



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

Subject: **First Semiannual 2016 Groundwater Monitoring Report
Cowlitz BP / Cowlitz Food and Fuel /
Former Texaco Service Station No. 211556
101 Mulford Road
Toledo, Washington**

Dear Mr. Teel:

Leidos, Inc. (Leidos), on behalf of Chevron Environmental Management Company (CEMC), prepared this report summarizing the first semiannual 2016 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 from May 13-14, 2016. Gettler-Ryan measured depth-to-groundwater and checked for the presence of light non-aqueous phase liquid (LNAPL) in all 17 monitoring wells at the Site. Groundwater samples were collected from 9 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 extended;
- TPH-DRO and TPH-HRO by Ecology Method NWTPH-Dx extended 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-1) 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 99.97 feet in monitoring well B-2 to 98.97 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 is toward the southeast at a gradient of approximately 0.002 to 0.003 feet per foot (Figure 2). Groundwater elevations at the Site decreased an average of 2.25 feet since the previous monitoring event in November 2015.

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 was detected in monitoring well MW-111;
- TPH-DRO (analyzed without silica-gel cleanup) was detected in monitoring well B-3; and
- TPH-HRO (analyzed without silica-gel cleanup) was detected in monitoring wells MW-111 and B-4.

Current and historical groundwater monitoring data and laboratory analytical results are summarized in Table 1. Groundwater analytical results for the most recent four monitoring events are also presented on Figure 3. Results of the purge-water sample analysis for sample TPWHD-1 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 drinking water quality standards. However, dissolved-phase TPH-GRO continues to be detected above the MTCA Method A cleanup level in a small portion of the Site, which is immediately downgradient of the dispenser islands and UST basin. Results of the natural attenuation assessment completed by Leidos in 2015¹

¹ Leidos Engineering, LLC, "Natural Attenuation Assessment for Groundwater – Cowlitz BP / Cowlitz Food and Fuel / Former Texaco Service Station No. 211556", October 29, 2015.

indicate that the dissolved-phase TPH-GRO plume in this area is shrinking due to ongoing microbial degradation of the petroleum source in this area.

Based on comparison of results NWTPH-Dx analyses performed with and without silica-gel cleanup, detections of TPH-DRO and TPH-HRO at the Site that exceed Method A cleanup levels are believed to result from the presence of polar compounds produced by the biodegradation of TPH-GRO contamination at the Site, and are not indicative of dissolve-phase TPH-DRO or TPH-HRO in groundwater.

Groundwater monitoring at this Site will continue to be performed on a semiannual basis. Gettler-Ryan completed the second semiannual 2016 groundwater monitoring event on November 14, 2016. Results of that monitoring event will be presented in a future report.

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 – May 2015 through May 2016

Table 1 – Groundwater Monitoring Data and Analytical Results

Attachment A – Groundwater Monitoring and Sampling Data Package

Attachment B – Laboratory Analysis Report

cc: Mr. Mark Horne – CEMC (electronically via email)
Mr. Charles Vineyard (electronically via email)
Mr. John Houlihan – Houlihan Law (electronically via email)
Project File

REPORT LIMITATIONS

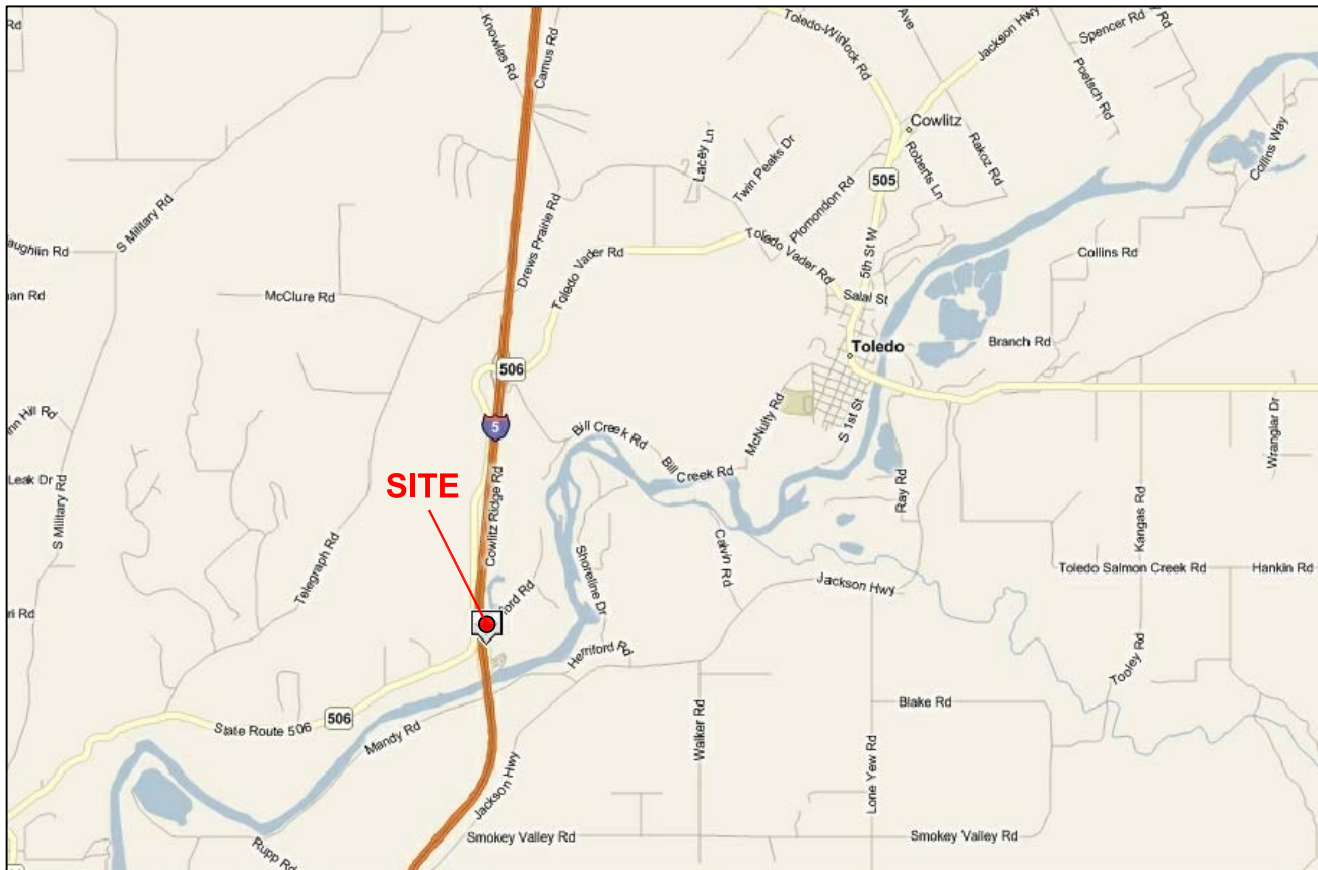
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Site history and background information provided in this technical document are based on sources that may include interviews with environmental regulatory agencies and property management personnel and a review of acquired environmental regulatory 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.

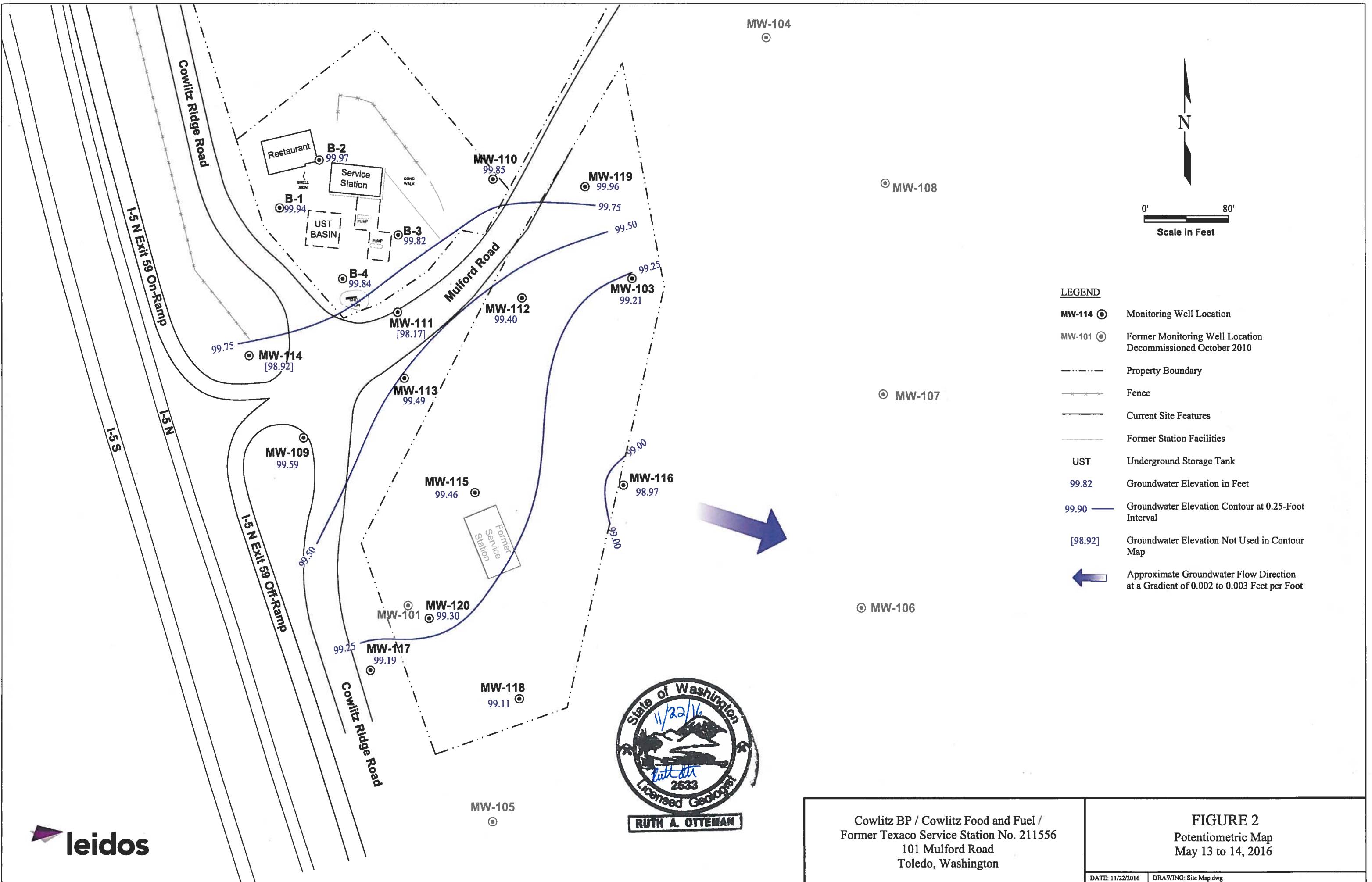


Cowlitz BP / Cowlitz Food and Fuel /
Former Texaco Service Station No. 211556
101 Mulford Road
Toledo, Washington

FIGURE 1
Vicinity Map

DATE: 2/21/2014

DRAWING: 211556_VM.dwg



B-1				
Date	5/13/2015	8/11/2015	11/18/2015	5/14/2016
GRO	<50	<50	<50	<50
DRO	<28	<28	<29	<29
DRO*	<28	89	<29	--
HRO	<66	<66	<67	<67
HRO*	<66	74	<67	--
Benzene	<0.5	<0.5	<0.5	<0.5
Toluene	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	<0.5	<0.5	<0.5	<0.5
Total Xylenes	<0.5	<0.5	<0.5	<0.5

