March 26, 2014

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Mr. Christopher Maurer
Washington State Department of Ecology
Toxics Cleanup Program Headquarters
P.O. Box 47775
Olympia, Washington 98504-7775

Subject: **Second Semiannual 2013 Groundwater Monitoring Report**
Former Texaco Service Station No. 211577
631 Queen Anne Avenue North
Seattle, Washington

Dear Mr. Maurer:

Leidos Enginerring, LLC (Leidos; formerly SAIC Energy, Environment & Infrastructure, LLC), on behalf of Chevron Environmental Management Company (CEMC), prepared this letter summarizing the second semiannual 2013 groundwater monitoring event at former Texaco Service Station No. 211577 (the site) in Seattle, Washington (Figure 1).

FIELD ACTIVITIES

Gettler-Ryan Inc. (Gettler-Ryan) conducted the groundwater monitoring field event on November 11, 12 and 13, 2013. Gettler-Ryan measured depth to groundwater and checked for the presence of separate-phase hydrocarbons (SPH) in 41 monitoring wells on site.

Groundwater samples were collected from 25 monitoring wells using low-flow purge and sampling techniques. Samples were submitted to Eurofins Lancaster Laboratories Environmental, LLC for the following analyses:

- Total petroleum hydrocarbons (TPH) as gasoline-range organics (TPH-GRO) by Washington State Department of Ecology (Ecology) Method NWTPH-Gx;
- TPH as diesel-range organics (TPH-DRO) and TPH as heavy oil-range organics (TPH-HRO) by Ecology Method NWTPH-Dx extended with silica-gel cleanup; and
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) by United States Environmental Protection Agency (USEPA) Method 8260 B.

Additional samples were collected from 20 of the 25 monitoring wells sampled, to be analyzed for the following monitored natural attenuation (MNA) evaluation parameters:

- Alkalinity by SM20 2320B;

- Iron and manganese by USEPA Method 6010B;
- Ferrous iron by SM 3500FeB;
- Sulfate, nitrate, and nitrite by USEPA Method 300.0; and
- Sulfide by SM20 4500S2D.

Field data sheets are provided in the Gettler-Ryan groundwater monitoring and sampling data package (Attachment A).

FINDINGS

During this event, groundwater elevation measurements ranged from 102.73 feet in monitoring well MW-10 to 67.27 feet in monitoring well MW-34, based on an arbitrary benchmark elevation of 100 feet. Groundwater elevation data from this event indicate that groundwater flow is toward the west at a gradient of approximately 0.015 to 0.036 feet per foot (Figure 2), and that groundwater elevation across the site decreased by an average of 1.24 feet since the previous semiannual monitoring event in May 2013.

SPH were not detected in any of the wells monitored.

The following analytes were detected at concentrations exceeding the site cleanup levels:

- TPH-DRO were detected in monitoring wells VP-4, DPE-6, DPE-8/MW-22;
- TPH-HRO were detected in monitoring wells VP-4, DPE-8/MW-22;
- TPH-GRO were detected in monitoring wells MW-4, MW-14, DPE-5; and
- Benzene was detected in monitoring wells MW-21, MW-33, DPE-5.

Current and historical groundwater elevation data and laboratory analytical results are summarized in Table 1, and MNA data are summarized in Table 2. The laboratory analysis report is provided as Attachment B.

DISCUSSION

Groundwater monitoring and sampling results from this event are consistent with historical data for the site. Dissolved-phase petroleum contamination (predominantly TPH-GRO and TPH-DRO) continues to be detected in a select number of monitoring wells that are scattered throughout the site. Historical groundwater sampling data indicate that the dual-phase extraction remedial action was effective in significantly reducing TPH-GRO and benzene concentrations at the site. Petroleum constituent concentrations continue to decrease through natural attenuation processes.

As agreed to by Ecology, the groundwater cleanup standards for this site are based on protection of surface water and aquatic organizms. Therefore, groundwater is currently in compliance with the cleanup goals for the site since all applicable cleanup levels are being met at downgradient "sentinel" wells located along the east side of Second Avenue West.

Gettler-Ryan is scheduled to perform the next groundwater monitoring and sampling event in May 2014.

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

Sincerely,

Leidos Engineering, LLC

Julie Wartes
Project Scientist

Enclosures:
Figure 1 – Vicinity Map
Figure 2 – Potentiometric Map
Table 1 – Groundwater Monitoring Data and Analytical Results
Table 2 – Groundwater Analytical Results for Monitored Natural Attenuation Parameters
Attachment A – Groundwater Monitoring and Sampling Data Package
Attachment B – Laboratory Analysis Reports

cc: Mr. Eric Hetrick – CEMC
Ms. Debra Tadlock – The Estates of William Arnold and Erma Arnold
Mr. Mark M. Myers – Williams Kastner
Mr. Paul McTaggard – Darco, Inc.
Mr. Gerry Pigotti – Monterey Apartments, LLC
Mr. Bert Hyde – Sound Earth Strategies
Project File

REPORT LIMITATIONS

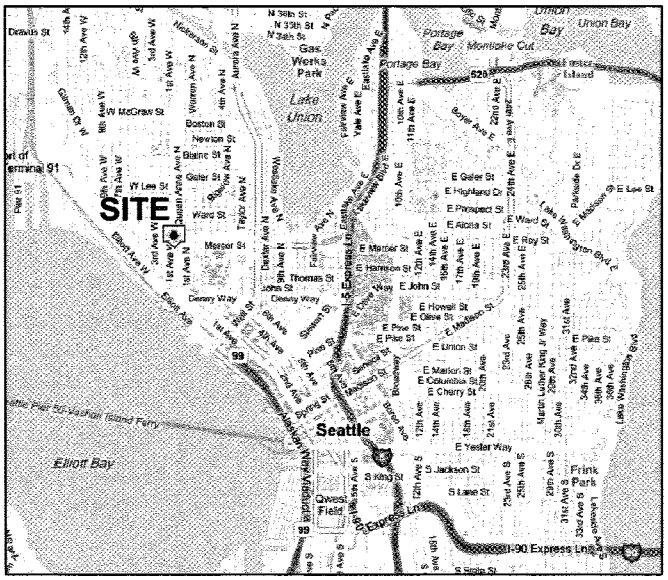
This technical document was prepared on behalf of CEMC and is intended for its sole use and for use by the local, state or federal regulatory agency that the technical document was sent to by Leidos. Any other person or entity obtaining, using, or relying on this technical document hereby acknowledges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

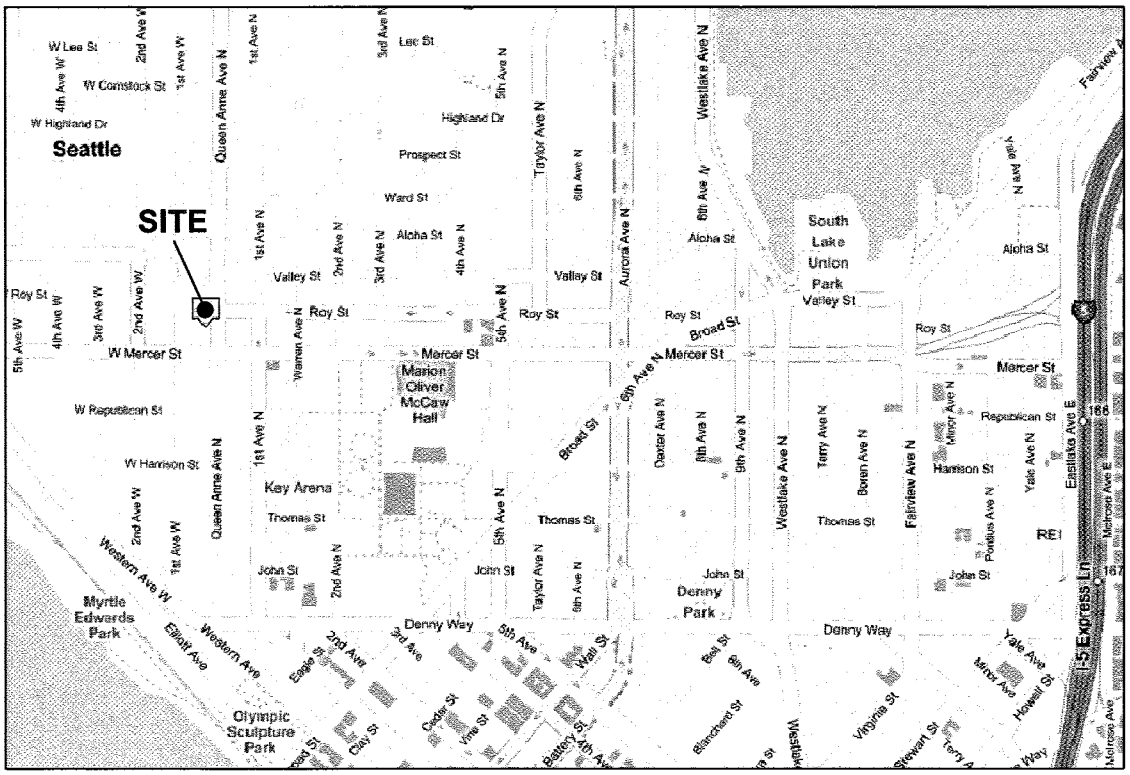
Site history and background information provided in this technical document are based on sources that may include interviews with environmental regulatory agencies and property management personnel and a review of acquired environmental regulatory agency documents and property information obtained from 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 Texaco Service Station No. 211577
631 Queen Anne Avenue North
Seattle, Washington

FIGURE 1
Vicinity Map

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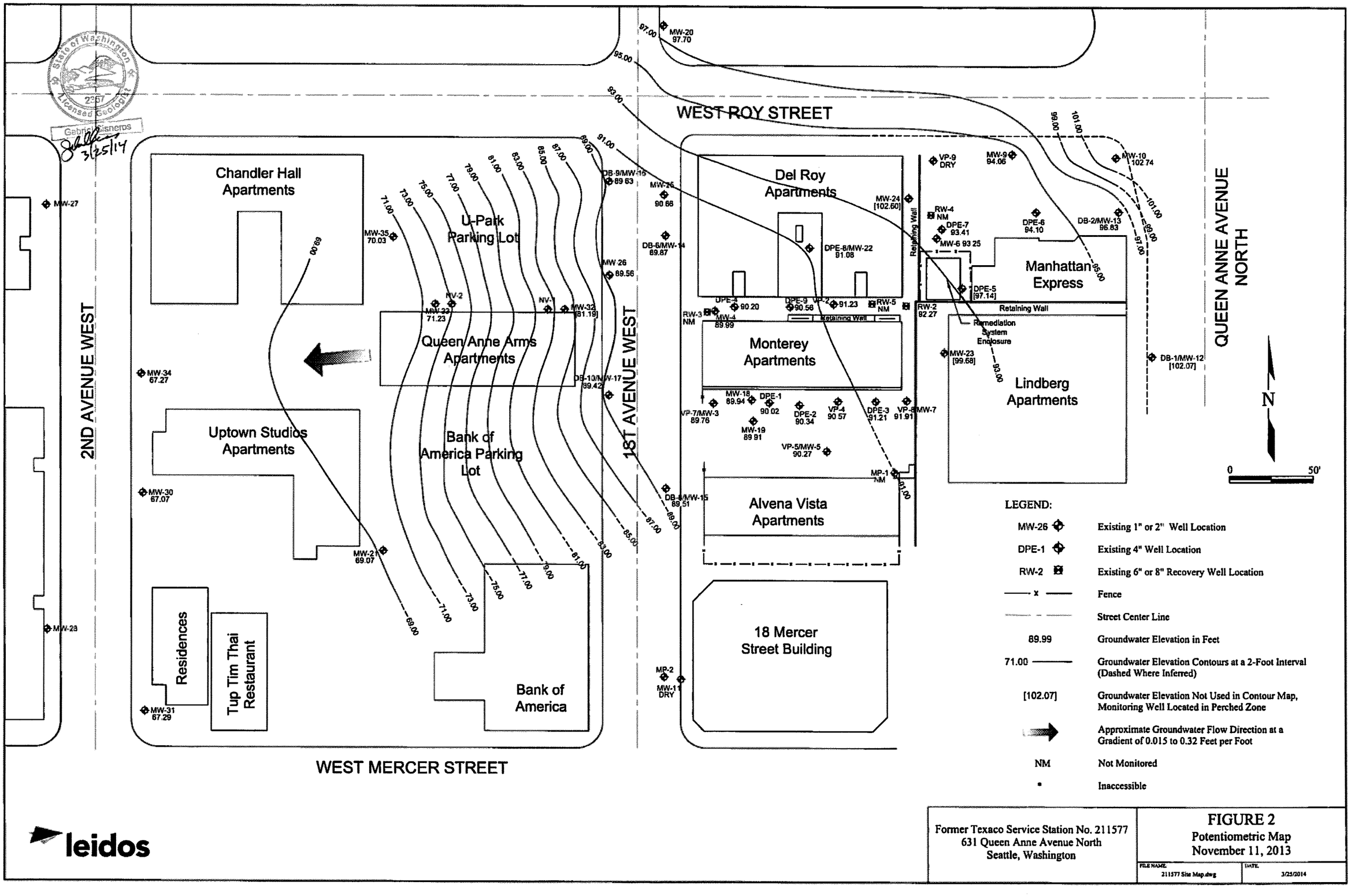
FILE NAME:	DATE:
211577 Vicinity Map.dwg	12/3/2013



