July 30, 2014

Mr. Eric Roehl
Chevron Environmental Management Company
145 South State College Boulevard, Suite 400
Brea, CA 92821

Subject: **Second Quarter 2014 Groundwater Monitoring and Sampling Report**
Former Unocal Bulk Plant No. 306562
1329 West Woodin Avenue
Chelan, Washington

Dear Mr. Roehl:

Leidos Engineering, LLC (Leidos, formerly SAIC Energy, Environment & Infrastructure, LLC), on behalf of Chevron Environmental Management Company (CEMC), has prepared this letter summarizing groundwater monitoring activities at the Former Unocal Bulk Plant No. 306562. The site is located on the south side of West Woodin Avenue (Highway 97A) near the intersection of East Street in the city of Chelan, Washington. Lake Chelan is located approximately 200 feet to the northwest of the site.

On May 8 and 9, 2014, groundwater measurements were recorded from all monitoring wells and groundwater samples were collected from seven of the monitoring wells. A potentiometric map is presented in Figure 1. Field data sheets are included as Attachment A, and analytical data are presented in Table 1, Figure2, and Attachment B. Monitoring and sampling activities were performed by Gettler-Ryan, Inc.

Groundwater flow direction is to the west and northwest at a gradient of 0.001 to 0.06 ft/ft. Groundwater elevations and flow direction are directly tied to water elevation fluctuations in Lake Chelan, and groundwater elevations have increased an average of 3.5 feet since the previous sampling event. Groundwater levels at the site are directly influenced by the elevation of Lake Chelan, which is controlled by a dam located on the east end of the lake. The lake level is lowered in fall and raised in the spring each year.

None of the analytes tested for were detected in groundwater at concentrations above their respective Model Toxics Control Act (MTCA) Method A cleanup levels during the May 2014 sampling event.

Historically, diesel- and heavy oil-range hydrocarbon concentrations have exceeded their respective MTCA Method A cleanup levels in monitoring wells MW-1A, MW-3A, MW-5A, and MW-8. However, dissolved-phase hydrocarbon concentrations across the entire property have steadily declined since the completion of remedial activities in 2005.

Since August 2011, only diesel-range hydrocarbons have been detected intermittently at concentrations above the MTCA Method A cleanup level in monitoring wells MW-3A and MW-5A. Seasonal fluctuations in diesel-range hydrocarbon concentrations are observed with fluctuations in groundwater elevation. The next groundwater monitoring and sampling event is scheduled for August 2014.

Please contact Don Wyll, the Leidos project manager, at (425) 482-3315 or don.e.wyll@leidos.com if you have any questions or comments about the information provided herein.

Sincerely,

Leidos Engineering, LLC

Kinga B Kozlowska
Environmental Scientist

Enclosures:
Figure 1 – Potentiometric Map
Figure 2 – Groundwater Analytical Results
Table 1 – Groundwater Monitoring Data and Analytical Results
Attachment A – Groundwater Sample Collection Data Forms
Attachment B – Laboratory Analysis Report

cc: Mr. Jack Raines – Chelan Parking LLC
P.O. Box 237, Chelan, WA 98816

REPORT LIMITATIONS

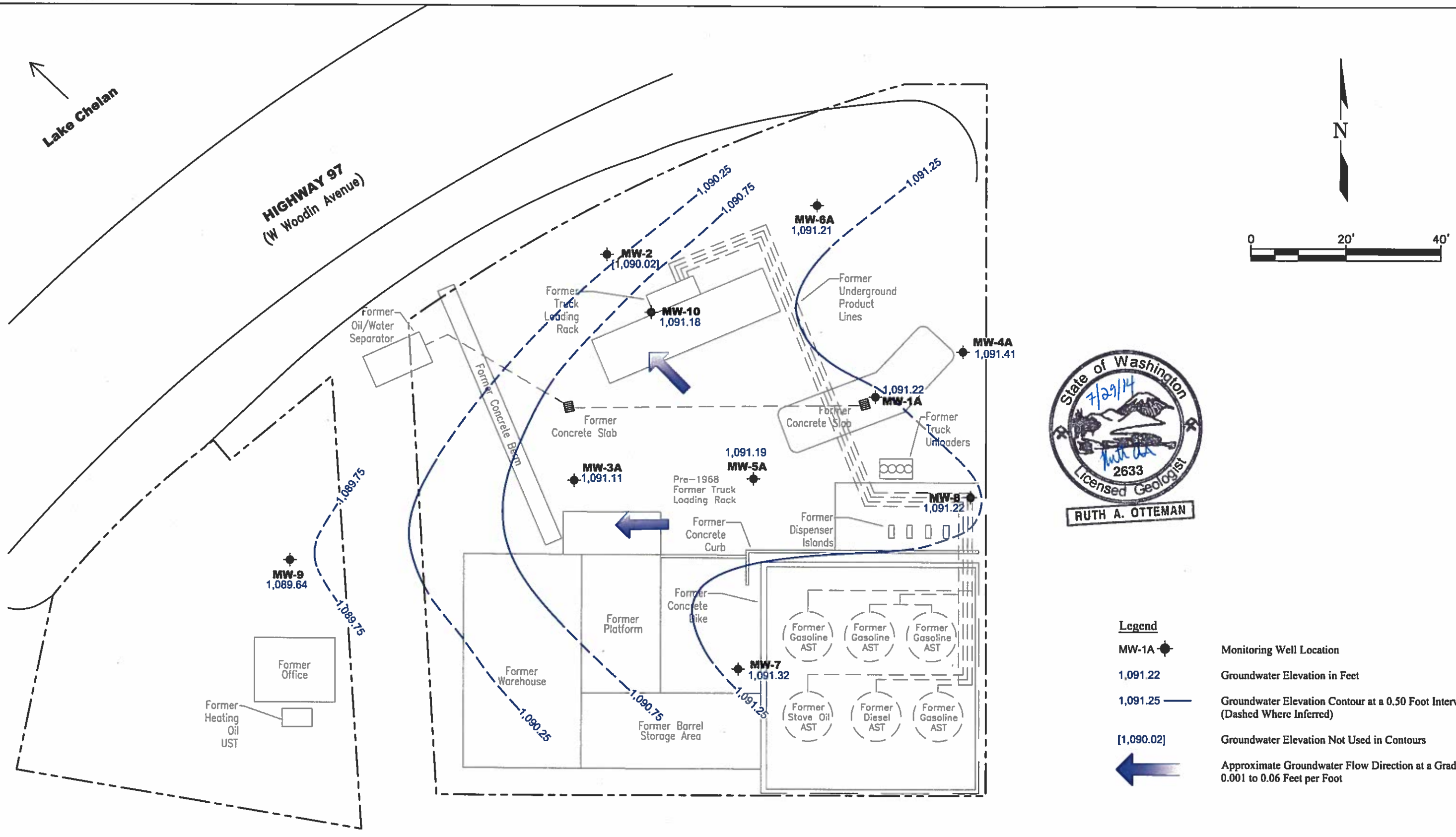
This technical document was prepared on behalf of CEMC and is intended for its sole use and for use by the local, state, or federal regulatory agency that the technical document was sent to by Leidos. Any other person or entity obtaining, using, or relying on this technical document hereby acknowledges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

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

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

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

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



State of Washington
7/29/14
2633
Licensed Geologist
RUTH A. OTTEMAN

Legend

MW-1A ⊕	Monitoring Well Location
1,091.22	Groundwater Elevation in Feet
1,091.25 ——	Groundwater Elevation Contour at a 0.50 Foot Interval (Dashed Where Inferred)
[1,090.02]	Groundwater Elevation Not Used in Contours
◀	Approximate Groundwater Flow Direction at a Gradient of 0.001 to 0.06 Feet per Foot

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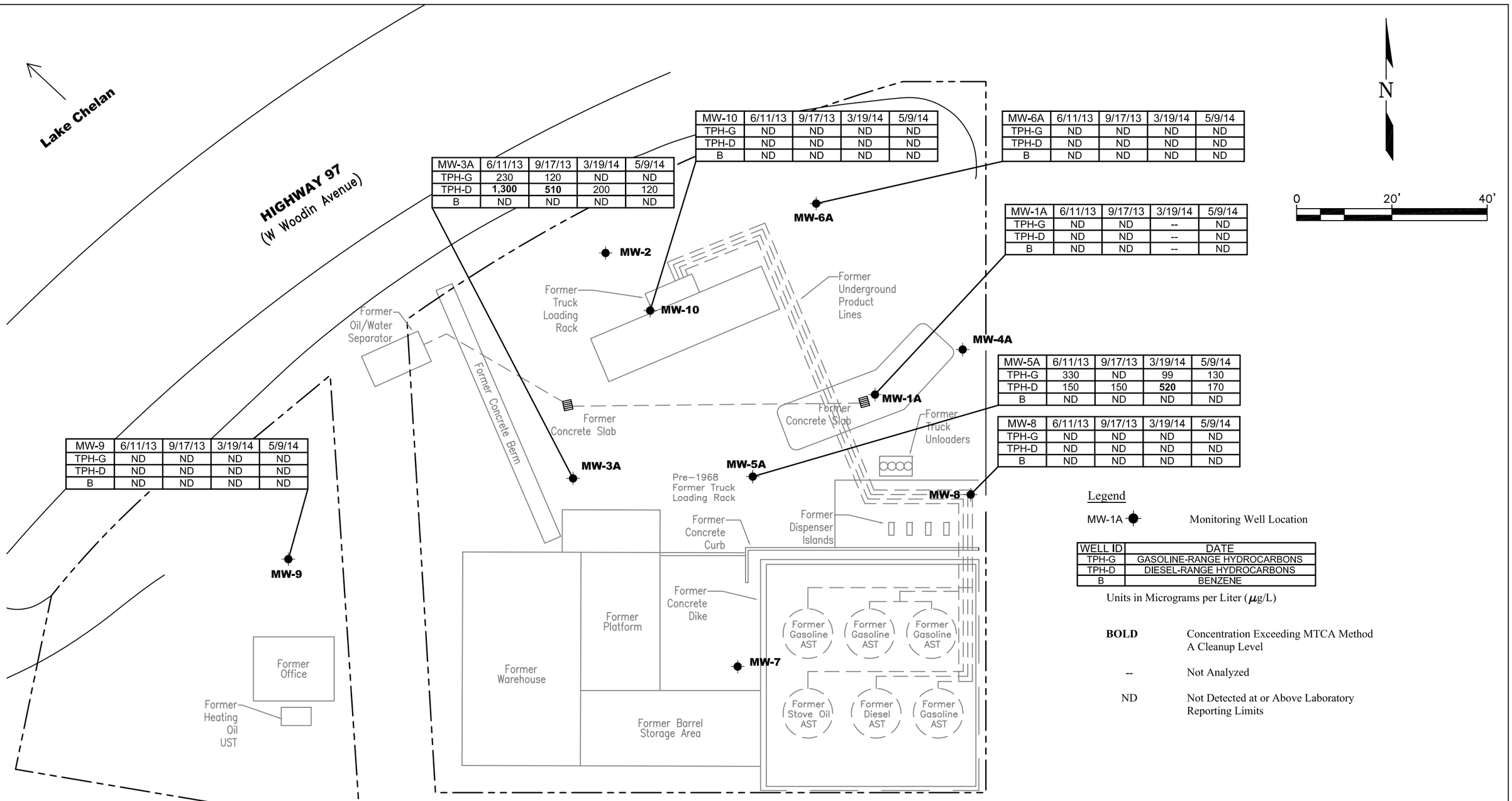
Former Unocal Bulk Plant No. 306562
1329 West Woodin Avenue
Chelan, Washington