B-2				
Date	5/13/2015	8/11/2015	11/18/2015	5/14/2016
GRO	<50	<50	<50	<50
DRO	<28	<29	<29	37
DRO*	<28	<29	<29	--
HRO	<66	<67	<67	<67
HRO*	<66	<67	<67	--
Benzene	<0.5	<0.5	<0.5	<0.5
Toluene	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	<0.5	<0.5	<0.5	<0.5
Total Xylenes	<0.5	<0.5	<0.5	<0.5

MW-110				
Date	5/11/2015	8/11/2015	11/16/2015	5/13/2016
GRO	<50	<50	<50	NS
DRO	<29	<28	<29	NS
DRO*	<29	<28	<29	NS
HRO	<68	<66	<67	NS
HRO*	<68	<66	<67	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-119				
Date	5/11/2015	8/10/2015	11/16/2015	5/13/2016
GRO	<50	<50	<50	NS
DRO	<28	<28	<29	NS
DRO*	<28	<28	<29	NS
HRO	<66	<66	<67	NS
HRO*	<66	<66	<67	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

B-4				
Date	5/13/2015	8/11/2015	11/18/2015	5/14/2016
GRO	940	600	2,000	2,100
DRO	130	66	130	120
DRO*	210	500	750	390
HRO	<66	<66	270	300
HRO*	<66	340	740	550
Benzene	<0.5	<0.5	<0.5	<0.5
Toluene	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	1	<0.5	4	0.9
Total Xylenes	<0.5	0.6	<0.5	<0.5

B-3				
Date	5/13/2015	8/11/2015	11/18/2015	5/14/2016
GRO	1,400	660	880	400
DRO	120	130	57	38
DRO*	690	2,000	1,200	650
HRO	<66	<67	<67	<67
HRO*	<66	550	180	220
Benzene	<0.5	<0.5	<0.5	<0.5
Toluene	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	33	5	2	5
Total Xylenes	0.9	0.5	<0.5	<0.5

MW-114				
Date	5/12/2015	8/11/2015	11/18/2015	5/14/2016
GRO	<50	<50	<50	<50
DRO	<29	<29	<29	35
DRO*	<29	130	49	67
HRO	<67	170	<67	260
HRO*	<67	570	280	490
Benzene	<0.5	<0.5	<0.5	<0.5
Toluene	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	<0.5	<0.5	<0.5	<0.5
Total Xylenes	<0.5	<0.5	<0.5	<0.5

MW-103				
Date	5/11/2015	8/10/2015	11/16/2015	5/13/2016
GRO	<50	<50	<50	NS
DRO	<28	<28	<28	NS
DRO*	<28	<28	<28	NS
HRO	<66	<66	<66	NS
HRO*	<66	<66	<66	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-112				
Date	5/11/2015	8/10/2015	11/16/2015	5/13/2016
GRO	<50	<50	<50	<50
DRO	<28	<28	<29	<28
DRO*	<28	<28	<29	<28
HRO	<66	<66	<67	<66
HRO*	<66	<66	<67	<66
Benzene	<0.5	<0.5	<0.5	<0.5
Toluene	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	<0.5	<0.5	<0.5	<0.5
Total Xylenes	<0.5	<0.5	<0.5	<0.5

MW-109				
Date	5/12/2015	8/11/2015	11/17/2015	5/14/2016
GRO	<50	<50	<50	<50
DRO	<29	<29	<28	<28
DRO*	<29	130	36	<28
HRO	<67	210	<66	<66
HRO*	<67	640	97	<66
Benzene	<0.5	<0.5	<0.5	<0.5
Toluene	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	<0.5	<0.5	<0.5	<0.5
Total Xylenes	<0.5	<0.5	<0.5	<0.5

MW-111				
Date	5/13/2015	8/11/2015	11/18/2015	5/13/2016
GRO	4,400	4,500	1,900	4,200
DRO	320	470	150	350
DRO*	1,000	2,700	450	1,200
HRO	<66	<67	<67	680
HRO*	<66	93	270	1,600
Benzene	1	<3	<0.5	<0.5
Toluene	<0.5	<3	<0.5	<0.5
Ethylbenzene	71	31	9	19
Total Xylenes	5	6	1	2

MW-115				
Date	5/12/2015	8/10/2015	11/17/2015	5/13/2016
GRO	<50	<50	<50	NS
DRO	<29	<28	<29	NS
DRO*	<29	33	<29	NS
HRO	<68	<66	<67	NS
HRO*	<68	<66	<67	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-116				
Date	5/12/2015	8/10/2015	11/17/2015	5/13/2016
GRO	<50	<50	<50	NS
DRO	<29	<28	<29	NS
DRO*	<29	<28	<29	NS
HRO	<68	<66	<67	NS
HRO*	<68	<66	<67	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-120				
Date	5/12/2015	8/10/2015	11/17/2015	5/13/2016
GRO	<50	<50	<50	NS
DRO	<29	<28	<28	NS
DRO*	<29	<28	<28	NS
HRO	<68	<66	<66	NS
HRO*	<68	<66	<66	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-113				
Date	5/13/2015	8/10/2015	11/16/2015	5/13/2016
GRO	75	<50	<50	<50
DRO	<29	<28	<29	<29
DRO*	<29	<28	<29	--
HRO	<67	<66	<68	<67
HRO*	<67	<66	<68	--
Benzene	<0.5	<0.5	<0.5	<0.5
Toluene	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	<0.5	<0.5	<0.5	<0.5
Total Xylenes	<0.5	<0.5	<0.5	<0.5

MW-117				
Date	5/12/2015	8/10/2015	11/17/2015	5/13/2016
GRO	<50	<50	<50	NS
DRO	<29	<28	<28	NS
DRO*	<29	<28	<28	NS
HRO	<67	<66	<66	NS
HRO*	<67	<66	<66	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-118				
Date	5/12/2015	8/10/2015	11/17/2015	5/13/2016
GRO	<50	<50	<50	NS
DRO	75	<28	<29	NS
DRO*	69	<28	<29	NS
HRO	<67	<66	<67	NS
HRO*	<67	<66	<67	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

Cowlitz BP / Cowlitz Food and Fuel /
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FIGURE 3
Groundwater Analytical Results -
May 2015 through May 2016

- 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

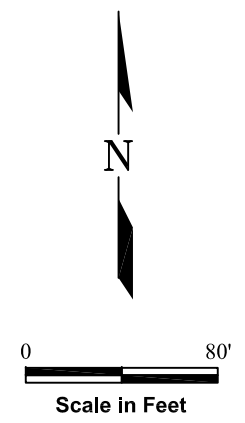


TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
COWLITZ BP / COWLITZ FOOD AND FUEL / FORMER TEXACO SERVICE STATION NO. 211556
101 Mulford Road
Toledo, Washington
Concentrations reported in µg/L

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 RESULTS¹
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												
08/12/10	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
05/24/11	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	LFP	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
02/4-6/13	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	LFP	107.81	INACCESSIBLE			--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
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	
05/13-14/16	LFP	107.81	--	8.60	0.00	99.21	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	
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					--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
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.)															
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
08/11/10	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
05/23/11	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
02/4-6/13	LFP	107.35	--	6.95	0.00	100.40	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073
05/6-8/13	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
02/4-11/14	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

TABLE 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-109 (cont.)															
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
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
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	--	26.5⁵
4/18/03		108.89	--	8.40	0.00	100.49	<250	<500	499	1.94	<0.500	0.799	1.65	--	16.8⁵
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

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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-110 (cont.)															
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
08/11/10	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
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
02/4-6/13	LFP	108.89	--	8.38	0.00	100.51	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073
05/6-8/13	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
02/4-11/14	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

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
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.)															
11/19-20/14	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								
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
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								

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
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.)															
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
05/03/04		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
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
08/11/10	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
05/24/11	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
02/4-6/13	LFP	107.12	--	6.53	0.00	100.59	2,300	710	7,500	<3	<3	120	24	<0.5	17.8
05/6-8/13	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

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
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.)															
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
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
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

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
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.)															
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
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
08/12/10	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
05/24/11	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
02/4-6/13	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	LFP	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

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
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.)															
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
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	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
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.)															
10/6/04		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	--	--	--	--	--	--
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
08/12/10	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
05/24/11	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
02/4-6/13	LFP	108.44	--	8.06	0.00	100.38	30	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073
05/6-8/13	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

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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 (cont.)																
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	
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 ³	
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	
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	--	--	--	--	--	--	

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
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.)															
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
08/11/10	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
05/23/11	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
02/4-6/13	LFP	106.89	--	6.27	0.00	100.62	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.13
05/6-8/13	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
02/4-11/14	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
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

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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-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					--	--	--	--	--	--	--	--	--
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 ³	
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					--	--	--	--	--	--	--	--	--

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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-115 (cont.)															
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
08/12/10	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
05/24/11	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
02/4-6/13	LFP	107.94	--	7.58	0.00	100.36	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073
05/6-8/13	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	LFP	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
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								

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
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															
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			--	--	--	--	--	--	--	--	--	--
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

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
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.)															
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
08/12/10	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
05/24/11		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
02/4-6/13	LFP	107.56	--	8.04	0.00	99.52	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073
05/6-8/13	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
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	LFP	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								
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

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
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.)															
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
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
08/12/10	LFP	106.57	--	7.68	0.00	98.89	<29	210	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
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.)															
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
05/24/11	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
02/4-6/13	LFP	106.57	--	6.29	0.00	100.28	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073
05/6-8/13	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								
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

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
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.)															
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
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
08/12/10	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
05/24/11		106.72	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
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.)															
8/23-24/11	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
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
02/4-6/13	LFP	106.72	--	6.57	0.00	100.15	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073
05/6-8/13	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	LFP	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								
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
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

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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.)															
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
08/12/10	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
05/24/11	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	LFP	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
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

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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.)															
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
02/4-6/13	LFP	108.35	--	7.99	0.00	100.36	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.099
05/6-8/13	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	LFP	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								
MW-120															
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
02/4-6/13	LFP	107.11	--	6.84	0.00	100.27	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073
05/6-8/13	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
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								
B-1															
2/14/91		107.74	--	--	0.00	--	<250	--	5,100	--	--	--	--	--	--
2/14/92		107.74	--	6.90	0.00	100.84	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
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.)																
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	
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	--	--	--	--	--	--	

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
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.)															
9/5/07		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
08/11/10	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
05/24/11	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
02/4-6/13	LFP	107.74	--	6.81	0.00	100.93	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073
05/6-8/13	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
B-2															
2/14/91		108.99	--	--	0.00	--	<250	--	180	--	--	--	--	--	--
2/14/92		108.99	--	8.08	0.00	100.91	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
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.)																
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	
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	--	--	--	--	--	--	

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
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.)															
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
08/11/10	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
05/24/11	LFP	108.99	--	8.33	0.00	100.66	<30	140	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.052
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
02/4-6/13	LFP	108.99	--	8.04	0.00	100.95	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.073
05/6-8/13	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
B-3															
2/14/91		108.46	--	--	0.00	--	<250	--	98,000	--	--	--	--	--	--
2/14/92		108.46	--	7.82	0.00	100.64	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
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.)															
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	--	--	--	--	--	--
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	--	24.6³

