

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Quality Control Summary

Client Name: Chevron
Reported: 11/29/2018 13:37

Group Number: 2009867

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: 18325B20A

	Trifluorotoluene-F
9902152	81
Blank	85
LCS	93
Limits:	50-150

Analysis Name: NWTPH-Dx water
Batch number: 183200021A

	Orthoterphenyl
9902152	80
Blank	83
LCS	88
LCSD	85
Limits:	50-150

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 183200022A

	Orthoterphenyl
9902152	69
Blank	60
LCS	42*
LCSD	65
Limits:	50-150

*- Outside of specification
(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 # 2009867 Sample # 442 9902151-53 (11326 11/15/18)

Instructions on reverse side correspond with circled numbers.

1 Client Information

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

Site Address 191 Mulford Road, TOLEDO, WA

Chevron PM EH LEIDOSRS Lead Consultant Russell Shropshire

Consultant/Office Getter-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 G. MEDINA

2 Sample Identification

3 Grab / Composite

4 Matrix

Soil / Sediment / Water (Potable / Ground / NPDES / Surface) / Oil / Air

Total Number of Containers

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 / Lead Diss. Method 6020 kC/Mc

Sample Identification	Collected Date	Collected Time	Grab	Composite	Soil	Water	Oil	Total 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	Lead Diss. Method 6020 kC/Mc
QA	181112	—	X			X		2	X					X						
TPWHD-1	181112	1830	X			X		9	X					X	X	X			X	

SCR #: _____

- ☐ 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

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	Date	Time	Received by	Date	Time
[signature]	181114	1600			

Relinquished by Commercial Carrier: UPS X FedEx ____ Other ____

Received by [signature] Date 11/15/18 Time 940

Temperature Upon Receipt 0.7 °C

Custody Seals Intact? Yes No

9

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Sample Administration Receipt Documentation Log

Doc Log ID: 233404

Group Number(s): 2009867

Client: Chevron

Delivery and Receipt Information

Delivery Method:	UPS	Arrival Timestamp:	11/15/2018 9:40
Number of Packages:	2	Number of Projects:	3

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:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	2
Paperwork Enclosed:	Yes	Trip Blank Type:	HCl
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Ariel Garcia (15332) at 11:33 on 11/15/2018

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	DT42-03	0.7	DT	Wet	Y	Bagged	N
2	DT42-03	0.8	DT	Wet	Y	Bagged	N
3	DT42-03	1.0	DT	Wet	Y	Bagged	N

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Lancaster, PA 17605-2425

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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.

This report shall not be reproduced except in full, without the written approval of the laboratory.

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.

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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.