LEGEND:

MW-26	Existing 1" or 2" Well Location
DPE-1	Existing 4" Well Location
RW-2	Existing 6" or 8" Recovery Well Location
—— x ——	Fence
	Street Center Line
89.99	Groundwater Elevation in Feet
71.00	Groundwater Elevation Contours at a 2-Foot Interval (Dashed Where Inferred)
[102.07]	Groundwater Elevation Not Used in Contour Map, Monitoring Well Located in Perched Zone
	Approximate Groundwater Flow Direction at a Gradient of 0.015 to 0.32 Feet per Foot
NM	Not Monitored
▪	Inaccessible

State of Washington 2257 Licensed Geologist
Gabriel Disneros
3/25/14

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Former Texaco Service Station No. 211577
631 Queen Anne Avenue North
Seattle, Washington

FIGURE 2
Potentiometric Map
November 11, 2013

FILE NAME: 211577 Site Map.dwg
DATE: 3/25/2014

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
VP-1													
06/14/00	103.03	--	--	--	--	**75,600**	<12,500	**5,000**	21.6	14.4	32.8	435	--
07/24/02	103.03	--	11.59	0.00	91.44	**18,000**	**1,500**	**35,000**	**120**	820	280	**4,600**	**22.9**
10/17-18/02	103.03	--	12.70	0.00	90.33	**7,500**	**598**[5]	**27,300**	**170**	756	334	**4,820**	**18.0**
01/21/03	103.03	--	12.70	0.00	90.33	**14,200**	**807**[5]	**36,700**	**90.5**	801	500	**6,630**	**47.1**
04/23-24/03	103.03	--	11.63	0.00	91.40	**2,830**	<500	**24,200**	**110**	136	225	**2,780**	**36.4**[13]
06/30-07/01/03	103.03	--	12.21	0.00	90.82	**20,200**	**1,750**	**8,000**[10]	**36.8**[10]	49.2[10]	47.1[10]	618[10]	13.2[13]
10/01-02/03	103.03	--	13.11	0.00	89.92	**40,000**	**6,300**	**7,600**	**56**	47	22	690	**31.2**[13]
01/21-23/04	103.03	--	12.21	0.00	90.82	**17,000**	**3,200**	**4,500**	11	6.2	<20	85	4.2[13]
04/29-30/04	103.03	--	11.87	0.00	91.16	**3,600**	**1,100**	**4,200**	**24**	3.6	9.8	85	2.6[13]
07/15-16/04	103.03	--	13.41	0.00	89.62	**1,050**[12]	<500	**1,880**	21.7	2.77	6.92	50.7	2.46[13]
08/03/04	103.03	--	12.71	0.00	90.32	--	--	--	--	--	--	--	--
10/28-11/01/04	103.03	--	12.84	0.00	90.19	**35,000**	**18,000**	**2,100**	**25**	5.5	7.6	97	--
01/24-31/05	103.03	--	12.38	0.00	90.65	**3,600**	**1,300**	670	5.2	0.8	1.4	13	--
04/18-21/05	103.03	--	12.09	0.00	90.94	**5,500**	**2,200**	340	<1.0	<0.5	0.7	5.2	--
07/27-28/05	103.03	--	12.38	0.00	90.65	--	--	--	--	--	--	--	--
11/08-10/05	103.03	--	13.48	--	89.55	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
02/22/06	103.03	--	10.89	0.00	92.14	--	--	--	--	--	--	--	--
04/17/06	103.03	--	12.10	0.00	90.93	--	--	--	--	--	--	--	--
WELL DECOMMISSIONED SEPTEMBER 2006													
VP-2													
12/15/99	104.72	--	--	--	--	**29,900**	<2,500	**5,980**	**935**	345	43.8	305	--
06/14/00	104.72	--	--	--	--	**2,810**	<1,000	**2,030**	**45.9**	16.2	<3.00	196	--
07/24/02	104.72	UNABLE TO LOCATE		--	--	--	--	--	--	--	--	--	--
10/17-18/02	104.72	--	13.60	0.00	91.12	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
01/21/03	104.72	--	13.63	0.00	91.09	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/23-24/03	104.72	--	12.15	0.00	92.57	**12,100**	<250	**6,230**	**549**	42.6	106	**1,120**	1.52[13]
06/30-07/01/03	104.72	--	12.51	0.00	92.21	**35,900**	**1,380**	**3,330**	**180**	58.8	32.4	510	3.97[13]
10/01-02/03	104.72	--	14.12	0.00	90.60	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
01/21-23/04	104.72	--	13.06	0.00	91.66	**480,000**	<56,000	**1,700**	**69**	16	<10	210	5.3[13]
04/29-30/04	104.72	--	10.53	0.00	94.19	**850**	**2,200**	**6,400**	**1,500**	94	68	760	2.1[13]
07/15-16/04	104.72	--	13.52	0.00	91.20	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
08/03/04	104.72	--	13.66	0.00	91.06	--	--	--	--	--	--	--	--
10/28-11/01/04	105.11	--	14.18	0.00	90.93	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
01/24-31/05	105.11	--	13.51	0.00	91.60	**24,000**	**1,600**	640	23	3.6	5.3	57	--
04/18-21/05	105.11	--	13.20	0.00	91.91	**120,000**	**8,700**	<50	2.1	<0.5	<0.5	3.6	--
07/27-28/05	105.11	--	13.75	0.00	91.36	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	105.11	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
02/22/06	105.11	--	12.02	0.00	93.09	--	--	--	--	--	--	--	--

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Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
VP-2 (cont.)													
04/17/06	105.11	---	DRY	---	---	NOT SAMPLED DUE TO INSUFFICIENT WATER					---	---	---
10/17/06	105.11	---	14.66	0.00	90.45	---	---	---	---	---	---	---	---
04/17/07	105.11	---	DRY	---	---	NOT SAMPLED DUE TO INSUFFICIENT WATER					---	---	---
12/04/07	105.11	---	14.70	0.00	90.41	---	---	---	---	---	---	---	---
04/28/08	105.11	---	14.65	0.00	90.46	---	---	---	---	---	---	---	---
11/03/08	105.11	---	14.76	0.00	90.35	---	---	---	---	---	---	---	---
04/13-16/09	105.11	---	13.88	0.00	91.23	---	---	---	---	---	---	---	---
10/12-15/09	105.11	---	14.47	0.00	90.64	---	---	---	---	---	---	---	---
04/19-22/10	105.11	---	12.25	0.00	92.86	---	---	---	---	---	---	---	---
01/17-20/11	105.11	---	11.58	0.00	93.53	---	---	---	---	---	---	---	---
05/10-12/11	105.11	---	11.97	0.00	93.14	---	---	---	---	---	---	---	---
05/07-08/12	105.11	---	12.12	0.00	92.99	---	---	---	---	---	---	---	---
11/12-14/12	105.11	---	13.48	0.00	91.63	---	---	---	---	---	---	---	---
5/20-22/13	105.11	---	12.15	0.00	92.96	---	---	---	---	---	---	---	---
11/11-13/13	105.11	---	13.88	0.00	91.23	---	---	---	---	---	---	---	---
VP-3/MW-2													
07/07/93	104.75	---	DRY	---	---	NOT SAMPLED DUE TO INSUFFICIENT WATER					---	---	---
07/24/02	104.75	---	DRY	---	---	NOT SAMPLED DUE TO INSUFFICIENT WATER					---	---	---
10/17-18/02	104.75	---	DRY	---	---	NOT SAMPLED DUE TO INSUFFICIENT WATER					---	---	---
01/21/03	104.75	---	DRY	---	---	NOT SAMPLED DUE TO INSUFFICIENT WATER					---	---	---
04/23-24/03	104.75	---	DRY	---	---	NOT SAMPLED DUE TO INSUFFICIENT WATER					---	---	---
06/30-07/01/03	104.75	---	DRY	---	---	NOT SAMPLED DUE TO INSUFFICIENT WATER					---	---	---
10/01-02/03	104.75	---	9.05	0.00	95.70	NOT SAMPLED DUE TO INSUFFICIENT WATER					---	---	---
01/21-23/04	104.75	---	DRY	---	---	NOT SAMPLED DUE TO INSUFFICIENT WATER					---	---	---
04/29-30/04	104.75	---	DRY	---	---	NOT SAMPLED DUE TO INSUFFICIENT WATER					---	---	---
07/15-16/04	104.75	---	DRY	---	---	NOT SAMPLED DUE TO INSUFFICIENT WATER					---	---	---
08/03/04	104.75	---	DRY	---	---	---	---	---	---	---	---	---	---
10/28-11/01/04	104.75	---	DRY	---	---	NOT SAMPLED DUE TO INSUFFICIENT WATER					---	---	---
01/24-31/05	104.75	---	DRY	---	---	NOT SAMPLED DUE TO INSUFFICIENT WATER					---	---	---
04/18-21/05	104.75	---	DRY	---	---	NOT SAMPLED DUE TO INSUFFICIENT WATER					---	---	---
07/27-28/05	104.75	---	DRY	---	---	NOT SAMPLED DUE TO INSUFFICIENT WATER					---	---	---
11/08-10/05	104.75	---	DRY	---	---	NOT SAMPLED DUE TO INSUFFICIENT WATER					---	---	---
04/17/06	104.75	---	DRY	---	---	NOT SAMPLED DUE TO INSUFFICIENT WATER					---	---	---
WELL DECOMMISSIONED SEPTEMBER 2006													
VP-4													
06/13/00	103.35	---	---	---	---	**1,850**	<552	**26,400**	**1,020**	3,270	809	**6,160**	---
07/24/02	103.35	---	11.89	0.00	91.46	**78,000**	<9,700	**89,000**	**7,300**	7,500	1,900	**13,000**	**28.0**