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
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.)															
10/6/04		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
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
08/11/10	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
05/24/11	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	<0.5	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
05/6-8/13	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

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
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.)																
11/16-18/15	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	
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					--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
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.)															
7/11/03		107.68	UNABLE TO LOCATE - PAVED OVER				--	--	--	--	--	--	--	--	--
10/31/03		107.68	UNABLE TO LOCATE - PAVED OVER				--	--	--	--	--	--	--	--	--
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
08/11/10	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
05/24/11	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
02/4-6/13	LFP	107.68	--	6.95	0.00	100.73	150	<69	1,600	<0.5	<0.5	4	<0.5	<0.5	2.5
05/6-8/13	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

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
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.)															
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
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
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
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	--	7.47	--	92.04	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

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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.)															
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 ³
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
08/12/10	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															
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	--	--	--	--	--	--	--	--	--
02/1892		100.45	--	8.84	0.00	91.61	--	--	--	--	--	--	--	--	--

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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.)															
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
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	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
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.)															
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
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

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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-105 (cont.)															
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															
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

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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.)															
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
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															

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GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
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															
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	--	--	--	--	--	--
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			--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
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.)															
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															
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

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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-108 (cont.)															
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
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															

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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
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	--
08/11/10		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
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	--
05/23/11		--	--	--	--	--	--	--	<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	--
02/4-6/13		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/6-8/13		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--

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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.)															
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	--
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

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:

- Analytical results in bold font indicate concentrations exceed MTCA Method A cleanup levels.
- TOC elevations have been surveyed in feet relative to the 1988 North American Vertical Datum.
- When LNAPL is present, GWE has been corrected using the following formula: $GWE = [(TOC - DTW) + (LNAPLT \times 0.80)]$.
- 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.
- Laboratory report indicates this sample was laboratory filtered.
- Laboratory indicates they did not receive a QA sample. No results were provided.
- 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.
- Insufficient groundwater to collect sample.

Attachment A:
Groundwater Monitoring and Sampling Data Package



GETTLER-RYAN INC.



TRANSMITTAL

May 24, 2016
G-R #386773

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

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

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

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package First Semi Annual Event of May 13 & 14, 2016

COMMENTS:

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

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

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

trans/211556

Standard Operating Procedure, Low-Flow Purging and Sampling

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

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

Initial Pump Discharge Test Procedures

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

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 ($\pm 10\%$), 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
 Site Address: 101 Mulford Road
 City: Toledo, WA

Job Number: 386773
 Event Date: 5/13-14/16 (inclusive)
 Sampler: GM

Well ID: MW-103
 Well Diameter: 2.4 in.
 Total Depth: 18.35 ft.
 Depth to Water: 8.60 ft.
9.75 xVF

Date Monitored: 5/13/16

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

Check if water column is less than 0.50 ft.

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

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:	<u> </u>
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 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	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc/NWTPH-Dx
	x 250ml poly	YES	NP	LANCASTER	DISSOLVED LEAD(6020 ICP/MS)
	x 500ml poly	YES	NP	LANCASTER	DISSOLVED LEAD(6020 ICP/MS)

COMMENTS: Depth Pump Set At: MA, M/O



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #211556
 Site Address: 101 Mulford Road
 City: Toledo, WA

Job Number: 386773
 Event Date: 5/13-14/16 (inclusive)
 Sampler: GM

Well ID: MW-109
 Well Diameter: 2.4 in.
 Total Depth: 12.66 ft.
 Depth to Water: 7.76 ft.
4.90 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 5/13/16

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

Check if water column is less than 0.50 ft.

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 _____
 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: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ ltr
 Amt Removed from Well: _____ ltr
 Water Removed: _____ ltr
 Product Transferred to: _____

Start Time (purge): 0908 Weather Conditions: RAIN
 Sample Time/Date: 0950 5/14/16 Water Color: TAN Odor: DIN SLIGHT
 Approx. Flow Rate: 200 mlpm Sediment Description: SL SILT
 Did well de-water? NO If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 7:50

Time (2400 hr.)	Volume (Liters)	pH	Conductivity ($\mu\text{S}/\text{mS}$ $\mu\text{mhos}/\text{cm}$)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0926</u>	<u>3.6</u>	<u>6.94</u>	<u>0.338</u>	<u>14.22</u>	<u>3.77</u>	<u>-110.5</u>	<u>7.79</u>
<u>0929</u>	<u>4.2</u>	<u>6.92</u>	<u>0.324</u>	<u>14.20</u>	<u>3.80</u>	<u>-110.9</u>	<u>7.80</u>
<u>0932</u>	<u>4.8</u>	<u>6.91</u>	<u>0.320</u>	<u>14.17</u>	<u>3.81</u>	<u>-111.4</u>	<u>7.80</u>

LABORATORY INFORMATION

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

COMMENTS: Depth Pump Set At: = 10.25ft

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
 Site Address: 101 Mulford Road
 City: Toledo, WA

Job Number: 386773
 Event Date: 5/13-14/10 (inclusive)
 Sampler: GM

Well ID: MW-110
 Well Diameter: 2 1/4 in.
 Total Depth: 19.81 ft.
 Depth to Water: 9.04 ft.
10.72 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 5/13/10

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

Check if water column is less than 0.50 ft.

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

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ ml/pm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 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 70a vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc/NWTPH-Dx
	x 250ml poly	YES	NP	LANCASTER	DISSOLVED LEAD(6020 ICP/MS)
	x 500ml poly	YES	NP	LANCASTER	DISSOLVED LEAD(6020 ICP/MS)

COMMENTS: Depth Pump Set At: NA, M10



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #211556
 Site Address: 101 Mulford Road
 City: Toledo, WA

Job Number: 386773
 Event Date: 5/13-14/16 (inclusive)
 Sampler: GM

Well ID: MW-111
 Well Diameter: 2.64 in.
 Total Depth: 12.77 ft.
 Depth to Water: 8.95 ft.
8.82 xVF _____ = _____

Date Monitored: 5/13/16

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

Check if water column is less than 0.50 ft.

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 _____
 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:	<u>Ø</u> 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): 1105 Weather Conditions: CLOUDY
 Sample Time/Date: 1145/5/13/16 Water Color: CLEAR Odor: VIN SLIGHT
 Approx. Flow Rate: 200 mlpm Sediment Description: SL SILT
 Did well de-water? NO If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 8.95

Time (2400 hr.)	Volume (Liters)	pH	Conductivity ($\mu S/cm$)	Temperature (C F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>1123</u>	<u>3.6</u>	<u>7.41</u>	<u>0.355</u>	<u>14.20</u>	<u>1.32</u>	<u>-135.9</u>	<u>8.95</u>
<u>1126</u>	<u>4.2</u>	<u>7.40</u>	<u>0.359</u>	<u>14.15</u>	<u>1.39</u>	<u>-137.5</u>	<u>8.95</u>
<u>1129</u>	<u>4.8</u>	<u>7.38</u>	<u>0.361</u>	<u>14.04</u>	<u>1.43</u>	<u>-138.2</u>	<u>8.95</u>

LABORATORY INFORMATION

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

COMMENTS: Depth Pump Set At: \approx 13.25ft.

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
 Site Address: 101 Mulford Road
 City: Toledo, WA

Job Number: 386773
 Event Date: 5/13-14/14 (inclusive)
 Sampler: GM

Well ID: MW-112
 Well Diameter: 2.4 in.
 Total Depth: 17.30 ft.
 Depth to Water: 8.18 ft.
9.12 xVF = _____

Date Monitored: 5/13/14

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

Check if water column is less than 0.50 ft.

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 _____
 Peristaltic Pump 6
 QED Bladder Pump _____
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>Ø</u> 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): 0910 Weather Conditions: CLOUDY
 Sample Time/Date: 0955/5/13/14 Water Color: CLEAR Odor: Ø SLIGHT
 Approx. Flow Rate: 200 mlpm Sediment Description: SLT
 Did well de-water? NO If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 8.19

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0928</u>	<u>3.4</u>	<u>7.24</u>	<u>0.144</u>	<u>12.48</u>	<u>3.20</u>	<u>-81.8</u>	<u>8.19</u>
<u>0931</u>	<u>4.2</u>	<u>7.78</u>	<u>0.145</u>	<u>12.42</u>	<u>7.22</u>	<u>-82.0</u>	<u>8.19</u>
<u>0934</u>	<u>4.8</u>	<u>7.26</u>	<u>0.144</u>	<u>12.45</u>	<u>3.23</u>	<u>-82.2</u>	<u>8.19</u>

LABORATORY INFORMATION

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

COMMENTS: Depth Pump Set At: ~12.75 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
 Site Address: 101 Mulford Road
 City: Toledo, WA

Job Number: 386773
 Event Date: 5/13-14/14 (inclusive)
 Sampler: GM

Well ID: MW-113
 Well Diameter: 2.4 in.
 Total Depth: 18.11 ft.
 Depth to Water: 8.95 ft.
9.16 xVF _____ = _____

Date Monitored: 5/13/14

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

Check if water column is less than 0.50 ft.

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 / Absorbent Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 1012 Weather Conditions: CLOUDY
 Sample Time/Date: 1050 15/3/14 Water Color: CLEAR Odor: (Y) N SLIGHT
 Approx. Flow Rate: 200 mlpm Sediment Description: SILT
 Did well de-water? NO If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 8.98

Time (2400 hr.)	Volume (Liters)	pH	Conductivity ($\mu S/cm$)	Temperature (C F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>1030</u>	<u>7.6</u>	<u>6.98</u>	<u>0.034</u>	<u>12.35</u>	<u>6.37</u>	<u>-58.7</u>	<u>8.97</u>
<u>1033</u>	<u>4.2</u>	<u>7.00</u>	<u>0.035</u>	<u>12.31</u>	<u>6.42</u>	<u>-59.0</u>	<u>8.97</u>
<u>1036</u>	<u>4.8</u>	<u>7.01</u>	<u>0.035</u>	<u>12.29</u>	<u>6.44</u>	<u>-59.2</u>	<u>8.98</u>

LABORATORY INFORMATION

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

COMMENTS: Depth Pump Set At: $\approx 12.50ft$

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
 Site Address: 101 Mulford Road
 City: Toledo, WA

Job Number: 386773
 Event Date: 5/13-14/16 (inclusive)
 Sampler: GM

Well ID: MW-114
 Well Diameter: 214 in.
 Total Depth: 16.81 ft.
 Depth to Water: 7.97 ft.
8.84 xVF = _____

Date Monitored: 5/13/16

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

Check if water column is less than 0.50 ft.

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 _____
 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:	<u>0</u> 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): 1010
 Sample Time/Date: 1054 5/14/16
 Approx. Flow Rate: 200 mlpm
 Did well de-water? NO If yes, Time: _____

Weather Conditions: RAIN
 Water Color: TAN Odor: (V) IN SLIGHT
 Sediment Description: SILT
 Volume: _____ ltrs DTW @ Sampling: 8.00

Time (2400 hr.)	Volume (Liters)	pH	Conductivity ($\mu\text{S}/\text{cm}$)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>1028</u>	<u>3.6</u>	<u>7.48</u>	<u>0.170</u>	<u>12.26</u>	<u>3.69</u>	<u>-89.4</u>	<u>7.99</u>
<u>1031</u>	<u>4.2</u>	<u>7.47</u>	<u>0.170</u>	<u>12.21</u>	<u>3.75</u>	<u>-90.8</u>	<u>8.00</u>
<u>1034</u>	<u>4.8</u>	<u>7.49</u>	<u>0.171</u>	<u>12.15</u>	<u>3.81</u>	<u>-91.1</u>	<u>8.00</u>

LABORATORY INFORMATION

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

COMMENTS: Depth Pump Set At: \approx 11.25ft.

