March 19, 2019

Mr. Dale Myers
Washington State Department of Ecology
Toxics Cleanup Program, Northwest Regional Office
3190 160th Ave SE
Bellevue, Washington 98008-5452

Subject: **First Semi-annual 2018 Groundwater Monitoring and Sampling Report**
Former Chevron Service Station No. 90123
915 East Roy Street
Seattle, Washington

Dear Mr. Myers:

Leidos, Inc. (Leidos), prepared this letter summarizing the first semi-annual 2018 groundwater monitoring and sampling event at former Chevron Service Station No. 90123 (the site) in Seattle, Washington (Figure 1). The site is currently an active Conoco-Phillips 76 Service Station.

FIELD ACTIVITIES

Monitoring and sampling were conducted by Gettler-Ryan, Inc. (Gettler-Ryan) on January 18, 2018. Gettler-Ryan collected depth-to-groundwater measurements and checked for the presence of separate-phase hydrocarbons (SPH) in eight wells on the properties east of Roy Street and four additional wells located west of Roy Street at the former Unocal Service Station No. 306533 (Figure 2).

Groundwater samples were collected from all onsite monitoring wells. Groundwater samples were submitted to Eurofins Lancaster Laboratories, Inc. in Lancaster, Pennsylvania for the following analyses:

- Total petroleum hydrocarbons (TPH) as gasoline-range organics (TPH-GRO) by Northwest Method NWTPH-Gx;
- TPH as diesel-range organics (TPH-DRO) and TPH as heavy oil-range organics (TPH-HRO) by Northwest Method NWTPH-Dx; and
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX), and methyl tertiary butyl ether (MTBE) by United States Environmental Protection Agency Method 8021B.

A laboratory-supplied trip blank (QA) was submitted and analyzed for TPH-GRO, BTEX, and MTBE to provide quality assurance. Field data sheets are provided in the groundwater monitoring and sampling data package (Attachment A). Historical groundwater elevation data, SPH thickness data, and laboratory analytical results are summarized in Tables 1 and 2. The laboratory analysis report is provided as Attachment B and hydrographs are included in Attachment C.

DISCUSSION

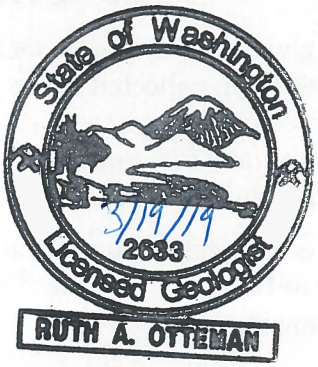
Groundwater elevations and flow direction are consistent with historical data. Boring logs and depth-to-water measurements indicate that there are two water-bearing zones at the site: a perched upper aquifer and a deeper aquifer. Monitoring wells MW-4A, MW-6, MW-10, and MW-11 are screened within the perched upper aquifer. Groundwater flow in this perched upper aquifer is to the northeast and north, with a gradient of approximately 0.007 to 0.035 feet per foot. Groundwater flow in the deeper aquifer is generally toward the west with a gradient of approximately 0.08 to 0.18 feet per foot (Figure 2).

SPH are not present in any site monitoring wells. SPH has not been identified in monitoring well MW-1A since October 2013. During the recent sampling, TPH-GRO, TPH-HRO, and BTEX were detected in monitoring well MW-1A at concentrations exceeding their respective Model Toxics Control Act (MTCA) Method A cleanup levels. In addition, the concentration of TPH-DRO exceeded the MTCA Method A cleanup level in perched monitoring well MW-6, although concentrations have fluctuated through time above and below the cleanup level. No other tested analytes were detected at concentrations exceeding MTCA Method A cleanup levels in the remaining monitoring wells.

If you have any questions or comments, please contact me at (425) 482-3328 or via email at ottemanr@leidos.com.

Sincerely,

Leidos, Inc.



Ruth Otteman, LG #2633
Project Manager

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

cc: Mr. Eric Hetrick – CEMC (electronic copy)
6001 Bollinger Canyon Road, San Ramon, CA 94583
Ms. Mee Chong Collins – Property Owner
915 E Roy Street, Seattle, WA 98102
Project File

REPORT LIMITATIONS

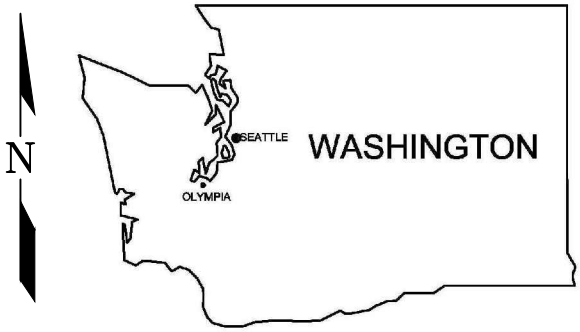
This technical document was prepared on behalf of CEMC and is intended for its sole use and for use by the local, state or federal regulatory agency that the technical document was sent to by Leidos. Any other person or entity obtaining, using, or relying on this technical document hereby acknowledges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

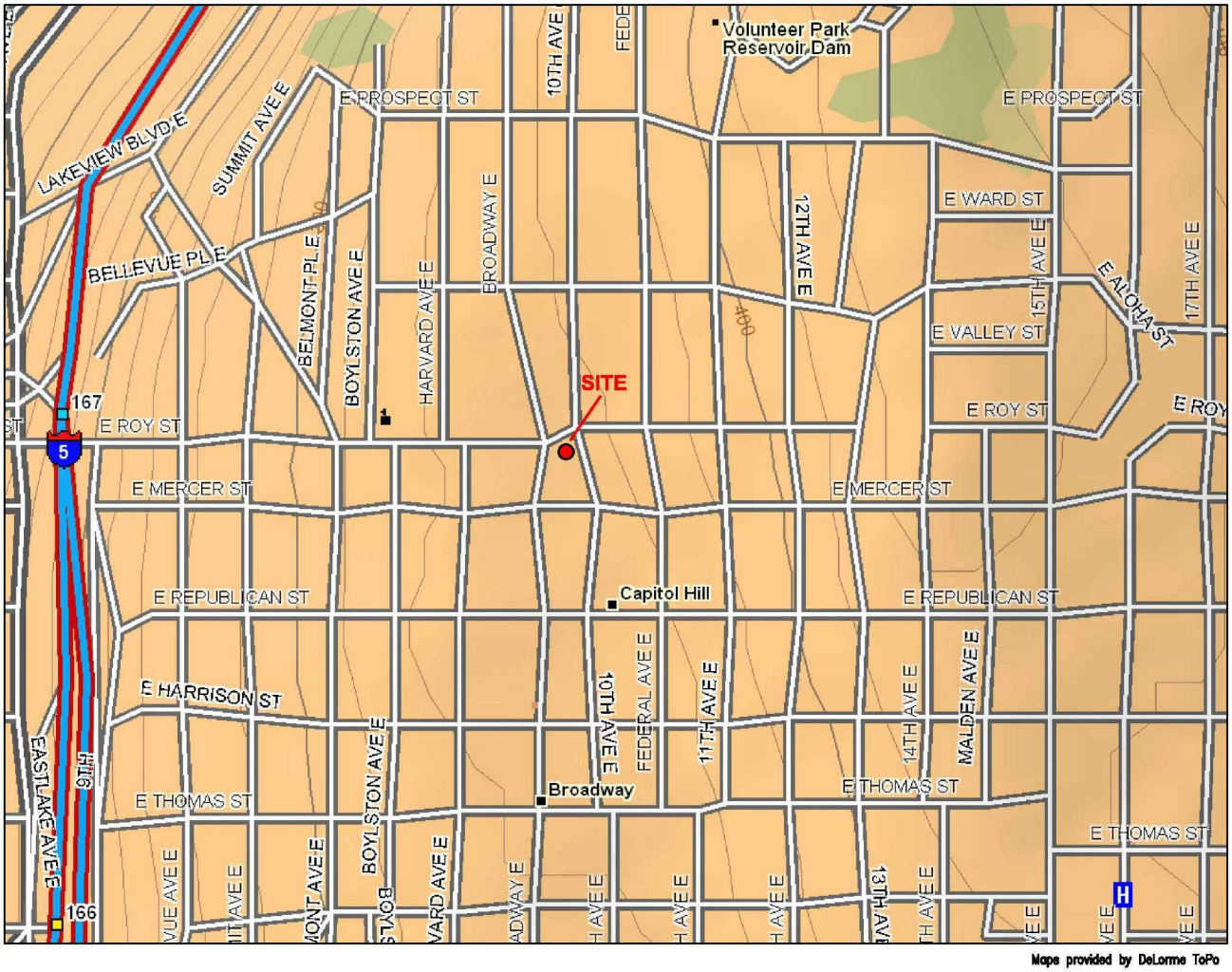
Site history and background information provided in this technical document are based on sources that may include interviews with environmental regulatory agencies and property management personnel and a review of acquired environmental regulatory agency documents and property information obtained from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

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

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

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





Former Chevron Service Station
No. 90123
915 East Roy Street
Seattle, Washington

FIGURE 1
□icinity Map

DATE: 11/25/2013

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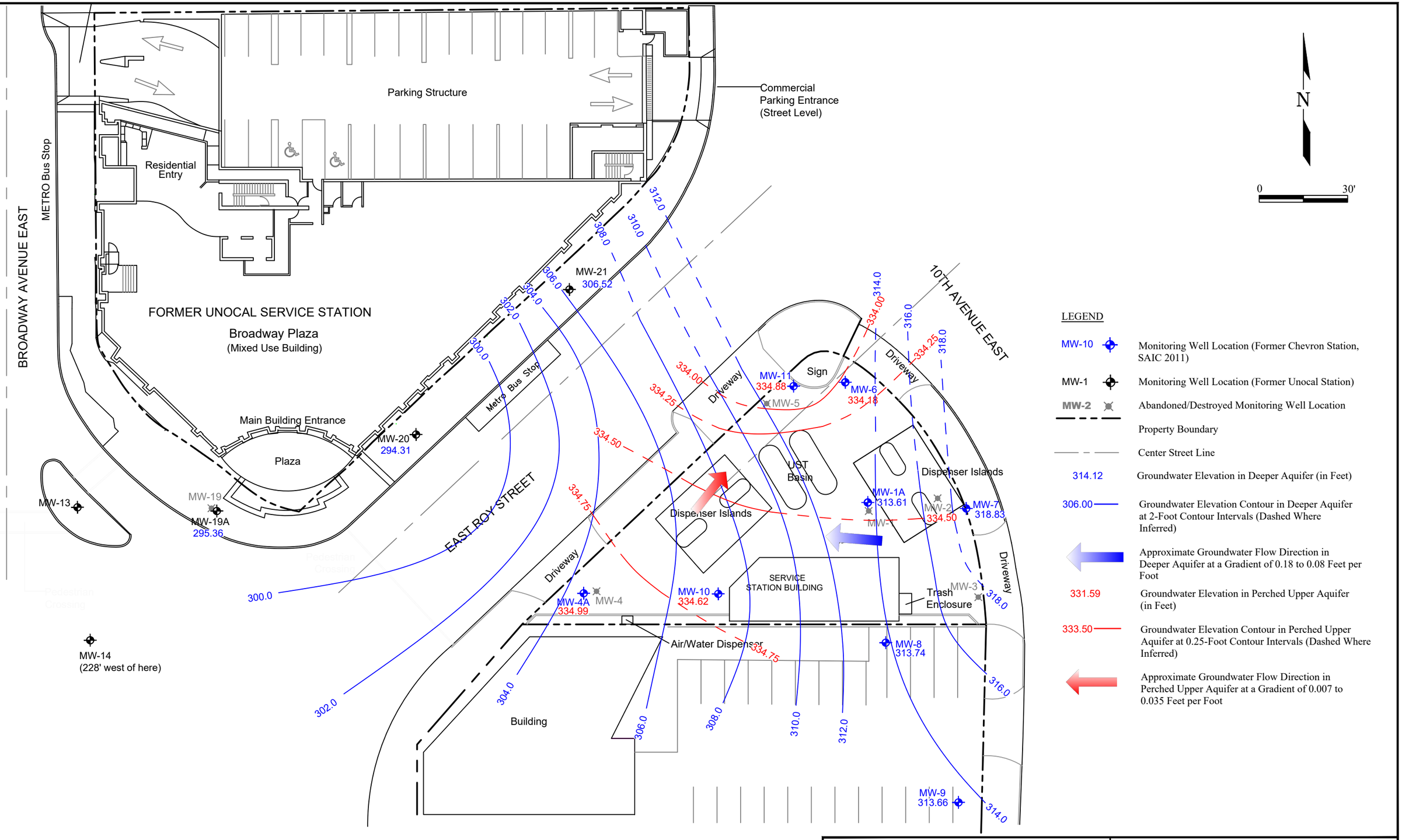

leidos

NOTE: Features for Former Unocal Service Station No. 30-6533 were adapted from an ENSR Corporation figure which was based on an Integrated Site Design plan for the City of Seattle, WA Broadway Avenue East, ROW Improvements Plan

Former Chevron Service Station No. 90123
915 East Roy Street
Seattle, Washington

FIGURE 2
Potentiometric Map
January 18, 2018

DATE: 3/19/2019

DRAWING: 9-0123 Extended Site Map well survey_JRG.dwg

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS [1]
FORMER CHEVRON SERVICE STATION NO. 90123
915 East Roy Street
Seattle, Washington
Concentrations reported in µg/L unless otherwise noted

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	T. Lead	D. Lead (mg/L)
MW-1															
9/19/92	97.06	--	31.02	--	66.04	ND	ND	**32,000**	**6,300**	**3,500**	**1,500**	**3,600**	--	4	--
9/19/92(D)	97.06	--	--	--	--	ND	ND	**37,000**	**6,300**	**4,200**	**1,500**	**4,500**	--	4	--
2/18/93	97.06	30.00	33.00	3.00	66.46	--	--	--	--	--	--	--	--	--	--
5/10/93	97.06	30.80	31.00	0.20	66.22	--	--	--	--	--	--	--	--	--	--
11/16/93	99.56	30.56	32.82	2.26	68.55	--	--	**27,900**	**1,440**	**2,060**	**1,120**	**2,140**	--	--	--
2/16/94	99.56	30.67	31.37	0.70	68.75	--	--	--	--	--	--	--	--	--	--
5/25/94	99.56	30.87	31.01	0.14	68.66	--	--	--	--	--	--	--	--	--	--
8/24/94	99.56	31.00	31.67	0.67	68.43	--	--	--	--	--	--	--	--	--	--
11/15/94	99.56	30.85	31.85	1.00	68.51	--	--	--	--	--	--	--	--	--	--
2/3/95	99.56	30.80	31.25	0.45	68.67	--	--	--	--	--	--	--	--	--	--
4/24/95	99.56	30.32	31.32	1.00	69.04	--	--	--	--	--	--	--	--	--	--
7/7/95	99.56	30.86	31.28	0.42	68.62	--	--	--	--	--	--	--	--	--	--
10/30/95	99.56	31.22	31.25	0.03	68.33	--	--	--	--	--	--	--	--	--	--
1/5/96	99.56	30.49	30.81	0.32	69.01	--	--	--	--	--	--	--	--	--	--
4/11/96	99.56	30.65	31.19	0.54	68.80	--	--	--	--	--	--	--	--	--	--
7/8/96	99.56	30.63	30.69	0.06	68.92	--	--	--	--	--	--	--	--	--	--
10/2/96	99.56	31.40	32.18	0.78	68.00	--	--	--	--	--	--	--	--	--	--
2/7/97	99.56	30.25	30.98	0.73	69.16	--	--	--	--	--	--	--	--	--	--
2/13/98	99.56	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--	--
5/31/99	99.56	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--	--
ABANDONED															
MW-1A															
4/3/02	346.10	--	30.95	0.00	315.15	**13,000**	<2,000	**71,000**	**9,800**	**8,900**	**1,700**	**8,900**	**240**	--	0.0148
7/25/02	346.10	--	31.31	0.00	314.79	**41,000**	**4,100**	**100,000**	**11,000**	**11,000**	**2,000**	**10,000**	**490**	--	--
10/10/02	346.10	31.32	32.05	0.73	314.63	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
2/1/03	346.10	31.00	31.99	0.99	314.90	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
4/7/03	346.10	30.93	31.94	1.01	314.97	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
7/17/03	346.10	31.11	32.14	1.03	314.78	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
10/15/03	346.10	31.18	32.18	1.00	314.72	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
1/19/04	346.10	29.92	30.81	0.89	316.00	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
4/21/04	346.10	30.96	31.81	0.85	314.97	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
7/28/04	346.10	31.22	32.15	0.93	314.69	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
9/1/04	346.10	33.06	33.61	0.55	312.93	--	--	--	--	--	--	--	--	--	--
9/24/04	346.10	30.23	31.26	0.93	315.58	--	--	--	--	--	--	--	--	--	--
10/12/04	346.10	33.04	33.61	0.56	312.94	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
10/26/04	346.10	30.23	31.13	0.90	315.69	--	--	--	--	--	--	--	--	--	--
11/30/04	346.10	29.90	30.76	0.86	316.03	--	--	--	--	--	--	--	--	--	--