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VP-4 (cont.)													
10/17-18/02	103.35	12.75	12.78	0.03	90.59	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
01/21/03	103.35	12.61	12.71	0.10	90.72	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
04/23-24/03	103.35	11.72	11.75	0.03	91.62	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
06/30-07/01/03	103.35	12.31	12.34	0.03	91.03	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
10/01-02/03	103.35	13.26	13.29	0.03	90.08	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
01/21-23/04	103.35	12.34	12.37	0.03	91.00	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
04/29-30/04	103.35	--	12.21	0.00	91.14	**28,000**	<2,300	150	1.7	2.6	1	20	4.0[13]
07/15-16/04	103.35	--	12.62	0.00	90.73	**18,600**	**789**[5]	**32,200**	**2,230**	746	212	**3,710**	8.9[13]
08/03/04	103.35	--	12.91	0.00	90.44	--	--	--	--	--	--	--	--
10/28-11/01/04	103.35	--	12.98	0.00	90.37	**330,000**	<100,000	**48,000**	**2,500**	1,400	560	**5,400**	--
01/24-31/05	103.35	--	12.38	0.00	90.97	**110,000**	<9,500	**19,000**	**360**	750	89	**2,000**	--
04/18-21/05	103.35	--	12.14	0.00	91.21	**46,000**	<10,000	**2,800**	23	30	6.8	270	--
07/27-28/05	103.35	--	12.51	0.00	90.84	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	103.35	--	12.91	0.00	90.44	NOT SAMPLED		--	--	--	--	--	--
02/22/06	103.35	--	11.03	0.00	92.32	--	--	--	--	--	--	--	--
04/17/06	103.35	--	12.12	0.00	91.23	--	--	--	--	--	--	--	--
10/17/06	103.35	--	14.10	0.00	89.25	--	--	--	--	--	--	--	--
04/17/07	103.35	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
12/04/07	103.35	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/28/08	103.35	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
11/03/08	103.35	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/13-16/09	103.35	--	12.89	0.00	90.46	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
10/12-15/09	103.35	--	13.30	0.00	90.05	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/19-22/10	103.35	--	11.32	0.00	92.03	**13,000**	**2,600**	640	2	0.7	0.8	6	--
01/17-20/11	103.35	--	10.92	0.00	92.43	**8,500**	**2,300**	350	0.7	<0.5	<0.5	3	--
05/10-12/11	103.35	--	10.91	0.00	92.44	**2,200**	**510**	280	1	<0.5	0.6	7	--
05/07-08/12	103.35	--	11.15	0.00	92.20	**19,000**	**3,200**	430	1	0.6	1	2	--
11/12-14/12	103.35	--	12.42	0.00	90.93	**26,000**	**3,300**	350	1	0.6	0.5	2	--
5/20-22/13	103.35	--	11.21	0.00	92.14	**2,800**	430	**1,100**	2	1.0	2.0	5	--
11/11-13/13	103.35	--	12.78	0.00	90.57	**8,400**	**1,500**	560	0.8	0.6	<0.5	1	--
VP-5/MW-5													
11/03/86	103.21	--	15.15	0.00	88.06	--	--	--	--	--	--	--	--
09/90	102.92	--	13.49	0.00	89.43	--	--	--	--	--	--	--	--
03/26-28/91	102.91	--	12.58	0.00	90.33	--	--	--	**5,300**	1,300	900	**4,600**	--
07/07/93	102.91	--	12.29	0.00	90.62	--	--	--	--	--	--	--	--
12/15/99	102.91	--	--	--	--	**2,490**	<500	**23,400**	**841**	191	1,480	**7,720**	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
VP-5/MW-5 (cont.)													
06/13/00	102.91	--	--	--	--	**1,340**	<1,120	**25,600**	**793**	155	1,380	**5,690**	--
07/24/02	102.63	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
10/17-18/02	102.63	--	12.31	0.00	90.32	**3,900**	<500	**15,900**	**318**	49.3	880	**1,870**	2.29
01/21/03	102.63	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
04/23-24/03	102.63	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
06/30-07/01/03	102.63	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
10/01-02/03	102.63	--	12.81	0.00	89.82	**1,500**	270	**22,000**	**330**	76	1,000	**2,200**	2.4[13]
01/21-23/04	102.63	--	11.91	0.00	90.72	**1,500**	310	**19,000**	**310**	100	980	**1,600**	1.7[13]
04/29-30/04	102.63	--	11.80	0.00	90.83	**1,400**	400	**3,500**	**61**	13	190	180	<0.99[13]
07/15-16/04	102.63	--	12.22	0.00	90.41	<250	<500	**7,900**	**58.3**	18.4	384	475	<1.00[13]
08/03/04	102.63	--	12.52	0.00	90.11	--	--	--	--	--	--	--	--
10/28-11/01/04	102.63	--	12.57	0.00	90.06	**710**	<200	**19,000**	**98**	56	860	**1,600**	--
01/24-31/05	102.63	--	11.96	0.00	90.67	**910**	<250	**16,000**	**86**	60	770	**1,300**	--
04/18-21/05	102.63	--	11.75	0.00	90.88	**3,100**	<250	**12,000**	**39**	42	710	**1,200**	--
07/27-28/05	102.63	--	12.05	0.00	90.58	NOT SAMPLED			--	--	--	--	--
11/08-10/05	102.63	--	12.42	0.00	90.21	NOT SAMPLED			--	--	--	--	--
02/22/06	102.63	--	10.62	0.00	92.01	--	--	--	--	--	--	--	--
04/17/06	102.63	--	11.56	0.00	91.07	--	--	--	--	--	--	--	--
10/17/06	102.63	--	14.03	0.00	88.60	--	--	--	--	--	--	--	--
04/17/07	102.63	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
12/04/07	102.63	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/28/08	102.63	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
11/04/08	102.63	--	14.30	0.00	88.33	160	<66	110	<0.5	<0.5	<0.5	0.8	--
04/13-16/09	102.63	--	13.56	0.00	89.07	**860**	130	99	<0.5	<0.5	0.7	2	--
10/12-15/09	102.63	--	12.92	0.00	89.71	**1,900**	**2,100**	380	1	0.6	0.9	2	--
04/19-22/10	102.63	--	11.02	0.00	91.61	200	<73	120	0.7	<0.5	<0.5	<0.5	--
01/17-20/11	102.63	--	10.47	0.00	92.16	140	360	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	102.63	--	10.58	0.00	92.05	310	<67	80	0.8	<0.5	<0.5	<0.5	--
05/07-08/12	102.63	--	10.75	0.00	91.88	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12	102.63	--	12.42	0.00	90.21	33	<68	<50	1	<0.5	<0.5	<0.5	--
5/20-22/13	102.63	--	10.89	0.00	91.74	38	<68	<50	<0.5	<0.5	<0.5	<0.5	--
11/11-13/13	102.63	--	12.36	0.00	90.27	<30	<71	94	0.9	<0.5	<0.5	<0.5	--
VP-6													
NOT MONITORED/SAMPLED, REPLACED BY WELL DPE-1, SEE DPE-1 FOR VP-6 DATA													