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
 Site Address: 101 Mulford Road
 City: Toledo, WA

Job Number: 386773
 Event Date: 5/13-14/14 (inclusive)
 Sampler: GM

Well ID: MW115
 Well Diameter: 2 1/4 in.
 Total Depth: 13.47 ft.
 Depth to Water: 8.48 ft.
8.99 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 5/13/14

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

Check if water column is less than 0.50 ft.

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:	<u>Ø</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 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	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc/NWTPH-Dx
	x 250ml poly	YES	NP	LANCASTER	DISSOLVED LEAD(6020 ICP/MS)
	x 500ml poly	YES	NP	LANCASTER	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
 Site Address: 101 Mulford Road
 City: Toledo, WA

Job Number: 386773
 Event Date: 5/13/16 - 5/14/16 (inclusive)
 Sampler: Gum

Well ID: MW-116
 Well Diameter: 2.4 in.
 Total Depth: 17.59 ft.
 Depth to Water: 8.59 ft.
9.00 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 5/13/16

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

Check if water column is less than 0.50 ft.

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:	<u>0</u>	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	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc/NWTPH-Dx
	x 250ml poly	YES	NP	LANCASTER	DISSOLVED LEAD(6020 ICP/MS)
	x 500ml poly	YES	NP	LANCASTER	DISSOLVED LEAD(6020 ICP/MS)

COMMENTS: Depth Pump Set At: NA, M/O



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #211556
 Site Address: 101 Mulford Road
 City: Toledo, WA

Job Number: 386773
 Event Date: 5/13-14/16 (inclusive)
 Sampler: CM

Well ID: MW-117
 Well Diameter: (2) 4 in.
 Total Depth: 12.64 ft.
 Depth to Water: 7.38 ft.
10.26 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 5/13/16

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

Check if water column is less than 0.50 ft.

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:	<u>_____</u>	
Skimmer / Absorbant Sock (circle one)	_____	
Amt Removed from Skimmer:	_____	ltr
Amt Removed from Well:	_____	ltr
Water Removed:	_____	ltr
Product Transferred to:	_____	

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ ml/pm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 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	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc/NWTPH-Dx
	x 250ml poly	YES	NP	LANCASTER	DISSOLVED LEAD(6020 ICP/MS)
	x 500ml poly	YES	NP	LANCASTER	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
 Site Address: 101 Mulford Road
 City: Toledo, WA

Job Number: 386773
 Event Date: 5/13-14/16 (inclusive)
 Sampler: GM

Well ID: mw-112
 Well Diameter: 214 in.
 Total Depth: 17.21 ft.
 Depth to Water: 7.61 ft.
9.60 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 5/13/16

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

Check if water column is less than 0.50 ft.

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:	<u>⊗</u>
Skimmer / Absorbant Sock (circle one)	
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 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 vga vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc/NWTPH-Dx
	x 250ml poly	YES	NP	LANCASTER	DISSOLVED LEAD(6020 ICP/MS)
	x 500ml poly	YES	NP	LANCASTER	DISSOLVED LEAD(6020 ICP/MS)

COMMENTS: Depth Pump Set At: NA, M/O



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #211556
 Site Address: 101 Mulford Road
 City: Toledo, WA

Job Number: 386773
 Event Date: 5/13-14/16 (inclusive)
 Sampler: Gar

Well ID: MW-119
 Well Diameter: 214 in.
 Total Depth: 16.69 ft.
 Depth to Water: 8.89 ft.
7.80 xVF = _____

Date Monitored: 5/15/16

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

Check if water column is less than 0.50 ft.

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:	<u>Ø</u>	ft
Visual Confirmation/Description:	_____	
Skimmer / Absorbent Sock (circle one)	_____	
Amt Removed from Skimmer:	_____	ltr
Amt Removed from Well:	_____	ltr
Water Removed:	_____	ltr
Product Transferred to:	_____	

Start Time (purge): _____
 Sample Time/Date: _____ / _____
 Approx. Flow Rate: _____ mlpm
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 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	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc/NWTPH-Dx
	x 250ml poly	YES	NP	LANCASTER	DISSOLVED LEAD(6020 ICP/MS)
	x 500ml poly	YES	NP	LANCASTER	DISSOLVED LEAD(6020 ICP/MS)

COMMENTS: Depth Pump Set At: ✓ A, M, P



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #211556
 Site Address: 101 Mulford Road
 City: Toledo, WA

Job Number: 386773
 Event Date: 5/13-14/16 (inclusive)
 Sampler: C.W.

Well ID: MW-120
 Well Diameter: 2 1/4 in.
 Total Depth: 16.84 ft.
 Depth to Water: 7.81 ft.
9.03 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 5/13/16

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

Check if water column is less than 0.50 ft.

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	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc/NWTPH-Dx
	x 250ml poly	YES	NP	LANCASTER	DISSOLVED LEAD(6020 ICP/MS)
	x 500ml poly	YES	NP	LANCASTER	DISSOLVED LEAD(6020 ICP/MS)

COMMENTS: Depth Pump Set At: NA, M/O



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #211556
 Site Address: 101 Mulford Road
 City: Toledo, WA

Job Number: 386773
 Event Date: 5/13-14/16 (inclusive)
 Sampler: GM

Well ID: B-1
 Well Diameter: 214 in.
 Total Depth: 119.78 ft.
 Depth to Water: 7.80 ft.
11.98 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 5/13/16

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

Check if water column is less than 0.50 ft.

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 _____
 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:	<u>Ø</u> 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): 0510
 Sample Time/Date: 0553/5/14/16
 Approx. Flow Rate: 200 mlpm
 Did well de-water? NO If yes, Time: _____ Volume: _____

Weather Conditions: CLOUDY
 Water Color: CLEAR Odor: Ø PN SLIGHT
 Sediment Description: SL SILT
 ltrs DTW @ Sampling: 7.86

Time (2400 hr.)	Volume (Liters)	pH	Conductivity ($\mu\text{S}/\mu\text{S}$) ($\mu\text{mhos}/\text{cm}$)	Temperature (C) (F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>1528</u>	<u>3.6</u>	<u>7.42</u>	<u>0.190</u>	<u>12.91</u>	<u>2.74</u>	<u>-67.8</u>	<u>7.86</u>
<u>1531</u>	<u>4.2</u>	<u>7.40</u>	<u>0.191</u>	<u>12.90</u>	<u>2.81</u>	<u>-68.1</u>	<u>7.86</u>
<u>1534</u>	<u>4.8</u>	<u>7.39</u>	<u>0.192</u>	<u>12.87</u>	<u>2.80</u>	<u>-68.3</u>	<u>7.86</u>

LABORATORY INFORMATION

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

COMMENTS: Depth Pump Set At: \approx 14.00ft.

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
 Site Address: 101 Mulford Road
 City: Toledo, WA

Job Number: 386773
 Event Date: 5/13-14/16 (inclusive)
 Sampler: GM

Well ID: B-2
 Well Diameter: (2) 4 in.
 Total Depth: 19.02 ft.
 Depth to Water: 9.02 ft.
10.00 xVF = 3.00 = 30.00 gal.

Date Monitored: 5/13/16

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

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 3

Purge Equipment:

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

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Metal Filters _____
 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:	<u>Ø</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbent Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0618 Weather Conditions: CLOUDY
 Sample Time/Date: 0700 5/14/16 Water Color: clear Odor: Ø N SLIGHT
 Approx. Flow Rate: 200 mlpm Sediment Description: SLURRY
 Did well de-water? NO If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: 9.13

Time (2400 hr.)	Volume (Liters)	pH	Conductivity ($\mu\text{S}/\mu\text{S}$ / $\mu\text{mhos}/\text{cm}$)	Temperature (C) (F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0636</u>	<u>3.6</u>	<u>7.24</u>	<u>0.241</u>	<u>11.75</u>	<u>2.07</u>	<u>-82.9</u>	<u>9.12</u>
<u>0639</u>	<u>4.2</u>	<u>7.21</u>	<u>0.242</u>	<u>11.71</u>	<u>2.19</u>	<u>-83.4</u>	<u>9.13</u>
<u>0642</u>	<u>4.8</u>	<u>7.19</u>	<u>0.245</u>	<u>11.70</u>	<u>2.24</u>	<u>-84.5</u>	<u>9.13</u>

LABORATORY INFORMATION

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

COMMENTS: Depth Pump Set At: \approx 14.00



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #211556
 Site Address: 101 Mulford Road
 City: Toledo, WA

Job Number: 386773
 Event Date: 5/13/14 (inclusive)
 Sampler: GM

Well ID: B-3
 Well Diameter: 2.4 in.
 Total Depth: 13.51 ft.
 Depth to Water: 8.64 ft.
4.87 xVF = _____

Date Monitored: 5/13/14

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 than 0.50 ft.

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 _____
 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:	<u>9</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbent Sock (circle one)	_____
Amt Removed from Skimmer:	_____ ltr
Amt Removed from Well:	_____ ltr
Water Removed:	_____ ltr
Product Transferred to:	_____

Start Time (purge): 0715
 Sample Time/Date: 0758 5/14/14
 Approx. Flow Rate: 200 mlpm
 Did well de-water? NO If yes, Time: _____

Weather Conditions: RAIN
 Water Color: SLIGHT YELLOW Odor: (Y) N NO OIL ARO
 Sediment Description: SL SILT
 Volume: _____ ltrs DTW @ Sampling: 8.69

Time (2400 hr.)	Volume (Liters)	pH	Conductivity ($\mu\text{S}/\text{mS}$) ($\mu\text{mhos}/\text{cm}$)	Temperature (C) (F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0733</u>	<u>3.6</u>	<u>7.14</u>	<u>0.312</u>	<u>12.30</u>	<u>3.24</u>	<u>-102.7</u>	<u>8.69</u>
<u>0736</u>	<u>4.2</u>	<u>7.12</u>	<u>0.329</u>	<u>12.27</u>	<u>3.31</u>	<u>-103.2</u>	<u>8.69</u>
<u>0739</u>	<u>4.8</u>	<u>7.09</u>	<u>0.332</u>	<u>12.21</u>	<u>3.37</u>	<u>-104.2</u>	<u>8.69</u>

LABORATORY INFORMATION

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

COMMENTS: Depth Pump Set At: \approx 11:00 P.M.



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #211556
 Site Address: 101 Mulford Road
 City: Toledo, WA

Job Number: 386773
 Event Date: 5/13-14/14 (inclusive)
 Sampler: GM

Well ID: B-4
 Well Diameter: 204 in.
 Total Depth: 14.60 ft.
 Depth to Water: 7.84 ft.
6.82 xVF = _____

Date Monitored: 5/13/14

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

Check if water column is less than 0.50 ft.