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915 East Roy Street
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Concentrations reported in µg/L unless otherwise noted

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	T. Lead	D. Lead (mg/L)
MW-1A (cont)															
1/5/05	346.10	32.80	33.20	0.40	313.22	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
3/2/05	346.10	32.79	33.42	0.63	313.18	--	--	--	--	--	--	--	--	--	--
3/16/05	346.10	32.72	33.31	0.59	313.26	--	--	--	--	--	--	--	--	--	--
5/9/05	346.10	32.60	33.00	0.40	313.42	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
5/21/05	346.10	32.54	32.93	0.39	313.48	--	--	--	--	--	--	--	--	--	--
8/4/05	346.10	32.66	33.00	0.34	313.37	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
8/29/05	346.10	33.10	33.53	0.43	312.91	--	--	--	--	--	--	--	--	--	--
10/6/05	346.10	32.85	33.35	0.50	313.15	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
10/11/05	346.10	32.33	32.72	0.39	313.69	--	--	--	--	--	--	--	--	--	--
2/1/06	346.10	30.61	31.09	0.48	315.39	--	--	--	--	--	--	--	--	--	--
3/4/06	346.10	32.84	33.29	0.45	313.17	--	--	--	--	--	--	--	--	--	--
6/5/06	346.10	33.05	33.49	0.44	312.96	--	--	--	--	--	--	--	--	--	--
8/28/06	346.10	31.81	32.05	0.24	314.24	--	--	--	--	--	--	--	--	--	--
10/26/06	346.10	32.08	32.29	0.21	313.98	--	--	--	--	--	--	--	--	--	--
1/12/07	346.10	31.57	31.77	0.20	314.49	--	--	--	--	--	--	--	--	--	--
4/5/07	346.10	31.64	31.85	0.21	314.42	--	--	--	--	--	--	--	--	--	--
7/18/07	346.10	32.63	32.73	0.10	313.45	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
10/11/07	346.10	32.92	33.21	0.29	313.12	--	--	--	--	--	--	--	--	--	--
1/22/08	346.10	31.33	31.59	0.26	314.72	--	--	--	--	--	--	--	--	--	--
4/2/08	346.10	31.93	31.96	0.03	314.16	--	--	--	--	--	--	--	--	--	--
7/18/08	346.10	32.39	32.67	0.28	313.65	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
10/1/08	346.10	33.04	33.34	0.30	313.00	--	--	--	--	--	--	--	--	--	--
1/15/09	346.10	31.59	31.74	0.15	314.48	--	--	--	--	--	--	--	--	--	--
4/2/09	346.10	31.72	31.85	0.13	314.35	--	--	--	--	--	--	--	--	--	--
7/16/09	346.10	32.13	32.35	0.22	313.93	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
10/1/09	346.10	32.60	32.71	0.11	313.48	--	--	--	--	--	--	--	--	--	--
1/7/10	346.10	32.05	32.06	0.01	314.05	--	--	--	--	--	--	--	--	--	--
4/8/10	346.10	32.13	31.97	0.84	314.80	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
7/23/10	346.10	32.36	32.39	0.03	313.73	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
10/21/10	346.10	33.54	33.89	0.35	312.49	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
1/10/11	346.10	33.92	34.31	0.39	312.10	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
4/22/11	346.10	33.95	34.37	0.42	312.07	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
7/12/11	346.10	34.65	34.87	0.22	311.41	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
10/18/11	346.10	35.65	35.96	0.31	310.39	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
1/4/12	346.10	36.00	36.25	0.25	310.05	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
4/6/12	346.10	35.60	36.80	1.20	310.26	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--

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MW-1A (cont)															
7/13/12	346.10	36.73	--[7]	--[7]	--[7]	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
10/26/12	346.10	37.10	--[7]	--[7]	--[7]	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
12/16/12[8]	346.10	35.89	35.95	0.06	310.20	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
12/17/12[8]	346.10	--	36.78	0.00	309.32	**710**	280	**14,000**	**2,600**	**1,000**	510	**1,300**	--	--	--
1/2/13	346.10	--	35.70	--	310.40	**2,400**	<700	**35,000**	**3,700**	**3,400**	530	**5,200**	**160**	--	--
4/5/13	346.10	37.02	37.06	0.04	309.07	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
7/24/13	346.10	35.00	35.02	0.02	311.10	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
10/9/13	346.10	34.86	34.88	0.02	311.24	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
1/23/14	346.10	--	34.75	--	311.35	**1,100**	150	**37,000**	**5,100**	**4,000**	**1,000**	**4,200**	250/<5[9]	--	--
4/23/14	346.10	--	33.48	--	312.62	**7,900**	**720**	**56,000**	**5,000**	**5,600**	**1,000**	**7,400**	<390	--	--
7/24/14	346.10	--	33.31	--	312.79	**18,000**	**1,100**	**52,000**	**4,600**	**4,700**	**1,100**	**6,600**	<260	--	--
10/22/14	346.10	--	34.93	--	311.17	**580**	<69	320	<0.5	<0.5	0.8	2.7	<2.5	--	--
1/26/15	346.10	--	34.80	--	311.30	51	<68	300	**6.9**	1.0	3.2	10	<5.0	--	--
7/20/15	346.10	--	36.14	--	309.96	**8,800**	**760**	**60,000**	**5,100**	**7,100**	**1,000**	**8,500**	<63	--	--
1/18/16	346.10	--	30.97	--	315.13	**11,000**	<660	**92,000**	**3,200**	**6,100**	**1,000**	**8,600**	<130	--	--
7/18/16	346.10	--	31.30	--	314.80	**2,500**	370	**37,000**	**3,600**	**3,200**	**1,000**	**4,200**	<50	--	--
1/19/17	346.10	--	31.31	--	314.79	**2,800**	380	**71,000**	**3,400**	**4,900**	**1,000**	**6,300**	<50	--	--
7/12/17	346.10	--	32.09	--	314.01	**12,000**	<3,400	**58,000**	**5,100**	**8,400**	**1,100**	**8,400**	<130	--	--
1/18/18	346.10	--	32.49	--	313.61	**11,000**	**1,500**	**34,000**	**1,800**	**1,600**	**860**	**3,000**	<13		
MW-2															
9/19/92	96.75	--	30.64	--	66.11	ND	ND	**8,750**	**3,800**	159	**1,500**	216	--	ND	--
2/18/93	96.75	--	32.10	--	64.65	--	--	**8,370**	**4,500**	145	561	326	--	--	--
5/10/93	96.75	--	30.00	--	66.75	--	--	**11,000**	**4,400**	190	**1,400**	670	--	--	--
11/16/93	99.25	--	30.77	--	68.48	--	--	**13,900**	**4,670**	698	**1,170**	866	--	--	--
2/16/94	99.25	--	30.56	--	68.69	--	--	**17,900**	**4,700**	850	**1,740**	**1,900**	--	--	--
5/25/94	99.25	--	30.58	--	68.67	--	--	**14,900**	**2,600**	501	**951**	**1,240**	--	--	--
8/24/94	99.25	--	30.78	--	68.47	--	--	**16,100**	**5,000**	592	**1,840**	**1,450**	--	--	--
11/15/94	99.25	--	30.70	--	68.55	--	--	**46,000**	**5,100**	**1,300**	**2,500**	**4,900**	--	--	--
2/3/95	99.25	--	30.35	--	68.90	--	--	**48,000**	**3,700**	**1,600**	**1,200**	**3,700**	--	**15**	--
4/24/95	99.25	--	30.16	--	69.09	--	--	**42,000**	**4,100**	930	**1,000**	**5,300**	--	9.6	--
7/7/95	99.25	--	30.53	--	68.72	--	--	**28,000**	**3,800**	900	**1,700**	**3,500**	--	--	--
10/30/95	99.25	--	30.42	--	68.83	--	--	**54,000**	**3,200**	**1,000**	**2,200**	**7,700**	--	2.8	--
1/5/96	99.25	--	30.26	--	68.99	--	--	**44,000**	**2,300**	540	**1,700**	**4,100**	--	--	--
4/11/96	99.25	--	30.30	--	68.95	--	--	**46,000**	**2,100**	510	**1,100**	**3,300**	--	--	--
7/8/96	99.25	--	29.50	--	69.75	--	--	**1,260**	**37.8**	252	25.0	7.95	--	--	--
10/2/96	99.25	--	31.10	--	68.15	--	--	**103,000**	**1,740**	109	**1,400**	693	--	--	--
2/7/97	99.25	--	30.12	--	69.13	--	--	**18,200**	**873**	87.4	636	705	--	--	--

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TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS [1]
FORMER CHEVRON SERVICE STATION NO. 90123
915 East Roy Street
Seattle, Washington
Concentrations reported in µg/L unless otherwise noted

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	T. Lead	D. Lead (mg/L)
MW-2 (cont)															
2/13/98	99.25	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--	--
5/31/99	99.25	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--	--
ABANDONED															
MW-3															
9/19/92	95.53	--	29.44	--	66.09	ND	ND	680	**184**	18	31	22	--	ND	--
2/18/93	95.53	--	29.00	--	66.53	--	--	**970**	**171**	17	36	22	--	--	--
5/10/93	95.53	--	29.20	--	66.33	--	--	**1,670**	**266**	30	94	47	--	--	--
11/16/93	98.04	--	29.56	--	68.48	--	--	**1,180**	**206**	21	32	22	--	--	--
2/16/94	98.04	--	29.34	--	68.70	--	--	626	**168**	11	20	16	--	--	--
5/25/94	98.04	--	29.37	--	68.67	--	--	**1,120**	**268**	20	48	32	--	--	--
8/24/94	98.04	--	29.57	--	68.47	--	--	**1,110**	**279**	27	34	27	--	--	--
11/15/94	98.04	--	29.52	--	68.52	--	--	**2,130**	**85.7**	22	21	41	--	--	--
2/3/95	98.04	--	29.20	--	68.84	--	--	**11,000**	**1,300**	330	410	**1,000**	--	ND	--
4/24/95	98.04	--	28.97	--	69.07	--	--	**7,500**	**1,100**	46	400	340	--	4.4	--
7/7/95	98.04	--	29.32	--	68.72	--	--	**2,500**	**430**	14	120	45	--	--	--
10/30/95	98.04	--	29.38	--	68.66	--	--	**2,300**	**320**	17	93	68	--	ND	--
1/5/96	98.04	--	29.00	--	69.04	--	--	**12,000**	**720**	71	540	790	--	--	--
4/11/96	98.04	--	29.54	--	68.50	--	--	**3,000**	**300**	15	160	66	--	--	--
7/8/96	98.04	--	29.75	--	68.29	--	--	461	**51.6**	4.55	10.0	15.8	--	--	--
10/2/96	98.04	--	30.10	--	67.94	--	--	786	**8.06**	1.04	6.29	2.44	--	--	--
2/7/97	98.04	--	29.35	--	68.69	--	--	662	**12.5**	1.01	14.3	11.4	--	--	--
2/13/98	98.04	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--	--
5/31/99	98.04	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--	--
ABANDONED															
MW-4															
11/16/93	100.52	--	29.90	--	70.62	--	--	ND	ND	ND	ND	ND	--	--	--
2/16/94	100.52	--	30.40	--	70.12	--	--	ND	ND	ND	ND	ND	--	--	--
MW-4 (cont)															
5/25/94	100.52	--	30.58	--	69.94	--	--	ND	ND	ND	ND	ND	--	--	--
8/24/94	100.52	--	30.72	--	69.80	--	--	ND	ND	ND	ND	ND	--	--	--
11/15/94	100.52	--	31.00	--	69.52	--	--	ND	ND	ND	ND	1.0	--	--	--
2/3/95	100.52	--	31.05	--	69.47	--	--	ND	ND	ND	ND	ND	--	ND	--
4/24/95	100.52	--	30.92	--	69.60	--	--	ND	ND	ND	ND	ND	--	ND	--
7/7/95	100.52	--	30.70	--	69.82	--	--	ND	ND	ND	ND	ND	--	--	--
10/30/95	100.52	--	30.78	--	69.74	--	--	ND	ND	ND	ND	ND	--	ND	--
1/5/96	100.52	--	31.09	--	69.43	--	--	ND	ND	ND	ND	ND	--	--	--
4/11/96	100.52	--	31.12	--	69.40	--	--	ND	ND	ND	ND	ND	--	--	--
7/8/96	100.52	--	29.35	--	71.17	--	--	--	--	--	--	--	--	--	--

TABLE 1
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FORMER CHEVRON SERVICE STATION NO. 90123
915 East Roy Street
Seattle, Washington
Concentrations reported in µg/L unless otherwise noted