FIGURE 1
Potentiometric Map
May 8, 2014

DATE: 7/28/2014

FILE NAME: 306562 Site Map 2012.dwg



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Former Unocal Bulk Plant No. 306562
1329 West Woodin Avenue
Chelan, Washington

FIGURE 2
Groundwater Analytical Results
May 8, 2014

DATE: 6/18/2014

FILE NAME: 306562 Site Map 2012.dwg

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS [1]
FORMER UNOCAL BULK PLANT NO. 306562
1329 West Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC[2] (ft.)	DTW (ft. BTOC)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Lead
MW-1												
12/4/89	--	--	--	--	--	**3,800**	--	**270**	150	94	700	--
4/9/91	--	--	--	--	<1,000	--	**2,800**	**280**	50	41	270	10
8/27/91	--	--	--	--	**15,000**	**5,300**	**3,000**	**84**	8.3	6.8	57	12
11/23/91	--	--	--	--	**19,000**	**14,000**	**12,000**	**250**	71	43	350	**59**
2/20/92	--	DRY	--	--	--	--	--	--	--	--	--	--
5/21/92	--	--	--	--	**9,900**	**25,000**	**1,200**	1.2	<0.5	0.57	4.3	**19**
8/19/92	--	--	--	--	**16,000**	--	570	**28**	5.0	4.7	24	**17**
11/12/92	--	--	--	--	**12,000**	--	**1,600**	**75**	53	19	150	--
2/25/93	--	DRY	--	--	--	--	--	--	--	--	--	--
8/24/93	--	--	--	--	**18,000**	<3,800	240	**15**	1.6	2.2	9.1	--
7/8/94	--	--	--	--	**3,200**	**930**	<50	0.88	<0.5	<0.5	<1	6.4
1/4/95	--	--	--	--	**2,000**	**1,900**	73	**27**	0.83	2.4	4.9	7.1
6/29/95	--	--	--	--	**5,600**	**2,000**	<50	0.69	<0.5	<0.5	<1	5.5
12/29/95	--	--	--	--	**21,000**	**6,800**	200	**28**	4.4	1.2	33	6.2
6/19/96	--	--	--	--	**15,500**	**1,020**	411	**13.7**	<0.5	<0.5	2.29	4.1
12/13/96	--	--	--	--	**1,910**	<750	**1,290**	**55**	9.2	15.8	112	<10
7/1/97	--	--	--	--	**1,200**	<750	94.8	**5.4**	<0.5	<0.5	1	2.9
12/30/97	--	--	--	--	**4,800**	<750	**10,490**	**33.6**	<25	<25	124	7.4
6/12/98	--	--	--	--	<250	<750	<50	1.29	<0.5	<0.5	<1	4.6
12/7/98	--	--	--	--	**792**	<750	**841**	**34.4**	7.21	15.8	115	4.7
6/21/99	--	--	--	--	<250	<750	<50	1.31	0.1	<0.5	1.09	2.6
5/25/01	--	--	--	--	**889**	<500	117	0.67	<0.5	<0.5	1.24	--
8/9/01	--	--	--	--	**2,370**	<500	114	1.89	<0.5	1.67	7.70	--
11/13/01	--	--	--	--	435	<500	616	<0.5	<0.5	<0.5	<1	--
1/30/02	--	--	--	--	**1,820**	<500	168	<0.5	<0.5	<0.5	<1	--
1/23/04	1,112.38	21.24	--	1,091.14	**952**	<500	54.3	<0.5	<0.5	<0.5	<1	--
4/12/04	1,112.38	25.83	--	1,086.55	**756**	<500	298	<0.5	<0.5	<0.5	<1	--
4/30/05	Decommissioned											
5/25/05	1,112.09	14.60	--	1,097.49	**13,700**	<2,500	79.6	<0.5	<0.5	<0.5	<1	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS [1]
FORMER UNOCAL BULK PLANT NO. 306562
1329 West Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC[2] (ft.)	DTW (ft. BTOC)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Lead
MW-1A												
7/6/05	1,115.76	14.20	--	1,101.56	**870**	<500	<50	<0.5	<0.5	<0.5	<1	--
8/23/05[4]	1,115.76	--	--	--	**1,980**	<500	<50	<0.5	<0.5	<0.5	<1	--
8/30/05	1,115.76	--	--	--	**16,900**	<500	69.2	<0.5	<0.5	<0.5	<1	--
11/16/05	1,115.76	19.28	--	1,096.48	<245	<490	<50	<0.5	<0.5	<0.5	<1	--
4/5/06	1,115.76	DRY	--	--	--	--	--	--	--	--	--	--
7/25/06	1,115.76	14.07	--	1,101.69	<250	<500	<100	<0.5	<2	<1	<1.5	--
3/22/07	1,115.76	23.87	--	1,091.89	**6,900**	**2,500**[5]	<48	<0.5	<0.5	<0.5	<1.5	--
8/9/07	1,115.76	14.18	--	1,101.58	**5,700**	**1,500**	<50	<0.5	<0.5	<0.5	<1.5	--
11/13/07	1,115.76	19.92	--	1,095.84	**7,000**	**970**[5]	<50	<0.5	<0.5	<0.5	<1.5	--
3/8/08	1,115.76	DRY	--	--	--	--	--	--	--	--	--	--
5/23/08	1,115.76	26.18	--	1,089.58	**2,400**	**540**[5]	<50	<0.5	<0.5	<0.5	<1.5	--
8/22/08	1,115.76	14.24	--	1,101.52	**3,100**	320[5]	<50	<0.5	<0.5	<0.5	<1.5	--
2/11/09	1,115.76	24.58	--	1,091.18	**3,100**	**1,200**[5]	<50	<0.5	<0.5	<0.5	<1.5	--
4/12/10	1,115.76	23.80	--	1,091.96	**1,400**	<700	<50	<0.5	<0.5	<0.5	<1.5	--
10/14/10	1,115.76	17.02	--	1,098.74	**2,400**	**1,500**	<50	<0.5	<0.5	<0.5	<1.5	--
4/12/11	1,115.76	28.81	--	1,086.95	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--
10/11/11	1,115.76	17.1	--	1,098.66	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--
5/23/12	1,115.76	22.4	--	1,093.36	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	--
8/23/12	1,115.76	14.30	--	1,101.46	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	--
11/29/12	1,115.76	19.52	--	1,096.24	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	--
3/13/13	1,115.76	27.28	--	1,088.48	<150	<350	<50	<0.5	<0.5	<0.5	<1.5	--
6/11/13	1,115.76	17.38	--	1,098.38	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--
9/17/13	1,115.76	14.95	--	1,100.81	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--
3/19/14	1,115.76	28.77	--	1,086.99	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--
5/9/14	1,115.76	24.54	--	1,091.22	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--

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MW-2												
12/4/89	--	--	--	--	--	230	--	<0.5	<0.5	<0.5	<0.5	--
4/9/91	--	--	--	--	<1,000	--	<1,000	<0.5	<0.5	<0.5	<0.5	9
8/27/91	--	--	--	--	<1,000	<1,000	<1,000	<0.5	<0.5	<0.5	<0.5	<2
11/23/91	--	--	--	--	<1,000	<1,000	<1,000	<0.5	<0.5	<0.5	<0.5	<3
2/20/92	--	DRY	--	--	--	--	--	--	--	--	--	--
5/21/92	--	--	--	--	<500	<1,000	<50	<0.5	<0.5	<0.5	<0.5	3.3
8/19/92	--	--	--	--	--	--	--	--	--	--	--	--
11/12/92	--	--	--	--	**1,000**	--	<100	<0.5	<0.5	<0.5	<0.5	--
2/25/93	--	DRY	--	--	--	--	--	--	--	--	--	--
8/24/93	--	--	--	--	<250	<750	<100	<0.5	<0.5	<0.5	<0.5	--
7/8/94	--	--	--	--	<250	<750	<50	<0.5	<0.5	<0.5	<1	--
1/4/95	--	--	--	--	340	720	<50	<0.5	<0.5	<0.5	<1	--
6/29/95	--	--	--	--	<250	<750	<50	<0.5	<0.5	<0.5	<1	--
12/29/95	--	--	--	--	**2,000**	**1,400**	<50	<0.5	<0.5	<0.5	<1	--
6/19/96	--	--	--	--	**518**	<750	<50	<0.5	<0.5	<0.5	<1	--
12/13/96	--	--	--	--	<250	<750	<50	<0.5	<0.5	<0.5	<1	--
7/1/97	--	--	--	--	<250	<750	<50	<0.5	<0.5	<0.5	<1	--
12/30/97	--	--	--	--	287	<750	--	--	--	--	--	--
6/12/98	--	--	--	--	<250	<750	<50	--	--	--	--	--
12/7/98	--	--	--	--	<250	<750	--	--	--	--	--	--
6/21/99	--	--	--	--	<250	<750	--	--	--	--	--	--
5/25/01	--	--	--	--	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
8/9/01	--	--	--	--	<301	<602	<50	<0.5	<0.5	<0.5	<1	--
11/13/01	--	--	--	--	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
1/30/02	--	--	--	--	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
1/23/04	1,115.41	20.62	--	1,094.79	<250	<500	<50	<0.5	<0.5	<0.5	<1	--