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TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
VP-7/MW-3													
11/03/86	100.81	--	12.13	0.00	88.68	--	--	--	--	--	--	--	--
09/90	100.51	--	11.48	0.00	89.03	--	--	--	--	--	--	--	--
03/26-28/91	100.48	--	10.36	0.00	90.12	--	--	--	**3,700**	1,600	740	**3,500**	--
07/07/93	100.48	--	10.46	0.00	90.02	--	--	**20,000**	**4,700**	2,000	910	**3,600**	--
10/95	100.48	--	--	--	--	--	--	**33,000**	**11,700**	2,330	1,070	**4,130**	--
01/97	100.48	--	--	--	--	--	--	**51,000**	**12,400**	5,200	990	**5,200**	--
04/97	100.48	--	--	--	--	--	--	**53,000**	**11,100**	4,800	1,400	**7,600**	--
07/97	100.48	--	--	--	--	--	--	**37,000**	**11,000**	3,700	1,500	**7,100**	--
11/97	100.48	--	--	--	--	--	--	**34,000**	**15,900**	3,600	1,500	**6,600**	--
12/14/99	100.48	--	--	--	--	**3,310**	<500	**73,400**	**16,800**	9,670	1,890	**10,500**	--
06/14/00	100.48	--	--	--	--	**931**	<1,460	**54,400**	**10,000**	8,230	1,380	**7,470**	--
07/24/02	100.40	--	9.74	0.00	90.66	**5,800**	**580**	**60,000**	**8,200**	7,000	1,500	**8,300**	**25.0**
10/17-18/02	100.40	--	10.57	0.00	89.83	**5,160**	**510**[5]	**71,600**	**11,100**	5,880	1,940	**10,800**	2.40
01/21/03	100.40	--	10.29	0.00	90.11	**714**[7]	<500	**41,600**	**9,440**	1,470	1,360	**6,190**	<1.00
04/23-24/03	100.40	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
06/30-07/01/03	100.40	10.08	10.11	0.03	90.31	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
10/01-02/03	100.40	--	10.98	0.00	89.42	**3,800**	**520**	**61,000**	**10,000**	4,500	2,000	**10,000**	1.8[13]
01/21-23/04	100.40	--	10.09	0.00	90.31	<250	<250	**1,700**	**660**	69	70	350	<1.2[13]
04/29-30/04	100.40	--	9.96	0.00	90.44	<800	<1,000	<50	**28**	1.7	1.8	6.0	<0.99[13]
07/15-16/04	100.40	--	10.38	0.00	90.02	342	<500	**36,800**	**9,900**	985	1,270	**2,770**	<1.00[13]
08/03/04	100.40	--	10.66	0.00	89.74	--	--	--	--	--	--	--	--
10/28-11/01/04	100.40	--	10.76	0.00	89.64	**850**	<1,000	100	**250**	<0.5	<0.5	1.6	--
01/24-31/05	100.40	--	10.13	0.00	90.27	390	<250	**21,000**	**4,900**	1,900	890	**3,200**	--
04/18-21/05	100.40	--	9.97	0.00	90.43	**4,000**	<580	**26,000**	**5,800**	760	1,300	**5,100**	--
07/27-28/05	100.40	--	10.28	0.00	90.12	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	100.40	--	10.57	0.00	89.83	NOT SAMPLED		--	--	--	--	--	--
02/22/06	100.40	--	9.89	0.00	90.51	--	--	--	--	--	--	--	--
04/17/06	100.40	--	9.94	0.00	90.46	--	--	--	--	--	--	--	--
10/17/06	100.40	--	12.31	0.00	88.09	--	--	--	--	--	--	--	--
04/17/07	100.40	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
12/04/07	100.40	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/28/08	100.40	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
11/03/08	100.40	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/13-16/09	100.40	--	10.86	0.00	89.54	--	--	--	--	--	--	--	--
10/12-15/09	100.40	--	11.17	0.00	89.23	--	--	--	--	--	--	--	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
VP-7/MW-3 (cont.)													
04/19-22/10	100.40	--	9.31	0.00	91.09	--	--	--	--	--	--	--	--
01/17-20/11	100.40	--	8.79	0.00	91.61	--	--	--	--	--	--	--	--
05/10-12/11	100.40	--	8.93	0.00	91.47	--	--	--	--	--	--	--	--
05/07-08/12	100.40	--	9.05	0.00	91.35	--	--	--	--	--	--	--	--
11/12-14/12	100.40	--	10.51	0.00	89.89	--	--	--	--	--	--	--	--
5/20-22/13	100.40	--	8.97	0.00	91.43	--	--	--	--	--	--	--	--
11/11-13/13	100.40	--	10.64	0.00	89.76	--	--	--	--	--	--	--	--
VP-8/MW-7													
11/03/86	105.33	Trace	14.22	0.00	91.11	--	--	--	--	--	--	--	--
09/90	104.88	--	13.3	0.00	91.58	--	--	--	--	--	--	--	--
03/26-28/91	104.88	--	12.02	0.00	92.86	--	--	--	**280**	510	130	**1,100**	--
07/07/93	104.88	--	12.23	0.00	92.65	--	--	**7,000**	**220**	210	61	480	--
10/95	104.88	--	--	--	--	--	--	**3,100**	2.5	1.2	3	16	--
01/97	104.88	--	--	--	--	--	--	**8,000**	**816**	824	26	594	--
04/97	104.88	--	--	--	--	--	--	**18,000**	**605**	786	119	**1,774**	--
07/97	104.88	--	--	--	--	--	--	**9,100 J**	**96**	246	52	980	--
11/97	104.88	--	--	--	--	--	--	**830 J**	5.6	7	11	32.6	--
12/15/99	104.88	--	--	--	--	**2,780**	<500	**7,640**	**540**	927	201	**1,430**	--
06/13/00	104.88	--	--	--	--	**2,280**	<1,100	233	1.10	1.81	1.95	7.99	--
07/24/02	104.88	--	11.70	0.00	93.18	**1,800**	420	**1,500**	9.4	9.2	34	50	11.4
10/17-18/02	104.88	--	12.78	0.00	92.10	**1,830**	<500	552	9.75	1.45	4.25	5.73	1.93
01/21/03	104.88	--	12.63	0.00	92.25	**1,120**	<500	**1,910**	**139**	291	59.1	216	8.33
04/23-24/03	104.88	--	10.72	0.00	94.16	**800**	<500	700	**65.6**	35.7	22.9	69.8	3.73[13]
06/30-07/01/03	104.88	--	12.45	0.00	92.43	**939**	<500	379	2.68	1.57	3.70	4.69	2.06[13]
10/01-02/03	104.88	--	13.49	0.00	91.39	**19,000**	**2,100**	290	3.4	1.2	5.8	11	2.4[13]
01/21-23/04	104.88	--	12.16	0.00	92.72	**3,400**	**620**	89	<0.5	<0.5	<0.5	<1.5	3.2[13]
04/29-30/04	104.88	--	11.91	0.00	92.97	**620**	<250	460	0.6	<0.5	1.6	<3.0	<0.99[13]
07/15-16/04	104.88	--	12.76	0.00	92.12	**528**	<500	430	0.985	<0.500	1.50	2.40	<1.00[13]
08/03/04	104.88	--	12.94	0.00	91.94	--	--	--	--	--	--	--	--
10/28-11/01/04	104.88	--	13.09	0.00	91.79	**130,000**	<20,000	210	2.7	0.7	2.6	9.9	--
01/24-31/05	104.88	--	12.49	0.00	92.39	<250	<250	450	5.1	9.9	3.2	21	--
04/18-21/05	104.88	--	12.30	0.00	92.58	<250	<250	240	0.9	<0.5	6.2	4.7	--
07/27-28/05	104.88	--	12.59	0.00	92.29	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	104.88	--	13.12	0.00	91.76	NOT SAMPLED		--	--	--	--	--	--
02/22/06	104.88	--	11.05	0.00	93.83	--	--	--	--	--	--	--	--
04/17/06	104.88	--	12.40	0.00	92.48	--	--	--	--	--	--	--	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
VP-8/MW-7 (cont.)													
08/08/06	104.88	--	14.00	0.00	90.88	--	--	380	<2.0	0.9	2.8	6.5	--
04/17-18/07	104.88	--	15.21	0.00	89.67	--	--	270	1.8	0.8	1.1	2.9	--
12/04/07	104.88	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/28-29/08	104.88	--	15.23[16]	0.00	89.65	<76	<95	390	<0.5	<0.5	<0.5	<0.5	--
12/11/08[17]	104.88	--	13.98	0.00	90.90	71	<74	370	<0.5	<0.5	<0.5	<0.5	--
04/13-16/09	104.88	--	12.45	0.00	92.43	180	<71	**1,100**	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	104.88	--	13.10	0.00	91.78	89	<70	200	<0.5	<0.5	<0.5	<0.5	--
04/19-22/10	104.88	--	11.15	0.00	93.73	**970**	210	190	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11	104.88	--	10.28	0.00	94.60	460	**660**	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	104.88	--	10.71	0.00	94.17	140	<69	220	<0.5	<0.5	<0.5	<0.5	--
05/07-08/12	104.88	--	11.03	0.00	93.85	76	<72	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12	104.88	--	12.38	0.00	92.50	**770**	150	84	<0.5	<0.5	<0.5	<0.5	--
5/20-22/13	104.88	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
11/11-13/13	104.88	--	12.97	0.00	91.91	330	190	<50	<0.5	<0.5	<0.5	<0.5	--
VP-9													
12/15/99	112.35	--	--	--	--	<250	<500	118	<0.500	<0.500	<0.500	<1.00	--
06/14/00	112.35	--	--	--	--	**1,420**	<1,130	474	4.97	<1.30	55.6	4.48	--
07/24/02	112.35	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
10/17-18/02	112.35	--	11.90	0.00	100.45	**13,200**	**786**[5]	**1,910**	11.3	2.62	8.86	14.7	<1.00
01/21/03	112.35	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
04/23-24/03	112.35	--	8.28	0.00	104.07	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[13]
06/30-07/01/03	112.35	--	9.74	0.00	102.61	<250	<500	681	1.22	0.735	5.07	3.28	<1.00[13]
10/01-02/03	112.35	--	11.72	0.00	100.63	**5,400**	**1,300**	**1,600**	5.3	1.4	2.3	<10	--[14]
01/21-23/04	112.35	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
04/29-30/04	112.35	--	9.58	0.00	102.77	**1,500**	**<1,000**	750	0.8	<0.5	13	<1.5	<0.99[13]
07/15-16/04	112.35	--	11.15	0.00	101.20	259	<500	**1,270**	1.67	0.699	2.79	5.77	<1.00[13]
08/03/04	112.35	--	12.50	0.00	99.85	--	--	--	--	--	--	--	--
10/28-11/01/04	112.35	--	9.82	0.00	102.53	<800	<1,000	610	<0.5	<0.5	<0.5	<1.5	--
01/24-31/05	112.35	--	10.30	0.00	102.05	<250	<250	100	<0.5	<0.5	<0.5	<1.5	--
04/18-21/05	112.35	--	9.00	0.00	103.35	NOT SAMPLED		--	--	--	--	--	--
07/27-28/05	112.35	--	9.77	0.00	102.58	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	112.35	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
02/22/06	112.35	--	9.38	0.00	102.97	--	--	--	--	--	--	--	--
04/17/06	112.35	--	9.10	0.00	103.25	--	--	--	--	--	--	--	--
04/28/08	112.35	--	7.94	0.00	104.41	--	--	--	--	--	--	--	--
11/03/08	112.35	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
VP-9 (cont.)													
04/13-16/09	112.35	--	8.11	0.00	104.24	--	--	--	--	--	--	--	--
10/12-15/09	112.35	--	9.71	0.00	102.64	--	--	--	--	--	--	--	--
04/19-22/10	112.35	--	9.07	0.00	103.28	--	--	--	--	--	--	--	--
01/17-20/11	112.35	--	9.09	0.00	103.26	--	--	--	--	--	--	--	--
05/10-12/11	112.35	--	8.83	0.00	103.52	--	--	--	--	--	--	--	--
05/07-08/12	112.35	--	8.87	0.00	103.48	--	--	--	--	--	--	--	--
11/12-14/12	112.35	--	8.75	0.00	103.60	--	--	--	--	--	--	--	--
5/20-22/13	112.35	--	8.88	0.00	103.47	--	--	--	--	--	--	--	--
11/11-13/13	112.35	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
MW-4													
11/03/86	102.38	--	13.55	0.00	88.83	--	--	--	--	--	--	--	--
09/90	102.08	--	12.87	0.00	89.21	--	--	--	--	--	--	--	--
03/26-28/91	102.08	--	11.78	0.00	90.30	--	--	--	**10,000**	12,000	500	**9,800**	--
10/95	102.08	--	--	--	--	--	--	**95,000**	**19,600**	12,000	2,070	**10,800**	--
01/97	102.08	--	--	--	--	--	--	**88,000**	**12,900**	12,400	1,400	**10,600**	--
04/97	102.08	--	--	--	--	--	--	**100,000**	**14,300**	14,500	1,700	**11,000**	--
07/97	102.08	--	--	--	--	--	--	**120,000**	**19,600**	**19,700**	2,100	**13,100**	--
11/97	102.08	--	--	--	--	--	--	**89,000**	**17,500**	16,000	1,900	**12,200**	--
12/15/99	102.08	--	--	--	--	**3,340**	<500	**73,300**	**13,700**	13,500	1,830	**11,000**	--
06/14/00	102.08	--	--	--	--	**3,390**	<1,240	**74,400**	**14,400**	9,440	1,840	**10,800**	--
07/24/02	102.07	--	11.18	0.00	90.89	**10,000**	**680**	**83,000**	**11,000**	9,900	1,800	**11,000**	**15.5**
10/17-18/02	102.07	--	11.98	0.00	90.09	**9,860**	**697**[2]	**110,000**	**14,500**	11,600	2,630	**15,200**	10.7
10/17-18/02 (D)	102.07	--	--	--	--	**7,100**	<500	**92,400**	**12,400**	9,980	2,090	**12,200**	9.61
01/21/03	102.07	--	11.81	0.00	90.26	**2,540**[9]	<500	**80,000**	**10,700**	10,100	1,920	**11,700**	14.5
04/23-24/03	102.07	--	11.03	0.00	91.04	**1,680**	<500	**79,300**	**8,990**	7,350	1,780	**10,300**	5.74[13]
06/30-07/01/03	102.07	--	11.55	0.00	90.52	**3,910**	<500	**108,000**	**12,100**	11,200	2,630	**15,300**	7.85[13]
10/01-02/03	102.07	--	12.46	0.00	89.61	**3,800**	<500	**100,000**	**9,700**	11,000	2,000	**12,000**	7.1[13]
01/21-23/04	102.07	--	11.59	0.00	90.48	**62,000**	**2,800**	**93,000**	**11,000**	10,000	1,800	**12,000**	6.7[13]
04/29-30/04	102.07	--	11.48	0.00	90.59	**13,000**	**610**	**80,000**	**8,900**	8,200	1,600	**11,000**	14.3[13]
07/15-16/04	102.07	--	11.88	0.00	90.19	**943**	<500	**100,000**	**10,300**	7,600	2,090	**13,300**	9.06[13]
08/03/04	102.07	--	12.09	0.00	89.98	--	--	--	--	--	--	--	--
10/28-11/01/04	102.07	--	12.26	0.00	89.81	**7,500**	<1,000	**71,000**	**9,000**	5,900	2,000	**12,000**	--
01/24-31/05	102.07	--	11.68	0.00	90.39	**1,500**	<250	**56,000**	**8,900**	5,100	1,700	**9,600**	--
04/18-21/05	102.07	--	11.47	0.00	90.60	**3,700**	<510	**64,000**	**9,200**	6,800	2,000	**12,000**	--
07/27-28/05	102.07	--	11.73	0.00	90.34	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	102.07	--	12.12	0.00	89.95	NOT SAMPLED		--	--	--	--	--	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-4 (cont.)													
02/22/06	102.07	--	10.38	0.00	91.69	--	--	--	--	--	--	--	--
04/17/06	102.07	--	11.59	0.00	90.48	--	--	--	--	--	--	--	--
08/08/06	102.07	--	13.37	0.00	88.70	--	--	**23,000**	**1,500**	870	750	**4,400**	--
08/19/06	102.07	13.72	13.78	0.06	88.34	--	--	--	--	--	--	--	--
10/17/06	102.07	--	13.92	0.00	88.15	--	--	--	--	--	--	--	--
04/17-18/07	102.07	--	15.65	0.00	86.42	210	<94	650	**280**	7.7	66	22	--
12/04/07	102.07	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/28/08	101.95	--	17.21[16]	0.00	84.74	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
11/10/08	101.95	--	13.85	0.00	88.10	**2,300**	67	150	9	<0.5	<0.5	<0.5	--
04/13-16/09	101.95	--	12.23	0.00	89.72	**9,700**	<340	**1,500**	22	0.7	0.6	4	--
10/12-15/09	101.95	--	12.48	0.00	89.47	**11,000**	<720	**3,100**	**25**	2	3	8	--
04/19-22/10	101.95	--	10.60	0.00	91.35	**7,200**	**680**	**1,400**	**550**	3	8	8	--
01/17-20/11	101.95	--	10.07	0.00	91.88	**4,300**	**1,800**	**1,600**	**25**	0.7	2	2	--
05/10-12/11	101.95	--	10.19	0.00	91.76	**8,100**	**1,100**	**3,100**	**52**	2	3	6	--
05/07-08/12	101.95	--	10.41	0.00	91.54	250	<68	**1,900**	**25**	0.8	2	3	--
11/12-14/12	101.95	--	11.65	0.00	90.30	290	<72	**2,700**	**30**	0.8	2	3	--
5/20-22/13	101.95	--	10.48	0.00	91.47	340	<67	**2,600**	16	0.6	2	3	--
11/11-13/13	101.95	--	11.96	0.00	89.99	180	<71	**1,400**	16	0.5	0.6	3	--
MW-6													
11/03/86	113.71	22.03	24.29	2.26	91.23	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
09/90	113.38	21.14	21.95	0.81	92.08	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
03/26-28/91	113.38	20.55	21.22	0.67	92.70	--	--	--	**25,000**	**29,000**	2,500	**19,000**	--
06/25/93	113.38	--	21.00	0.00	92.38	--	--	--	--	--	--	--	--
07/07/93	113.38	20.70	22.30	1.60	92.36	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
10/95	113.38	--	--	--	--	--	--	**62,000**	**12,000**	13,800	920	**5,690**	--
01/97	113.38	--	--	--	--	--	--	**54,000**	**7,290**	12,400	2,340	**19,800**	--
07/24/02	113.32	--	19.76	0.00	93.56	**29,000**	<10,000	**31,000**	**8,900**	1,600	820	**4,200**	5.1
10/17-18/02	113.32	20.64	20.69	0.05	92.67	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
01/21/03	113.32	21.71	21.74	0.03	91.60	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
04/23-24/03	113.32	20.88	20.91	0.03	92.43	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
06/30-07/01/03	113.32	21.38	21.41	0.03	91.93	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
10/01-02/03	113.32	23.04	23.07	0.03	90.27	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
01/21-23/04	113.32	INACCESSIBLE - JUNKED VEHICLE OVER WELL				--	--	--	--	--	--	--	--
04/29-30/04[11]	113.32	20.20	20.22	0.02	93.12	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
07/15-16/04	113.32	--	20.48	0.00	92.84	**3,800**	<500	**46,600**	**9,610**	3,190	758	**3,060**	1.69[13]
08/03/04	113.32	--	20.65	0.00	92.67	--	--	--	--	--	--	--	--