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	T. Lead	D. Lead (mg/L)
10/2/96	100.52	--	30.95	--	69.57	--	--	--	--	--	--	--	--	--	--
2/7/97	100.52	--	31.12	--	69.40	--	--	--	--	--	--	--	--	--	--
2/13/98	100.52	--	30.10	--	70.42	--	--	ND	ND	ND	ND	ND	--	--	--
5/31/99	100.52	--	30.36	--	70.16	--	--	ND	ND	ND	ND	ND	--	--	--
1/27/01	100.52	--	31.31	--	69.21	ND	ND	ND	ND	ND	ND	ND	ND	--	0.233
4/12/01	100.52	--	31.81	--	68.71	<552	<1,660	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00	--	--
7/21/01	100.52	--	32.14	--	68.38	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00	--	--
10/16/01	100.52	--	31.64	--	68.88	**549**	**584**	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00	--	--
1/25/02	100.52	--	32.09	--	68.43	<250	<750	<100	2.73	<2.00	<1.00	<1.50	<5.00	--	--
4/3/02	100.52	--	31.65	--	68.87	--	--	--	--	--	--	--	--	--	--
7/25/02	100.52	--	32.03	--	68.49	--	--	--	--	--	--	--	--	--	--
10/10/02	100.52	--	32.31	--	68.21	--	--	--	--	--	--	--	--	--	--
2/1/03	100.52	--	32.06	--	68.46	--	--	--	--	--	--	--	--	--	--
4/7/03	100.52	--	31.97	--	68.55	--	--	--	--	--	--	--	--	--	--
7/17/03	100.52	--	32.21	--	68.31	--	--	--	--	--	--	--	--	--	--
10/15/03	100.52	--	32.36	--	68.16	--	--	--	--	--	--	--	--	--	--
1/19/04	100.52	--	31.84	--	68.68	--	--	--	--	--	--	--	--	--	--
4/21/04	100.52	--	32.35	--	68.17	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/28/04	100.52	--	32.41	--	68.11	--	--	--	--	--	--	--	--	--	--
10/12/04	100.52	--	34.18	--	66.34	--	--	--	--	--	--	--	--	--	--
1/5/05	100.52	--	33.89	--	66.63	SAMPLED ANNUALLY		--	--	--	--	--	--	--	--
5/9/05	100.52	--	32.70	--	67.82	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
8/4/05	100.52	--	32.83	--	67.69	SAMPLED ANNUALLY		--	--	--	--	--	--	--	--
MW-4 (cont)															
10/6/05	100.52	--	33.98	--	66.54	SAMPLED ANNUALLY		--	--	--	--	--	--	--	--
8/28/06	100.52	--	32.19	--	68.33	<81	<100	<48	<0.5	<0.5	<0.5	1.5	<2.5	--	--
7/18/07	100.52	--	31.89	--	68.63	<78	<98	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/11/07	100.52	MONITORED / SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
4/2/08	100.52	MONITORED / SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
7/18/08	100.52	--	32.59	--	67.93	<79	<98	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/1/08	100.52	MONITORED / SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
1/15/09	100.52	MONITORED / SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
4/2/09	100.52	MONITORED / SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
7/16/09	100.52	--	32.51	--	68.01	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/1/09	100.52	MONITORED / SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
1/7/10	100.52	MONITORED / SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
4/8/10	100.52	--	32.75	--	67.77	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/23/10	100.52	--	32.30	--	68.22	<30	210	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--

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Seattle, Washington
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Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	T. Lead	D. Lead (mg/L)
10/21/10	100.52	--	32.25	--	68.27	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/10/11	100.52	--	32.32	--	68.20	90	<71	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
ABANDONED															
MW-4A															
4/22/11	346.92	--	11.74	--	335.18	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/12/11	346.92	--	12.23	--	334.69	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/18/11	346.92	--	13.10	--	333.82	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/4/12	346.92	--	12.25	--	334.67	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
4/6/12	346.92	--	11.75	--	335.17	<34	<79	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/13/12	346.92	--	12.31	--	334.61	<32	<74	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/26/12	346.92	--	12.73	--	334.19	<31	<72	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/2/13	346.92	--	11.74	--	335.18	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
4/5/13	346.92	--	11.72	--	335.20	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/24/13	346.92	--	12.50	--	334.42	<31	<71	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/9/13	346.92	--	12.42	--	334.50	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/23/14	346.92	--	12.47	--	334.45	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
4/23/14	346.92	--	11.84	--	335.08	<30	<71	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/24/14	346.92	--	12.44	--	334.48	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/22/14	346.92	--	12.30	--	334.62	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/26/15	346.92	--	12.52	--	334.40	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
MW-4A (cont)															
7/20/15	346.92	--	12.64	--	334.28	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/18/16	346.92	--	11.81	--	335.11	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/18/16	346.92	--	12.45	--	334.47	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/19/17	346.92	--	11.87	--	335.05	<29	<67	<500	<5	<5	<5	<15	<25	--	--
7/12/17	346.92	--	12.27	--	334.65	53	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/18/18	346.9	--	11.91	--	334.99	51	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5		
MW-5															
11/16/93	100.90	--	40.35	--	60.55	--	--	ND	ND	ND	ND	ND	--	--	--
2/16/94	100.90	--	19.44	--	81.46	--	--	ND	ND	ND	ND	ND	--	--	--
5/25/94	100.90	--	20.10	--	80.80	--	--	ND	ND	ND	ND	ND	--	--	--
8/24/94	100.90	--	19.05	--	81.85	--	--	ND	ND	ND	ND	ND	--	--	--
11/15/94	100.90	--	19.11	--	81.79	--	--	ND	ND	ND	ND	ND	--	--	--
2/3/95	100.90	--	13.63	--	87.27	--	--	ND	ND	ND	ND	ND	--	ND	--
4/24/95	100.90	--	18.42	--	82.48	--	--	ND	ND	ND	ND	ND	--	ND	--
7/7/95	100.90	--	19.55	--	81.35	--	--	ND	ND	ND	ND	ND	--	--	--
10/30/95	100.90	--	30.78	--	70.12	--	--	ND	ND	ND	ND	ND	--	ND	--
1/5/96	100.90	--	16.75	--	84.15	--	--	ND	ND	ND	ND	ND	--	--	--

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Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	T. Lead	D. Lead (mg/L)
4/11/96	100.90	--	13.53	--	87.37	--	--	ND	ND	ND	ND	ND	--	--	--
7/8/96	100.90	--	16.74	--	84.16	--	--	--	--	--	--	--	--	--	--
10/2/96	100.90	--	18.56	--	82.34	--	--	--	--	--	--	--	--	--	--
2/7/97	100.90	--	16.40	--	84.50	--	--	--	--	--	--	--	--	--	--
2/13/98	100.90	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--	--
5/31/99	100.90	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--	--
ABANDONED															
MW-6															
11/21/00	347.10	--	19.60	--	327.50	--	--	--	--	--	--	--	--	--	--
1/27/01	347.10	--	15.36	--	331.74	**2,130**	ND	**6,500**	**35.8**	20.7	247	496	ND	--	0.136
4/12/01	347.10	--	15.11	--	331.99	**1,610**	<1,480	**14,200**	**282**	590	254	860	<5.00	--	--
7/21/01	347.10	--	15.89	--	331.21	**1,790**	<500	**7,380**	**118**	21.6	535	449	16.4	--	--
10/16/01	347.10	--	16.15	--	330.95	**1,150**	<500	**3,350**	**60.9**	4.86	288	32.4	9.58	--	--
1/25/02	347.10	--	14.84	--	332.26	**933**	<750	**11,100**	**54.7**	102	350	627	8.31	--	--
4/3/02	347.10	--	15.74	--	331.36	SAMPLED ANNUALLY		--	--	--	--	--	--	--	--
7/25/02	347.10	--	15.98	--	331.12	SAMPLED ANNUALLY		--	--	--	--	--	--	--	--
10/10/02	347.10	--	16.21	--	330.89	SAMPLED ANNUALLY		--	--	--	--	--	--	--	--
2/1/03	347.10	--	15.81	--	331.29	**4,000**	<510	**5,100**	**42**	3.5	280	29	<5.0	--	--
4/7/03	347.10	--	15.77	--	331.33	SAMPLED ANNUALLY		--	--	--	--	--	--	--	--
7/17/03	347.10	--	15.91	--	331.19	SAMPLED ANNUALLY		--	--	--	--	--	--	--	--
10/15/03	347.10	--	16.35	--	330.75	SAMPLED ANNUALLY		--	--	--	--	--	--	--	--
MW-6 (cont)															
1/19/04	347.10	--	15.77	--	331.33	**1,500**	<250	**4,900**	**25**	3.4	230	44	<2.5	--	--
4/21/04	347.10	--	15.84	--	331.26	SAMPLED ANNUALLY		--	--	--	--	--	--	--	--
7/28/04	347.10	--	16.29	--	330.81	SAMPLED ANNUALLY		--	--	--	--	--	--	--	--
10/12/04	347.10	--	17.91	--	329.19	SAMPLED ANNUALLY		--	--	--	--	--	--	--	--
1/5/05	347.10	--	15.98	--	331.12	<250	<250	**2,100**	**7.9**	1.7	62	5.3	<5.0	--	--
5/9/05	347.10	--	16.61	--	330.49	SAMPLED ANNUALLY		--	--	--	--	--	--	--	--
8/4/05	347.10	--	16.73	--	330.37	SAMPLED ANNUALLY		--	--	--	--	--	--	--	--
10/6/05	347.10	--	16.06	--	331.04	SAMPLED ANNUALLY		--	--	--	--	--	--	--	--
8/28/06	347.10	--	15.94	--	331.16	**890**	<99	**3,200**	4.6	1.4	49	2.4	<2.5	--	--
7/18/07	347.10	--	15.82	--	331.28	**540**	<98	**1,700**	4.7	<2.0	12	3.3	<2.5	--	--
10/11/07	347.10	MONITORED / SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
4/2/08	347.10	MONITORED / SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
7/18/08	347.10	--	15.68	--	331.42	350	<98	**2,200**	4.6	1.2	44	4.6	<2.5	--	--
10/1/08	347.10	MONITORED / SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
1/15/09	347.10	MONITORED / SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
4/2/09	347.10	MONITORED / SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--

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Concentrations reported in µg/L unless otherwise noted

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	T. Lead	D. Lead (mg/L)
7/16/09	347.10	--	15.70	--	331.40	**550**	<69	**2,200**	2.8	1.0	35	4.4	<2.5	--	--
10/1/09	347.10	MONITORED / SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
1/7/10	347.10	MONITORED / SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
4/8/10	347.10	--	15.15	--	331.95	**530**	<69	**2,800**	4.6	1.7	78	4.9	<5.0	--	--
7/23/10	347.10	--	15.54	--	331.56	340	130	**1,900**	2.8	1.0	29	6.5	5	--	--
10/21/10	347.10	--	15.40	--	331.70	390	460	**1,700**	2.3	1.0	40	5.0	<10	--	--
1/10/11	347.10	--	14.48	--	332.62	**820**	<350	**2,800**	1.4	1.2	21	4.9	<2.5	--	--
4/22/11	347.10	--	14.59	--	332.51	**720**	<69	**2,400**	<1.0	2.3	5	4.9	<2.5	--	--
7/12/11	347.10	--	15.36	--	331.74	330	94	**1,400**	<5.0	1	13	<10	<5.0	--	--
10/18/11	347.10	--	15.60	--	331.50	210	<71	**1,500**	1.7	1.1	31	4.0	3.6	--	--
1/4/12	347.10	--	14.80	--	332.30	370	<71	**2,400**	1.8	1.4	29	4.2	3.9	--	--
4/6/12	347.10	--	13.70	--	333.40	**840**	<72	**5,000**	0.8	1.5	15	5.2	3.6	--	--
7/13/12	347.10	--	16.24	--	330.86	210	91	740	1.4	0.6	7.9	<4.0	<2.5	--	--
10/26/12	347.10	--	15.92	--	331.18	68	<72	410	1.1	<2.0	0.8	2.7	<2.5	--	--
1/2/13	347.10	--	14.88	--	332.22	420	<70	**3,100**	2.4	1.3	53	6.9	4.9	--	--
4/5/13	347.10	--	13.66	--	333.44	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/24/13	347.10	--	15.90	--	331.20	90	<71	480	1.3	<2.0	<0.5	1.8	3.6/3[9]	--	--
10/9/13	347.10	--	15.70	--	331.40	130	<69	560	1.3	0.6	3.2	3.2	3.1/2[9]	--	--
MW-6 (cont)															
1/23/14	347.10	--	15.68	--	331.42	80	<67	520	1.0	<0.5	1.3	3.1	4.4/2[9]	--	--
4/23/14	347.10	--	15.08	--	332.02	250	<71	**1,400**	1.5	1	5.9	4.6	<10	--	--
7/24/14	347.10	--	13.86	--	333.24	140	<67	460	1.0	<0.5	0.7	2.8	<2.5	--	--
10/22/14	347.10	--	15.58	--	331.52	120	<67	79	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/26/15	347.10	--	15.73	--	331.37	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/20/15	347.10	--	16.02	--	331.08	89	<67	390	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/18/16	347.10	--	14.85	--	332.25	**530**	<66	**2,700**	2.2	1.6	5.9	3.9	<2.5	--	--
7/18/16	347.10	--	15.89	--	331.21	56	170	270	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/19/17	347.10	--	13.70	--	333.40	94	200	780	0.5	<0.5	1.3	<1.5	<2.5	--	--
7/12/17	347.10	--	15.51	--	331.59	**590**	430	390	0.8	<0.5	18	<1.5	<2.5	--	--
1/18/18	347.10	--	12.92	--	334.18	**610**	230	780	<0.5	<0.5	<0.5	<1.5	<2.5		
MW-7															
11/21/00	345.64	--	28.40	--	317.24	--	--	--	--	--	--	--	--	--	--
1/27/01	345.64	--	30.28	--	315.36	**512**	ND	**2,520**	**42.3**	ND	92.3	42.0	ND	--	0.294
4/12/01	345.64	--	30.31	--	315.33	491	<750	**2,160**	**26.9**	4.41	75.4	20.4	10.2	--	--
7/21/01	345.64	--	30.46	--	315.18	278	<500	**1,920**	**29.9**	2.40	78.7	8.84	5.37	--	--
10/16/01	345.64	--	30.55	--	315.09	**651**	<500	**2,270**	**36.4**	4.76	49.3	18.5	9.73	--	--
1/25/02	345.64	--	29.61	--	316.03	329	<750	**2,190**	**27.3**	3.02	28.7	13.5	17.0	--	--
4/3/02	345.64	--	30.06	--	315.58	SAMPLED ANNUALLY		--	--	--	--	--	--	--	--

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FORMER CHEVRON SERVICE STATION NO. 90123
915 East Roy Street
Seattle, Washington
Concentrations reported in µg/L unless otherwise noted