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Well ID/ Date	TOC[2] (ft.)	DTW (ft. BTOC)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Lead
MW-2 (cont)												
4/12/04	1,115.41	DRY	--	--	--	--	--	--	--	--	--	--
5/25/05	1,115.41	14.20	--	1,101.21	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
8/30/05	1,115.41	--	--	--	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
11/16/05	1,115.41	18.92	--	1,096.49	<248	<495	<50	<0.5	<0.5	<0.5	<1	--
4/5/06	1,115.41	DRY	--	--	--	--	--	--	--	--	--	--
7/25/06	1,115.41	13.69	--	1,101.72	<250	<500	<100	<0.5	<2	<1	<1.5	--
5/23/12	1,115.41	22.15	--	1,093.26	--	--	--	--	--	--	--	--
8/23/12	1,115.41	13.94	--	1,101.47	--	--	--	--	--	--	--	--
11/29/12	1,115.41	19.17	--	1,096.24	--	--	--	--	--	--	--	--
3/13/13	1,115.41	DRY	--	--	--	--	--	--	--	--	--	--
6/10/13	1,115.41	17.03	--	1,098.38	--	--	--	--	--	--	--	--
9/17/13	1,115.41	14.61	--	1,100.80	--	--	--	--	--	--	--	--
3/19/14	1,115.41	DRY	--	--	--	--	--	--	--	--	--	--
5/8/14	1,115.41	25.39	--	1,090.02	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--
MW-3												
12/4/89	--	--	--	--	--	**9,300**	--	<0.5	<0.5	<0.5	<0.5	--
4/9/91	--	--	--	--	<1,000	--	<1,000	3.9	<0.5	<0.5	1.6	12
8/27/91	--	--	--	--	<1,000	<1,000	<1,000	<0.5	<0.5	<0.5	<0.5	<2
11/23/91	--	--	--	--	<1,000	<1,000	<1,000	1.2	<0.5	<0.5	<0.5	<3
2/20/92	--	--	--	--	**12,000**	**6,600**	<1,000	<0.5	<0.5	<0.5	<0.5	<3
5/21/92	--	--	--	--	**3,500**	**9,000**	100	1.0	<0.5	<0.5	<1	2.9
8/19/92	--	--	--	--	**1,800**	--	<50	4.4	<0.5	<0.5	<0.5	<2
11/12/92	--	--	--	--	**1,800**	--	<100	<0.5	<0.5	<0.5	<0.5	--
2/25/93	--	--	--	--	**2,600**	--	<100	1.4	<0.5	<0.5	<0.5	--
8/24/93	--	--	--	--	**1,000**	<750	<100	1.6	<0.5	<0.5	<1	--
7/8/94	--	--	--	--	**2,000**	**1,200**	<50	0.95	<0.5	<0.5	<1	--

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Well ID/ Date	TOC[2] (ft.)	DTW (ft. BTOC)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Lead
MW-3 (cont)												
1/4/95	--	--	--	--	**11,000**	**2,400**	59.0	2.8	<0.5	<0.5	<1	--
6/29/95	--	--	--	--	**2,300**	**1,700**	<50	<0.5	<0.5	<0.5	<1	--
12/29/95	--	--	--	--	**5,100**	**2,900**	<50	<0.5	<0.5	<0.5	<1	--
6/19/96	--	--	--	--	**4,790**	**1,940**	<50	<0.5	<0.5	<0.5	<1	--
12/13/96	--	--	--	--	<250	<750	<50	<0.5	<0.5	<0.5	<1	--
7/1/97	--	--	--	--	<250	<750	<50	<0.5	<0.5	<0.5	<1	--
12/30/97	--	--	--	--	280	<750	--	--	--	<0.5	--	--
6/12/98	--	--	--	--	<250	<750	--	--	--	--	--	--
12/7/98	--	--	--	--	<250	<750	--	--	--	--	--	--
6/21/99	--	--	--	--	<250	<750	--	--	--	--	--	--
5/25/01	--	--	--	--	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
8/9/01	--	--	--	--	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
11/13/01	--	--	--	--	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
1/30/02	--	--	--	--	379	<500	55	1.35	<0.5	<0.5	<1	--
1/23/04	1,112.15	20.99	--	1,091.16	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
4/12/04	1,112.15	25.57	--	1,086.58	<250	<500	70.8	<0.5	<0.5	<0.5	<1	--
4/30/05	Decommissioned											
MW-3A												
5/25/05	1,115.15	13.98	--	1,101.17	NOT SAMPLED DUE TO TURBIDITY							
7/6/05	1,115.15	13.57	--	1,101.58	473	<500	150	<0.5	<0.5	<0.5	<1	--
8/23/05[4]	1,115.15	--	--	--	**620**	<500	256	<0.5	0.772	<0.5	<1	--
8/30/05	1,115.15	--	--	--	**566**	<500	299	<0.5	<0.5	0.741	<1	--
11/16/05	1,115.15	18.66	--	1,096.49	319	<485	166	<0.5	<0.5	0.741	<1	--
4/5/06	1,115.15	DRY	--	--	--	--	--	--	--	--	--	--
7/25/06	1,115.15	13.43	--	1,101.72	**2,290**	<500	153	<0.5	<2	<1	<1.5	--
3/22/07	1,115.15	23.30	--	1,091.85	**14,000**	**3,100**[5]	93[5]	<0.5	<0.5	<0.5	<1.5	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS [1]
FORMER UNOCAL BULK PLANT NO. 306562
1329 West Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC[2] (ft.)	DTW (ft. BTOC)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Lead
MW-3A (cont)												
8/9/07	1,115.15	13.55	--	1,101.60	**9,300**	**3,400[5]**	52[5]	<0.5	<0.5	<0.5	1.7[5]	--
11/13/07	1,115.15	19.30	--	1,095.85	**7,400**	**2,000[5]**	<50	<0.5	<0.5	<0.5	<1.5	--
3/8/08	1,115.15	29.38	--	1,085.77	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--
5/23/08	1,115.15	25.78	--	1,089.37	**11,000**	**1,800[5]**	130[5]	<0.5	<0.5	<0.5	<1.5	--
8/22/08	1,115.15	13.62	--	1,101.53	**7,700**	<1,000	150[5]	<0.5	<0.5	<0.5	<1.5	--
2/11/09	1,115.15	23.92	--	1,091.23	**7,800**	**3,100[5]**	66[5]	<0.5	<0.5	<0.5	<1.5	--
4/12/10	1,115.15	23.18	--	1,091.97	**3,900**	**1,300**	<50	<0.5	<0.5	<0.5	<1.5	--
10/14/10	1,115.15	16.41	--	1,098.74	**3,900**	**1,600**	<50	<0.5	<0.5	<0.5	<1.5	--
4/12/11	1,115.15	28.45	--	1,086.70	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
10/11/11	1,115.15	16.45	--	1,098.70	72	<70	<50	<0.5	<0.5	<0.5	<1.5	--
5/23/12	1,115.15	21.90	--	1,093.25	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	--
8/23/12	1,115.15	13.70	--	1,101.45	**1,500**	<69	260	<0.5	<0.5	<0.5	<1.5	--
11/29/12	1,115.15	18.92	--	1,096.23	84	<70	<50	<0.5	<0.5	<0.5	<1.5	--
3/13/13	1,115.15	26.65	--	1,088.50	370	<71	<50	<0.5	<0.5	<0.5	<1.5	--
6/11/13	1,115.15	16.74	--	1,098.41	**1,300**	<76	230	<0.5	<0.5	<0.5	<1.5	--
9/17/13	1,115.15	14.73	--	1,100.42	**510**	<72	120	<0.5	<0.5	<0.5	<1.5	--
3/19/14	1,115.15	27.34	--	1,087.81	200	<72	<50	<0.5	<0.5	<0.5	<1.5	--
5/9/14	1,115.15	24.04	--	1,091.11	120	<70	<50	<0.5	<0.5	<0.5	<1.5	--
MW-4												
4/9/91	--	--	--	--	<1,000	--	<1,000	<0.5	<0.5	<0.5	<0.5	**45**
8/27/91	--	--	--	--	<1,000	<1,000	<1,000	<0.5	<0.5	<0.5	<0.5	**15**
11/23/91	--	--	--	--	<1,000	<1,000	<1,000	<0.5	<0.5	<0.5	<0.5	**15**
2/20/92	--	--	--	--	--	--	--					--
5/21/92	--	--	--	--	**600**	**2,100**	<50	<0.5	<0.5	<0.5	<0.5	**41**
8/19/92	--	--	--	--	--	--	--	--	--	--	--	--
11/12/92	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS [1]
FORMER UNOCAL BULK PLANT NO. 306562
1329 West Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC[2] (ft.)	DTW (ft. BTOC)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Lead
MW-4 (cont)												
2/25/93	--	--	--	--	--	--	--					--
8/24/93	--	--	--	--	280	<750	<100	<0.5	<0.5	<0.5	<0.5	--
7/8/94	--	--	--	--	**630**	**910**	<50	<0.5	<0.5	<0.5	<1	2.9
1/4/95	--	--	--	--	**750**	**880**	<50	<0.5	<0.5	<0.5	<1	6.4
6/29/95	--	--	--	--	490	**1,500**	<50	<0.5	<0.5	<0.5	<1	2.2
12/29/95	--	--	--	--	**1,700**	**1,400**	<50	<0.5	<0.5	<0.5	<1	6.3
6/19/96	--	--	--	--	**2,530**	**1,840**	<50	<0.5	<0.5	<0.5	<1	5.7
12/13/96	--	--	--	--	<250	<750	<50	<0.5	<0.5	<0.5	<1	<10
7/1/97	--	--	--	--	<250	<750	<50	<0.5	<0.5	<0.5	<1	4.2
12/30/97	--	--	--	--	<250	<750	--	--	--	--	--	3.2
6/12/98	--	--	--	--	<250	<750	--	--	--	--	--	2.4
12/7/98	--	--	--	--	<250	<750	--	--	--	--	--	2.4
6/21/99	--	--	--	--	<250	<750	--	--	--	--	--	--
5/25/01	--	--	--	--	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
8/9/01	--	--	--	--	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
11/13/01	--	--	--	--	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
1/30/02	--	--	--	--	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
1/23/04	1,112.35	21.22	--	1,091.13	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
4/12/04	1,112.35	25.82	--	1,086.53	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
4/30/05	Decommissioned											