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TABLE 1

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FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-6 (cont.)													
10/28-11/01/04	113.32	--	20.93	0.00	92.39	**9,200**	<96	**24,000**	**8,600**	2,800	690	**3,100**	--
01/24-31/05	113.32	--	20.38	0.00	92.94	**11,000**	<480	**5,600**	**220**	60	110	310	--
04/18-21/05	113.32	--	20.31	0.00	93.01	**7,700**	<1,000	**3,600**	**1,000**	120	110	360	--
07/27-28/05	113.32	--	20.39	0.00	92.93	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	113.32	--	20.79	0.00	92.53	--	--	--	--	--	--	--	--
02/22/06	113.32	--	19.49	0.00	93.83	--	--	--	--	--	--	--	--
04/17/06	113.32	--	26.22	0.00	87.10	--	--	--	--	--	--	--	--
08/09/06	113.32	--	25.85	0.00	87.47	**14,000**	<2,300	**15,000**	**1,900**	1,000	590	**1,700**	--
10/17/06	113.32	--	27.06	0.00	86.26	--	--	--	--	--	--	--	--
04/17/07	113.32	--	27.12	0.00	86.20	--	--	--	--	--	--	--	--
12/04/07	113.32	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/28-05/01/08	113.12	--	22.28	0.00	90.84	**8,600**	**1,200**	360	3	0.7	5	3	--
11/10/08	113.12	--	20.93	0.00	92.19	**3,200**	<660	<50	0.6	<0.5	<0.5	<0.5	--
11/10/08 (D)	113.12	--	--	--	--	**3,200**	<660	<50	0.6	<0.5	<0.5	<0.5	--
04/13-16/09	113.12	--	20.18	0.00	92.94	**26,000**	**3,000**	**1,100**	**31**	0.8	<0.5	2	--
04/13-16/09 (D)	113.12	--	--	--	--	--	--	**1,000**	**30**	0.8	2	3	--
10/12-15/09	113.12	--	20.28	0.00	92.84	**5,100**	<660	**1,200**	16	1	0.5	2	--
10/12-15/09 (D)	113.12	--	--	0.00	--	--	--	**1,200**	16	0.9	<0.5	1	--
04/19-22/10	113.12	--	18.83	0.00	94.29	--	--	630	20	0.7	<0.5	0.6	--
04/19-22/10 (D)	113.12	--	--	--	--	--	--	650	**24**	0.9	0.6	1	--
01/17-20/11	113.12	--	18.24	0.00	94.88	**12,000**	**4,600**	90	4	<0.5	<0.5	<0.5	--
01/17-20/11 (D)	113.12	--	--	--	--	--	--	130	3	<0.5	<0.5	<0.5	--
05/10-12/11	113.12	--	18.32	0.00	94.80	**12,000**	**1,500**	600	12	0.7	1	0.9	--
05/10-12/11 (D)	113.12	--	--	--	--	--	--	560	12	0.6	1	0.9	--
05/07-08/12	113.12	--	18.50	0.00	94.62	**540**	<70	250	1	<0.5	<0.5	<0.5	--
05/07-08/12 (D)	113.12	--	--	--	--	--	--	<50	0.7	<0.5	<0.5	<0.5	--
11/12-14/12	113.12	--	19.74	0.00	93.38	**1,600**	190	370	9	1	2	3	--
11/12-14/12 (D)	113.12	--	--	--	--	--	--	100	4	<0.5	0.7	0.7	--
5/20-22/13	113.12	--	18.47	0.00	94.65	**600**	<71	220	5	<0.5	0.5	0.6	--
5/20-22/13 (D)	113.12	--	--	--	--	--	--	280	5	<0.5	0.5	0.6	--
11/11-13/13	113.12	--	19.87	0.00	93.25	340	<70	94	2	<0.5	0.5	0.5	--
11/11-13/13 (D)	113.12	--	--	--	--	--	--	97	3	<0.5	0.6	0.5	--
MW-9													
11/03/86	114.65	--	22.56	0.00	92.09	--	--	--	--	--	--	--	--
09/90	114.40	--	21.28	0.00	93.12	--	--	--	--	--	--	--	--
03/26-28/91	114.65	20.44	20.61	0.17	94.18	--	--	--	**1,600**	2,900	250	**3,100**	--
06/25/93	114.65	--	20.12	0.00	94.53	--	--	--	--	--	--	--	--

TABLE 1

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631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-9 (cont.)													
07/07/93	114.65	--	20.11	0.00	94.54	--	--	--	--	--	--	--	--
10/95	114.65	--	--	--	--	--	--	**3,400**	**3,520**	70 J	<200	312 J	--
01/97	114.65	--	--	--	--	--	--	**4,400**	**2,600**	53	310	285	--
04/97	114.65	--	--	--	--	--	--	**9,100**	**2,980**	173	413	674	--
07/97	114.65	--	--	--	--	--	--	**2,200 J**	**2,680**	127	460	620 J	--
11/97	114.65	--	--	--	--	--	--	**5,000**	**2,010**	80	334	400	--
12/15/99	114.65	--	--	--	--	**8,510**	<500	**4,460**	**831**	22.4	274	138	--
06/14/00	114.65	--	--	--	--	**6,070**	<500	**4,740**	**786**	26.0	274	156	--
10/17-18/02	114.27	--	20.88	0.00	93.39	**43,600**	**671**[5]	**6,380**	**493**	13.0	230	107	2.66
01/21/03	114.27	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
04/23-24/03	114.27	--	20.04	0.00	94.23	**3,680**	<500	**6,760**	**388**	15.9	277	105	1.31[13]
06/30-07/01/03	114.27	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
10/01-02/03	114.27	--	21.26	0.00	93.01	**33,000**	<5,000	**3,500**	**110**	30	100	<100	3.9[13]
01/21-23/04	114.27	--	20.36	0.00	93.91	**100,000**	<5,100	**2,300**	7.2	2.4	45	19	5.5[13]
04/29-30/04	114.27	--	20.38	0.00	93.89	**92,000**	<5,000	**1,200**	2.0	1.2	10	7.8	4.8[13]
07/15-16/04	114.27	--	20.71	0.00	93.56	**2,540**	<500	**9,540**	3.84	10.4	25.9	31.6	2.54[13]
08/03/04	114.27	--	20.92	0.00	93.35	--	--	--	--	--	--	--	--
10/28-11/01/04	114.27	--	21.22	0.00	93.05	**3,900**	420	300	1.4	0.5	1.9	<3.0	--
01/24-31/05	114.27	--	20.66	0.00	93.61	**140,000**	<5,300	730	1.7	<1.0	2.7	<6.0	--
04/18-21/05	114.27	--	20.59	0.00	93.68	**14,000**	<630	480	1.4	<1.0	5.7	3.1	--
07/27-28/05	114.27	--	20.65	0.00	93.62	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	114.27	--	21.29	0.00	92.98	NOT SAMPLED		--	--	--	--	--	--
02/22/06	114.27	--	19.75	0.00	94.52	--	--	--	--	--	--	--	--
04/17/06	114.27	--	22.55	0.00	91.72	--	--	--	--	--	--	--	--
08/09/06	114.27	--	22.80	0.00	91.47	**2,700**	<540	450	**66**	1.9	0.8	47	--
10/17/06	114.27	--	24.12	0.00	90.15	--	--	--	--	--	--	--	--
04/17/07	114.27	--	23.37	0.00	90.90	--	--	--	--	--	--	--	--
12/04-05/07	114.27	--	23.15	0.00	91.12	**2,200**	280	<50	<0.5	<0.5	<0.5	<1.5	--
05/01/08	114.27	--	NOT SAMPLED, FILLED WITH MUD				--	--	--	--	--	--	--
11/10/08	114.27	--	21.29	0.00	92.98	**2,000**	97	130	0.5	<0.5	<0.5	<0.5	--
04/13-16/09	114.27	--	24.60	0.00	89.67	**1,100**	69	160	0.7	<0.5	<0.5	<0.5	--
10/12-15/09	114.27	--	20.67	0.00	93.60	**960**	<66	83	<0.5	<0.5	<0.5	<0.5	--
04/19-22/10	114.27	--	19.04	0.00	95.23	**1,200**	190	130	1	<0.5	<0.5	<0.5	--
01/17-20/11	114.27	--	18.65	0.00	95.62	**6,400**	**1,400**	280	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	114.27	--	18.68	0.00	95.59	**2,200**	260	160	<0.5	<0.5	<0.5	<0.5	--