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	T. Lead	D. Lead (mg/L)
7/25/02	345.64	--	30.46	--	315.18	SAMPLED ANNUALLY		--	--	--	--	--	--	--	--
10/10/02	345.64	--	30.72	--	314.92	SAMPLED ANNUALLY		--	--	--	--	--	--	--	--
2/1/03	345.64	--	30.36	--	315.28	--[4]	--[4]	**1,400**	**9.4**	2.3	38	4.1	<5.0	--	--
4/7/03	345.64	--	30.32	--	315.32	SAMPLED ANNUALLY		--	--	--	--	--	--	--	--
7/17/03	345.64	--	30.53	--	315.11	SAMPLED ANNUALLY		--	--	--	--	--	--	--	--
10/15/03	345.64	--	30.64	--	315.00	SAMPLED ANNUALLY		--	--	--	--	--	--	--	--
1/19/04	345.64	--	30.12	--	315.52	250	<250	**1,200**	<5.0	<2.0	5.1	<6.0	<2.5	--	--
4/21/04	345.64	--	30.40	--	315.24	SAMPLED ANNUALLY		--	--	--	--	--	--	--	--
7/28/04	345.64	--	30.69	--	314.95	SAMPLED ANNUALLY		--	--	--	--	--	--	--	--
10/12/04	345.64	--	32.31	--	313.33	SAMPLED ANNUALLY		--	--	--	--	--	--	--	--
1/5/05	345.64	--	32.03	--	313.61	**1,900**	<1,000	**3,000**	2.6	9.0	10	62	<2.5	--	--
5/9/05	345.64	--	31.79	--	313.85	SAMPLED ANNUALLY		--	--	--	--	--	--	--	--
8/4/05	345.64	--	31.92	--	313.72	<800	<1,000	680	3.1	1.4	2.5	2.1	<2.5	--	--
10/6/05	345.64	--	32.19	--	313.45	<800	<1,000	**800**	**8.3**	2.2	5.1	6.1	<2.5	--	--
8/28/06	345.64	--	31.06	--	314.58	270	<98	**1,100**	**5.6**	1.5	3.3	2.2	<20	--	--
7/18/07	345.64	--	31.84	--	313.80	300	140	**880**	**14**	2.1	2.9	4.1	<20	--	--
10/11/07	345.64	MONITORED / SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
4/2/08	345.64	MONITORED / SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
7/18/08	345.64	--	31.55	--	314.09	98	<96	**1,100**	<5.0	1.2	1.1	3.1	4.7	--	--
MW-7 (cont)															
10/1/08	345.64	MONITORED / SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
1/15/09	345.64	MONITORED / SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
4/2/09	345.64	MONITORED / SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
7/16/09	345.64	--	31.32	--	314.32	160	<70	**1,300**	<5.0	1.2	1.8	3.8	<5.0	--	--
10/1/09	345.64	MONITORED / SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
1/7/10	345.64	MONITORED / SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
4/8/10	345.64	--	30.71	--	314.93	70	<72	660	0.9	0.6	1.1	<5.0	<2.5	--	--
7/23/10	345.64	--	31.52	--	314.12	400	<700	**960**	1.7	0.9	1.6	8	<10	--	--
10/21/10	345.64	--	32.71	--	312.93	360	<700	770	<5.0	<2.0	1.9	4	<10	--	--
1/10/11	345.64	--	32.52	--	313.12	<300	<700	460	1	<2.0	1	6	<2.5	--	--
4/22/11	345.64	--	33.04	--	312.60	93	<76	590	<1.0	<1.0	0.9	3.3	<2.5	--	--
7/12/11	345.64	--	34.07	--	311.57	INSUFFICIENT WATER TO SAMPLE				--	--	--	--	--	--
10/18/11	345.64	--	DRY	--	--	INSUFFICIENT WATER TO SAMPLE				--	--	--	--	--	--
1/4/12	345.64	--	34.42	--	311.22	INSUFFICIENT WATER TO SAMPLE				--	--	--	--	--	--
4/6/12	345.64	--	34.80	--	310.84	INSUFFICIENT WATER TO SAMPLE				--	--	--	--	--	--
7/13/12	345.64	--	34.52	--	311.12	INSUFFICIENT WATER TO SAMPLE				--	--	--	--	--	--
10/26/12	345.64	--	34.90	--	310.74	INSUFFICIENT WATER TO SAMPLE				--	--	--	--	--	--
12/16/12[8]	345.64	--	33.93	--	311.71	45	<72	620	3.2	1.2	1.8	3.7	--	--	--

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Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	T. Lead	D. Lead (mg/L)
12/17/12[8]	345.64	--	33.92	--	311.72	160	480	270	1.4	0.5	1	1.8	--	--	--
1/2/13	345.64	--	--	--	DRY	--	--	--	--	--	--	--	--	--	--
4/5/13	345.64	--	--	--	DRY	--	--	--	--	--	--	--	--	--	--
7/24/13	345.64	--	34.45	--	311.19	INSUFFICIENT WATER TO SAMPLE				--	--	--	--	--	--
10/9/13	345.64	--	34.73	--	310.91	INSUFFICIENT WATER TO SAMPLE				--	--	--	--	--	--
1/23/14	345.64	--	34.96	--	310.68	INSUFFICIENT WATER TO SAMPLE				--	--	--	--	--	--
4/23/14	345.64	--	32.28	--	313.36	47	<67	660	1.2	0.6	1.1	<6.0	<2.5	--	--
7/24/14	345.64	--	32.81	--	312.83	64	<68	**1,200**	<5.0	1.7	3.0	6.4	<10	--	--
10/22/14	345.64	--	34.72	--	310.92	INSUFFICIENT WATER TO SAMPLE				--	--	--	--	--	--
1/26/15	345.64	--	34.79	--	310.85	INSUFFICIENT WATER TO SAMPLE				--	--	--	--	--	--
7/20/15	345.64	--	29.62	--	316.02	140	<66	**1,700**	**7.2**	2.4	6.1	11.6	12	--	--
1/18/16	345.64	29.81	29.83	0.02	315.81	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
7/18/16	345.64	--	30.35	--	315.29	32	<66	400	<0.5	<0.5	0.8	1.5	<2.5	--	--
1/19/17	345.64	--	30.08	--	315.56	94	100	620	<1.7	0.9	1	3.8	12	--	--
7/12/17	345.64	--	31.52	--	314.12	<300	<700	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/18/18	345.64	--	26.81	--	318.83	220	150	270	<0.5	<0.5	0.6	2.8	<2.5		
MW-8															
4/3/02	346.01	--	30.33	0.00	315.68	<400	<1,000	<50	0.75	<0.50	0.53	<1.5	<2.5	--	<0.00091
7/25/02	346.01	--	30.82	0.00	315.19	<250	<250	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
10/10/02	346.01	--	31.06	0.00	314.95	<250	<250	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
MW-8 (cont)															
2/1/03	346.01	--	30.81	0.00	315.20	<250	<250	<50	<0.50	0.63	<0.50	<1.5	<2.5	5	--
4/7/03	346.01	--	30.72	0.00	315.29	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/17/03	346.01	--	30.91	0.00	315.10	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/15/03	346.01	--	31.03	0.00	314.98	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/19/04	346.01	--	30.60	0.00	315.41	<250	<250	<50	<0.5	0.5	<0.5	<1.5	<2.5	--	--
4/21/04	346.01	--	30.78	0.00	315.23	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/28/04	346.01	--	31.06	0.00	314.95	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/12/04	346.01	--	32.81	0.00	313.20	<800	<1,000	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/5/05	346.01	--	32.51	0.00	313.50	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
5/9/05	346.01	--	32.29	0.00	313.72	<800	<1,000	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
8/4/05	346.01	--	32.33	0.00	313.68	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/6/05	346.01	--	32.58	0.00	313.43	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
8/28/06	346.01	--	31.44	0.00	314.57	<81	<100	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/18/07	346.01	--	32.25	0.00	313.76	<78	<98	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/11/07	346.01	MONITORED / SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
4/2/08	346.01	MONITORED / SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
7/18/08	346.01	--	31.98	0.00	314.03	<78	<98	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--

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Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	T. Lead	D. Lead (mg/L)
10/1/08	346.01	MONITORED / SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
1/15/09	346.01	MONITORED / SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
4/2/09	346.01	MONITORED / SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
7/16/09	346.01	INACCESSIBLE	--	--	--		--	--	--	--	--	--	--	--	--
10/1/09	346.01	MONITORED / SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
1/7/10	346.01	MONITORED / SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
4/8/10	346.01	--	31.48	--	314.53	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/23/10	346.01	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--
10/21/10	346.01	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--
1/10/11	346.01	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--
4/22/11	346.01	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--
7/12/11	346.01	--	34.53	--	311.48	310	<700	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/18/11	346.01	--	DRY	--	--	INSUFFICIENT WATER TO SAMPLE			--	--	--	--	--	--	--
1/4/12	346.01	--	37.25	--	308.76	INSUFFICIENT WATER TO SAMPLE			--	--	--	--	--	--	--
4/6/12	346.01	--	37.75	--	308.26	INSUFFICIENT WATER TO SAMPLE			--	--	--	--	--	--	--
7/13/12	346.01	--	37.90	--	308.11	INSUFFICIENT WATER TO SAMPLE			--	--	--	--	--	--	--
MW-8 (cont)															
10/26/12	346.01	--	37.93	--	308.08	INSUFFICIENT WATER TO SAMPLE			--	--	--	--	--	--	--
12/16/12[8]	346.01	--	35.65	--	310.36	350	**1,700**	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
12/17/12[8]	346.01	--	35.85	--	310.16	<300	**2,300**	<50	0.6	<0.5	<0.5	<1.5	--	--	--
1/2/13	346.01	--	37.73	--	308.28	INSUFFICIENT WATER TO SAMPLE			--	--	--	--	--	--	--
4/5/13	346.01	--	37.73	--	308.28	INSUFFICIENT WATER TO SAMPLE			--	--	--	--	--	--	--
7/24/13	346.01	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--
10/9/13	346.01	--	34.70	--	311.31	<60	<140	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/23/14	346.01	--	34.61	--	311.40	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
4/23/14	346.01	UNABLE TO LOCATE		--	--	--	--	--	--	--	--	--	--	--	--
7/24/14	346.01	UNABLE TO LOCATE		--	--	--	--	--	--	--	--	--	--	--	--
10/22/14	346.01	--	37.59	--	308.42	INSUFFICIENT WATER TO SAMPLE			--	--	--	--	--	--	--
1/26/15	346.01	--	34.63	--	311.38	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/20/15	346.01	--	31.98	--	314.03	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/18/16	346.01	--	28.53	--	317.48	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/18/16	346.01	--	31.15	--	314.86	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/19/17	346.01	--	30.10	--	315.91	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/12/17	346.01	--	31.89	--	314.12	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/18/18	346.01	--	32.27	--	313.74	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5		
MW-9															
7/12/11	343.70	--	32.27	--	311.43	<300	<700	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/18/11	343.70	--	33.60	--	310.10	<300	<700	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS [1]
FORMER CHEVRON SERVICE STATION NO. 90123
915 East Roy Street
Seattle, Washington
Concentrations reported in µg/L unless otherwise noted

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	T. Lead	D. Lead (mg/L)
1/4/12	343.70	--	33.65	--	310.05	<31	<72	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
4/6/12	343.70	--	33.20	--	310.50	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/13/12	343.70	--	33.11	--	310.59	<34	<79	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/26/12	343.70	--	33.73	--	309.97	<30	<71	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/2/13	343.70	--	33.27	--	310.43	<300	<700	52	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
4/5/13	343.70	--	33.32	--	310.38	<30	<71	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/24/13	343.70	--	32.52	--	311.18	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/9/13	343.70	--	32.42	--	311.28	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/23/14	343.70	--	32.30	--	311.40	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
4/23/14	343.70	--	31.02	--	312.68	<30	<71	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/24/14	343.70	--	30.89	--	312.81	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/22/14	343.70	--	32.31	--	311.39	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/26/15	343.70	--	32.35	--	311.35	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/20/15	343.70	--	29.67	--	314.03	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/18/16	343.70	--	28.53	--	315.17	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/18/16	343.70	--	29.97	--	313.73	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/19/17	343.70	--	28.90	--	314.80	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/12/17	343.70	--	29.62	--	314.08	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/18/18	343.70	--	30.04	--	313.66	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5		
MW-10															
7/12/11	346.61	--	11.88	--	334.73	<300	<700	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/18/11	346.61	--	12.80	--	333.81	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/4/12	346.61	--	12.30	--	334.31	<31	<72	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
4/6/12	346.61	--	11.70	--	334.91	<32	<75	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/13/12	346.61	--	14.55	--	332.06	<31	<73	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/26/12	346.61	--	12.65	--	333.96	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/2/13	346.61	--	11.73	--	334.88	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
4/5/13	346.61	--	11.67	--	334.94	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/24/13	346.61	--	11.80	--	334.81	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/9/13	346.61	--	12.30	--	334.31	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/23/14	346.61	--	12.17	--	334.44	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
4/23/14	346.61	--	11.56	--	335.05	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/24/14	346.61	--	12.11	--	334.50	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/22/14	346.61	--	12.18	--	334.43	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/26/15	346.61	--	12.22	--	334.39	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/20/15	346.61	--	12.34	--	334.27	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/18/16	346.61	--	11.81	--	334.80	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/18/16	346.61	--	11.98	--	334.63	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS [1]
FORMER CHEVRON SERVICE STATION NO. 90123
915 East Roy Street
Seattle, Washington
Concentrations reported in µg/L unless otherwise noted

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	T. Lead	D. Lead (mg/L)
1/19/17	346.61	--	11.60	--	335.01	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/12/17	346.61	--	11.99	--	334.62	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/18/18	346.61	--	11.99	--	334.62	59	93	<50	<0.5	<0.5	<0.5	<1.5	<2.5		
MW-11															
7/12/11	346.95	--	14.10	--	332.85	<300	<700	<50	<0.5	<0.5	<0.5	<1.5	2.9	--	--
10/18/11	346.95	--	14.40	--	332.55	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/4/12	346.95	--	13.60	--	333.35	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
4/6/12	346.95	--	12.90	--	334.05	<31	<71	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/13/12	346.95	--	14.38	--	332.57	<31	<73	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/26/12	346.95	--	14.51	--	332.44	<30	<71	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/2/13	346.95	--	13.10	--	333.85	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
4/5/13	346.95	--	12.83	--	334.12	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/24/13	346.95	--	14.25	--	332.70	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/9/13	346.95	--	13.99	--	332.96	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/23/14	346.95	--	13.98	--	332.97	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
4/23/14	346.95	--	13.29	--	333.66	<30	<71	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/24/14	346.95	--	14.20	--	332.75	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/22/14	346.95	--	13.88	--	333.07	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/26/15	346.95	--	14.01	--	332.94	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/20/15	346.95	--	14.29	--	332.66	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
MW-11 (cont)															
1/18/16	346.95	--	12.22	--	334.73	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/18/16	346.95	--	14.20	--	332.75	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/19/17	346.95	--	13.07	--	333.88	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/12/17	346.95	--	14.03	--	332.92	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/18/18	346.95	--	13.07	--	333.88	47	72	<50	<0.5	<0.5	<0.5	<1.5	<2.5		
TRIP BLANK															
2/13/98	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
5/31/99	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
1/27/01	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--
4/12/01	--	--	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00	--	--
7/21/01	--	--	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00	--	--
10/16/01	--	--	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00	--	--
1/25/02	--	--	--	--	--	--	--	<100	<0.500	<2.00	<1.00	<1.50	<5.00	--	--
4/3/02	--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
7/25/02	--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
QA															
10/10/02	--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--

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FORMER CHEVRON SERVICE STATION NO. 90123
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Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	T. Lead	D. Lead (mg/L)
2/1/03	--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
4/7/03	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/17/03	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/15/03	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/19/04	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
4/21/04	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/28/04	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/12/04	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/5/05	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
5/9/05	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
8/4/05	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/6/05	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
8/28/06	--	--	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/18/07	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/18/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/16/09	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
4/8/10	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/23/10	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/21/10	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
QA (cont)															
1/10/11	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
4/22/11	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/12/11	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
10/18/11	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/4/12	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
4/6/12	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/13/12	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/26/12	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/2/13	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
4/5/13	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/24/13	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/9/13	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/23/14	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
4/23/14	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/24/14	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/22/14	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/26/15	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/20/15	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--

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GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS [1]
FORMER CHEVRON SERVICE STATION NO. 90123
915 East Roy Street
Seattle, Washington
Concentrations reported in µg/L unless otherwise noted

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	T. Lead	D. Lead (mg/L)
1/18/16	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/18/16	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/19/17	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/12/17	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
Standard Laboratory Reporting Limits:						--	--	50	0.5	0.5	0.5	1.5	2.5	--	0.00100
MTCA Method A Cleanup Levels:						500	500	800/1,000	5	1,000	700	1,000	20	15	--
Current Method:[5]						NWTPH-Dx Extended[6]		NWTPH-Gx	USEPA 8021B					USEPA 6020	USEPA 7421

Abbreviations:

(D) = Duplicate
D. Lead = Dissolved Lead
DTP = Depth to Product
DTW = Depth to Water
(ft.) = Feet
GWE = Groundwater Elevation
µg/L = Micrograms per liter
mg/L = milligrams per liter
MTBE = Methyl Tertiary Butyl Ether
MTCA = Model Toxics Control Act
ND = Not Detected
QA = Quality Assurance/Trip Blank
SPH = Separate-phase hydrocarbons
SPHT = SPH Thickness
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
-- = Not Measured/Not Analyzed

Notes:

1 Analytical results in bold font indicate concentrations exceed MTCA Method A cleanup levels.
2 TOC elevations have been surveyed in feet relative to the 1988 North American Vertical Datum as of April 2011.
3 When SPH is present, GWE has been corrected using the following formula: GWE = [(TOC - DTW) + (SPHT x 0.80)].
4 Samples for TPH-DRO and TPH-HRO were not received by laboratory.
5 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.
6 Analyzed without silica-gel clean up.
7 Unable to measure interface of product and water. GWE could not be determined.
8 Groundwater samples collected during the December 2012 surfactant injection activities
9 MTBE detection confirmed by USEPA Method 8260.