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS [1]
FORMER UNOCAL BULK PLANT NO. 306562
1329 West Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC[2] (ft.)	DTW (ft. BTOC)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Lead
MW-4A												
5/25/05	1,115.87	14.68	--	1,101.19	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
7/6/05	1,115.87	14.30	--	1,101.57	--	--	--	--	--	--	--	--
8/23/05[4]	1,115.87	--	--	--	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
8/30/05	1,115.87	--	--	--	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
11/16/05	1,115.87	19.37	--	1,096.50	<243	<485	<50	<0.5	<0.5	<0.5	<1	--
4/5/06	1,115.87	DRY	--	--	--	--	--	--	--	--	--	--
7/25/06	1,115.87	14.17	--	1,101.70	<250	<500	<100	<0.5	<2	<1	<1.5	--
5/23/12	1,115.87	22.55	--	1,093.32	--	--	--	--	--	--	--	--
8/23/12	1,115.87	14.40	--	1,101.47	--	--	--	--	--	--	--	--
11/29/12	1,115.87	19.64	--	1,096.23	--	--	--	--	--	--	--	--
3/13/13	1,115.87	27.31	--	1,088.56	--	--	--	--	--	--	--	--
6/10/13	1,115.87	17.51	--	1,098.36	--	--	--	--	--	--	--	--
9/17/13	1,115.87	15.06	--	1,100.81	--	--	--	--	--	--	--	--
3/19/14	1,115.87	29.47	--	1,086.40	--	--	--	--	--	--	--	--
5/9/14	1,115.87	24.46	--	1,091.41	--	--	--	--	--	--	--	--
MW-5												
4/9/91	--	--	--	--	<1,000	--	**3,200**	**300**	20	78	410	<5
8/27/91	--	--	--	--	**20,000**	**2,500**	**7,000**	**270**	21	38	460	<4
11/23/91	--	--	--	--	**17,000**	**9,400**	**6,000**	**280**	12	100	350	<3
2/20/92	--	--	--	--	**8,000**	**5,200**	**4,000**	**220**	28	120	440	<3
5/21/92	--	--	--	--	**9,900**	**6,800**	**2,500**	**160**	11	170	190	5.3
8/19/92	--	--	--	--	--	--	**2,200**	**130**	6.1	70	180	<2
11/12/92	--	--	--	--	**15,000**	--	**2,100**	**91**	5.8	<0.5	110	--
2/25/93	--	--	--	--	--	--	--	--	--	--	--	--
8/24/93	--	--	--	--	**11,000**	<3,800	**1,500**	**86**	4.1	47	92	--
7/8/94	--	--	--	--	**16,000**	**3,000**	**3,000**	**67**	3.5	43	130	--
1/4/95	--	--	--	--	**13,000**	**2,300**	**1,000**	<0.5	0.91	20	53	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS [1]
FORMER UNOCAL BULK PLANT NO. 306562
1329 West Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC[2] (ft.)	DTW (ft. BTOC)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Lead
MW-5 (cont)												
6/29/95	--	--	--	--	**11,000**	**2,900**	**3,300**	**73**	9.5	110	260	--
12/29/95	--	--	--	--	**23,000**	**8,900**	**1,300**	**70**	2.6	37	47	--
6/19/96	--	--	--	--	**17,500**	**5,540**	**2,200**	**43.1**	3.85	55.7	122	--
12/13/96	--	--	--	--	**853**	<750	**1,130**	**51.8**	2.94	34	65	--
7/1/97	--	--	--	--	**557**	<750	**3,890**	**87.7**	14.4	144	294	--
12/30/97	--	--	--	--	**525**	<750	**1,920**	**62.8**	6.01	55	155	--
6/12/98	--	--	--	--	295	<750	**3,820**	**88.1**	13.4	76.6	400	--
12/7/98	--	--	--	--	388	<750	**1,860**	**77**	8.74	68	260	--
6/21/99	--	--	--	--	468	<750	**1,050**	**31.1**	1.24	<0.5	74.9	--
5/25/01	--	--	--	--	**8,250**	<500	**1,740**	**56.2**	8.18	88.2	221	--
8/9/01	--	--	--	--	**8,600**	**502**	**1,030**	**50.3**	2.69	34.1	71.8	--
11/13/01	--	--	--	--	275	<500	<50	0.72	<0.5	<0.5	1.69	--
1/30/02	--	--	--	--	309	<500	222	**21.5**	0.96	7.66	14.2	--
1/23/04	1,112.20	21.09	--	1,091.11	**513**	<500	235	**2.35**	0.671	1.28	2	--
4/12/04	1,112.20	25.65	--	1,086.55	<250	<500	389	0.79	1.03	1.14	2.19	--
4/30/05	Decommissioned											
MW-5A												
5/25/05	1,115.91	14.74	--	1,101.17	**3,350**	<500	**850**	3.64	<0.5	8.28	7.76	--
7/6/05	1,115.91	14.35	--	1,101.56	**3,740**	<500	**807**	3.41	1.68	13.6	27.9	--
8/23/05[4]	1,115.91	--	--	--	**4,680**	<500	**863**	2.68	12.4	1.17	29.1	--
8/30/05	1,115.91	--	--	--	**16,500**	<500	**941**	1.22	0.904	6.05	10.5	--
11/16/05	1,115.91	19.44	--	1,096.47	**1,960**	<490	**1,300**	<0.5	<0.5	2.59	<1	--
4/5/06	1,115.91	DRY	--	--	--	--	--	--	--	--	--	--
7/25/06	1,115.91	14.20	--	1,101.71	<250	<500	189	0.975	<2	<1	2.49	--
3/22/07	1,115.91	24.05	--	1,091.86	**17,000**	**5,600**[5]	250[5]	<0.5	<0.5	<0.5	<1.5	--
8/9/07	1,115.91	14.32	--	1,101.59	**7,500**	**2,300**[5]	220[5]	<0.5	<0.5	0.9[5]	<1.5	--
11/13/07	1,115.91	20.09	--	1,095.82	**11,000**	**2,500**[5]	600	<0.5	0.6[5]	1.4[5]	2.3[5]	--
3/8/08	1,115.91	29.27	--	1,086.64	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--
5/23/08	1,115.91	26.43	--	1,089.48	**5,900**	<2,000	190[5]	<0.5	<0.5	0.6[5]	<1.5	--

TABLE 1
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FORMER UNOCAL BULK PLANT NO. 306562
1329 West Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC[2] (ft.)	DTW (ft. BTOC)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Lead
MW-5A (cont)												
8/22/08	1,115.91	14.40	--	1,101.51	**6,900**	**1,400**[5]	290	0.5[5]	1.1[5]	0.8[5]	1.6[5]	--
2/11/09	1,115.91	24.75	--	1,091.16	**13,000**	**4,900**	170[5]	<0.5	<0.5	0.6[5]	<1.5	--
4/12/10	1,115.91	23.97	--	1,091.94	**9,900**	**2,300**	240	<0.5	<0.5	0.5	<1.5	--
10/14/10	1,115.91	17.17	--	1,098.74	**12,000**	**4,100**	330	<0.5	<0.5	<0.5	<1.5	--
4/12/11	1,115.91	29.24	--	1,086.67	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--
10/11/11	1,115.91	17.25	--	1,098.66	120	<71	<50	<0.5	<0.5	<0.5	<1.5	--
5/23/12	1,115.91	22.60	--	1,093.31	36	<74	170	<0.5	<0.5	1.1	2.3	--
8/23/12	1,115.91	14.45	--	1,101.46	140	<69	72	<0.5	<0.5	<0.5	<1.5	--
11/29/12	1,115.91	19.68	--	1,096.23	370	<72	140	<0.5	<0.5	0.6	<1.5	--
3/13/13	1,115.91	27.44	--	1,088.47	**870**	<70	100	<0.5	<0.5	<0.5	<1.5	--
6/11/13	1,115.91	17.46	--	1,098.45	150	<70	330	<0.5	<0.5	3.6	2.2	--
9/17/13	1,115.91	15.13	--	1,100.78	150	<70	<50	<0.5	<0.5	<0.5	<1.5	--
3/19/14	1,115.91	27.78	--	1,088.13	**520**	<68	99	<0.5	<0.5	<0.5	<1.5	--
5/9/14	1,115.91	24.72	--	1,091.19	170	<69	130	<0.5	<0.5	<0.5	<1.5	--
MW-6												
4/9/91	--	--	--	--	<1,000	--	<1,000	<0.5	<0.5	<0.5	<0.5	<5
8/27/91	--	--	--	--	<1,000	<1,000	<1,000	<0.5	<0.5	<0.5	<0.5	<2
11/23/91	--	--	--	--	<1,000	<1,000	<1,000	<0.5	<0.5	<0.5	<0.5	<3
2/20/92	--	--	--	--	<1,000	<1,000	<1,000	<0.5	<0.5	<0.5	<0.5	<3
5/21/92	--	--	--	--	<500	**1,700**	<50	<0.5	<0.5	<0.5	<0.5	4.7
8/19/92	--	--	--	--	<250	--	<50	<0.5	<0.5	<0.5	<0.5	<2
11/12/92	--	--	--	--	<500	--	<100	<0.5	<0.5	<0.5	<0.5	--
2/25/93	--	DRY	--	--	--	--	--	--	--	--	--	--
8/24/93	--	--	--	--	--	--	<100	<0.5	<0.5	<0.5	<0.5	--
7/8/94	--	--	--	--	360	**840**	<50	<0.5	<0.5	<0.5	<1	--
1/4/95	--	--	--	--	470	**800**	<50	<0.5	<0.5	<0.5	<1	--
6/29/95	--	--	--	--	260	**1,000**	<50	<0.5	<0.5	<0.5	<1	--