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 _____
 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:	<u>Ø</u>	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): 0812
 Sample Time/Date: 0850 5/14/14
 Approx. Flow Rate: 200 mlpm
 Did well de-water? NO If yes, Time: _____

Weather Conditions: RAIN
 Water Color: TAN Odor: YN MODERATE
 Sediment Description: GULF
 Volume: _____ ltrs DTW @ Sampling: 2-93

Time (2400 hr.)	Volume (Liters)	pH	Conductivity ($\mu S / MS$ $\mu mhos/cm$)	Temperature (° F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
<u>0830</u>	<u>3.6</u>	<u>7.40</u>	<u>0.541</u>	<u>14.18</u>	<u>2.39</u>	<u>-102.1</u>	<u>7.92</u>
<u>0833</u>	<u>4.2</u>	<u>7.42</u>	<u>0.553</u>	<u>14.05</u>	<u>2.40</u>	<u>-102.6</u>	<u>7.92</u>
<u>0836</u>	<u>4.8</u>	<u>7.49</u>	<u>0.561</u>	<u>13.96</u>	<u>2.42</u>	<u>-103.7</u>	<u>7.93</u>

LABORATORY INFORMATION

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

COMMENTS: Depth Pump Set At: ~11.00ft

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

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

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

1 Client Information			4 Matrix			5 Analyses Requested										
Facility # SS#211556-OML G-R#386773 WBS			<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air <input type="checkbox"/> Oil Total Number of Containers _____			<input type="checkbox"/> BTEX + MTBE <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> Naphth 8260 full scan Oxygenates NWTPH-Gx NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input checked="" type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input checked="" type="checkbox"/> Method <input checked="" type="checkbox"/>										
Site Address 101 Mulford Road, TOLEDO, WA																
Chevron PM MHO LEIDOSRS Lead Consultant Russell Shroder																
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			3 Composite													
Sampler GM			Grab													
2 Sample Identification		Collected														
		Date	Time													
QA		5/13/16	-	X			2 X									
Mw-109		14	0950	X			9 X									
Mw-111		13	1145	X			X									
Mw-112		13	0955	X			X									
Mw-113		13	1050	X			X									
Mw-114		14	1054	X			X									
B-1			0553	X			X									
B-2			0700	X			X									
B-3			0758	X			X									
B-4			0850	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. Dissolved Lead, samples have been field filtered. TO BE 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 <i>[Signature]</i>	Date 5/17/16	Time 13:20	Received by <i>[Signature]</i>	Date 5/17/16	Time 13:20
Relinquished by <i>[Signature]</i>	Date 5/17/16	Time	Received by	Date	Time

8 Data Package (circle if required)

Type I - Full **EDD** (circle if required)

Type VI (Raw Data) CVX-RTBU-FL_05 (default)

Other: _____

Relinquished by Commercial Carrier:

UPS _____ FedEx _____ Other _____

Temperature Upon Receipt _____ °C Custody Seals Intact? Yes No



GETTLER-RYAN INC.



TRANSMITTAL

May 24, 2016
G-R #386773

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

FROM: Deanna L. Harding
Project Coordinator
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 May 14, 2016

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
 Site Address: 101 Mulford Road
 City: Toledo, WA

Job Number: 386773
 Event Date: 5/14/10 (inclusive)
 Sampler: Cam

Well ID: TPWHD-1
 Well Diameter: in.
 Total Depth: ft.
 Depth to Water: ft.

Date Monitored: NA

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

Check if water column is less than 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:

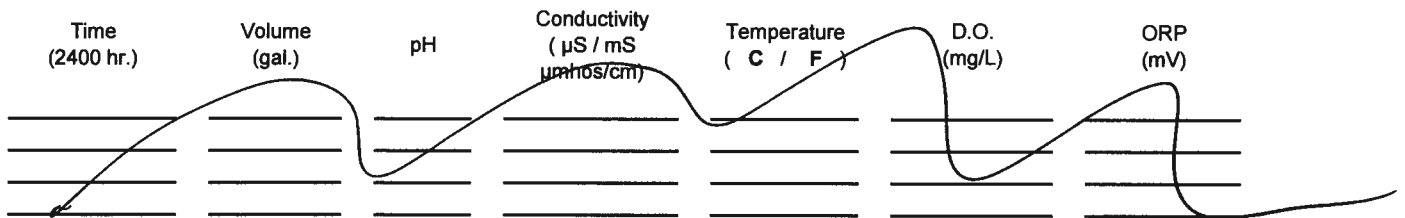
Sampling Equipment:

Disposable Bailer
 Pressure Bailer
 Metal Filters
 Peristaltic Pump
 QED Bladder Pump
 Other: CARBON DISCHARGE

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

Start Time (purge):
 Sample Time/Date: 1120 5/14/10
 Approx. Flow Rate: gpm.
 Did well de-water? If yes, Time:

Weather Conditions: RAIN
 Water Color: CLEAR Odor: YIN
 Sediment Description: NONE
 Volume: gal. DTW @ Sampling:



LABORATORY INFORMATION

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

COMMENTS:

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

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

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

1 Client Information			4 Matrix			5 Analyses Requested																
Facility # SS#211556-OML G-R#386773 WBS			Sediment <input type="checkbox"/> Ground <input checked="" type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air <input type="checkbox"/>	Total Number of Containers BTEX + MTBE <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> Naphth <input type="checkbox"/> 8260 full scan Oxygenates NWTPH-Gx NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input checked="" type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input checked="" type="checkbox"/> Method <input checked="" type="checkbox"/>																		
Site Address 101 Mulford Road, TOLEDO, WA																						
Chevron PM MHO LEIDOSRS Lead Consultant Russell Shropshire																						
Consultant/Office Gettier-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 GM			3 Composite																			
2 Sample Identification		Collected		Grab	Soil	Water	Oil	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	Diss.	Method		
		Date	Time																			
DA		5/14/16	—	X		W		2	X			X										
TPWHD-1		↓	1120	↓		↓		9	↓			↓	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. Dissolved Lead, samples have been field filtered. TO BE 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 <i>[Signature]</i>	Date 5/12/16	Time 13:20	Received by <i>[Signature]</i>	Date 5/17/16	Time 13:20
Relinquished by <i>[Signature]</i>	Date 5/17/16	Time	Received by	Date	Time

8 Data Package (circle if required)

Type I - Full **EDD (circle if required)**

Type VI (Raw Data) CVX-RTBU-FL_05 (default)

Other: _____

Relinquished by Commercial Carrier:

UPS _____ FedEx _____ Other _____

Temperature Upon Receipt _____ °C

Received by _____

Custody Seals Intact? Yes No

Attachment B:
Laboratory Analysis Report

ANALYTICAL RESULTS

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: June 03, 2016

Project: 211556

Submittal Date: 05/18/2016
Group Number: 1662892
PO Number: 0015201727
Release Number: HORNE
State of Sample Origin: WA

Client Sample Description

	Lancaster Labs (LL) #
QA NA Water	8386933
MW-109 Grab Groundwater	8386934
MW-109 Filtered Grab Groundwater	8386935
MW-111 Grab Groundwater	8386936
MW-111 Filtered Grab Groundwater	8386937
MW-112 Grab Groundwater	8386938
MW-112 Filtered Grab Groundwater	8386939
MW-113 Grab Groundwater	8386940
MW-113 Filtered Grab Groundwater	8386941
MW-114 Grab Groundwater	8386942
MW-114 Filtered Grab Groundwater	8386943
B-1 Grab Groundwater	8386944
B-1 Filtered Grab Groundwater	8386945
B-2 Grab Groundwater	8386946
B-2 Filtered Grab Groundwater	8386947
B-3 Grab Groundwater	8386948
B-3 Filtered Grab Groundwater	8386949
B-4 Grab Groundwater	8386950
B-4 Filtered Grab Groundwater	8386951

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

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

Electronic Copy To Leidos
Electronic Copy To Leidos

Attn: Russ Shropshire
Attn: Jamalyn Agyei

Electronic Copy To Gettler-Ryan Inc.

Attn: Gettler Ryan

Respectfully Submitted,



Amek Carter
Specialist

(717) 556-7252

Sample Description: QA NA Water
Facility# 211556 Job# 386773
101 Mulford Rd - Toledo, WA

LL Sample # WW 8386933
LL Group # 1662892
Account # 11260

Project Name: 211556

Collected: 05/13/2016

Chevron

6001 Bollinger Canyon Road

Submitted: 05/18/2016 10:00

L4310

Reported: 06/03/2016 13:09

San Ramon CA 94583

MRTQA

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX 8260B Water	SW-846 8260B	1	F161412AA	05/20/2016 09:52	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F161412AA	05/20/2016 09:52	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16143C20A	05/23/2016 18:42	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	16143C20A	05/23/2016 18:42	Brett W Kenyon	1

Sample Description: MW-109 Grab Groundwater
Facility# 211556 Job# 386773
101 Mulford Rd - Toledo, WA

LL Sample # WW 8386934
LL Group # 1662892
Account # 11260

Project Name: 211556

Collected: 05/14/2016 09:50 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 05/18/2016 10:00

L4310

Reported: 06/03/2016 13:09

San Ramon CA 94583

MRT09

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx ug/l					
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	N.D.	28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX 8260B Water	SW-846 8260B	1	F161412AA	05/20/2016 10:14	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F161412AA	05/20/2016 10:14	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602	1	16143C20A	05/23/2016 20:34	Brett W Kenyon	1
01146	GC VOA Water Prep	NWTPH-Gx					
08271	NWTPH-Dx water	SW-846 5030B	1	16143C20A	05/23/2016 20:34	Brett W Kenyon	1
		ECY 97-602	1	161420014A	05/24/2016 03:10	Heather E Williams	1
		NWTPH-Dx modified					
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602	1	161420015A	05/25/2016 16:34	Christine E Dolman	1
		NWTPH-Dx modified					
12007	NW Dx water w/ 10g column	ECY 97-602	1	161420015A	05/23/2016 09:00	Bradley W VanLeuven	1
		NWTPH-Dx 06/97					
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602	1	161420014A	05/23/2016 09:00	Bradley W VanLeuven	1
		NWTPH-Dx 06/97					

Sample Description: MW-109 Filtered Grab Groundwater
Facility# 211556 Job# 386773
101 Mulford Rd - Toledo, WA

LL Sample # WW 8386935
LL Group # 1662892
Account # 11260

Project Name: 211556

Collected: 05/14/2016 09:50 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 05/18/2016 10:00

L4310

Reported: 06/03/2016 13:09

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
06035	Metals Dissolved Lead	SW-846 6020 7439-92-1	ug/l N.D.	ug/l 0.13	1

Sample Comments

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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035	Lead	SW-846 6020	1	161406050003A	05/23/2016 00:16	Tara L Snyder	1
06050	ICPMS-Water, 3020A - U3	SW-846 3020A	1	161406050003	05/22/2016 06:53	James L Mertz	1

Sample Description: MW-111 Grab Groundwater
Facility# 211556 Job# 386773
101 Mulford Rd - Toledo, WA

LL Sample # WW 8386936
LL Group # 1662892
Account # 11260

Project Name: 211556

Collected: 05/13/2016 11:45 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 05/18/2016 10:00

L4310

Reported: 06/03/2016 13:09

San Ramon CA 94583

MRT11

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	19	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	2	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx ug/l					
08273	NWTPH-Gx water C7-C12	n.a.	4,200	50	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	1,200	28	1
08271	Heavy Range Organics C24-C40	n.a.	1,600	66	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	350	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	680	66	1
The reverse surrogate, capric acid, is present at <1%.					