TABLE 2
JOINT GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER CHEVRON SERVICE STATION NO. 90123
915 East Roy Street
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTW (ft.)	GWE (ft.)	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-13											
05/26/99		344.85	48.70	296.15	--	--	--	--	--	--	--
08/16/99		344.85	49.25	295.60	--	--	--	--	--	--	--
10/27/99		344.85	49.88	294.97	--	--	--	--	--	--	--
02/17/00		344.85	50.19	294.66	--	--	--	--	--	--	--
05/19/00		344.85	49.17	295.68	--	--	--	--	--	--	--
08/24/00		344.85	49.71	295.14	--	--	--	--	--	--	--
07/22/04		344.85	50.59	294.26	**4,640**	3.94	152	12.1	484	--	--
12/28/04		344.85	51.23	293.62	**6,190**	**5.81**	166	11.2	388	--	--
02/11/05		344.85	51.10	293.75	--	--	--	--	--	--	--
03/25/05		344.85	51.09	293.76	**6,640**	**5.23**	180	8.73	485	--	--
06/23/05		344.85	51.02	293.83	**6,260**	**6.67**	191	13.3	527	--	--
09/20/05		344.85	51.32	293.53	**15,900**	**13.2**	462	28.2	**1,210**	--	--
12/15/05		344.85	51.72	293.13	**10,700**	**10.8**	381	16.6	778	--	--
03/15/06		344.85	50.90	293.95	**3,720**	3.32	96	6.76	243	--	--
06/15/06		344.85	50.41	294.44	**4,980**	<2.50	175	11.3	608	--	<1.00
09/22/06		344.85	51.29	293.56	**4,060**	**12.4**	108	29.4	433	--	--
06/06/07		344.85	50.49	294.36	**860**	<0.5	1	37	46	<0.5	--
09/21/07		344.85	51.25	293.60	**7,000**	2[3]	8	220	750	<0.5	--
12/04/07		344.85	51.38	293.47	**5,700**	2[3]	7	240	500	<0.5	--
03/17/08		344.85	50.66	294.19	**2,100**	0.9[3]	3[3]	7	102	<0.5	--
06/22/08		344.85	51.12	293.73	**6,000**	2[3]	8	270	500	<0.5	--
09/29/08	LFP	344.85	51.63	293.22	**14,000**	2[3]	12	290	**1,060**	<0.5	--
12/11/08	LFP	344.85	51.91	292.94	**12,000**	2[3]	8	280	720	<0.5	--
03/19/09	LFP	344.85	52.00	292.85	**25,000**	2[3]	14	340	**1,140**	<0.5	--
04/08/10		344.85	51.22	293.63	--	--	--	--	--	--	--
07/23/10		344.85	50.87	293.98	--	--	--	--	--	--	--
10/21/10		344.85	51.20	293.65	--	--	--	--	--	--	--
01/10/11		344.85	50.67	294.18	--	--	--	--	--	--	--
04/22/11		344.85	49.99	294.86	--	--	--	--	--	--	--
07/12/11		344.85	50.11	294.74	--	--	--	--	--	--	--
10/18/11		344.85	50.95	293.90	--	--	--	--	--	--	--
01/04/12		344.85	50.75	294.10	--	--	--	--	--	--	--
04/06/12		344.85	51.00	293.85	--	--	--	--	--	--	--
07/13/12		344.85	52.40	292.45	--	--	--	--	--	--	--
10/26/12		344.85	51.41	293.44	--	--	--	--	--	--	--
01/02/13		344.85	51.78	293.07	--	--	--	--	--	--	--
04/05/13		344.85	50.94	293.91	--	--	--	--	--	--	--
07/24/13		344.85	50.49	294.36	--	--	--	--	--	--	--
10/09/13		344.85	50.78	294.07	--	--	--	--	--	--	--
01/23/14		344.85	51.53	293.32	--	--	--	--	--	--	--
04/23/14		344.85	51.89	292.96	--	--	--	--	--	--	--
07/24/14		344.85	50.59	294.26	--	--	--	--	--	--	--
10/22/14		344.85	50.81	294.04	--	--	--	--	--	--	--
01/26/15		344.85	51.60	293.25	--	--	--	--	--	--	--
07/20/15		344.85	51.70	293.15	--	--	--	--	--	--	--
01/18/16		344.85	51.10	293.75	--	--	--	--	--	--	--
07/18/16		344.85	49.87	294.98	--	--	--	--	--	--	--
01/19/17		344.85	51.29	293.56	--	--	--	--	--	--	--
07/12/17		344.85	51.44	293.41	--	--	--	--	--	--	--
01/18/18		344.85	52.02	292.83	--	--	--	--	--	--	--
MW-14											
05/26/99		336.88	44.40	292.48	--	--	--	--	--	--	--
08/16/99		336.88	45.20	291.68	--	--	--	--	--	--	--
10/27/99		336.88	46.00	290.88	--	--	--	--	--	--	--
02/17/00		336.88	47.17	289.71	--	--	--	--	--	--	--
05/19/00		336.88	47.20	289.68	--	--	--	--	--	--	--

TABLE 2
JOINT GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER CHEVRON SERVICE STATION NO. 90123
915 East Roy Street
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTW (ft.)	GWE (ft.)	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-14 (cont)											
08/24/00		336.88	44.35	292.53	--	--	--	--	--	--	--
07/22/04		336.88	47.24	289.64	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
12/28/04		336.88	47.55	289.33	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
02/11/05		336.88	47.26	289.62	--	--	--	--	--	--	--
03/25/05		336.88	47.46	289.42	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
06/23/05		336.88	47.16	289.72	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
09/20/05		336.88	47.82	289.06	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
12/1/5/05		336.88	48.53	288.35	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
03/15/06		336.88	46.41	290.47	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
06/15/06		336.88	46.83	290.05	<50.0	<0.500	<0.500	<0.500	<1.00	--	<1.00
09/22/06		336.88	47.98	288.90	--	--	--	--	--	--	--
09/21/07		336.88	47.85	289.03	--	--	--	--	--	--	--
12/04/07		336.88	48.37	288.51	--	--	--	--	--	--	--
03/17/08		336.88	47.35	289.53	--	--	--	--	--	--	--
06/22/08		336.88	47.73	289.15	--	--	--	--	--	--	--
09/29/08[4]	LFP	336.88	48.43	288.45	--	--	--	--	--	--	--
12/11/08		336.88	48.77	288.11	SAMPLED SEMIANNUALLY			--	--	--	--
03/19/09		336.88	49.24	287.64	--	--	--	--	--	--	--
NOT MONITORED/NOT SAMPLED					--	--	--	--	--	--	--
MW-19A											
02/11/05		345.95	52.19	293.76	**11,800**	**16.5**	677	17.7	907	--	--
03/25/05		345.95	52.19	293.76	**14,700**	**34.5**	**1,330**	30.1	**1,020**	--	--
06/23/05		345.95	52.12	293.83	**19,400**	**22.7**	**1,400**	25.9	**1,120**	--	--
09/20/05		345.95	52.41	293.54	**21,600**	**23.8**	**1,350**	55.6	943	--	--
12/15/05		345.95	52.83	293.12	**15,400**	**24.2**	**1,360**	36.2	878	--	--
03/15/06		345.95	51.00	294.95	**15,400**	**28.5**	**1,230**	35.2	649	--	--
06/15/06		345.95	51.50	294.45	**11,700**	**21.2**	940	29.5	484	--	<1.00
09/22/06		345.95	52.38	293.57	**10,400**	**20.4**	802	41.4	554	--	--
06/06/07		345.95	51.58	294.37	**4,200**	4	4	200	126	<0.5	--
09/21/07		345.95	52.33	293.62	**13,000**	**15**	35	**870**	790	<0.5	--
12/04/07		345.95	52.47	293.48	**11,000**	**19**	16	**920**	315	<0.5	--
03/17/08		345.95	51.77	294.18	**9,500**	**14**	22	**860**	697	<0.5	--
06/22/08		345.95	52.21	293.74	**5,000**	**7**	17	160	613	<0.5	--
09/29/08	LFP	345.95	52.72	293.23	**18,000**	**13**	23	**820**	725	<1	--
12/11/08	LFP	345.95	53.00	292.95	**18,000**	**9**	21	640	807	<1	--
03/19/09	LFP	345.95	53.09	292.86	**11,000**	**14**	12	**780**	304	<0.5	--
04/08/10		345.95	52.32	293.63	--	--	--	--	--	--	--
07/23/10		345.95	51.96	293.99	--	--	--	--	--	--	--
10/21/10		345.95	52.29	293.66	--	--	--	--	--	--	--
01/10/11		345.95	52.01	293.94	--	--	--	--	--	--	--
04/22/11		345.95	51.08	294.87	--	--	--	--	--	--	--
07/12/11		345.95	51.20	294.75	--	--	--	--	--	--	--
10/18/11		345.95	52.05	293.90	--	--	--	--	--	--	--
01/04/12		345.95	51.84	294.11	--	--	--	--	--	--	--
04/06/12		345.95	52.10	293.85	--	--	--	--	--	--	--
07/13/12		345.95	53.72	292.23	--	--	--	--	--	--	--
10/26/12		345.95	52.53	293.42	--	--	--	--	--	--	--
01/02/13		345.95	52.75	293.20	--	--	--	--	--	--	--
04/05/13		345.95	52.03	293.92	--	--	--	--	--	--	--
07/24/13		345.95	51.56	294.39	--	--	--	--	--	--	--
10/09/13		345.95	51.88	294.07	--	--	--	--	--	--	--
01/23/14		345.95	52.65	293.30	--	--	--	--	--	--	--
04/23/14		345.95	51.98	293.97	--	--	--	--	--	--	--
07/24/14		345.95	51.67	294.28	--	--	--	--	--	--	--

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FORMER CHEVRON SERVICE STATION NO. 90123
915 East Roy Street
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTW (ft.)	GWE (ft.)	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-19A (cont)											
10/22/14		345.95	51.86	294.09	--	--	--	--	--	--	--
01/26/15		345.95	52.72	293.23	--	--	--	--	--	--	--
07/20/15		345.95	52.87	293.08	--	--	--	--	--	--	--
01/18/16		345.95	52.07	293.88	--	--	--	--	--	--	--
07/18/16		345.95	50.95	295.00	--	--	--	--	--	--	--
01/19/17		345.95	50.90	295.05	--	--	--	--	--	--	--
07/12/17		345.95	50.98	294.97	--	--	--	--	--	--	--
01/18/18		345.95	50.59	295.36	--	--	--	--	--	--	--
MW-20											
12/28/04		347.03	53.52	293.51	**805**	2.37	1.58	0.730	2.27	--	--
02/11/05		347.03	53.25	293.78	--	--	--	--	--	--	--
03/25/05		347.03	53.21	293.82	439	1.01	0.877	<0.500	1.35	--	--
06/23/05		347.03	53.17	293.86	125	0.726	<0.500	<0.500	<1.00	--	--
09/20/05		347.03	53.48	293.55	249	0.804	0.544	<0.500	<1.00	--	--
12/15/05		347.03	53.58	293.45	346	1.49	<0.500	<0.500	<1.00	--	--
03/15/06		347.03	52.06	294.97	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
06/15/06		347.03	52.57	294.46	<50.0	<0.500	<0.500	<0.500	<1.00	--	<1.00
09/22/06		347.03	53.44	293.59	--	--	--	--	--	--	--
09/21/07		347.03	53.39	293.64	--	--	--	--	--	--	--
12/04/07		347.03	53.52	293.51	--	--	--	--	--	--	--
03/17/08		347.03	52.84	294.19	--	--	--	--	--	--	--
06/22/08		347.03	53.28	293.75	--	--	--	--	--	--	--
09/29/08[4]	LFP	347.03	53.76	293.27	--	--	--	--	--	--	--
12/11/08		347.03	54.07	292.96	SAMPLED SEMIANNUALLY			--	--	--	--
03/19/09		347.03	54.16	292.87	--	--	--	--	--	--	--
04/08/10		347.03	53.40	293.63	--	--	--	--	--	--	--
07/23/10		347.03	53.02	294.01	--	--	--	--	--	--	--
10/21/10		347.03	53.34	293.69	--	--	--	--	--	--	--
01/10/11		347.03	52.98	294.05	--	--	--	--	--	--	--
04/22/11		347.03	52.13	294.90	--	--	--	--	--	--	--
07/12/11		347.03	52.26	294.77	--	--	--	--	--	--	--
10/18/11		347.03	53.10	293.93	--	--	--	--	--	--	--
01/04/12		347.03	52.97	294.06	--	--	--	--	--	--	--
04/06/12		347.03	53.20	293.83	--	--	--	--	--	--	--
07/13/12		347.03	52.92	294.11	--	--	--	--	--	--	--
10/26/12		347.03	53.55	293.48	--	--	--	--	--	--	--
01/02/13		347.03	52.88	294.15	--	--	--	--	--	--	--
04/05/13		347.03	53.17	293.86	--	--	--	--	--	--	--
07/24/13		347.03	52.65	294.38	--	--	--	--	--	--	--
10/09/13		347.03	52.93	294.10	--	--	--	--	--	--	--
01/23/14		347.03	53.73	293.30	--	--	--	--	--	--	--
04/23/14		347.03	53.05	293.98	--	--	--	--	--	--	--
07/24/14		347.03	52.77	294.26	--	--	--	--	--	--	--
10/22/14		347.03	52.90	294.13	--	--	--	--	--	--	--
01/26/15		347.03	52.70	294.33	--	--	--	--	--	--	--
07/20/15		347.03	52.99	294.04	--	--	--	--	--	--	--
01/18/16		347.03	52.19	294.84	--	--	--	--	--	--	--
07/18/16		347.03	52.06	294.97	--	--	--	--	--	--	--
01/19/17		347.03	52.99	294.04	--	--	--	--	--	--	--
07/12/17		347.03	53.09	293.94	--	--	--	--	--	--	--
01/18/18		347.03	52.72	294.31	--	--	--	--	--	--	--
MW-21											
12/28/04		347.21	44.59	302.62	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
02/11/05		347.21	46.99	300.22	--	--	--	--	--	--	--
03/25/05		347.21	47.09	300.12	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
06/23/05		347.21	41.16	306.05	<50.0	<0.500	<0.500	<0.500	<1.00	--	--