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FORMER UNOCAL BULK PLANT NO. 306562
1329 West Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC[2] (ft.)	DTW (ft. BTOC)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Lead
MW-6 (cont)												
12/29/95	--	--	--	--	270	**890**	<50	<0.5	<0.5	<0.5	<1	--
6/19/96	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1	--
12/13/96	--	--	--	--	<250	<750	<50	<0.5	<0.5	<0.5	<1	--
7/1/97	--	--	--	--	<250	<750	<50	<0.5	<0.5	<0.5	<1	--
12/30/97	--	--	--	--	<250	<750	--	--	--	--	--	--
6/12/98	--	--	--	--	<250	<750	--	--	--	--	--	--
12/7/98	--	--	--	--	<250	<750	--	--	--	--	--	--
6/21/99	--	--	--	--	<250	<750	--	--	--	--	--	--
5/25/01	--	--	--	--	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
8/9/01	--	--	--	--	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
11/13/01	--	--	--	--	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
1/30/02	--	--	--	--	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
1/23/04	1,115.82	21.02	--	1,094.80	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
4/12/04	1,115.82	25.64	--	1,090.18	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
5/25/05	1,115.82	UNABLE TO LOCATE		--	--	--	--	--	--	--	--	--
8/30/05	1,115.82	UNABLE TO LOCATE		--	--	--	--	--	--	--	--	--
11/16/05	1,115.82	19.30	--	1,096.52	<245	<490	<50	<0.5	<0.5	<0.5	<1	--
4/5/06	1,115.82	DRY	--	--	--	--	--	--	--	--	--	--
7/25/06	1,115.82	14.09	--	1,101.73	<250	<500	<100	<0.5	<2	<1	<1.5	--
MW-6A												
5/23/12	1,115.93	22.60	--	1,093.33	<30	<71	<50	<0.5	<0.5	<0.5	<1.5	--
8/23/12	1,115.93	14.40	--	1,101.53	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	--
11/29/12	1,115.93	19.60	--	1,096.33	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	--
3/13/13	1,115.93	27.36	--	1,088.57	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--
6/11/13	1,115.93	17.51	--	1,098.42	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--
9/17/13	1,115.93	15.06	--	1,100.87	<31	<71	<50	<0.5	<0.5	<0.5	<1.5	--
3/19/14	1,115.93	27.74	--	1,088.19	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--
5/9/14	1,115.93	24.72	--	1,091.21	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS [1]
FORMER UNOCAL BULK PLANT NO. 306562
1329 West Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC[2] (ft.)	DTW (ft. BTOC)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Lead
MW-7												
11/15/92	--	--	--	--	**1,700**	--	<100	<0.5	<0.5	<0.5	0.7	--
2/25/93	--	--	--	--	--	--	--	--	--	--	--	--
8/24/93	--	--	--	--	<250	<250	<100	<0.5	<0.5	<0.5	<0.5	--
7/8/94	--	--	--	--	<50.0	**600**	<50	<0.5	<0.5	<0.5	<1	2
1/4/95	--	--	--	--	<50.0	**1,300**	<50	<0.5	<0.5	<0.5	<1	<2
6/29/95	--	--	--	--	370	**1,000**	<50	<0.5	<0.5	<0.5	<1	--
12/29/95	--	--	--	--	**510**	**1,000**	<50	<0.5	<0.5	<0.5	<1	--
6/19/96	--	--	--	--	**841**	**789**	<50	<0.5	<0.5	<0.5	<1	--
12/13/96	--	--	--	--	<250	<750	<50	<0.5	<0.5	<0.5	<1	--
7/1/97	--	--	--	--	<250	<750	<50	<0.5	<0.5	<0.5	--	--
12/30/97	--	--	--	--	<250	<750	--	--	--	--	--	--
6/12/98	--	--	--	--	<250	<750	--	--	--	--	--	--
12/7/98	--	--	--	--	<250	<750	--	--	--	--	--	--
6/21/99	--	--	--	--	<250	<750	--	--	--	--	--	--
5/25/01	--	--	--	--	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
8/9/01	--	--	--	--	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
11/13/01	--	--	--	--	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
1/30/02	--	--	--	--	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
1/23/04	1,121.04	26.41	--	1,094.63	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
4/12/04	1,121.04	30.92	--	1,090.12	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
5/25/05	1,121.04	19.88	--	1,101.16	315	<500	<50	<0.5	<0.5	<0.5	<1	--
7/6/05	1,121.04	--	--	--	--	--	--	--	--	--	--	--
8/30/05	1,121.04	--	--	--	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
11/16/05	1,121.04	24.55	--	1,096.49	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
4/5/06	1,121.04	DRY	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS [1]
FORMER UNOCAL BULK PLANT NO. 306562
1329 West Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC[2] (ft.)	DTW (ft. BTOC)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Lead
MW-7 (cont)												
7/25/06	1,121.04	19.32	--	1,101.72	<250	<500	<100	<0.5	<2	<1	<1.5	--
3/22/07	--	--	--	--	<48	--	--	<0.5	<0.5	<0.5	<1.5	--
8/9/07	--	--	--	--	<50	--	--	<0.5	<0.5	<0.5	<1.5	--
11/13/07	--	--	--	--	<50	--	--	<0.5	<0.5	<0.5	<1.5	--
5/23/08	1,121.04	DRY	--	--	<50	--	--	<0.5	<0.5	<0.5	<1.5	--
8/22/08	--	--	--	--	<50	--	--	<0.5	<0.5	<0.5	<1.5	--
2/11/09	--	--	--	--	<50	--	--	<0.5	<0.5	<0.5	<1.5	--
4/12/10	--	--	--	--	--	--	--	--	--	--	--	--
10/14/10	--	--	--	--	--	--	--	--	--	--	--	--
4/12/11	--	--	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--
10/11/11	1,121.04	24.38	--	1,096.66	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--
5/26/12	1,121.04	27.50	--	1,093.54	<33	<77	<50	<0.5	<0.5	<0.5	<1.5	--
8/23/12	1,121.04	19.56	--	1,101.48	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--
11/29/12	1,121.04	24.85	--	1,096.19	<39	<90	<50	<0.5	<0.5	<0.5	<1.5	
3/13/13	1,121.04	32.55	--	1,088.49	<34	<80	<50	<0.5	<0.5	<0.5	<1.5	--
6/10/13	1,121.04	22.63	--	1,098.41	--	--	--	--	--	--	--	--
9/17/13	1,121.04	20.26	--	1,100.78	--	--	--	--	--	--	--	--
3/19/14	1,121.04	33.18	--	1,087.86	--	--	--	--	--	--	--	--
5/8/14	1,121.04	29.72	--	1,091.32	--	--	--	--	--	--	--	--
MW-8												
05/25/01	1,116.28	--	--	--	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
08/09/01	1,116.28	--	--	--	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
11/13/01	1,116.28	--	--	--	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
01/30/02	1,116.28	--	--	--	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
1/23/04	1,116.28	21.54	--	1,094.74	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
4/12/04	1,116.28	26.12	--	1,090.16	<250	<500	<50	<0.5	<0.5	<0.5	<1	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS [1]
FORMER UNOCAL BULK PLANT NO. 306562
1329 West Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC[2] (ft.)	DTW (ft. BTOC)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Lead
MW-8 (cont)												
5/25/05	1,116.28	15.10	--	1,101.18	**3,260**	**911**	<50	<0.5	<0.5	<0.5	<1	--
7/6/05	1,116.28	14.71	--	1,101.57	351	<500	<50		<0.5	<0.5	<1	--
8/23/05[4]	1,116.28	--	--	--	<250	<500	<50	<0.5	<0.5	<0.5	<1	--
8/30/05	1,116.28	--	--	--	<250	**1,040**	<50	<0.5	<0.5	<0.5	<1	--
11/16/05	1,116.28	19.80	--	1,096.48	<243	<485	<50	<0.5	<0.5	<0.5	<1	--
4/5/06	1,116.28	DRY	--	--	--	--	--	--	--	--	--	--
7/25/06	1,116.28	14.56	--	1,101.72	<250	<500	<100	<0.5	<2	<1	<1.5	--
3/22/07	1,116.28	24.39	--	1,091.89	**1,500**	**570**[5]	<48	<0.5	<0.5	<0.5	<1.5	--
8/9/07	1,116.28	14.71	--	1,101.57	**3,000**	**1,600**	<50	<0.5	<0.5	0.7[5]	3.8[5]	--
11/13/07	1,116.28	20.43	--	1,095.85	**1,900**	**890**	<50	<0.5	<0.5	<0.5	<1.5	--
3/8/08	1,116.28	29.88	--	1,086.40	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--
5/23/08	1,116.28	26.61	--	1,089.67	**710**	170[5]	<50	<0.5	<0.5	<0.5	<1.5	--
8/22/08	1,116.28	14.78	--	1,101.50	**1,500**	110[5]	<50	<0.5	<0.5	<0.5	<1.5	--
2/11/09	1,116.28	25.13	--	1,091.15	**1,100**	**810**	<50	<0.5	<0.5	<0.5	<1.5	--
4/12/10	1,116.28	24.34	--	1,091.94	430	140	<50	<0.5	<0.5	<0.5	<1.5	--
10/14/10	1,116.28	17.55	--	1,098.73	**1,100**	**610**	<50	<0.5	<0.5	<0.5	<1.5	--
4/12/11	1,116.28	29.60	--	1,086.68	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--
10/11/11	1,116.28	17.60	--	1,098.68	<31	<72	<50	<0.5	<0.5	<0.5	<1.5	--
5/23/12	1,116.28	22.90	--	1,093.38	<31	<73	<50	<0.5	<0.5	<0.5	<1.5	--
8/23/12	1,116.28	14.82	--	1,101.46	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--
11/29/12	1,116.28	20.06	--	1,096.22	<30	<71	<50	<0.5	<0.5	<0.5	<1.5	--
3/13/13	1,116.28	27.80	--	1,088.48	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	--
6/11/13	1,116.28	17.91	--	1,098.37	<31	<73	<50	<0.5	<0.5	<0.5	<1.5	--
9/17/13	1,116.28	15.48	--	1,100.80	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--
3/19/14	1,116.28	28.14	--	1,088.14	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--
5/9/14	1,116.28	25.06	--	1,091.22	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS [1]
FORMER UNOCAL BULK PLANT NO. 306562
1329 West Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC[2] (ft.)	DTW (ft. BTOC)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Lead
MW-9												
5/23/12	1,113.62	20.25	--	1,093.37	<31	<72	<50	<0.5	<0.5	<0.5	<1.5	--
8/23/12	1,113.62	12.15	--	1,101.47	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--
11/29/12	1,113.62	17.40	--	1,096.22	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	--
3/13/13	1,113.62	25.12	--	1,088.50	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--
6/11/13	1,113.62	16.80	--	1,096.82	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--
9/17/13	1,113.62	14.34	--	1,099.28	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--
3/19/14	1,113.62	27.07	--	1,086.55	<31	<71	<50	<0.5	<0.5	<0.5	<1.5	--
5/9/14	1,113.62	23.98	--	1,089.64	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--
MW-10												
5/23/12	1,115.56	22.25	--	1,093.31	<31	<72	<50	<0.5	<0.5	<0.5	<1.5	--
8/23/12	1,115.56	14.08	--	1,101.48	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--
11/29/12	1,115.56	19.33	--	1,096.23	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	--
3/13/13	1,115.56	27.10	--	1,088.46	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--
6/11/13	1,115.56	17.16	--	1,098.40	<32	<74	<50	<0.5	<0.5	<0.5	<1.5	--
9/17/13	1,115.56	14.74	--	1,100.82	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--
3/19/14	1,115.56	27.40	--	1,088.16	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--
5/9/14	1,115.56	24.38	--	1,091.18	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--
QA												
4/12/11	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
10/11/11	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
5/23/12	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
8/23/12	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
11/29/12	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
3/14/13	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
6/7/13	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS [1]
FORMER UNOCAL BULK PLANT NO. 306562
1329 West Woodin Avenue
Chelan, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC[2] (ft.)	DTW (ft. BTOC)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Lead
QA (cont)												
9/17/13	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
3/19/14	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
5/9/14	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
Standard Laboratory Reporting Limits:					--	--	50	0.5	0.5	0.5	1.5	--
MTCA Method A Cleanup Levels:					500	500	800/1,000	5	1,000	700	1,000	15
Current Method:[6]					NWTPH-Dx + Extended[7]		NWTPH-Gx	USEPA 8021B				--