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631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-9 (cont.)													
05/07-08/12	114.27	---	18.88	0.00	95.39	**1,500**	<67	230	<0.5	<0.5	<0.5	<0.5	---
11/12-14/12	114.27	---	20.09	0.00	94.18	**2,700**	150	190	<0.5	<0.5	<0.5	<0.5	---
5/20-22/13	114.27	---	18.19	0.00	96.08	**1,400**	<68	240	<0.5	<0.5	<0.5	<0.5	---
11/11-13/13	114.27	---	20.21	0.00	94.06	400	<71	180	<0.5	<0.5	<0.5	<0.5	---
MW-10													
11/03/86	115.75	---	14.84	0.00	100.91	---	---	---	---	---	---	---	---
09/90	115.49	---	14.75	0.00	100.74	---	---	---	---	---	---	---	---
03/26-28/91	115.75	---	13.14	0.00	102.61	---	---	---	<5	<5	<5	<5	---
03/26-28/91(D)	115.75	---	---	---	---	---	---	---	<5	<5	<5	<5	---
06/25/93	115.75	---	13.63	0.00	102.12	---	---	---	---	---	---	---	---
07/07/93	115.75	---	13.81	0.00	101.94	---	---	380	13	<5.0	11	24	---
10/95	115.75	---	---	---	---	---	---	780	1.8	2.9	0.82 J	5.6	---
01/97	115.75	---	---	---	---	---	---	180	1.5	<1	<1	<2	---
04/97	115.75	---	---	---	---	---	---	420	5.1	1	<1	2.0 J	---
07/97	115.75	---	---	---	---	---	---	**1,100**	10	2.1	2.4	4.34 J	---
11/97	115.75	---	---	---	---	---	---	**1,000**	4.2	2	4.8	2.2 J	---
09/09/99	115.75	---	13.36	0.00	102.39	---	---	---	---	---	---	---	---
12/15/99	115.75	---	---	---	---	353	<500	618	7.02	<0.910	<0.850	<4.22	---
06/14/00	115.75	---	---	---	---	<250	<500	99.2	1.56	ND	ND	ND	---
07/24/02	115.28	---	13.14	0.00	102.14	320	**600**	240	2.5	<0.50	<1.0	<1.5	1.3
10/17-18/02	115.28	---	13.59	0.00	101.69	**667**	<500	490	3.42	<0.500	1.34	5.00	<1.00
01/21/03	115.28	---	12.46	0.00	102.82	<250	<500	416	3.44	0.550	0.519	3.24	<1.00
04/23-24/03	115.28	---	11.76	0.00	103.52	---[9]	---[9]	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[13]
06/30-07/01/03	115.28	---	12.91	0.00	102.37	<250	<500	255	2.01	<0.500	0.535	2.53	<1.00[13]
10/01-02/03	115.28	---	13.68	0.00	101.60	<250	<250	190	2.6	<0.5	0.5	<3.0	<1.2[13]
01/21-23/04	115.28	---	11.99	0.00	103.29	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	<1.2[13]
04/29-30/04	115.28	---	13.23	0.00	102.05	<250	<250	<50	1.5	<0.5	<0.5	<1.5	<0.99[13]
07/15-16/04	115.28	---	13.44	0.00	101.84	<250	<500	362	2.75	<0.500	0.549	3.45	<1.00[13]
08/03/04	115.28	---	13.53	0.00	101.75	---	---	---	---	---	---	---	---
10/28-11/01/04	115.28	---	13.31	0.00	101.97	<82	<100	210	4.1	<0.5	1.2	2.1	---
01/24-31/05	115.28	---	12.36	0.00	102.92	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	---
04/18-21/05	115.28	---	12.70	0.00	102.58	NOT SAMPLED		---	---	---	---	---	---
07/27-28/05	115.28	---	13.39	0.00	101.89	NOT SAMPLED		---	---	---	---	---	---
11/08-10/05	115.28	---	13.11	0.00	102.17	---	---	---	---	---	---	---	---
02/22/06	115.28	---	11.84	0.00	103.44	---	---	---	---	---	---	---	---
04/17/06	115.28	---	14.66	0.00	100.62	---	---	---	---	---	---	---	---

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-10 (cont.)													
10/17/06	115.28	--	14.68	0.00	100.60	--	--	--	--	--	--	--	--
04/17-19/07	115.28	--	13.05	0.00	102.23	<75	<94	100	1.4	<0.5	<0.5	<1.5	--
12/04-05/07	115.28	--	14.33	0.00	100.95	<78	<98	150	2.0	<2.0	0.9	<5.0	--
04/28-05/01/08	115.28	--	12.71[5]	0.00	102.57	<77	<97	<50	0.8	<0.5	<0.5	<0.5	--
11/10/08	115.28	--	12.66	0.00	102.62	<30	<69	<50	0.7	<0.5	<0.5	<0.5	--
04/13-16/09	115.28	--	12.11	0.00	103.17	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	115.28	--	12.23	0.00	103.05	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
04/19-22/10	115.28	--	11.93	0.00	103.35	<31	<73	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11	115.28	--	10.62	0.00	104.66	<59[19]	250[19]	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	115.28	--	12.02	0.00	103.26	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	--
05/07-08/12	115.28	--	11.92	0.00	103.36	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12	115.28	--	12.28	0.00	103.00	<30	230	180	<0.5	<0.5	<0.5	<0.5	--
5/20-22/13	115.28	--	12.35	0.00	102.93	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	--
11/11-13/13	115.28	--	12.54	0.00	102.74	<31	<73	<50	<0.5	<0.5	<0.5	<0.5	--
MW-11													
03/26-28/91	97.32	--	11.70	0.00	85.62	--	--	--	<5	<5	<5	<5	--
07/24/02	--	--	11.16	0.00	--	<250	<250	<50	<0.50	<0.50	<0.50	<1.5	<1.2
10/17-18/02	--	--	11.43	0.00	--	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00
01/21/03	--	--	11.29	0.00	--	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00
04/23-24/03	--	--	11.09	0.00	--	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[13]
06/30-07/01/03	--	--	11.39	0.00	--	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[13]
10/01-02/03	--	--	12.10	0.00	--	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	<1.2[13]
01/21-23/04	--	--	11.69	0.00	--	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	<1.2[13]
04/29-30/04	--	--	11.41	0.00	--	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	<0.99[13]
07/15-16/04	--	--	11.58	0.00	--	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[13]
08/03/04	97.32	--	11.65	0.00	85.67	NOT SAMPLED		--	--	--	--	--	--
10/28-11/01/04	97.32	--	11.73	0.00	85.59	<78	<98	<50	<0.5	<0.5	<0.5	<1.5	--
01/24-31/05	97.32	--	11.35	0.00	85.97	NOT SAMPLED		--	--	--	--	--	--
04/18-21/05	97.32	--	11.41	0.00	85.91	NOT SAMPLED		--	--	--	--	--	--
07/27-28/05	97.32	--	11.44	0.00	85.88	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	97.32	--	11.52	0.00	85.80	--	--	--	--	--	--	--	--
04/17/06	97.32	--	11.29	0.00	86.03	--	--	--	--	--	--	--	--
08/08/06	97.32	--	11.26	0.00	86.06	--	--	--	--	--	--	--	--
10/17/06	97.32	--	11.39	0.00	85.93	--	--	--	--	--	--	--	--
04/17/07	97.32	--	11.29	0.00	86.03	--	--	--	--	--	--	--	--
12/04/07	97.32	NOT SAMPLED, OBSTRUCTION IN WELL AT 10.98 FEET BGS						--	--	--	--	--	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-11 (cont)													
04/28/08	97.32	NOT SAMPLED, OBSTRUCTION IN WELL AT 11.01 FEET BGS											
11/03/08	97.32	NOT SAMPLED, OBSTRUCTION IN WELL AT 11 FEET BGS											
04/13-16/09	97.32	OBSTRUCTION IN WELL											
10/12-15/09	97.32	OBSTRUCTION IN WELL											
04/19-22/10	97.32	OBSTRUCTION IN WELL											
01/17-20/11	97.32	OBSTRUCTION IN WELL											
05/10-12/11	97.32	OBSTRUCTION IN WELL											
05/07-08/12	97.32	OBSTRUCTION IN WELL											
11/12-14/12	97.32	OBSTRUCTION IN WELL											
5/20-22/13	97.32	OBSTRUCTION IN WELL											
11/11-13/13	97.32	OBSTRUCTION IN WELL											
MW-12													
10/17-18/02	113.36	--	12.22	0.00	101.14	<250	<500	<50.0	0.516	0.869	<0.500	<1.00	--
01/21/03	113.36	--	11.72	0.00	101.64	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00
04/23-24/03	113.36	--	11.04	0.00	102.32	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[13]
06/30-07/01/03	113.36	--	11.32	0.00	102.04	**1,690**	<500	**1,040**	2.91	1.05	10.0	26.5	<1.00[13]
10/01-02/03	113.36	--	12.12	0.00	101.24	470	<250	69	1.2	<0.5	<0.5	<1.5	<1.2[13]
01/21-23/04	113.36	--	10.02	0.00	103.34	**1,500**	**5,700**	<50	<0.5	<0.5	<0.5	<1.5	<1.2[13]
04/29-30/04	113.36	--	10.59	0.00	102.77	260	440	<50	<0.5	<0.5	<0.5	<1.5	<0.99[13]
07/15-16/04	113.36	--	11.44	0.00	101.92	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[13]
08/03/04	113.36	--	12.55	0.00	100.81	NOT SAMPLED							
10/28-11/01/04	113.36	--	12.03	0.00	101.33	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--
01/24-31/05	113.36	--	12.22	0.00	101.14	NOT SAMPLED							
04/18-21/05	113.36	--	12.27	0.00	101.09	NOT SAMPLED							
07/27-28/05	113.36	--	12.31	0.00	101.05	NOT SAMPLED							
11/08-10/05	113.36	--	12.29	0.00	101.07	NOT SAMPLED							
02/22/06	113.36	--	10.70	0.00	102.66	--	--	--	--	--	--	--	--
04/17/06	113.36	--	11.53	0.00	101.83	--	--	--	--	--	--	--	--
10/17/06	113.36	--	12.60	0.00	100.76	--	--	--	--	--	--	--	--
04/17/07	113.36	--	12.14	0.00	101.22	--	--	--	--	--	--	--	--
12/04/07	113.36	--	12.38	0.00	100.98	--	--	--	--	--	--	--	--
04/28/08	113.36	--	12.05[16]	0.00	101.31	--	--	--	--	--	--	--	--
11/03/08	113.36	--	12.16	0.00	101.20	--	--	--	--	--	--	--	--
04/13-16/09	113.36	--	11.71	0.00	101.65	--	--	--	--	--	--	--	--
10/12-15/09	113.36	--	11.99	0.00	101.37	--	--	--	--	--	--	--	--

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-12 (cont.)													
04/19-22/10	113.36	--	11.28	0.00	102.08	--	--	--	--	--	--	--	--
01/17-20/11	113.36	--	11.02	0.00	102.34	--	--	--	--	--	--	--	--
05/10-12/11	113.36	--	11.43	0.00	101.93	--	--	--	--	--	--	--	--
05/07-08/12	113.36	--	10.90	0.00	102.46	--	--	--	--	--	--	--	--
11/12-14/12	113.36	--	11.10	0.00	102.26	--	--	--	--	--	--	--	--
5/20-22/13	113.36	--	11.24	0.00	102.12	--	--	--	--	--	--	--	--
11/11-13/13	113.36	--	11.29	0.00	102.07	--	--	--	--	--	--	--	--
MW-13													
10/17-18/02	114.80	--	19.31/DRY	0.00	95.49	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
01/21/03	114.80	--	19.01/DRY	0.00	95.79	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/23-24/03	114.80	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
06/30-07/01/03	114.80	--	18.72	0.00	96.08	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
10/01-02/03	114.80	--	19.32/DRY	0.00	95.48	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
01/21-23/04	114.80	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
04/29-30/04	114.80	--	18.72	0.00	96.08	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
07/15-16/04	114.80	--	19.16	0.00	95.64	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
08/03/04	114.80	--	19.26	0.00	95.54	--	--	--	--	--	--	--	--
10/28-11/01/04	114.80	--	19.37	0.00	95.43	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
01/24-31/05	114.80	--	19.19	0.00	95.61	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/18-21/05	114.80	--	18.97	0.00	95.83	NOT SAMPLED		--	--	--	--	--	--
07/27-28/05	114.80	--	19.06	0.00	95.74	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	114.80	--	19.40	0.00	95.40	NOT SAMPLED		--	--	--	--	--	--
02/22/06	114.80	--	18.03	0.00	96.77	--	--	--	--	--	--	--	--
04/17/06	114.80	--	19.45	0.00	95.35	--	--	--	--	--	--	--	--
10/17/06	114.80	--	19.28	0.00	95.52	--	--	--	--	--	--	--	--
04/17/07	114.80	--	19.62	0.00	95.18	--	--	--	--	--	--	--	--
12/04/07	114.80	--	19.53	0.00	95.27	--	--	--	--	--	--	--	--
04/28/08	114.80	--	19.25[16]	0.00	95.55	--	--	--	--	--	--	--	--
11/03/08	114.80	--	19.08	0.00	95.72	--	--	--	--	--	--	--	--
04/13-16/09	114.80	--	18.18	0.00	96.62	--	--	--	--	--	--	--	--
10/12-15/09	114.80	--	18.43	0.00	96.37	--	--	--	--	--	--	--	--
04/19-22/10	114.80	--	17.08	0.00	97.72	--	--	--	--	--	--	--	--
01/17-20/11	114.80	--	16.80	0.00	98.00	--	--	--	--	--	--	--	--
05/10-12/11	114.80	--	16.52	0.00	98.28	--	--	--	--	--	--	--	--
05/07-08/12	114.80	--	16.87	0.00	97.93	--	--	--	--	--	--	--	--