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915 East Roy Street
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTW (ft.)	GWE (ft.)	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead
MW-21 (cont)											
09/20/05		347.21	41.28	305.93	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
12/15/05		347.21	41.31	305.90	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
03/15/06		347.21	40.91	306.30	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
06/15/06		347.21	41.06	306.15	<50.0	<0.500	<0.500	<0.500	<1.00	--	<1.00
09/22/06		347.21	41.36	305.85	--	--	--	--	--	--	--
09/21/07		347.21	41.38	305.83	--	--	--	--	--	--	--
12/04/07		347.21	41.40	305.81	--	--	--	--	--	--	--
03/17/08		347.21	41.19	306.02	--	--	--	--	--	--	--
06/22/08		347.21	41.28	305.93	--	--	--	--	--	--	--
09/29/08[4]	LFP	347.21	41.48	305.73	--	--	--	--	--	--	--
12/11/08		347.21	41.49	305.72	SAMPLED SEMIANNUALLY			--	--	--	--
03/19/09		347.21	41.48	305.73	--	--	--	--	--	--	--
04/08/10		347.21	41.35	305.86	--	--	--	--	--	--	--
07/23/10		347.21	41.26	305.95	--	--	--	--	--	--	--
10/21/10		347.21	41.38	305.83	--	--	--	--	--	--	--
01/10/11		347.21	41.24	305.97	--	--	--	--	--	--	--
04/22/11		347.21	41.00	306.21	--	--	--	--	--	--	--
07/12/11		347.21	41.13	306.08	--	--	--	--	--	--	--
10/18/11		347.21	41.35	305.86	--	--	--	--	--	--	--
01/04/12		347.21	40.39	306.82	--	--	--	--	--	--	--
04/06/12		347.21	41.25	305.96	--	--	--	--	--	--	--
07/13/12		347.21	41.31	305.90	--	--	--	--	--	--	--
10/26/12		347.21	41.09	306.12	--	--	--	--	--	--	--
01/02/13		347.21	41.22	305.99	--	--	--	--	--	--	--
04/05/13		347.21	41.22	305.99	--	--	--	--	--	--	--
07/24/13		347.21	41.26	305.95	--	--	--	--	--	--	--
10/09/13		347.21	41.30	305.91	--	--	--	--	--	--	--
01/23/14		347.21	41.40	305.81	--	--	--	--	--	--	--
04/23/14		347.21	41.27	305.94	--	--	--	--	--	--	--
07/24/14		347.21	41.39	305.82	--	--	--	--	--	--	--
10/22/14		347.21	41.33	305.88	--	--	--	--	--	--	--
01/26/15		347.21	41.47	305.74	--	--	--	--	--	--	--
07/20/15		347.21	41.77	305.44	--	--	--	--	--	--	--
01/18/16		347.21	40.74	306.47	--	--	--	--	--	--	--
07/18/16		347.21	40.66	306.55	--	--	--	--	--	--	--
01/19/17		347.21	40.92	306.29	--	--	--	--	--	--	--
07/12/17		347.21	41.01	306.20	--	--	--	--	--	--	--
01/18/18		347.21	40.69	306.52	--	--	--	--	--	--	--
Standard Laboratory Reporting Limits					50	0.5	0.5	0.5	1.5	2.5	1
MTCA Method A Cleanup Levels:					800/1,000	5	1,000	700	1,000	20	15
Current Method[5]					NWTPH-Gx	USEPA 8021B					USEPA 7421

Abbreviations:

D. Lead = Dissolved Lead
DTW = Depth to Water
(ft.) = Feet
GWE = Groundwater Elevation
LFP = Low Flow Purge
MTBE = Methyl Tertiary Butyl Ether
MTCA = Model Toxics Control Act
TOC = Top of Casing
TPH = Total Petroleum Hydrocarbons
TPH-GRO = TPH as Gasoline-Range Organics
USEPA = United States Environmental Protection Agency
µg/L = Micrograms per liter
-- = Not Measured/Not Analyzed

Notes:

1 Analytical results in bold font indicate concentrations exceed MTCA Method A cleanup levels.
2 TOC elevations have been surveyed in feet relative to the 1988 North American Vertical Datum as of April 2011.
3 Laboratory report indicates estimated value.
4 Pump in well.
5 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.

Attachment A:
Groundwater Monitoring and Sampling Data Package

GETTLER-RYAN INC.

TRANSMITTAL

January 26, 2018
G-R #17156648

TO: Ms. Ruth A. Otteman
Leidos, Inc.
18939 120th Avenue, Suite 112
Bothell, WA 98011

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

RE: Former Chevron Service Station
#9-0123
915 East Roy Street
Seattle, Washington

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **First Semi Annual Event of January 18, 2018**

COMMENTS:

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

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

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

trans/9-0123

GETTLER-RYAN INC.

CHEVRON - SITE CHECK LIST

Facility#:	**Chevron #9-0123** Date: 1/18/18
Address:	**915 East Roy Street**
City/St.:	**Seattle, WA**
Status of Site:	ACTIVE 76 STATION

DRUMS:

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

#	Description	Condition	Labeling	Contents/Capacity	Location
	NO DRUMS				

WELLS:

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

Well ID	Gaskets (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Replaced Plug Y/N	Replaced Lock Y/N	Well Box Manufacturer/Size/# of Bolts	Other
MW-1A	OK	OK	NO	NO	MORRIS / B / 3	
MW-4A	↓	↓	↓	↓	↓	
MW-6	↓	↓	↓	↓	↓	
MW-7	↓	↓	↓	↓	↓	
MW-8	↓	↓	↓	↓	↓	
MW-9	↓	↓	↓	↓	↓	
MW-10	↓	↓	↓	↓	↓	
MW-11	↓	↓	↓	↓	↓	
WELLS LOCATED AT CHEVRON #306533 ***MONITOR ONLY						
MW-13	OK	OK	NO	NO	MORRIS / B / 3	
MW-19A	↓	↓	↓	↓	↓	
MW-20	↓	↓	↓	↓	↓	
MW-21	↓	↓	↓	↓	↓	

Additional Comments/Observations:

STANDARD OPERATING PROCEDURE, LOW-FLOW PURGING AND SAMPLING

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

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

Initial Pump Discharge Test Procedures

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

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

Purging and Water Quality Parameter Measurement

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

Sample Collection

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

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

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-0123 Job Number: 17156648
Site Address: 915 East Roy Street Event Date: 1/18/18 (inclusive)
City: Seattle, WA Sampler: GM

Well ID MW-1A Date Monitored: 1/18/18
Well Diameter 2 in.
Total Depth 40.15 ft.
Depth to Water 32.49 ft.

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

☐ Check if water column is less then 0.50 ft.

7.66 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	X
Other:	

Sampling Equipment:

Disposable Bailer	
Pressure Bailer	
Metal Filters	
Peristaltic Pump	
QED Bladder Pump	X
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): 0730 Weather Conditions: COLD
Sample Time/Date: 0817 / 1/18/18 Water Color: CLOUDY Odor (Y) N STRONG
Approx. Flow Rate: 200 mlpm Sediment Description: SLSILT
Did well de-water? NO If yes, Time: ~ Volume: ~ ltrs DTW @ Sampling: 32.53

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
0748	3.6	6.81	.547	12.92			32.52
0751	4.2	6.80	.546	12.91			32.52
0754	4.8	6.78	.544	12.89			32.53

LABORATORY INFORMATION

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

COMMENTS: Depth Pump Set At: ≈ 35.00

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 #9-0123 Job Number: 17156648
Site Address: 915 East Roy Street Event Date: 1/18/18 (inclusive)
City: Seattle, WA Sampler: BM

Well ID MW-4A Date Monitored: 1/18/18
Well Diameter 2 in.
Total Depth 20.14 ft.
Depth to Water 11.91 ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

Purge Equipment:

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

Sampling Equipment:

Disposable Bailer	
Pressure Bailer	
Metal Filters	
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: 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): 0325 Weather Conditions: RAIN
Sample Time/Date: 0412 / 1/18/18 Water Color: CLEAR Odor: Y / (N)
Approx. Flow Rate: 200 mlpm Sediment Description: SL SILT
Did well de-water? NO If yes, Time: — Volume: — ltrs DTW @ Sampling: 11.98

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
0343	3.6	6.74	.564	13.14			11.97
0346	4.2	6.72	.567	13.11			11.98
0349	4.8	6.71	.561	13.08			11.98

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4A	6 x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX+MTBE(8021)
	2 x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx

COMMENTS: Depth Pump Set At: ≈ 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 #9-0123 Job Number: 17156648
Site Address: 915 East Roy Street Event Date: 1/18/13 (inclusive)
City: Seattle, WA Sampler: GM

Well ID MW-6 Date Monitored: 1/18/13
Well Diameter 2 in.
Total Depth 25.21 ft.
Depth to Water 12.92 ft. ☐ Check if water column is less then 0.50 ft.
12.29 xVF — = — x3 case volume = Estimated Purge Volume: — gal.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

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

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

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

Start Time (purge): 0430 Weather Conditions: RAIN
Sample Time/Date: 0514 / 1/18/13 Water Color: CLOUDY Odor: Y N SLIGHT
Approx. Flow Rate: 200 mlpm Sediment Description: SLIGHT
Did well de-water? NO If yes, Time: — Volume: — ltrs DTW @ Sampling: 12.94

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
0448	3.6	6.26	.120	12.84			12.94
0451	4.2	6.24	.119	12.82			12.94
0454	4.8	6.21	.117	12.79			12.94

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW6	6x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX+MTBE(8021)
	2x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx

COMMENTS: Depth Pump Set At: ~15.00ft

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 #9-0123 Job Number: 17156648
Site Address: 915 East Roy Street Event Date: 1/18/18 (inclusive)
City: Seattle, WA Sampler: GM

Well ID MW-7 Date Monitored: 1/18/18
Well Diameter 2 in.
Total Depth 35.54 ft.
Depth to Water 26.81 ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

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

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

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

Start Time (purge): 0625 Weather Conditions: RAIN
Sample Time/Date: 0708 / 1/18/18 Water Color: SL RED Odor (Y) N MODERATE
Approx. Flow Rate: 200 mlpm Sediment Description: SILT
Did well de-water? NO If yes, Time: Volume: ltrs DTW @ Sampling: 26.87

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
0643	3.6	6.64	.247	12.97			26.86
0646	4.2	6.62	.242	12.94			26.86
0649	4.8	6.60	.241	12.92			26.87

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	6 x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX+MTBE(8021)
	2 x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx

COMMENTS: Depth Pump Set At: ≈ 29.00ft

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 #9-0123 Job Number: 17156648
Site Address: 915 East Roy Street Event Date: 1/18/18 (inclusive)
City: Seattle, WA Sampler: GM

Well ID MW-8 Date Monitored: 1/18/18
Well Diameter 2 in.
Total Depth 38.80 ft.
Depth to Water 32.27 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.

6.53 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	X
Other:	

Sampling Equipment:

Disposable Bailer	
Pressure Bailer	
Metal Filters	
Peristaltic Pump	
QED Bladder Pump	X
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): 0030 Weather Conditions: COLD
Sample Time/Date: 0115 / 1/18/18 Water Color: CLEAR Odor: Y (N)
Approx. Flow Rate: 200 mlpm Sediment Description: SL SILT
Did well de-water? NO If yes, Time: — Volume: — ltrs DTW @ Sampling: 32.32

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
0048	3.6	5.91	.529	12.88	[illegible]	[illegible]	32.31
0051	4.2	5.89	.524	12.81	[illegible]	[illegible]	32.31
0054	4.8	5.88	.521	12.76	[illegible]	[illegible]	32.32

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-8	6 x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX+MTBE(8021)
	2x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx

COMMENTS: Depth Pump Set At: ≈ 34.50ft.

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 #9-0123 Job Number: 17156648
Site Address: 915 East Roy Street Event Date: 1/18/18 (inclusive)
City: Seattle, WA Sampler: GM

Well ID MW-9 Date Monitored: 1/18/18
Well Diameter 2 in.
Total Depth 38.14 ft.
Depth to Water 30.04 ft.

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

☐ Check if water column is less then 0.50 ft.

8.10 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 X
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Metal Filters
Peristaltic Pump
QED Bladder Pump X
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): 0130 Weather Conditions: COLD
Sample Time/Date: 0210/ 1/18/18 Water Color: CLEAR Odor: Y (N)
Approx. Flow Rate: 200 mlpm Sediment Description: SILT
Did well de-water? NO If yes, Time: — Volume: — ltrs DTW @ Sampling: 30.11

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
0148	3.6	6.29	.205	14.01	[illegible]	[illegible]	30.11
0151	4.2	6.29	.204	13.95	[illegible]	[illegible]	30.11
0154	4.8	6.27	.202	13.88	[illegible]	[illegible]	30.11

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-9	6 x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX+MTBE(8021)
	2 x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx

COMMENTS: Depth Pump Set At: ≈ 32.50ft.

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 #9-0123 Job Number: 17156648
Site Address: 915 East Roy Street Event Date: 1/18/18 (inclusive)
City: Seattle, WA Sampler: GM

Well ID MW-10 Date Monitored: 1/18/18
Well Diameter 2 in.
Total Depth 25.18 ft.
Depth to Water 11.99 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.

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

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

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

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

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

Start Time (purge): 0225 Weather Conditions: RAIN
Sample Time/Date: 0307 / 1/18/18 Water Color: CLEAR Odor: Y (N)
Approx. Flow Rate: 200 mlpm Sediment Description: SL SILT
Did well de-water? NO If yes, Time: — Volume: — ltrs DTW @ Sampling: 12.05

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
0243	3.6	6.68	.267	12.95			12.04
0246	4.2	6.67	.266	12.89			12.04
0249	4.8	6.65	.264	12.82			12.05

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-10	6 x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX+MTBE(8021)
	2 x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx

COMMENTS: Depth Pump Set At: ≈ 14.00

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 #9-0123 Job Number: 17156648
Site Address: 915 East Roy Street Event Date: 1/18/18 (inclusive)
City: Seattle, WA Sampler: GM

Well ID MW-11 Date Monitored: 1/18/18
Well Diameter 2 in.
Total Depth 24.02 ft.
Depth to Water 13.07 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.

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

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

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

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

Start Time (purge): 0535 Weather Conditions: RAIN
Sample Time/Date: 0609 / 1/18/18 Water Color: CLEAR Odor: Y / (N)
Approx. Flow Rate: 200 mlpm Sediment Description: SL SILT
Did well de-water? NO If yes, Time: — Volume: — ltrs DTW @ Sampling: 13.11

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
0553	3.6	6.11	.449	12.56			13.10
0556	4.2	6.10	.447	12.54			13.11
0559	4.8	6.09	.443	12.52			13.11

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-11	6 x voa vial	YES	HCL	EUROFINS	NWTPH-Gx/BTEX+MTBE(8021)
	2 x 1 liter ambers	YES	HCL	EUROFINS	NWTPH-Dx

COMMENTS: Depth Pump Set At: ≈15.50ft

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0123 Job Number: 17156648
Site Address: 915 East Roy Street Event Date: 1/18/18 (inclusive)
City: Seattle, WA Sampler: GM

Well ID MW-13 Date Monitored: 1/18/18
Well Diameter 2 in.
Total Depth 60.94 ft.
Depth to Water 52.02 ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

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

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

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

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

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES

COMMENTS: *WELLS LOCATED AT CHEVRON #306533 ***MONITOR ONLY****

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: **Chevron #9-0123** Job Number: **17156648**

Site Address: **915 East Roy Street** Event Date: 1/18/18 (inclusive)

City: **Seattle, WA** Sampler: GM

Well ID MW-19A Date Monitored: 1/18/18

Well Diameter 2 in.

Total Depth 64.85 ft.

Depth to Water 50.59 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.

14.26 xVF ____ = ____ x3 case volume = Estimated Purge Volume: ____ gal.

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

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): ____ Weather Conditions: ____

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

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

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

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES

COMMENTS: *WELLS LOCATED AT CHEVRON #306533 ***MONITOR ONLY****

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #9-0123** Job Number: **17156648**

Site Address: **915 East Roy Street** Event Date: 1/18/18 (inclusive)

City: **Seattle, WA** Sampler: GM

Well ID **MW-20** Date Monitored: 1/18/18

Well Diameter **2** in.