Abbreviations:

BTOC = Below top of casing
BTEX = Benzene, toluene, ethylbenzene, and total xylenes
DTW = Depth to water
Ecology = Washington State Department of Ecology
ft. = Feet
GWE = Goundwater elevation
MTCA = Model Toxics Control Act
NAVD88 = North American Vertical Datum 1988
SPH = Separate-phase hydrocarbon
SPHT = SPH thickness
TOC = Top of casing
TPH = Total Petroleum Hydrocarbons
TPH-DRO = TPH as diesel-range hydrocarbons
TPH-GRO = TPH as gasoline-range hydrocarbons
TPH-HRO = TPH as heavy oil-range hydrocarbons
USEPA = United States Environmental Protection Agency
µg/L = Micrograms per liter
-- = Not Tested/Not Analyzed

Notes:

1 Analytical results in bold font indicate concentrations exceed Ecology's MTCA Method A cleanup levels.
2 TOC data provided by ENSR on October 17, 2008 in feet based on NAVD88 datum.
3 When SPH is present, GWE has been corrected using the following formula: GWE = [(TOC - DTW) + (SPHT x 0.80)].
4 Sample collected immediately after vacuum extraction event.
5 Laboratory report indicates estimated value.
6 Laboratory analytical methods for historical data may not be consistent with list of current analytical methods. When necessary, consult original laboratory reports to verify methods used.
7 Analyzed with silica-gel clean up.

Attachment A:
Groundwater Sample Collection Data Forms

GETTLER-RYAN INC.

TRANSMITTAL

May 19, 2014
G-R #385524

TO: Mr. Don Wyll
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: Chevron Facility
#306562
(Former Unocal #0082)
Highway 97 and East Street
Chelan, Washington

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **Second Quarter Event of May 8 & 9, 2014**

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/306562

GETTLER-RYAN INC.

CHEVRON - SITE CHECK LIST

Facility#:	Chevron #306562	Date:	5.09.14
Address:	Hwy 97 & East Street		
City/St.:	Chelan,WA		
Status of Site:	PARKING LOT		

DRUMS: Please list below ALL DRUMS @ site: i.e., drum description, condition, labeling, contents, location of drum:

#	Description	Condition	Labeling	Contents	Location
	NO DRUMS OBSERVED				

WELLS: Please check the condition of ALL WELLS @ site: i.e., well box condition, gaskets, bolts, well plug, well lock, etc.:

Well ID	Gaskets (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Well Plug Y / N	Well Lock Y / N	Well Box Manufacturer/Size/# of Bolts	Other
MW-1A	↓	↓	↓	↓	8" MORRIS x 3	
MW-2					8" HOLYOKE x 2	
MW-3A					8" MORRIS x 3	
MW-4A						
MW-5A						
MW-6A						
MW-7						
MW-8						
MW-9						
MW-10						

Additional Comments/Observations: _____

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

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

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

After water levels are collected and prior to sampling, if purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, peristaltic or Grundfos), or disposable bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging (additional parameters such as dissolved oxygen, oxidation reduction potential, turbidity may also be measured, depending on specific scope of work.). Purging continues until these parameters stabilize. Purge water is treated by filtering the water through granular activated carbon and is subsequently discharged to the ground surface at the site.

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

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

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #306562** Job Number: **385524**
Site Address: **Hwy 97 & East Street** Event Date: 5.8/9.14 (inclusive)
City: **Chelan,WA** Sampler: J.H

Well ID **MW-1A** Date Monitored: 5.8.14
Well Diameter **2**
Total Depth 29.09 ft.
Depth to Water 24.54 ft.

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

☐ Check if water column is less then 0.50 ft.

4.55 xVF .17 = .77 x3 case volume = Estimated Purge Volume: 2.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 25.45

Purge Equipment:		**Sampling Equipment:**	
Disposable Bailer	✓	Disposable Bailer	✓
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Suction Pump		Peristaltic Pump	
Grundfos		QED Bladder Pump	
Peristaltic Pump		Other:	
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: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1632 Weather Conditions: SUNNY
Sample Time/Date: 1654 / 5.9.14 Water Color: CLOUDY Odor: Y / (N)
Approx. Flow Rate: — gpm. Sediment Description: GREYISH - BROWN
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 25.63

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) ~~(µmhos/cm - µS)~~	Temperature (C) / F	D.O. (mg/L)	ORP (mV)
1640	1.5	6.78	.819	14.41		
1648	2.5	6.66	.801	14.60		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1A	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #306562** Job Number: **385524**

Site Address: **Hwy 97 & East Street** Event Date: 5.8/9.14 (inclusive)

City: **Chelan,WA** Sampler: J.P

Well ID **MW-2** Date Monitored: 5.8.14

Well Diameter **2**

Total Depth 25.43 ft.

Depth to Water 25.39 ft.

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

☑ Check if water column is less then 0.50 ft.

.04 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
- Suction Pump
- Grundfos
- 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: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): Weather Conditions:

Sample Time/Date: / Water Color: Odor: Y / N

Approx. Flow Rate: gpm. Sediment Description:

Did well de-water? If yes, Time: Volume: gal. DTW @ Sampling:

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS: ~~DRY @~~ INSUFFICIENT H2O MONITOR ONLY

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #306562 | Job Number: 385524
Site Address: Hwy 97 & East Street | Event Date: 5.8/9.14 (inclusive)
City: Chelan,WA | Sampler: JP

Well ID: MW-3A | Date Monitored: 5.8.14
Well Diameter: 2
Total Depth: 29.58 ft.
Depth to Water: 24.04 ft.

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

☐ Check if water column is less then 0.50 ft.

5.54 xVF .17 = .94 x3 case volume = Estimated Purge Volume: 3 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 25.14

Purge Equipment:

Disposable Bailer	✓
Stainless Steel Bailer	
Stack Pump	
Suction Pump	
Grundfos	
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: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1715 | Weather Conditions: SUNNY
Sample Time/Date: 1740 5.9.14 | Water Color: CLOUDY Odor (Y) N MILD
Approx. Flow Rate: gpm. | Sediment Description: GREYISH
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 24.96

Time (2400 hr.)	Volume (gal.)	pH	~~Conductivity (µmhos/cm µS)~~ mS	Temperature (C) F	D.O. (mg/L)	ORP (mV)
1721	1	6.89	1.044	14.09		
1727	2	6.81	1.022	14.14		
1732	3	6.77	1.000	14.39		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3A	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS: SOCK IN WELL

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #306562** Job Number: **385524**

Site Address: **Hwy 97 & East Street** Event Date: 5.8/9.14 (inclusive)

City: **Chelan,WA** Sampler: J.P

Well ID MW-4A Date Monitored: 5.8.14

Well Diameter 2

Total Depth 29.76 ft.