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TABLE 1

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FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-13 (cont.)													
11/12-14/12	114.80	--	17.98	0.00	96.82	--	--	--	--	--	--	--	--
5/20-22/13	114.80	--	16.94	0.00	97.86	--	--	--	--	--	--	--	--
11/11-13/13	114.80	--	17.97	0.00	96.83	--	--	--	--	--	--	--	--
MW-14													
10/17-18/02	101.64	--	--	--	--	--	--	--	--	--	--	--	--
11/14/02	101.64	--	11.88	0.00	89.76	**4,710**	<500	**43,100**[6]	**9,900**[6]	4,930[6]	1,540[6]	**6,020**[6]	1.82
01/21/03	101.64	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
04/23-24/03	101.64	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
06/30-07/01/03	101.64	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
10/01-02/03	101.64	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
10/14/03	101.64	--	--	--	--	**2,100**	130	**69,000**	**12,000**	9,900	1,600	**7,900**	--
01/21-23/04	101.64	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
04/29-30/04	101.64	--	11.12	0.00	90.52	**1,500**	<250	**27,000**	**4,800**	2,500	910	**3,300**	<0.99[13]
07/15-16/04	101.64	--	11.46	0.00	90.18	**836**[7]	<500	**61,800**	**10,400**	5,550	1,350	**5,890**	<1.00[13]
10/26-27/04	101.64	--	--	--	--	<800	<1,000	**57,000**	**13,000**	11,000	1,500	**8,300**	--
10/28-11/01/04	101.64	--	11.94	0.00	89.70	--	--	--	--	--	--	--	--
01/24-31/05	101.64	--	11.37	0.00	90.27	470	<250	**24,000**	**4,400**	2,300	760	**3,300**	--
04/18-21/05	101.64	--	11.19	0.00	90.45	**1,500**	<250	**23,000**	**5,000**	2,500	860	**3,700**	--
07/27-28/05	101.64	--	11.36	0.00	90.28	**2,300**	<250	**24,000**	**5,000**	2,200	760	**3,300**	--
11/08-10/05	101.64	--	11.82	0.00	89.82	**2,600**	<520	**37,000**	**8,900**	4,600	1,100	**4,900**	--
04/17/06	101.56	--	11.26	0.00	90.30	**1,900**	<100	**40,000**	**4,400**	3,300	1,300	**7,200**	--
08/08/06	101.56	--	13.10	0.00	88.46	**6,800**	<1,000	**52,000**	**4,200**	3,900	1,500	**8,600**	--
10/17/06	101.56	--	13.65	0.00	87.91	--	--	--	--	--	--	--	--
04/17/07	101.56	--	15.54	0.00	86.02	**1,600**	<100	**11,000**	**920**	120	590	**1,300**	--
12/04/07	101.56	--	17.99	0.00	83.57	**3,400**	<470	**3,300**	**48**	5.6	200	16	--
04/28/08	101.56	--	16.92[16]	0.00	84.64	**1,400**	<99	**1,200**	**61**	4	140	21	--
11/04/08	101.56	--	13.66	0.00	87.90	**2,900**	<130	**8,400**	**38**	3	44	6	--
04/13-16/09	101.56	--	12.03	0.00	89.53	**8,800**	<660	**6,200**	15	3	11	4	--
10/12-15/09	101.56	--	12.21	0.00	89.35	**5,200**	<700	**4,000**	13	2	8	3	--
04/19-22/10	101.56	--	10.41	0.00	91.15	**3,200**	350	**1,600**	16	2	7	2	--
01/17-20/11	101.56	--	9.94	0.00	91.62	**3,300**	**840**	**3,000**	12	2	3	2	--
05/10-12/11	101.56	--	9.87	0.00	91.69	**2,500**	350	**3,400**	11	3	3	8	--
05/07-08/12	101.56	--	10.17	0.00	91.39	**550**	<67	**6,600**	14	5	25	120	--
11/12-14/12	101.56	--	11.41	0.00	90.15	500	<70	**4,500**	13	5	18	110	--
5/20-22/13	101.56	--	10.16	0.00	91.40	320	<69	**6,900**	15	4	20	91	--
11/11-13/13	101.56	--	11.69	0.00	89.87	280	<71	**5,800**	10	4	12	57	--

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-15													
10/17-18/02	99.03	--	--	--	--	--	--	--	--	--	--	--	--
11/14/02	99.03	--	9.44	0.00	89.59	**780**	<500	**3,280**	**1,640**	5.23	5.06	<10.0	1.04
01/21/03	99.03	--	9.29	0.00	89.74	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00
04/23-24/03	99.03	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
06/30-07/01/03	99.03	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
10/01-02/03	99.03	--	9.72	0.00	89.31	410	<250	**810**	**1,700**	60	48	110	<1.2[13]
01/21-23/04	99.03	--	8.94	0.00	90.09	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	<1.2[13]
04/29-30/04	99.03	--	8.19	0.00	90.84	**700**	390	<50	<0.5	<0.5	<0.5	<1.5	<0.99[13]
07/15-16/04	99.03	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
08/03/04	99.03	--	13.82	0.00	85.21	--	--	--	--	--	--	--	--
10/26-27/04	99.03	--	--	--	--	<800	<1,000	**1,700**	**230**	99	99	260	--
10/28-11/01/04	99.03	--	9.65	0.00	89.38	--	--	--	--	--	--	--	--
01/24-31/05	99.03	--	9.00	0.00	90.03	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--
04/18-21/05	99.03	--	8.98	0.00	90.05	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--
07/27-28/05	99.03	--	9.31	0.00	89.72	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	99.03	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
02/22/06	99.03	--	8.21	0.00	90.82	--	--	--	--	--	--	--	--
04/17/06	99.03	--	8.67	0.00	90.36	--	--	--	--	--	--	--	--
10/18/06	99.03	--	11.12	0.00	87.91	--	--	--	--	--	--	--	--
04/17/07	99.03	--	13.81	0.00	85.22	<82	<100	<50	<0.5	<0.5	<0.5	<1.5	--
12/04/07	99.03	--	16.46	0.00	82.57	<76	<95	<50	0.9	<0.5	<0.5	<1.5	--
04/28/08	99.03	--	14.68[16]	0.00	84.35	--	--	--	--	--	--	--	--
12/11/08[17]	99.03	--	11.35	0.00	87.68	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--
04/13-16/09	99.03	--	9.79	0.00	89.24	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	99.03	--	10.11	0.00	88.92	**980**	<69	<50	<0.5	<0.5	<0.5	<0.5	--
04/19-22/10	99.03	--	8.85	0.00	90.18	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11	99.03	--	8.02	0.00	91.01	100[19]	370[19]	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	99.03	--	7.76	0.00	91.27	<32	<75	<50	<0.5	<0.5	<0.5	<0.5	--
05/07-08/12	99.03	--	8.00	0.00	91.03	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12	99.03	--	9.10	0.00	89.93	<30	<70	<50	2	<0.5	<0.5	0.6	--
5/20-22/13	99.03	--	7.99	0.00	91.04	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
11/11-13/13	99.03	--	9.52	0.00	89.51	<31	<72	<50	0.6	<0.5	<0.5	<0.5	--
MW-16													
10/17-18/02	101.83	--	--	--	--	--	--	--	--	--	--	--	--
11/14/02	101.83	--	12.36	0.00	89.47	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00
01/21/03	101.83	--	11.88	0.00	89.95	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-16 (cont.)													
04/23-24/03	101.83	INACCESSIBLE - VEHICLE PARKED OVER WELL					---	---	---	---	---	---	---
06/30-07/01/03	101.83	INACCESSIBLE - VEHICLE PARKED OVER WELL					---	---	---	---	---	---	---
10/01-02/03	101.83	INACCESSIBLE - VEHICLE PARKED OVER WELL					---	---	---	---	---	---	---
10/14/03	101.83	---	---	---	---	<160	<200	740	**26**	1.0	3.8	3.6	---
01/21-23/04	101.83	INACCESSIBLE - VEHICLE PARKED OVER WELL					---	---	---	---	---	---	---
04/29-30/04	101.83	INACCESSIBLE - VEHICLE PARKED OVER WELL					---	---	---	---	---	---	---
05/03/04	101.83	---	---	---	---	<75	<94	150	2.1	<0.5	1.7	<1.5	---
07/15-16/04	101.83	---	11.89	0.00	89.94	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[13]
08/03/04	101.83	---	12.03	0.00	89.80	---	---	---	---	---	---	---	---
10/26-27/04	101.83	---	---	---	---	<800	<1,000	220	9.1	1.1	5.7	2.3	---
10/28-11/01/04	101.83	---	12.42	0.00	89.41	---	---	---	---	---	---	---	---
01/24-31/05	101.83	---	11.91	0.00	89.92	<250	<250	210	8.4	1	6.0	3.2	---
04/18-21/05	101.83	---	11.69	0.00	90.14	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	---
07/27-28/05	101.83	---	11.81	0.00	90.02	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	---
11/08-10/05	101.83	---	12.36	0.00	89.47	<79	<99	<48	0.9	<0.5	0.7	<1.5	---
04/17/06	101.75	---	11.59	0.00	90.16	<81	100	<48	<0.5	<0.5	<0.5	<1.5	---
08/08/06	101.75	---	13.33	0.00	88.42	---	---	---	---	---	---	---	---
10/17/06	101.75	---	14.08	0.00	87.67	---	---	---	---	---	---	---	---
04/17/07	101.75	---	16.24	0.00	85.51	---	---	---	---	---	---	---	---
12/04/07	101.75	---	18.33	0.00	83.42	---	---	---	---	---	---	---	---
04/28-05/02/08	101.75	---	17.49[16]	0.00	84.26	<79	<99	<50	<0.5	<0.5	<0.5	<0.5	---
11/06/08	101.75	---	14.13	0.00	87.62	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	---
04/13-16/09	101.75	---	12.48	0.00	89.27	<31	<72	<50	<0.5	<0.5	<0.5	<0.5	---
10/12-15/09	101.75	---	12.65	0.00	89.10	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	---
04/19-22/10	101.75	---	10.85	0.00	90.90	<31	<73	<50	<0.5	<0.5	<0.5	<0.5	---
01/17-20/11	101.75	---	10.25	0.00	91.50	53	290	<50	<0.5	<0.5	<0.5	<0.5	---
05/10-12/11	101.75	---	10.24	0.00	91.51	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	---
05/07-08/12	101.75	---	10.55	0.00	91.20	<30	<71	<50	<0.5	<0.5	<0.5	<0.5	---
11/12-14/12	101.75	---	11.80	0.00	89.95	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	---
5/20-22/13	101.75	---	10.63	0.00	91.12	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	---
11/11-13/13	101.75	---	12.12	0.00	89.63	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	---
MW-17													
10/17-18/02	99.29	---	---	---	---	---	---	---	---	---	---	---	---
11/14/02	99.29	---	10.00	0.00	89.29	<250	<500	**2,780**	**569**	31.0	91.1	250	<1.00
01/21/03	99.29	---	9.62	0.00	89.67	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00
04/23-24/03	99.29	INACCESSIBLE - VEHICLE PARKED OVER WELL					---	---	---	---	---	---	---