Total Depth 54.16 ft.

Depth to Water 52.72 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.

1.44 xVF ____ = ____ x3 case volume = Estimated Purge Volume: ____ gal.

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

Purge Equipment:

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: ____ gpm. Sediment Description: ____

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

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES

COMMENTS: *WELLS LOCATED AT CHEVRON #306533 ***MONITOR ONLY****

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #9-0123** Job Number: **17156648**

Site Address: **915 East Roy Street** Event Date: 1/18/18 (inclusive)

City: **Seattle, WA** Sampler: GM

Well ID **MW-2** Date Monitored: 1/18/18

Well Diameter 2 in.

Total Depth 54.36 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

Depth to Water 40.69 ft. ☐ Check if water column is less then 0.50 ft.

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

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

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): ___ 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 (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES

COMMENTS: ***WELLS LOCATED AT CHEVRON #306533 ***MONITOR ONLY****

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

Chevron Northwest Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

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

SCR # _____

1 Client Information

Facility # SS#9-0123-OML G-R#17156648 WBS
Site Address 915 East Roy Street, SEATTLE, WA
Chevron PM MHO LEIDOSRO Lead Consultant Ruth Otteman
Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568
Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com)
Consultant Phone # (925) 551-7444 x180
Sampler G. MEDINA

2 Sample Identification

3 Collected

4 Matrix

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

5 Analyses Requested

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	180118	—	X		2	X			X				
MW-1A	180118	0817	X		8	X			X		X		
MW-4A	180118	0412	X		8	X			X		X		
MW-6	180118	0514	X		8	X			X		X		
MW-7	180118	0708	X		8	X			X		X		
MW-8	180118	0115	X		8	X			X		X		
MW-9	180118	0210	X		8	X			X		X		
MW-10	180118	0307	X		8	X			X		X		
MW-11	180118	0609	X		8	X			X		X		

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

6 Remarks

CONFIRM ALL MTBE HITS BY RUNNING BY 8260

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 | EDF/EDD | 72 hour | 48 hour | 24 hour

Relinquished by	Date	Time	Received by	Date	Time
[signature]	1/18/18	0940	[signature]	1/18/18	9:4[illegible]
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other _____			Received by	Date	Time

8 Data Package (circle if required)

Type I - Full
Type VI (Raw Data)

EDD (circle if required)
CVX-RTBU-FI_05 (default)
Other: _____

Temperature Upon Receipt _____ °C

Custody Seals Intact? Yes No

9

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

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

Issued by Dept. 40 Management
7051.03

Attachment B:
Laboratory Analysis Report

eurofins | Lancaster Laboratories Environmental

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

ANALYSIS REPORT

Prepared by:

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

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Report Date: April 26, 2018 11:05

Project: 90123

Account #: 11260
Group Number: 1898969
PO Number: 0015274511
Release Number: HORNE
State of Sample Origin: WA

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ . To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To	Leidos	Attn: Ruth Otteman
Electronic Copy To	Gettler-Ryan Inc.	Attn: Gettler Ryan

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

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

SAMPLE INFORMATION

Client Sample Description	Sample Collection Date/Time	ELLE#
QA-T-180118 NA Water	01/18/2018	9415384
MW-1A-W-180118 Grab Groundwater	01/18/2018 08:17	9415385
MW-4A-W-180118 Grab Groundwater	01/18/2018 04:12	9415386
MW-6-W-180118 Grab Groundwater	01/18/2018 05:14	9415387
MW-7-W-180118 Grab Groundwater	01/18/2018 07:08	9415388
MW-8-W-180118 Grab Groundwater	01/18/2018 01:15	9415389
MW-9-W-180118 Grab Groundwater	01/18/2018 02:10	9415390
MW-10-W-180118 Grab Groundwater	01/18/2018 03:07	9415391
MW-11-W-180118 Grab Groundwater	01/18/2018 06:09	9415392

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

Sample Description: **QA-T-180118 NA Water**
Facility# 90123 Job# 17156648
915 E Roy St - Seattle, WA

Chevron
ELLE Sample #: WW 9415384
ELLE Group #: 1898969
Matrix: Water

Project Name: **90123**

Submittal Date/Time: 01/19/2018 09:25
Collection Date/Time: 01/18/2018

CAT No.	Analysis Name	CAS Number	Result	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	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	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
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	18022A94A	01/23/2018 15:16	Brett W Kenyon	1
02102	Method 8021 Water Master	SW-846 8021B	1	18022A94A	01/23/2018 15:16	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	18022A94A	01/23/2018 15:16	Brett W Kenyon	1

Sample Description: **MW-1A-W-180118 Grab Groundwater**
Facility# 90123 Job# 17156648
915 E Roy St - Seattle, WA

Chevron
ELLE Sample #: WW 9415385
ELLE Group #: 1898969
Matrix: Groundwater

Project Name: **90123**

Submittal Date/Time: 01/19/2018 09:25
Collection Date/Time: 01/18/2018 08:17

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	34,000	1,000	20
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	1,800	2.5	5
02102	Ethylbenzene	100-41-4	860	2.5	5
02102	Methyl tert-Butyl Ether	1634-04-4	N.D.	13	5
02102	Toluene	108-88-3	1,600	2.5	5
02102	Total Xylenes	1330-20-7	3,000	7.5	5
Reporting limits were raised due to interference from the sample matrix.					
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	11,000	580	20
08271	Heavy Range Organics C24-C40	n.a.	1,500	1,400	20

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	18022A94A	01/23/2018 23:49	Brett W Kenyon	20
02102	Method 8021 Water Master	SW-846 8021B	1	18024A94B	01/25/2018 11:59	Brett W Kenyon	5
01146	GC VOA Water Prep	SW-846 5030B	1	18022A94A	01/23/2018 23:49	Brett W Kenyon	20
01146	GC VOA Water Prep	SW-846 5030B	2	18024A94B	01/25/2018 11:59	Brett W Kenyon	5
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	180300004A	02/01/2018 14:18	Thomas C Wildermuth	20
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	180300004A	01/30/2018 21:00	Karen L Beyer	1

Sample Description: **MW-4A-W-180118 Grab Groundwater**
Facility# 90123 Job# 17156648
915 E Roy St - Seattle, WA

Chevron
ELLE Sample #: WW 9415386
ELLE Group #: 1898969
Matrix: Groundwater

Project Name: **90123**

Submittal Date/Time: 01/19/2018 09:25
Collection Date/Time: 01/18/2018 04:12

CAT No.	Analysis Name	CAS Number	Result	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	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	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	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	51	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
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	18022A94A	01/23/2018 20:50	Brett W Kenyon	1
02102	Method 8021 Water Master	SW-846 8021B	1	18022A94A	01/23/2018 20:50	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	18022A94A	01/23/2018 20:50	Brett W Kenyon	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	180300004A	01/31/2018 20:41	Thomas C Wildermuth	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	180300004A	01/30/2018 21:00	Karen L Beyer	1

Sample Description: **MW-6-W-180118 Grab Groundwater**
Facility# 90123 Job# 17156648
915 E Roy St - Seattle, WA

Chevron
ELLE Sample #: WW 9415387
ELLE Group #: 1898969
Matrix: Groundwater

Project Name: **90123**

Submittal Date/Time: 01/19/2018 09:25
Collection Date/Time: 01/18/2018 05:14

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	780	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	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	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	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	610	29	1
08271	Heavy Range Organics C24-C40	n.a.	230	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
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	18022A94A	01/23/2018 21:16	Brett W Kenyon	1
02102	Method 8021 Water Master	SW-846 8021B	1	18022A94A	01/23/2018 21:16	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	18022A94A	01/23/2018 21:16	Brett W Kenyon	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	180300004A	01/31/2018 21:03	Thomas C Wildermuth	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	180300004A	01/30/2018 21:00	Karen L Beyer	1

Sample Description: **MW-7-W-180118 Grab Groundwater**
Facility# 90123 Job# 17156648
915 E Roy St - Seattle, WA

Chevron
ELLE Sample #: WW 9415388
ELLE Group #: 1898969
Matrix: Groundwater

Project Name: **90123**

Submittal Date/Time: 01/19/2018 09:25
Collection Date/Time: 01/18/2018 07:08

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	270	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	0.6	0.5	1
02102	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	2.8	1.5	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	220	29	1
08271	Heavy Range Organics C24-C40	n.a.	150	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
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	18022A94A	01/23/2018 21:41	Brett W Kenyon	1
02102	Method 8021 Water Master	SW-846 8021B	1	18022A94A	01/23/2018 21:41	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	18022A94A	01/23/2018 21:41	Brett W Kenyon	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	180300004A	01/31/2018 21:26	Thomas C Wildermuth	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	180300004A	01/30/2018 21:00	Karen L Beyer	1

Sample Description: **MW-8-W-180118 Grab Groundwater**
Facility# 90123 Job# 17156648
915 E Roy St - Seattle, WA

Chevron
ELLE Sample #: WW 9415389
ELLE Group #: 1898969
Matrix: Groundwater

Project Name: **90123**

Submittal Date/Time: 01/19/2018 09:25
Collection Date/Time: 01/18/2018 01:15

CAT No.	Analysis Name	CAS Number	Result	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	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	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	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1

Sample Comments

State of Washington Lab Certification No. C457

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	18022A94A	01/23/2018 22:07	Brett W Kenyon	1
02102	Method 8021 Water Master	SW-846 8021B	1	18022A94A	01/23/2018 22:07	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	18022A94A	01/23/2018 22:07	Brett W Kenyon	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	180300004A	01/31/2018 21:48	Thomas C Wildermuth	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	180300004A	01/30/2018 21:00	Karen L Beyer	1

Sample Description: **MW-9-W-180118 Grab Groundwater**
Facility# 90123 Job# 17156648
915 E Roy St - Seattle, WA

Chevron
ELLE Sample #: WW 9415390
ELLE Group #: 1898969
Matrix: Groundwater

Project Name: **90123**

Submittal Date/Time: 01/19/2018 09:25
Collection Date/Time: 01/18/2018 02:10

CAT No.	Analysis Name	CAS Number	Result	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	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	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	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1

Sample Comments

State of Washington Lab Certification No. C457

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	18022A94A	01/23/2018 22:33	Brett W Kenyon	1
02102	Method 8021 Water Master	SW-846 8021B	1	18022A94A	01/23/2018 22:33	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	18022A94A	01/23/2018 22:33	Brett W Kenyon	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	180300004A	01/31/2018 22:10	Thomas C Wildermuth	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	180300004A	01/30/2018 21:00	Karen L Beyer	1

Sample Description: **MW-10-W-180118 Grab Groundwater**
Facility# 90123 Job# 17156648
915 E Roy St - Seattle, WA

Chevron
ELLE Sample #: WW 9415391
ELLE Group #: 1898969
Matrix: Groundwater

Project Name: **90123**

Submittal Date/Time: 01/19/2018 09:25
Collection Date/Time: 01/18/2018 03:07

CAT No.	Analysis Name	CAS Number	Result	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	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	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	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	59	28	1
08271	Heavy Range Organics C24-C40	n.a.	93	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
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	18022A94A	01/23/2018 22:58	Brett W Kenyon	1
02102	Method 8021 Water Master	SW-846 8021B	1	18022A94A	01/23/2018 22:58	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	18022A94A	01/23/2018 22:58	Brett W Kenyon	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	180300004A	01/31/2018 22:32	Thomas C Wildermuth	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	180300004A	01/30/2018 21:00	Karen L Beyer	1

Sample Description: **MW-11-W-180118 Grab Groundwater**
Facility# 90123 Job# 17156648
915 E Roy St - Seattle, WA

Chevron
ELLE Sample #: WW 9415392
ELLE Group #: 1898969
Matrix: Groundwater

Project Name: **90123**

Submittal Date/Time: 01/19/2018 09:25
Collection Date/Time: 01/18/2018 06:09

CAT No.	Analysis Name	CAS Number	Result	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	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	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	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	47	28	1
08271	Heavy Range Organics C24-C40	n.a.	72	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
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	18022A94A	01/23/2018 23:24	Brett W Kenyon	1
02102	Method 8021 Water Master	SW-846 8021B	1	18022A94A	01/23/2018 23:24	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	18022A94A	01/23/2018 23:24	Brett W Kenyon	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	180300004A	01/31/2018 22:54	Thomas C Wildermuth	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	180300004A	01/30/2018 21:00	Karen L Beyer	1

Quality Control Summary

Client Name: Chevron
Reported: 04/26/2018 11:05

Group Number: 1898969

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: 18022A94A	Sample number(s): 9415384-9415392	
Benzene	N.D.	0.2
Ethylbenzene	N.D.	0.2
Methyl tert-Butyl Ether	N.D.	0.3
NWTPH-Gx water C7-C12	N.D.	50
Toluene	N.D.	0.2
Total Xylenes	N.D.	0.2
Batch number: 18024A94B	Sample number(s): 9415385	
Benzene	N.D.	0.2
Ethylbenzene	N.D.	0.2
Methyl tert-Butyl Ether	N.D.	0.3
Toluene	N.D.	0.2
Total Xylenes	N.D.	0.2
Batch number: 180300004A	Sample number(s): 9415385-9415392	
Diesel Range Organics C12-C24	N.D.	30
Heavy Range Organics C24-C40	N.D.	70

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 18022A94A	Sample number(s): 9415384-9415392								
Benzene	20	20.68	20	20.18	103	101	80-120	2	30
Ethylbenzene	20.1	19.63	20.1	19.13	98	95	80-120	3	30
Methyl tert-Butyl Ether	20.1	20.46	20.1	20.65	102	103	68-145	1	30
NWTPH-Gx water C7-C12	1100	1129.98	1100	1170.69	103	106	80-120	4	30
Toluene	20.1	20.07	20.1	19.5	100	97	80-120	3	30
Total Xylenes	60.2	61.18	60.2	59.24	102	98	80-120	3	30
Batch number: 18024A94B	Sample number(s): 9415385								
Benzene	20	20.34			102		80-120		
Ethylbenzene	20.1	19.37			96		80-120		
Methyl tert-Butyl Ether	20.1	21.34			106		68-145		
Toluene	20.1	19.71			98		80-120		
Total Xylenes	60.2	60.13			100		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: 04/26/2018 11:05

Group Number: 1898969

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
	ug/l	ug/l	ug/l	ug/l					
Batch number: 180300004A	Sample number(s): 9415385-9415392								
Diesel Range Organics C12-C24	1610	1184.79	1610	1252.92	74	78	50-113	6	20

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: 18024A94B	Sample number(s): 9415385 UNSPK: P416117									
Benzene	N.D.	20	21.63	20	21.09	108	105	80-120	3	30
Ethylbenzene	N.D.	20.1	20.62	20.1	20.42	103	102	80-120	1	30
Methyl tert-Butyl Ether	N.D.	20.1	17.77	20.1	21.5	88	107	68-145	19	30
Toluene	N.D.	20.1	21.02	20.1	20.68	105	103	80-120	2	30
Total Xylenes	N.D.	60.2	63.04	60.2	62.8	105	104	80-120	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: 18022A94A

	Trifluorotoluene-P	Trifluorotoluene-F
9415384	82	80
9415386	91	77
9415387	82	76
9415388	82	75
9415389	83	78
9415390	84	78
9415391	86	76
9415392	87	76
Blank	82	78
LCS	81	83
LCSD	81	82

*- 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: 04/26/2018 11:05

Group Number: 1898969

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: 18022A94A

Limits:	51-120	63-135

	Trifluorotoluene-F
9415385	91

Limits: 63-135

Analysis Name: Method 8021 Water Master
Batch number: 18024A94B

	Trifluorotoluene-P
9415385	109
Blank	82
LCS	81
MS	84
MSD	80

Limits: 51-120

Analysis Name: NWTPH-Dx water
Batch number: 180300004A

	Orthoterphenyl
9415385	112
9415386	90
9415387	94
9415388	71
9415389	91
9415390	90
9415391	93
9415392	91
Blank	90
LCS	93
LCSD	99

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

eurofins | Lancaster Laboratories

For Eurofins Lancaster Laboratories use only
Acct. # 11260 Group # 1898969 Sample # 9915384-92
Instructions on reverse side correspond with circled numbers.