Depth to Water 24.46 ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

Purge Equipment:

- Disposable Bailer
- Stainless Steel Bailer
- Stack Pump
- Suction Pump
- Grundfos
- 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: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): Weather Conditions:

Sample Time/Date: / Water Color: Odor: Y / N

Approx. Flow Rate: gpm. Sediment Description:

Did well de-water? If yes, Time: Volume: gal. DTW @ Sampling:

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS: M.O

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #306562 | Job Number: 385524
Site Address: Hwy 97 & East Street | Event Date: 5.8/9.14 (inclusive)
City: Chelan,WA | Sampler: J.P

Well ID: MW-5A
Well Diameter: 2
Total Depth: 29.48 ft.
Depth to Water: 24.72 ft.

Date Monitored: 5.8.14

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

☐ Check if water column is less then 0.50 ft.

4.76 xVF .17 = .80 x3 case volume = Estimated Purge Volume: 2.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 25.67

Purge Equipment:
- Disposable Bailer ✓
- Stainless Steel Bailer
- Stack Pump
- Suction Pump
- Grundfos
- 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: ____ gal
Amt Removed from Well: ____ gal
Water Removed:
Product Transferred to:

Start Time (purge): 1800
Sample Time/Date: 1823 / 5.9.14
Approx. Flow Rate: ____ gpm.
Did well de-water? NO If yes, Time: — Volume: — gal.
Weather Conditions: SUNNY
Water Color: CLOUDY Odor: (Y) / N
Sediment Description: GREYISH
DTW @ Sampling: 25.33

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (~~µmhos/cm - µS~~) mS	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1809	1.5	[illegible]	[illegible]	[illegible]		
1816	2.5	.989	6.62	14.34		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5A	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #306562** Job Number: **385524**

Site Address: **Hwy 97 & East Street** Event Date: 5.08/9.14 (inclusive)

City: **Chelan,WA** Sampler: V.P

Well ID **MW-6A** Date Monitored: 5.8.14

Well Diameter **2**

Total Depth 34.48 ft.

Depth to Water 24.72 ft.

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

☐ Check if water column is less then 0.50 ft.

9.76 xVF .17 = 1.6 x3 case volume = Estimated Purge Volume: 5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 26.67

Purge Equipment:

Disposable Bailer	✓
Stainless Steel Bailer	
Stack Pump	
Suction Pump	
Grundfos	
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: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1453 Weather Conditions: SUNNY

Sample Time/Date: 1524 / 5.9.14 Water Color: CLOUDY Odor: Y / (N)

Approx. Flow Rate: — gpm. Sediment Description: GREYISH

Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 26.13

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (mS) (~~µmhos/cm~~ ~~µS~~)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1502	2	7.06	.958	13.79		
1512	4	7.01	.952	14.01		
1518	5	6.91	.943	14.12		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6A	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #306562** Job Number: **385524**

Site Address: **Hwy 97 & East Street** Event Date: 5.8/9.14 (inclusive)

City: **Chelan,WA** Sampler: J.P

Well ID **MW-7** Date Monitored: 5.8.14

Well Diameter **2**

Total Depth 33.34 ft.

Depth to Water 29.72 ft.

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

☐ Check if water column is less then 0.50 ft.

3.62 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 ____
Suction Pump ____
Grundfos ____
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: ____ gal
Amt Removed from Well: ____ gal
Water Removed: ____
Product Transferred to: ____

Start Time (purge): ____ Weather Conditions: ____

Sample Time/Date: ____ / ____ Water Color: ____ Odor: **Y / N** ____

Approx. Flow Rate: ____ gpm. Sediment Description: ____

Did well de-water? ____ If yes, Time: ____ Volume: ____ gal. DTW @ Sampling: ____

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS: M.O

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #306562** Job Number: **385524**
Site Address: **Hwy 97 & East Street** Event Date: 5.8/9.14 (inclusive)
City: **Chelan,WA** Sampler: J.P

Well ID MW-10 Date Monitored: 5.8.14
Well Diameter 2
Total Depth 30.30 ft.
Depth to Water 25.00 ft.

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

☐ Check if water column is less then 0.50 ft.

5.32 xVF .17 = .90 x3 case volume = Estimated Purge Volume: 3 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 26.12

Purge Equipment:

Disposable Bailer	✓
Stainless Steel Bailer	
Stack Pump	
Suction Pump	
Grundfos	
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: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1550 Weather Conditions: SUNNY
Sample Time/Date: 1602/5.9.14 Water Color: CLOUDY Odor: Y / (N)
Approx. Flow Rate: — gpm. Sediment Description: BROWNISH
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 25.81

Time (2400 hr.)	Volume (gal.)	pH	Conductivity ~~(µmhos/cm µS)~~ mS	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1556	1	6.88	.740	13.86		
1601	2	6.94	.782	14.10		
1606	3	7.00	.760	14.22		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-10	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	2x1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #306562** Job Number: **385524**

Site Address: **Hwy 97 & East Street** Event Date: 5.8/9.14 (inclusive)

City: **Chelan,WA** Sampler: J.P

Well ID **MW-9** Date Monitored: 5.8.14

Well Diameter **2**

Total Depth 36.00 ft.

Depth to Water 23.98 ft.

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

☐ Check if water column is less then 0.50 ft.

12.10 xVF .17 = 2.0 x3 case volume = Estimated Purge Volume: 6 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 26.40

Purge Equipment:

Disposable Bailer	X
Stainless Steel Bailer	
Stack Pump	
Suction Pump	
Grundfos	
Peristaltic Pump	
QED Bladder Pump	
Other: YSI	

Sampling Equipment:

Disposable Bailer	X
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: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1300 Weather Conditions: SUNNY

Sample Time/Date: 1333 5.9.14 Water Color: CLOUDY Odor: Y / (N)

Approx. Flow Rate: — gpm. Sediment Description: BROWNISH

Did well de-water? No If yes, Time: — Volume: — gal. DTW @ Sampling: 26.11

Time (2400 hr.)	Volume (gal.)	pH	Conductivity ~~(µmhos/cm - µS)~~	Temperature (C) / F	D.O. (mg/L)	ORP (mV)
1311	2	7.18	1.137	14.67		
1319	4	7.01	1.122	14.39		
1328	6	6.93	1.101	14.03		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-9	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #306562** Job Number: **385524**
Site Address: **Hwy 97 & East Street** Event Date: 5.8/9.14 (inclusive)
City: **Chelan,WA** Sampler: JP

Well ID MW-10 Date Monitored: 5.8.14
Well Diameter 2
Total Depth 34.56 ft.
Depth to Water 24.38 ft.

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

☐ Check if water column is less then 0.50 ft.

10.18 xVF .17 = 1.7 x3 case volume = Estimated Purge Volume: 5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 26.41

Purge Equipment:		**Sampling Equipment:**	
Disposable Bailer	✓	Disposable Bailer	✓
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Suction Pump		Peristaltic Pump	
Grundfos		QED Bladder Pump	
Peristaltic Pump		Other:	
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: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1400 Weather Conditions: SUNNY
Sample Time/Date: 1430 / 5.9.14 Water Color: CLEAR Odor: Y / (N)
Approx. Flow Rate: — gpm. Sediment Description: GREYISH
Did well de-water? No If yes, Time: — Volume: — gal. DTW @ Sampling: 26.13

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (~~µmhos/cm~~ mS)	Temperature (C) / F	D.O. (mg/L)	ORP (mV)
1411	2	6.71	1.189	14.11		
1419	4	6.79	1.199	13.91		
1426	5	6.86	1.209	13.77		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-10	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS:

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

Chevron Northwest Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

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

SCR #: _____

(1) Client Information

Facility # SS#306562-OML G-R#385524 WBS

Site Address: HWY 97 & East Street, CHELAN, WA

Chevron PM: ER Lead Consultant: LEIDOSDW Don E. Wyll

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: J. Payne

(4) Matrix

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

(3)

Grab / Composite

(2) Sample Identification

Sample Identification	Collected Date	Collected Time	Grab	Composite	Total Number of Containers	BTEX + MTBE 8021 ☐ Naphth ☐ 8260 ☐	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
QA	5.9.14		X		2	X			X				
MW-1A	5.9.14	1654	X		5	X			X	X			
MW-3A		1740	X		5	X			X	X			
MW-5A		1833	X		5	X			X	X			
MW-6A		1524	X		5	X			X	X			
MW-8		1612	X		5	X			X	X			
MW-9		1333	X		5	X			X	X			
MW-10		1430	X		5	X			X	X			

(5) Analyses Requested

- ☐ 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

Requesting 10 gram column cleanup on Dx samples

Please forward the lab results directly to the Lead Consultant and cc: G-R

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

Standard | 5 day | 4 day | 72 hour | 48 hour | 24 hour

EDF/EDD

(8) Data Package (circle if required)

Type I - Full

Type VI (Raw Data)

EDD (circle if required)

CVX-RTBU-FI_05 (default)

Other: _____

Relinquished by	Date	Time	Received by	Date	Time (9)
	5.13.14	1200			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by Commercial Carrier: UPS ✓ FedEx ____ Other ____			Received by	Date	Time
Temperature Upon Receipt _____ °C			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

May 23, 2014

Project: 306562

Submittal Date: 05/14/2014
Group Number: 1474223
PO Number: 0015143985
Release Number: ROEHL
State of Sample Origin: WA

Client Sample Description	Lancaster Labs (LL) #
QA Water	7462825
MW-1A Grab Groundwater	7462826
MW-3A Grab Groundwater	7462827
MW-5A Grab Groundwater	7462828
MW-6A Grab Groundwater	7462829
MW-8 Grab Groundwater	7462830
MW-9 Grab Groundwater	7462831
MW-10 Grab Groundwater	7462832

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

ELECTRONIC COPY TO	Gettler-Ryan Inc.	Attn: Gettler Ryan
ELECTRONIC COPY TO	SAIC	Attn: Jamalyn Green
ELECTRONIC COPY TO	SAIC	Attn: Don Wyll

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

Sample Description: QA Water
Facility# 306562 Job# 385524
Hwy 97 & East Street - Chelan, WA