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX 8260B Water	SW-846 8260B	1	F161412AA	05/20/2016 11:20	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F161412AA	05/20/2016 11:20	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602	1	16143C20A	05/23/2016 21:01	Brett W Kenyon	1
01146	GC VOA Water Prep	NWTPH-Gx					
08271	NWTPH-Dx water	SW-846 5030B	1	16143C20A	05/23/2016 21:01	Brett W Kenyon	1
		ECY 97-602	1	161420014A	05/24/2016 04:36	Heather E Williams	1
		NWTPH-Dx modified					
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602	1	161420015A	05/25/2016 18:22	Christine E Dolman	1
		NWTPH-Dx modified					
12007	NW Dx water w/ 10g column	ECY 97-602	1	161420015A	05/23/2016 09:00	Bradley W VanLeuven	1
		NWTPH-Dx 06/97					
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602	1	161420014A	05/23/2016 09:00	Bradley W VanLeuven	1
		NWTPH-Dx 06/97					

Sample Description: MW-111 Filtered Grab Groundwater
Facility# 211556 Job# 386773
101 Mulford Rd - Toledo, WA

LL Sample # WW 8386937
LL Group # 1662892
Account # 11260

Project Name: 211556

Collected: 05/13/2016 11:45 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 05/18/2016 10:00

L4310

Reported: 06/03/2016 13:09

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
06035	Lead	SW-846 6020 7439-92-1	ug/l 7.8	ug/l 0.13	1

Sample Comments

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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035	Lead	SW-846 6020	1	161406050003A	05/23/2016 00:17	Tara L Snyder	1
06050	ICPMS-Water, 3020A - U3	SW-846 3020A	1	161406050003	05/22/2016 06:53	James L Mertz	1

Sample Description: MW-112 Grab Groundwater
Facility# 211556 Job# 386773
101 Mulford Rd - Toledo, WA

LL Sample # WW 8386938
LL Group # 1662892
Account # 11260

Project Name: 211556

Collected: 05/13/2016 09:55 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 05/18/2016 10:00

L4310

Reported: 06/03/2016 13:09

San Ramon CA 94583

MRT12

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx					
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons ECY 97-602 NWTPH-Dx modified					
08271	Diesel Range Organics C12-C24	n.a.	N.D.	28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX 8260B Water	SW-846 8260B	1	F161412AA	05/20/2016 11:41	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F161412AA	05/20/2016 11:41	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16143C20A	05/23/2016 21:29	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	16143C20A	05/23/2016 21:29	Brett W Kenyon	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	161420014A	05/24/2016 01:22	Heather E Williams	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	161420014A	05/23/2016 09:00	Bradley W VanLeuven	1

Sample Description: MW-112 Filtered Grab Groundwater
Facility# 211556 Job# 386773
101 Mulford Rd - Toledo, WA

LL Sample # WW 8386939
LL Group # 1662892
Account # 11260

Project Name: 211556

Collected: 05/13/2016 09:55 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 05/18/2016 10:00

L4310

Reported: 06/03/2016 13:09

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
06035	Lead	SW-846 6020 7439-92-1	ug/l N.D.	ug/l 0.13	1

Sample Comments

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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035	Lead	SW-846 6020	1	161406050003A	05/23/2016 00:19	Tara L Snyder	1
06050	ICPMS-Water, 3020A - U3	SW-846 3020A	1	161406050003	05/22/2016 06:53	James L Mertz	1

Sample Description: MW-113 Grab Groundwater
Facility# 211556 Job# 386773
101 Mulford Rd - Toledo, WA

LL Sample # WW 8386940
LL Group # 1662892
Account # 11260

Project Name: 211556

Collected: 05/13/2016 10:50 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 05/18/2016 10:00

L4310

Reported: 06/03/2016 13:09

San Ramon CA 94583

MRT13

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx					
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons ECY 97-602 NWTPH-Dx modified					
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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX 8260B Water	SW-846 8260B	1	F161412AA	05/20/2016 12:03	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F161412AA	05/20/2016 12:03	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16143C20A	05/23/2016 21:57	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	16143C20A	05/23/2016 21:57	Brett W Kenyon	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	161420014A	05/24/2016 01:44	Heather E Williams	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	161420014A	05/23/2016 09:00	Bradley W VanLeuven	1

Sample Description: MW-113 Filtered Grab Groundwater
Facility# 211556 Job# 386773
101 Mulford Rd - Toledo, WA

LL Sample # WW 8386941
LL Group # 1662892
Account # 11260

Project Name: 211556

Collected: 05/13/2016 10:50 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 05/18/2016 10:00

L4310

Reported: 06/03/2016 13:09

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
06035	Lead	SW-846 6020 7439-92-1	ug/l N.D.	ug/l 0.13	1

Sample Comments

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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035	Lead	SW-846 6020	1	161406050003A	05/23/2016 00:21	Tara L Snyder	1
06050	ICPMS-Water, 3020A - U3	SW-846 3020A	1	161406050003	05/22/2016 06:53	James L Mertz	1

Sample Description: MW-114 Grab Groundwater
Facility# 211556 Job# 386773
101 Mulford Rd - Toledo, WA

LL Sample # WW 8386942
LL Group # 1662892
Account # 11260

Project Name: 211556

Collected: 05/14/2016 10:54 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 05/18/2016 10:00

L4310

Reported: 06/03/2016 13:09

San Ramon CA 94583

MRT14

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx ug/l					
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	67	29	1
08271	Heavy Range Organics C24-C40	n.a.	490	67	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	35	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	260	67	1
The reverse surrogate, capric acid, is present at <1%.					

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX 8260B Water	SW-846 8260B	1	F161412AA	05/20/2016 12:24	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F161412AA	05/20/2016 12:24	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602	1	16143C20A	05/23/2016 22:25	Brett W Kenyon	1
01146	GC VOA Water Prep	NWTPH-Gx					
08271	NWTPH-Dx water	SW-846 5030B	1	16143C20A	05/23/2016 22:25	Brett W Kenyon	1
		ECY 97-602	1	161420014A	05/24/2016 04:15	Heather E Williams	1
		NWTPH-Dx modified					
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602	1	161420015A	05/25/2016 18:00	Christine E Dolman	1
		NWTPH-Dx modified					
12007	NW Dx water w/ 10g column	ECY 97-602	1	161420015A	05/23/2016 09:00	Bradley W VanLeuven	1
		NWTPH-Dx 06/97					
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602	1	161420014A	05/23/2016 09:00	Bradley W VanLeuven	1
		NWTPH-Dx 06/97					

Sample Description: MW-114 Filtered Grab Groundwater
Facility# 211556 Job# 386773
101 Mulford Rd - Toledo, WA

LL Sample # WW 8386943
LL Group # 1662892
Account # 11260

Project Name: 211556

Collected: 05/14/2016 10:54 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 05/18/2016 10:00

L4310

Reported: 06/03/2016 13:09

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
06035	Lead	SW-846 6020 7439-92-1	ug/l N.D.	ug/l 0.13	1

Sample Comments

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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035	Lead	SW-846 6020	1	161406050003A	05/23/2016 00:22	Tara L Snyder	1
06050	ICPMS-Water, 3020A - U3	SW-846 3020A	1	161406050003	05/22/2016 06:53	James L Mertz	1

Sample Description: B-1 Grab Groundwater
Facility# 211556 Job# 386773
101 Mulford Rd - Toledo, WA

LL Sample # WW 8386944
LL Group # 1662892
Account # 11260

Project Name: 211556

Collected: 05/14/2016 05:53 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 05/18/2016 10:00

L4310

Reported: 06/03/2016 13:09

San Ramon CA 94583

MRTB1

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx					
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum ECY 97-602 NWTPH-Dx					
Hydrocarbons modified					
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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX 8260B Water	SW-846 8260B	1	Z161412AA	05/20/2016 21:11	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z161412AA	05/20/2016 21:11	Hu Yang	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16143C20A	05/23/2016 22:52	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	16143C20A	05/23/2016 22:52	Brett W Kenyon	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	161420014A	05/24/2016 02:49	Heather E Williams	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	161420014A	05/23/2016 09:00	Bradley W VanLeuven	1

Sample Description: B-1 Filtered Grab Groundwater
 Facility# 211556 Job# 386773
 101 Mulford Rd - Toledo, WA

LL Sample # WW 8386945
 LL Group # 1662892
 Account # 11260

Project Name: 211556

Collected: 05/14/2016 05:53 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 05/18/2016 10:00

L4310

Reported: 06/03/2016 13:09

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
06035	Lead	SW-846 6020 7439-92-1	ug/l N.D.	ug/l 0.13	1

Sample Comments

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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035	Lead	SW-846 6020	1	161406050003A	05/23/2016 00:24	Tara L Snyder	1
06050	ICPMS-Water, 3020A - U3	SW-846 3020A	1	161406050003	05/22/2016 06:53	James L Mertz	1

Sample Description: B-2 Grab Groundwater
Facility# 211556 Job# 386773
101 Mulford Rd - Toledo, WA

LL Sample # WW 8386946
LL Group # 1662892
Account # 11260

Project Name: 211556

Collected: 05/14/2016 07:00 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 05/18/2016 10:00

L4310

Reported: 06/03/2016 13:09

San Ramon CA 94583

MRTB2

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx					
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons ECY 97-602 NWTPH-Dx modified					
08271	Diesel Range Organics C12-C24	n.a.	37	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX 8260B Water	SW-846 8260B	1	Z161412AA	05/20/2016 21:35	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z161412AA	05/20/2016 21:35	Hu Yang	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16143C20A	05/23/2016 23:48	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	16143C20A	05/23/2016 23:48	Brett W Kenyon	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	161420014A	05/24/2016 02:05	Heather E Williams	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	161420014A	05/23/2016 09:00	Bradley W VanLeuven	1

Sample Description: B-2 Filtered Grab Groundwater
 Facility# 211556 Job# 386773
 101 Mulford Rd - Toledo, WA

LL Sample # WW 8386947
 LL Group # 1662892
 Account # 11260

Project Name: 211556

Collected: 05/14/2016 07:00 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 05/18/2016 10:00

L4310

Reported: 06/03/2016 13:09

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
06035	Lead	SW-846 6020 7439-92-1	ug/l N.D.	ug/l 0.13	1

Sample Comments

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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035	Lead	SW-846 6020	1	161416050001A	05/21/2016 23:47	Tara L Snyder	1
06050	ICPMS-Water, 3020A - U3	SW-846 3020A	1	161416050001	05/20/2016 16:15	Barbara A Kane	1

Sample Description: B-3 Grab Groundwater
Facility# 211556 Job# 386773
101 Mulford Rd - Toledo, WA

LL Sample # WW 8386948
LL Group # 1662892
Account # 11260

Project Name: 211556

Collected: 05/14/2016 07:58 by GM

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Submitted: 05/18/2016 10:00

Reported: 06/03/2016 13:09

MRTB3

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	1	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx ug/l					
08273	NWTPH-Gx water C7-C12	n.a.	400	50	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	650	29	1
08271	Heavy Range Organics C24-C40	n.a.	220	67	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	38	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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX 8260B Water	SW-846 8260B	1	Z161412AA	05/20/2016 21:59	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z161412AA	05/20/2016 21:59	Hu Yang	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16143C20A	05/24/2016 00:16	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	16143C20A	05/24/2016 00:16	Brett W Kenyon	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	161420014A	05/24/2016 03:31	Heather E Williams	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	161420015A	05/25/2016 16:56	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	161420015A	05/23/2016 09:00	Bradley W VanLeuven	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	161420014A	05/23/2016 09:00	Bradley W VanLeuven	1

Sample Description: B-3 Filtered Grab Groundwater
Facility# 211556 Job# 386773
101 Mulford Rd - Toledo, WA

LL Sample # WW 8386949
LL Group # 1662892
Account # 11260

Project Name: 211556

Collected: 05/14/2016 07:58 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 05/18/2016 10:00

L4310

Reported: 06/03/2016 13:09

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
06035	Lead	SW-846 6020 7439-92-1	ug/l 5.1	ug/l 0.13	1

Sample Comments

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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035	Lead	SW-846 6020	1	161416050001A	05/21/2016 23:49	Tara L Snyder	1
06050	ICPMS-Water, 3020A - U3	SW-846 3020A	1	161416050001	05/20/2016 16:15	Barbara A Kane	1

Sample Description: B-4 Grab Groundwater
Facility# 211556 Job# 386773
101 Mulford Rd - Toledo, WA

LL Sample # WW 8386950
LL Group # 1662892
Account # 11260

Project Name: 211556

Collected: 05/14/2016 08:50 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 05/18/2016 10:00

L4310

Reported: 06/03/2016 13:09

San Ramon CA 94583

MRTB4

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	0.9	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx ug/l					
08273	NWTPH-Gx water C7-C12	n.a.	2,100	50	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	390	28	1
08271	Heavy Range Organics C24-C40	n.a.	550	66	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	120	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	300	66	1
The reverse surrogate, capric acid, is present at <1%.					