SCR #: _____

1 Client Information

Facility # SS#9-0123-OML G-R#17156648 WBS
Site Address 915 East Roy Street, SEATTLE, WA
Chevron PM MHO LEIDOSRO Lead Consultant Ruth Otteman
Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568
Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com)
Consultant Phone # (925) 551-7444 x180
Sampler G. MEDINA

2 Sample Identification | **3** Grab | Composite | **4 Matrix**: Soil | Sediment | Water: Potable | Ground | NPDES | Surface | Oil | Air | Total Number of Containers | **5 Analyses Requested**: BTEX + MTBE | 8021 | 8260 | Naphth | 8260 full scan | Oxygenates | NWTPH-Gx | NWTPH-Dx with Silica Gel Cleanup | NWTPH-Dx without Silica Gel Cleanup | WA VPH | WA EPH | Lead | Total | Diss. | Method

Sample Identification	Collected Date	Collected Time	Grab	Composite	Soil	Sediment	Water: Potable	Water: Ground	Water: NPDES	Water: Surface	Oil	Air	Total Number of Containers	BTEX + MTBE	8021	8260	Naphth	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead	Total	Diss.	Method
QA	180118	—	X				X						2	X						X								
MW-1A	180118	0817	X				X						8	X						X		X						
MW-4A	180118	0412	X				X						8	X						X		X						
MW-6	180118	0514	X				X						8	X						X		X						
MW-7	180118	0708	X				X						8	X						X		X						
MW-8	180118	0115	X				X						8	X						X		X						
MW-9	180118	0210	X				X						8	X						X		X						
MW-10	180118	0307	X				X						8	X						X		X						
MW-11	180118	0609	X				X						8	X						X		X						

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

6 Remarks

CONFIRM ALL MTBE HITS BY RUNNING BY 8260

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 | EDF/EDD 24 hour

Relinquished by	Date	Time	Received by	Date	Time
[signature]	1/18/18	0940	[signature]	1/18/18	9:40

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 X FedEx _____ Other _____

Received by [signature] Date 1.19.18 Time 925

Temperature Upon Receipt 0.1 - 2.2 °C

Custody Seals Intact? (Yes) No

Client: WA Office

Delivery and Receipt Information

Delivery Method:	SeaTac	Arrival Timestamp:	01/19/2018 9:25
Number of Packages:	7	Number of Projects:	4
State/Province of Origin:	WA		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	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 10:51 on 01/19/2018

Samples Chilled Details

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

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	2.2	DT	Wet	Y	Bagged	N
2	DT131	0.6	DT	Wet	Y	Bagged	N
3	DT131	1.3	DT	Wet	Y	Bagged	N
4	DT131	1.3	DT	Wet	Y	Bagged	N
5	DT131	1.5	DT	Wet	Y	Bagged	N
6	DT131	2.0	DT	Wet	Y	Bagged	N
7	DT131	0.2	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17605-2425

T | 717-656-2300
F | 717-656-2681
www.LancasterLabs.com

Explanation of Symbols and Abbreviations

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

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

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

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

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

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

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

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

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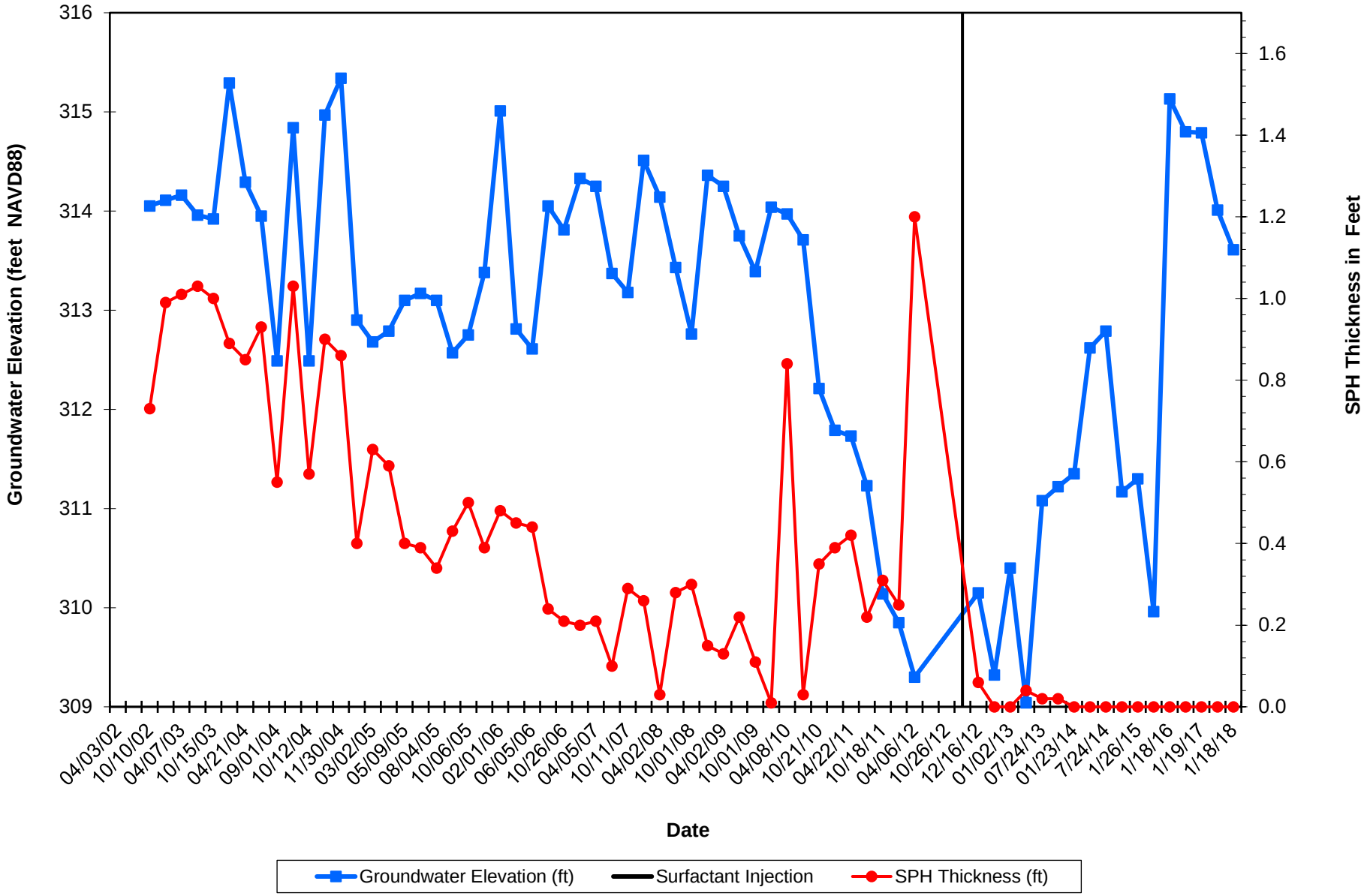
Data Qualifiers

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

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

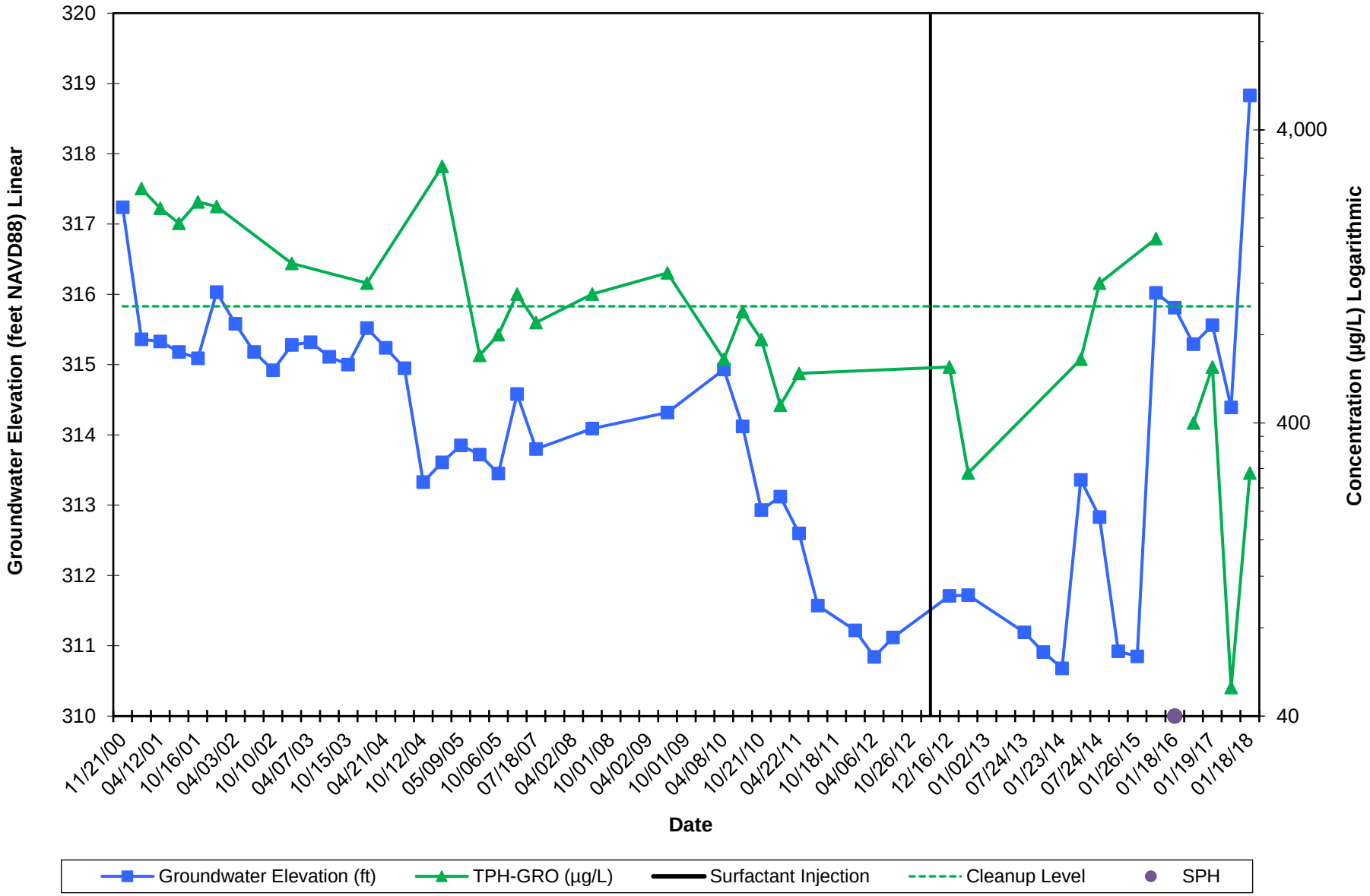
Attachment C:
Hydrographs

Well MW-1A
Hydrograph - SPH Thickness
Former Chevron Service Station No. 90123
915 East Roy Street Seattle, WA



leidos

Well MW-7
Hydrograph - Gasoline-Range Hydrocarbons
Former Chevron Service Station No. 90123
915 East Roy Street Seattle, WA



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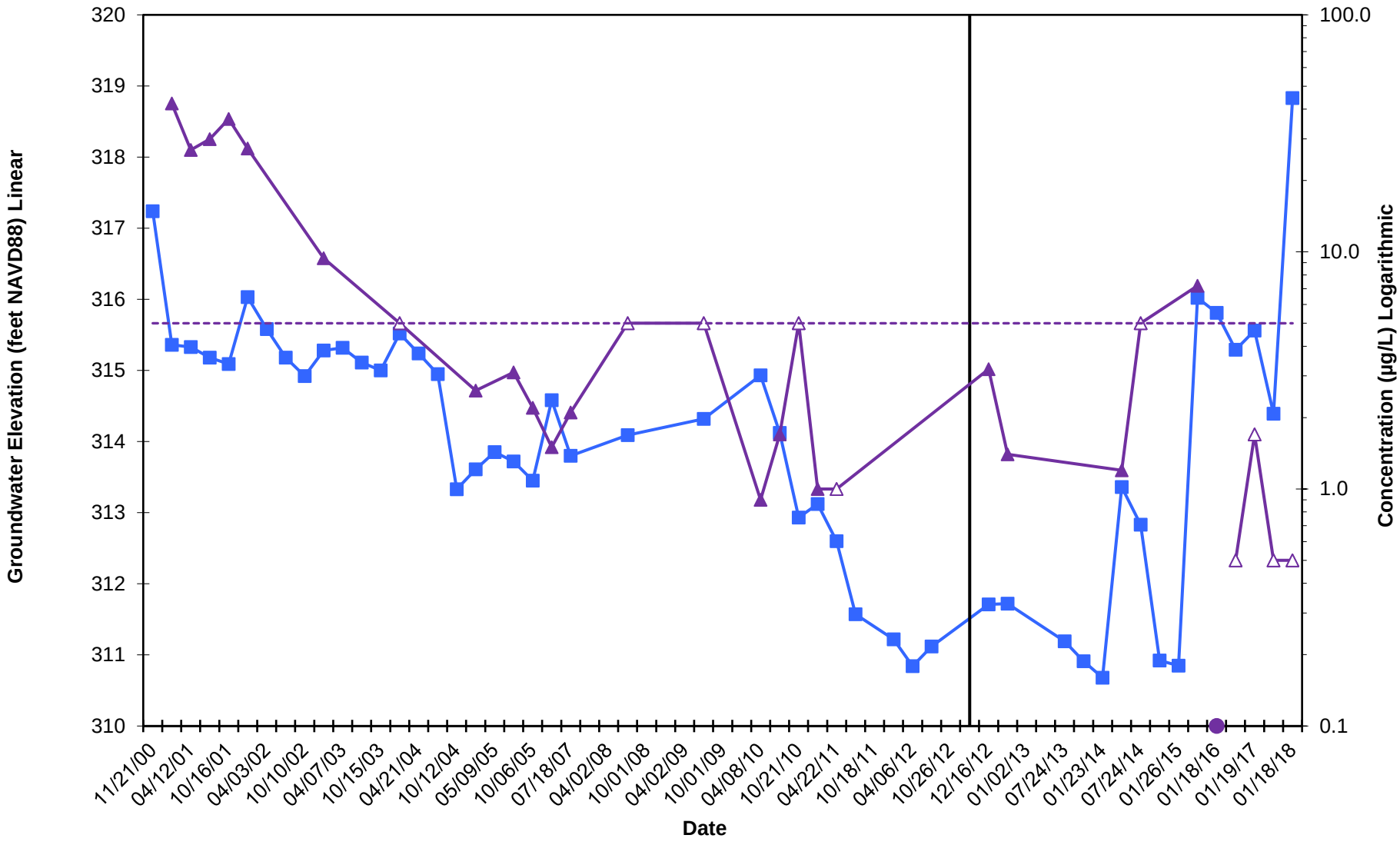
Well MW-7
Hydrograph - Benzene
Former Chevron Service Station No. 90123
915 East Roy Street Seattle, WA



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