LL Sample # WW 7462825
LL Group # 1474223
Account # 11260

Project Name: 306562

Collected: 05/09/2014

Submitted: 05/14/2014 09:35
Reported: 05/23/2014 10:32

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

ESCQA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	N.D.	0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1

General 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
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14135A53A	05/16/2014 14:53	Marie D Beamenderfer	1
02102	Method 8021 Water Master	SW-846 8021B	1	14135A53A	05/16/2014 14:53	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14135A53A	05/16/2014 14:53	Marie D Beamenderfer	1

Sample Description: MW-1A Grab Groundwater
Facility# 306562 Job# 385524
Hwy 97 & East Street - Chelan, WA

LL Sample # WW 7462826
LL Group # 1474223
Account # 11260

Project Name: 306562

Collected: 05/09/2014 16:54 by JP

Submitted: 05/14/2014 09:35
Reported: 05/23/2014 10:32

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

ESC01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	N.D.	0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	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.	30	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	70	1

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

General 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
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14135A53A	05/16/2014 16:16	Marie D Beamenderfer	1
02102	Method 8021 Water Master	SW-846 8021B	1	14135A53A	05/16/2014 16:16	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14135A53A	05/16/2014 16:16	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	141360031A	05/21/2014 17:12	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	141360031A	05/19/2014 08:05	Olivia Arosemena	1

Sample Description: MW-3A Grab Groundwater
Facility# 306562 Job# 385524
Hwy 97 & East Street - Chelan, WA

LL Sample # WW 7462827
LL Group # 1474223
Account # 11260

Project Name: 306562

Collected: 05/09/2014 17:40 by JP

Submitted: 05/14/2014 09:35
Reported: 05/23/2014 10:32

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

ESC03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	N.D.	0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	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.	120	30	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	70	1

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

General 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
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14135A53A	05/16/2014 17:40	Marie D Beamenderfer	1
02102	Method 8021 Water Master	SW-846 8021B	1	14135A53A	05/16/2014 17:40	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14135A53A	05/16/2014 17:40	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	141360031A	05/21/2014 17:33	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	141360031A	05/19/2014 08:05	Olivia Arosemena	1

Sample Description: MW-5A Grab Groundwater
Facility# 306562 Job# 385524
Hwy 97 & East Street - Chelan, WA

LL Sample # WW 7462828
LL Group # 1474223
Account # 11260

Project Name: 306562

Collected: 05/09/2014 18:23 by JP

Submitted: 05/14/2014 09:35
Reported: 05/23/2014 10:32

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

ESC05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	130	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	N.D.	0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	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.	170	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	69	1

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

General 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
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14135A53A	05/16/2014 18:08	Marie D Beamenderfer	1
02102	Method 8021 Water Master	SW-846 8021B	1	14135A53A	05/16/2014 18:08	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14135A53A	05/16/2014 18:08	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	141360031A	05/21/2014 17:55	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	141360031A	05/19/2014 08:05	Olivia Arosemena	1

Sample Description: MW-6A Grab Groundwater
Facility# 306562 Job# 385524
Hwy 97 & East Street - Chelan, WA

LL Sample # WW 7462829
LL Group # 1474223
Account # 11260

Project Name: 306562

Collected: 05/09/2014 15:24 by JP

Submitted: 05/14/2014 09:35
Reported: 05/23/2014 10:32

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

ESC06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	N.D.	0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	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.	30	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	70	1

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

General 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
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14135A53A	05/16/2014 18:36	Marie D Beamenderfer	1
02102	Method 8021 Water Master	SW-846 8021B	1	14135A53A	05/16/2014 18:36	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14135A53A	05/16/2014 18:36	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	141360031A	05/21/2014 18:17	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	141360031A	05/19/2014 08:05	Olivia Arosemena	1

Sample Description: MW-8 Grab Groundwater
Facility# 306562 Job# 385524
Hwy 97 & East Street - Chelan, WA

LL Sample # WW 7462830
LL Group # 1474223
Account # 11260

Project Name: 306562

Collected: 05/09/2014 16:12 by JP

Submitted: 05/14/2014 09:35
Reported: 05/23/2014 10:32

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

ESC08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	N.D.	0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	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%.

General 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
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14135A53A	05/16/2014 19:03	Marie D Beamenderfer	1
02102	Method 8021 Water Master	SW-846 8021B	1	14135A53A	05/16/2014 19:03	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14135A53A	05/16/2014 19:03	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	141360031A	05/21/2014 18:38	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	141360031A	05/19/2014 08:05	Olivia Arosemena	1

Sample Description: MW-9 Grab Groundwater
Facility# 306562 Job# 385524
Hwy 97 & East Street - Chelan, WA

LL Sample # WW 7462831
LL Group # 1474223
Account # 11260

Project Name: 306562

Collected: 05/09/2014 13:33 by JP

Submitted: 05/14/2014 09:35
Reported: 05/23/2014 10:32

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

ESC09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	N.D.	0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1

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

General 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
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14135A53A	05/16/2014 19:31	Marie D Beamenderfer	1
02102	Method 8021 Water Master	SW-846 8021B	1	14135A53A	05/16/2014 19:31	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14135A53A	05/16/2014 19:31	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	141360031A	05/21/2014 19:00	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	141360031A	05/19/2014 08:05	Olivia Arosemena	1

Sample Description: MW-10 Grab Groundwater
Facility# 306562 Job# 385524
Hwy 97 & East Street - Chelan, WA

LL Sample # WW 7462832
LL Group # 1474223
Account # 11260

Project Name: 306562

Collected: 05/09/2014 14:30 by JP

Submitted: 05/14/2014 09:35
Reported: 05/23/2014 10:32

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

ESC10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	N.D.	0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1

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

General 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
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14135A53A	05/16/2014 19:59	Marie D Beamenderfer	1
02102	Method 8021 Water Master	SW-846 8021B	1	14135A53A	05/16/2014 19:59	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14135A53A	05/16/2014 19:59	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	141360031A	05/21/2014 19:21	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	141360031A	05/19/2014 08:05	Olivia Arosemena	1

Quality Control Summary

Client Name: Chevron Group Number: 1474223
Reported: 05/23/14 at 10:32 AM

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.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 14135A53A	Sample number(s): 7462825-7462832							
Benzene	N.D.	0.2	ug/l	96		80-120		
Ethylbenzene	N.D.	0.2	ug/l	95		80-120		
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	106	107	75-135	2	30
Toluene	N.D.	0.2	ug/l	97		80-120		
Total Xylenes	N.D.	0.2	ug/l	98		80-120		
Batch number: 141360031A	Sample number(s): 7462826-7462832							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	70	72	32-117	2	20
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 14135A53A	Sample number(s): 7462825-7462832 UNSPK: P463060								
Benzene	83 (2)	76 (2)	84-126	1	30				
Ethylbenzene	101	102	80-133	0	30				
Toluene	104	102	80-133	1	30				
Total Xylenes	101	101	80-132	0	30				

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: Method 8021 Water Master
Batch number: 14135A53A

	Trifluorotoluene-P	Trifluorotoluene-F
7462825	78	70
7462826	77	70
7462827	77	70
7462828	78	72
7462829	78	67

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

Quality Control Summary

Client Name: Chevron Group Number: 1474223
Reported: 05/23/14 at 10:32 AM

Surrogate Quality Control

7462830	78	69
7462831	78	69
7462832	78	69
Blank	78	70
LCS	77	77
LCSD		77
MS	78	
MSD	78	
Limits:	51-120	63-135

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 141360031A

	Orthoterphenyl
7462826	99
7462827	89
7462828	85
7462829	87
7462830	98
7462831	90
7462832	81
Blank	110
LCS	98
LCSD	100
Limits:	50-150

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

Chevron Northwest Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 11260 For Eurofins Lancaster Laboratories use only Group # 1474323 Sample # 746825-32
Instructions on reverse side correspond with circled numbers.

SCR #: _____

(1) Client Information

Facility # SS#306562-OML G-R#385524 WBS

Site Address: HWY 97 & East Street, CHELAN, WA

Chevron PM: ER Lead Consultant: LEIDOSDW Don E. Wyll

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: J. Payne

(4) Matrix

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

(3) Grab / Composite

(2) Sample Identification

Sample Identification	Collected Date	Collected Time	Grab	Composite	Total Number of Containers	BTEX + ~~MTBE~~ 8021	8260 Naphth	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead	Total	Diss.	Method
QA	5.9.14		X		2	X				X								
MW-1A	5.9.14	1654	X		5	X				X	X							
MW-3A		1740	X		5	X				X	X							
MW-5A		1823	X		5	X				X	X							
MW-6A		1524	X		5	X				X	X							
MW-8		1612	X		5	X				X	X							
MW-9		1333	X		5	X				X	X							
MW-10		1430	X		5	X				X	X							

(5) Analyses Requested

- ☐ 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

Requesting 10 gram column cleanup on Dx samples

Please forward the lab results directly to the Lead Consultant and cc: G-R.

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

Standard | 5 day | 4 day | 72 hour | 48 hour | 24 hour

EDF/EDD

Relinquished by	Date	Time	Received by	Date	Time
	5.13.14	1200			
Relinquished by	Date	Time	Received by	Date	Time

(9)

(8) Data Package (circle if required)

Type I - Full

Type VI (Raw Data)

EDD (circle if required)

CVX-RTBU-FI_05 (default)

Other: _____

Relinquished by Commercial Carrier: UPS ✓ FedEx _____ Other _____

Temperature Upon Receipt 0.4-4.1 °C

Received by: Date 5/14/14 Time 935

Custody Seals Intact? Yes No

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 - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> 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.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	**B**	Value is <CRDL, but ≥IDL
B	Analyte was also detected in the blank	**E**	Estimated due to interference
C	Pesticide result confirmed by GC/MS	**M**	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	**N**	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	**S**	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	**U**	Compound was not detected
P	Concentration difference between primary and confirmation columns >25%	**W**	Post digestion spike out of control limits
U	Compound was not detected	*****	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	**+**	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC 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.