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX 8260B Water	SW-846 8260B	1	Z161412AA	05/20/2016 22:23	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z161412AA	05/20/2016 22:23	Hu Yang	1
08273	NWTPH-Gx water C7-C12	ECY 97-602	1	16143C20A	05/24/2016 00:43	Brett W Kenyon	1
01146	GC VOA Water Prep	NWTPH-Gx					
08271	NWTPH-Dx water	SW-846 5030B	1	16143C20A	05/24/2016 00:43	Brett W Kenyon	1
		ECY 97-602	1	161420014A	05/24/2016 03:53	Heather E Williams	1
		NWTPH-Dx modified					
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602	1	161420015A	05/25/2016 17:39	Christine E Dolman	1
		NWTPH-Dx modified					
12007	NW Dx water w/ 10g column	ECY 97-602	1	161420015A	05/23/2016 09:00	Bradley W VanLeuven	1
		NWTPH-Dx 06/97					
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602	1	161420014A	05/23/2016 09:00	Bradley W VanLeuven	1
		NWTPH-Dx 06/97					

Sample Description: B-4 Filtered Grab Groundwater
Facility# 211556 Job# 386773
101 Mulford Rd - Toledo, WA

LL Sample # WW 8386951
LL Group # 1662892
Account # 11260

Project Name: 211556

Collected: 05/14/2016 08:50 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 05/18/2016 10:00

L4310

Reported: 06/03/2016 13:09

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
06035	Lead	SW-846 6020 7439-92-1	ug/l 0.81	ug/l 0.13	1

Sample Comments

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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035	Lead	SW-846 6020	1	161476050001A	05/31/2016 11:39	Choon Y Tian	1
06050	ICPMS-Water, 3020A - U3	SW-846 3020A	1	161476050001	05/27/2016 05:35	Lisa J Cooke	1

Quality Control Summary

Client Name: Chevron
Reported: 06/03/2016 13:09

Group Number: 1662892

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: F161412AA	Sample number(s): 8386933-8386934, 8386936, 8386938, 8386940, 8386942	
Benzene	N.D.	0.5
Ethylbenzene	N.D.	0.5
Toluene	N.D.	0.5
Xylene (Total)	N.D.	0.5
Batch number: Z161412AA	Sample number(s): 8386944, 8386946, 8386948, 8386950	
Benzene	N.D.	0.5
Ethylbenzene	N.D.	0.5
Toluene	N.D.	0.5
Xylene (Total)	N.D.	0.5
Batch number: 16143C20A	Sample number(s):	
NWTPH-Gx water C7-C12	8386933-8386934, 8386936, 8386938, 8386940, 8386942, 8386944, 8386946, 8386948, 8386950	
	N.D.	50
Batch number: 161420014A	Sample number(s):	
	8386934, 8386936, 8386938, 8386940, 8386942, 8386944, 8386946, 8386948, 8386950	
Diesel Range Organics C12-C24	N.D.	30
Heavy Range Organics C24-C40	N.D.	70
Batch number: 161420015A	Sample number(s): 8386934, 8386936, 8386942, 8386948, 8386950	
DRO C12-C24 w/Si Gel	N.D.	30
HRO C24-C40 w/Si Gel	N.D.	70
Batch number: 161406050003A	Sample number(s): 8386935, 8386937, 8386939, 8386941, 8386943, 8386945	
Lead	N.D.	0.13
Batch number: 161416050001A	Sample number(s): 8386947, 8386949	
Lead	N.D.	0.13
Batch number: 161476050001A	Sample number(s): 8386951	
Lead	N.D.	0.13

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: F161412AA	Sample number(s): 8386933-8386934, 8386936, 8386938, 8386940, 8386942								
Benzene	20	20.28			101		78-120		
Ethylbenzene	20	18.9			95		78-120		
Toluene	20	19.2			96		80-120		

*- 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.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 06/03/2016 13:09

Group Number: 1662892

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
Xylene (Total)	60	57.71			96		80-120		
Batch number: Z161412AA	Sample number(s): 8386944, 8386946, 8386948, 8386950								
Benzene	20	18.45	20	18.76	92	94	78-120	2	30
Ethylbenzene	20	18.31	20	18.35	92	92	78-120	0	30
Toluene	20	19.17	20	19.16	96	96	80-120	0	30
Xylene (Total)	60	56.56	60	57.11	94	95	80-120	1	30
	ug/l	ug/l	ug/l	ug/l					
Batch number: 16143C20A	Sample number(s): 8386933-8386934, 8386936, 8386938, 8386940, 8386942, 8386944, 8386946, 8386948, 8386950								
NWTPH-Gx water C7-C12	1100	1043.79	1100	1034.73	95	94	79-120	1	30
	ug/l	ug/l	ug/l	ug/l					
Batch number: 161420014A	Sample number(s): 8386934, 8386936, 8386938, 8386940, 8386942, 8386944, 8386946, 8386948, 8386950								
Diesel Range Organics C12-C24	1600	1161.27	1600	1115.32	73	70	50-113	4	20
	ug/l	ug/l	ug/l	ug/l					
Batch number: 161420015A	Sample number(s): 8386934, 8386936, 8386942, 8386948, 8386950								
DRO C12-C24 w/Si Gel	1600	976.15	1600	946.04	61	59	32-117	3	20
	ug/l	ug/l	ug/l	ug/l					
Batch number: 161406050003A	Sample number(s): 8386935, 8386937, 8386939, 8386941, 8386943, 8386945								
Lead	15	15.98			107		80-120		
Batch number: 161416050001A	Sample number(s): 8386947, 8386949								
Lead	15	15.66			104		80-120		
Batch number: 161476050001A	Sample number(s): 8386951								
Lead	15	14.62			97		80-120		

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: F161412AA	Sample number(s): 8386933-8386934, 8386936, 8386938, 8386940, 8386942 UNSPK: 8386934									
Benzene	N.D.	20	21.25	20	20.67	106	103	78-120	3	30
Ethylbenzene	N.D.	20	19.77	20	19.69	99	98	78-120	0	30
Toluene	N.D.	20	19.84	20	20.03	99	100	80-120	1	30
Xylene (Total)	N.D.	60	59.84	60	59.76	100	100	80-120	0	30
	ug/l	ug/l	ug/l	ug/l	ug/l					
Batch number: 161406050003A	Sample number(s): 8386935, 8386937, 8386939, 8386941, 8386943, 8386945 UNSPK: P384927									

*- 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.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 06/03/2016 13:09

Group Number: 1662892

MS/MSD (continued)

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
Lead	N.D.	15	16.11	15	15.66	107	104	75-125	3	20
Batch number: 161416050001A	Sample number(s): 8386947,8386949 UNSPK: P387690									
Lead	N.D.	15	15.53	15	15.58	104	104	75-125	0	20
Batch number: 161476050001A	Sample number(s): 8386951 UNSPK: P386360									
Lead	N.D.	15	14.91	15	15.24	99	102	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: 161406050003A	Sample number(s): 8386935,8386937,8386939,8386941,8386943,8386945 BKG: P384927			
Lead	N.D.	N.D.	0 (1)	20
Batch number: 161416050001A	Sample number(s): 8386947,8386949 BKG: P387690			
Lead	N.D.	N.D.	0 (1)	20
Batch number: 161476050001A	Sample number(s): 8386951 BKG: P386360			
Lead	N.D.	N.D.	0 (1)	20

Surrogate Quality Control

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

Analysis Name: BTEX 8260B Water
Batch number: F161412AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8386933	96	96	94	89
8386934	98	98	94	85
8386936	94	92	93	95
8386938	97	99	93	90
8386940	98	95	95	89
8386942	99	100	94	91
Blank	97	96	95	89
LCS	95	97	94	92
MS	96	99	95	93
MSD	95	95	95	94
Limits:	80-116	77-113	80-113	78-113

*- 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.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 06/03/2016 13:09

Group Number: 1662892

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: BTEX 8260B Water
Batch number: Z161412AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8386944	101	100	96	90
8386946	99	98	96	90
8386948	100	98	98	94
8386950	96	95	97	96
Blank	99	100	96	90
LCS	97	98	97	98
LCSD	97	98	98	98
Limits:	80-116	77-113	80-113	78-113

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 16143C20A

	Trifluorotoluene-F
8386933	79
8386934	90
8386936	100
8386938	85
8386940	91
8386942	82
8386944	88
8386946	91
8386948	91
8386950	88
Blank	90
LCS	88
LCSD	88
Limits:	63-135

Analysis Name: NWTPH-Dx water
Batch number: 161420014A

	Orthoterphenyl
8386934	103
8386936	99
8386938	111
8386940	119
8386942	96
8386944	120
8386946	110
8386948	101
8386950	102
Blank	102
LCS	106
LCSD	98
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.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 06/03/2016 13:09

Group Number: 1662892

Surrogate Quality Control (continued)

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

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 161420015A

	Orthoterphenyl
8386934	66
8386936	74
8386942	83
8386948	78
8386950	93
Blank	87
LCS	92
LCSD	89

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.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Chevron Northwest Region Analysis Request/Chain of Custody



**Lancaster
Laboratories**

Acct. # 11260

For Eurofins Lancaster Laboratories use only
Group # 1662892 Sample # 8386933-51

Instructions on reverse side correspond with circled numbers.

1 Client Information				4 Matrix			5 Analyses Requested										6 Remarks					
Facility # SS#211556-OML G-R#386773 WBS Site Address 101 Mulford Road, TOLEDO, WA Chevron PM MHO 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 GM				<input type="checkbox"/> Precipitant <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air			Total Number of Containers <input type="checkbox"/> BTEX <input checked="" type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Naphth 8260 full scan Oxygenates NWTPH-Gx NWTPH-Dx with Silica Gel Cleanup NWTPH-Dx without Silica Gel Cleanup WA VPH Lead Total Diss. Method ICP/MS										SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits					
2 Sample Identification		3 Collected		Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	Lead	Total	Diss.	Method	6 Remarks	
Date	Time	Grab	Composite																		Soil	Water
QA	5/13/16	-		X			W		2	X												Please report results for Dx with & without sgc. Dissolved Lead, samples have been filtered . TO BE FILTERED Please forward lab results directly to the LC and cc: G-R. The TPW sample results should be forwarded directly to Deanna Harding
MW-109	14	0950						9					X	X								
MW-111	13	1145											X									
MW-112	13	0955																				
MW-113	13	1050																				
MW-114	14	1054											X									
B-1		0553																				
B-2		0700																				
B-3		0758												X								
B-4		0850																				
7 Turnaround Time Requested (TAT) (please circle) Standard 5 day 4 day EDF/EDD 72 hour 48 hour 24 hour				Relinquished by <i>[Signature]</i> Date <u>5/17/16</u> Time <u>13:20</u>		Relinquished by <i>[Signature]</i> Date <u>5/17/16</u> Time _____		Received by <i>[Signature]</i> Date <u>5/17/16</u> Time <u>13:20</u>		Received by _____ Date _____ Time _____		Relinquished by Commercial Carrier: UPS <input checked="" type="checkbox"/> FedEx _____ Other _____		Received by <i>[Signature]</i> Date <u>5-18-16</u> Time <u>1000</u>		Temperature Upon Receipt <u>14.3.0</u> °C		Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				

Client: Chevron

Delivery and Receipt Information

Delivery Method: UPS Arrival Timestamp: 05/18/2016 10:00
 Number of Packages: 5 Number of Projects: 1

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 \geq 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 Timothy Cubberley (6520) at 11:41 on 05/18/2016

Samples Chilled Details

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

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	3.0	DT	Wet	Y	Bagged	N
2	DT131	1.6	DT	Wet	Y	Bagged	N
3	DT131	2.4	DT	Wet	Y	Bagged	N
4	DT131	2.5	DT	Wet	Y	Bagged	N
5	DT131	1.4	DT	Wet	Y	Bagged	N

Explanation of Symbols and Abbreviations

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

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter
<	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.		

Laboratory Data Qualifiers:

- B - Analyte detected in the blank
- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value \geq 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.
- 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...

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.

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.

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.

ANALYTICAL RESULTS

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: May 31, 2016

Project: 211556

Submittal Date: 05/18/2016
Group Number: 1662894
PO Number: 0015201727
Release Number: HORNE
State of Sample Origin: WA

Client Sample Description

QA NA Water
TPWHD-1 Grab Groundwater
TPWHD-1 Filtered Grab Groundwater

Lancaster Labs

(LL) #

8386959
8386960
8386961

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

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

Electronic Copy To Leidos
Electronic Copy To Leidos
Electronic Copy To Gettler-Ryan Inc.

Attn: Russ Shropshire
Attn: Jamalyn Agyei
Attn: Gettler Ryan

Respectfully Submitted,



Amek Carter
Specialist

(717) 556-7252

Sample Description: QA NA Water
Facility# 211556 Job# 386773
101 Mulford Rd - Toledo, WA

LL Sample # WW 8386959
LL Group # 1662894
Account # 11260

Project Name: 211556

Collected: 05/14/2016

Chevron

6001 Bollinger Canyon Road

Submitted: 05/18/2016 10:00

L4310

Reported: 05/31/2016 15:54

San Ramon CA 94583

QAMRT

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1

Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX 8260B Water	SW-846 8260B	1	Z161412AA	05/20/2016 19:36	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z161412AA	05/20/2016 19:36	Hu Yang	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16143C20A	05/23/2016 19:10	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	16143C20A	05/23/2016 19:10	Brett W Kenyon	1

Sample Description: TPWHD-1 Grab Groundwater
Facility# 211556 Job# 386773
101 Mulford Rd - Toledo, WA

LL Sample # WW 8386960
LL Group # 1662894
Account # 11260

Project Name: 211556

Collected: 05/14/2016 11:20 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 05/18/2016 10:00

L4310

Reported: 05/31/2016 15:54

San Ramon CA 94583

MTTP1

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles		ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	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.	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.	N.D.	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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX 8260B Water	SW-846 8260B	1	Z161412AA	05/20/2016 22:47	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z161412AA	05/20/2016 22:47	Hu Yang	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	16143C20A	05/24/2016 01:11	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	16143C20A	05/24/2016 01:11	Brett W Kenyon	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	161420014A	05/24/2016 02:27	Heather E Williams	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	161420015A	05/25/2016 17:17	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	161420015A	05/23/2016 09:00	Bradley W VanLeuven	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	161420014A	05/23/2016 09:00	Bradley W VanLeuven	1

Sample Description: TPWHD-1 Filtered Grab Groundwater
 Facility# 211556 Job# 386773
 101 Mulford Rd - Toledo, WA

LL Sample # WW 8386961
 LL Group # 1662894
 Account # 11260

Project Name: 211556

Collected: 05/14/2016 11:20 by GM

Chevron

6001 Bollinger Canyon Road

Submitted: 05/18/2016 10:00

L4310

Reported: 05/31/2016 15:54

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
Metals Dissolved					
06035	Lead	SW-846 6020 7439-92-1	ug/l N.D.	ug/l 0.13	1

Sample Comments

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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035	Lead	SW-846 6020	1	161476050001A	05/31/2016 11:41	Choon Y Tian	1
06050	ICPMS-Water, 3020A - U3	SW-846 3020A	1	161476050001	05/27/2016 05:35	Lisa J Cooke	1

Quality Control Summary

Client Name: Chevron
Reported: 05/31/2016 15:54

Group Number: 1662894

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: Z161412AA	Sample number(s): 8386959-8386960	
Benzene	N.D.	0.5
Ethylbenzene	N.D.	0.5
Toluene	N.D.	0.5
Xylene (Total)	N.D.	0.5
Batch number: 16143C20A	Sample number(s): 8386959-8386960	
NWTPH-Gx water C7-C12	N.D.	50
Batch number: 161420014A	Sample number(s): 8386960	
Diesel Range Organics C12-C24	N.D.	30
Heavy Range Organics C24-C40	N.D.	70
Batch number: 161420015A	Sample number(s): 8386960	
DRO C12-C24 w/Si Gel	N.D.	30
HRO C24-C40 w/Si Gel	N.D.	70
Batch number: 161476050001A	Sample number(s): 8386961	
Lead	N.D.	0.13

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: Z161412AA	Sample number(s): 8386959-8386960								
Benzene	20	18.45	20	18.76	92	94	78-120	2	30
Ethylbenzene	20	18.31	20	18.35	92	92	78-120	0	30
Toluene	20	19.17	20	19.16	96	96	80-120	0	30
Xylene (Total)	60	56.56	60	57.11	94	95	80-120	1	30
	ug/l	ug/l	ug/l	ug/l					
Batch number: 16143C20A	Sample number(s): 8386959-8386960								
NWTPH-Gx water C7-C12	1100	1043.79	1100	1034.73	95	94	79-120	1	30
	ug/l	ug/l	ug/l	ug/l					
Batch number: 161420014A	Sample number(s): 8386960								
Diesel Range Organics C12-C24	1600	1161.27	1600	1115.32	73	70	50-113	4	20
	ug/l	ug/l	ug/l	ug/l					
Batch number: 161420015A	Sample number(s): 8386960								

*- 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.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 05/31/2016 15:54

Group Number: 1662894

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
DRO C12-C24 w/Si Gel	1600	976.15	1600	946.04	61	59	32-117	3	20
Batch number: 161476050001A	Sample number(s): 8386961								
Lead	15	14.62			97		80-120		

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: 161476050001A	Sample number(s): 8386961 UNSPK: P386360									
Lead	N.D.	15	14.91	15	15.24	99	102	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: 161476050001A	Sample number(s): 8386961 BKG: P386360			
Lead	N.D.	N.D.	0 (1)	20

Surrogate Quality Control

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

Analysis Name: BTEX 8260B Water
Batch number: Z161412AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8386959	100	98	96	89
8386960	100	99	95	89
Blank	99	100	96	90
LCS	97	98	97	98
LCSD	97	98	98	98
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

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P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 05/31/2016 15:54

Group Number: 1662894

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: 16143C20A

Trifluorotoluene-F	
8386959	90
8386960	90
Blank	90
LCS	88
LCSD	88

Limits: 63-135

Analysis Name: NWTPH-Dx water
Batch number: 161420014A

Orthoterphenyl	
8386960	104
Blank	102
LCS	106
LCSD	98

Limits: 50-150

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 161420015A

Orthoterphenyl	
8386960	83
Blank	87
LCS	92
LCSD	89

Limits: 50-150

*- Outside of specification

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

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # 11260

For Eurofins Lancaster Laboratories use only
 Group # 1662894 Sample # 8386959-61

Instructions on reverse side correspond with circled numbers.

1 Client Information				4 Matrix			5 Analyses Requested										6 Remarks								
Facility # SS#211556-OML G-R#386773 WBS Site Address 101 Mulford Road, TOLEDO, WA Chevron PM MHO 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 GM				<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air			Total Number of Containers <input type="checkbox"/> 8021 <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> BTEX + <input type="checkbox"/> 8260 full scan <input type="checkbox"/> Oxygenates <input type="checkbox"/> NWTPH-Gx <input checked="" type="checkbox"/> NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead <input checked="" type="checkbox"/> Total <input type="checkbox"/> Diss. Method 9020 GC/MS										SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits								
2 Sample Identification		3 Collected		Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX +	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	9			
Date	Time	Date	Time																						
RA TPW HD-1		5/14/16	—	X			3		2	X				X	X									Please report results for Dx with & without sgc. Dissolved Lead, samples have been field filtered. TO BE FILTERED Please forward lab results directly to the LC and cc: G-R. The TPW sample results should be forwarded directly to Deanna Harding	
		↓	1120	↓					9	↓				↓	X	X									
7 Turnaround Time Requested (TAT) (please circle)				Relinquished by		Date		Time		Received by		Date		Time											
Standard <u>5</u> day 72 hour				4 day EDF/EDD		4 day 24 hour		5/17/16		13:20		5/17/16		13:20											
48 hour				Relinquished by		Date		Time		Received by		Date		Time											
				Relinquished by Commercial Carrier:		Date		Time		Received by		Date		Time											
Type I - Full Type VI (Raw Data)				EDD (circle if required) CVX-RTBU-FL_05 (default) Other: _____		UPS <input checked="" type="checkbox"/> FedEx _____ Other _____		Temperature Upon Receipt <u>1.4-3.6</u> °C		Received by _____		Date <u>5-18-16</u>		Time <u>1000</u>											
										Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No															

Client: Chevron

Delivery and Receipt Information

Delivery Method: UPS Arrival Timestamp: 05/18/2016 10:00
 Number of Packages: 5 Number of Projects: 1

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 Timothy Cubberley (6520) at 11:41 on 05/18/2016

Samples Chilled Details

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

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	3.0	DT	Wet	Y	Bagged	N
2	DT131	1.6	DT	Wet	Y	Bagged	N
3	DT131	2.4	DT	Wet	Y	Bagged	N
4	DT131	2.5	DT	Wet	Y	Bagged	N
5	DT131	1.4	DT	Wet	Y	Bagged	N

Explanation of Symbols and Abbreviations

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

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter
<	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.		

Laboratory Data Qualifiers:

- B - Analyte detected in the blank
- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value \geq 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.
- 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...

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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