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-17 (cont.)													
06/30-07/01/03	99.29	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
10/01-02/03	99.29	--	10.30	0.00	88.99	<250	<250	**1,100**	**420**	69	38	130	<1.2[13]
01/21-23/04	99.29	--	9.48	0.00	89.81	<250	<250	<50	1.6	<0.5	<0.5	<1.5	<1.2[13]
04/29-30/04	99.29	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
05/03/04	99.29	--	--	--	--	190	<95	**2,300**	**370**	20	89	100	--
07/15-16/04	99.29	--	9.81	0.00	89.48	<250	<500	**1,310**	**171**	8.98	43.1	83.5	**23.7**[13]
08/03/04	99.29	--	9.90	0.00	89.39	--	--	--	--	--	--	--	--
10/28-11/01/04	99.29	--	10.11	0.00	89.18	<400	<500	**5,600**	**1,900**	280	230	700	--
01/24-31/05	99.29	--	9.42	0.00	89.87	<250	<250	310	**160**	4.9	17	27	--
02/17/05	99.29	--	9.37	0.00	89.92	<76	<95	**1,000**	**320**	12	41	52	--
04/18-21/05	99.29	--	9.32	0.00	89.97	<250	750	<50	18	0.6	<0.5	<3.0	--
07/27-28/05	99.29	--	9.64	0.00	89.65	<250	<250	730	**230**	9.3	17	26	--
11/08-10/05	99.29	--	9.98	0.00	89.31	<76	<95	110	**65**	2.0	1.5	4.9	--
04/17-19/06	99.29	--	9.26	0.00	90.03	<79	<98	<48	0.7	<0.5	<0.5	<1.5	--
08/08/06	99.29	--	10.98	0.00	88.31	--	--	**1,200**	**400**	41	39	130	--
10/17/06	99.29	--	11.65	0.00	87.64	--	--	--	--	--	--	--	--
04/17/07	99.29	--	14.21	0.00	85.08	490	<100	**4,500**	**1,100**	26	300	350	--
12/04/07	99.29	--	17.02	0.00	82.27	95	<96	690	**42**	2.4	58	55	--
04/28-05/01/08	99.29	--	15.24[16]	0.00	84.05	<82	<100	190	**32**	<0.5	19	0.6	--
11/06/08	99.29	--	11.73	0.00	87.56	160	<70	67	22	<0.5	<0.5	<0.5	--
11/6/08 (D)	99.29	--	--	--	--	150	<66	110	**30**	0.6	<0.5	<0.5	--
04/13-16/09	99.29	--	10.15	0.00	89.14	150	<77	<50	5	<0.5	<0.5	<0.5	--
04/13-16/09 (D)	--	--	--	--	--	--	--	<50	3	<0.5	<0.5	<0.5	--
10/12-15/09	99.29	--	10.43	0.00	88.86	290	<68	81	3	<0.5	<0.5	<0.5	--
10/12-15/09 (D)	--	--	--	--	--	--	--	89	3	<0.5	<0.5	<0.5	--
04/19-22/10	99.29	--	8.81	0.00	90.48	<31	<71	<50	<0.5	<0.5	<0.5	<0.5	--
04/19-22/10 (D)	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11	99.29	--	8.13	0.00	91.16	<30	<71	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11 (D)	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	99.29	--	8.24	0.00	91.05	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11 (D)	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
05/07-08/12	99.29	--	8.40	0.00	90.89	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--
05/07-08/12 (D)	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12	99.29	--	9.52	0.00	89.77	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12 (D)	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-17 (cont.)													
5/20-22/13	99.29	--	8.33	0.00	90.96	<29	<67	230	3	<0.5	<0.5	<0.5	--
5/20-22/13 (D)	--	--	--	--	--	--	--	240	3	<0.5	<0.5	<0.5	--
11/11-13/13	99.29	--	9.87	0.00	89.42	<29	<67	91	0.8	<0.5	<0.5	<0.5	--
11/11-13/13 (D)	99.29	--	--	--	--	--	--	76	0.8	<0.5	<0.5	<0.5	--
MW-18													
04/29-30/04	--	--	10.95	0.00	--	**1,700**	<250	**76,000**	**9,200**	11,000	1,400	**8,400**	<0.99[13]
08/03/04	101.52	--	11.66	0.00	89.86	--	--	--	--	--	--	--	--
10/28-11/01/04	101.52	--	11.72	0.00	89.80	230	<97	**42,000**	**4,700**	5,400	860	**4,300**	--
01/24-31/05	101.52	--	11.10	0.00	90.42	270	<250	**24,000**	**2,800**	3,400	600	**3,100**	--
04/18-21/05	101.52	--	10.91	0.00	90.61	**1,500**	<250	**20,000**	**2,500**	3,200	540	**2,900**	--
07/27-28/05	101.52	--	11.22	0.00	90.30	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	101.52	--	11.53	0.00	89.99	NOT SAMPLED		--	--	--	--	--	--
02/22/06	101.52	--	9.83	0.00	91.69	--	--	--	--	--	--	--	--
04/17/06	101.52	--	10.93	0.00	90.59	--	--	--	--	--	--	--	--
08/08/06	101.52	--	12.65	0.00	88.87	--	--	**1,100**	**210**	74	43	130	--
10/17/06	101.52	--	13.29	0.00	88.23	--	--	--	--	--	--	--	--
04/17/07	101.52	--	15.51	0.00	86.01	--	--	--	--	--	--	--	--
12/04/07	101.52	--	20.30	0.00	81.22	--	--	--	--	--	--	--	--
04/28-29/08	101.52	--	16.76[16]	0.00	84.76	190	<98	200	**140**	<0.5	<0.5	<0.5	--
12/11/08[17]	101.52	--	13.45	0.00	88.07	**1,900**	<67	790	**32**	0.9	1	1	--
04/13-16/09	101.52	--	11.81	0.00	89.71	**7,600**	<390	530	4	0.5	<0.5	1	--
10/12-15/09	101.52	--	12.13	0.00	89.39	**590**	<66	310	8	<0.5	<0.5	<0.5	--
04/19-22/10	101.52	--	10.25	0.00	91.27	**1,000**	<75	91	3	<0.5	<0.5	<0.5	--
01/17-20/11	101.52	--	9.73	0.00	91.79	270	270	<50	0.6	<0.5	<0.5	<0.5	--
05/10-12/11	101.52	--	9.83	0.00	91.69	280	<71	220	11	<0.5	<0.5	<0.5	--
05/07-08/12	101.52	--	10.00	0.00	91.52	<30	<69	<50	1	<0.5	<0.5	<0.5	--
11/12-14/12	101.52	--	11.25	0.00	90.27	37	<71	**1,500**	**48**	<5	<5	<5	--
5/20-22/13	101.52	--	10.05	0.00	91.47	<30	<69	500	10	<5	0.6	0.7	--
11/11-13/13	101.52	--	11.58	0.00	89.94	<30	<70	610	13	<5	0.8	1.0	--
MW-19													
04/29-30/04	--	--	10.63	0.00	--	**680**	<250	**18,000**	**1,700**	1,700	470	**2,400**	<0.99[13]
07/15-16/04	--	--	11.04	0.00	--	--	--	--	--	--	--	--	--
08/03/04	101.18	--	11.31	0.00	89.87	--	--	--	--	--	--	--	--
10/28-11/01/04	101.18	--	11.41	0.00	89.77	270	<100	**21,000**	**1,900**	1,400	880	**3,500**	--
01/24-31/05	101.18	--	10.78	0.00	90.40	280	<250	**25,000**	**1,700**	1,500	940	**3,700**	--
04/18-21/05	101.18	--	10.61	0.00	90.57	**1,200**	<250	**23,000**	**1,900**	1,400	1,000	**3,800**	--
07/27-28/05	101.18	--	10.92	0.00	90.26	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	101.18	--	11.25	0.00	89.93	NOT SAMPLED		--	--	--	--	--	--

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-19 (cont.)													
02/22/06	101.18	--	9.55	0.00	91.63	--	--	--	--	--	--	--	--
04/17/06	101.18	--	10.61	0.00	90.57	--	--	--	--	--	--	--	--
10/17/06	101.18	--	12.93	0.00	88.25	--	--	--	--	--	--	--	--
04/17/07	101.18	--	15.27	0.00	85.91	<75	<94	130	3.2	<0.5	<0.5	<1.5	--
12/04/07	101.18	--	19.80	0.00	81.38	<78	<98	<50	3.0	<0.5	<0.5	<1.5	--
04/28-29/08	101.18	--	16.45[16]	0.00	84.73	<78	<98	90	2	<0.5	<0.5	<0.5	--
11/03/08	101.18	--	13.14	0.00	88.04	--	--	--	--	--	--	--	--
04/13-16/09	101.18	--	11.50	0.00	89.68	--	--	--	--	--	--	--	--
10/12-15/09	101.18	--	11.83	0.00	89.35	--	--	--	--	--	--	--	--
04/19-22/10	101.18	--	10.06	0.00	91.12	--	--	--	--	--	--	--	--
01/17-20/11	101.18	--	9.45	0.00	91.73	--	--	--	--	--	--	--	--
05/10-12/11	101.18	--	9.56	0.00	91.62	--	--	--	--	--	--	--	--
05/07-08/12	101.18	--	9.70	0.00	91.48	--	--	--	--	--	--	--	--
11/12-14/12	101.18	--	10.92	0.00	90.26	--	--	--	--	--	--	--	--
5/20-22/13	101.18	--	9.78	0.00	91.40	--	--	--	--	--	--	--	--
11/11-13/13	101.18	--	11.27	0.00	89.91	--	--	--	--	--	--	--	--
MW-20													
10/28-11/01/04	105.64	--	8.91	0.00	96.73	<80	220	<50	<0.5	<0.5	<0.5	<1.5	--
01/24-31/05	105.64	--	5.94	0.00	99.70	NOT SAMPLED		--	--	--	--	--	--
04/18-21/05	105.64	--	6.39	0.00	99.25	NOT SAMPLED		--	--	--	--	--	--
07/27-28/05	105.64	--	7.88	0.00	97.76	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	105.64	--	8.08	0.00	97.56	NOT SAMPLED		--	--	--	--	--	--
02/22/06	105.64	--	6.56	0.00	99.08	NOT SAMPLED		--	--	--	--	--	--
04/17/06	105.64	--	6.64	0.00	99.00	NOT SAMPLED		--	--	--	--	--	--
08/08/06	105.64	--	8.00	0.00	97.64	NOT SAMPLED		--	--	--	--	--	--
10/17/06	105.64	--	8.32	0.00	97.32	NOT SAMPLED		--	--	--	--	--	--
04/17/07	105.64	--	6.93	0.00	98.71	NOT SAMPLED		--	--	--	--	--	--
12/04/07	105.64	--	5.46	0.00	100.18	NOT SAMPLED		--	--	--	--	--	--
04/28/08	105.64	--	7.07[16]	0.00	98.57	NOT SAMPLED		--	--	--	--	--	--
11/03/08	105.64	--	8.10	0.00	97.54	NOT SAMPLED		--	--	--	--	--	--
04/13-16/09	105.64	--	6.51	0.00	99.13	--	--	--	--	--	--	--	--
10/12-15/09	105.64	--	8.13	0.00	97.51	--	--	--	--	--	--	--	--
04/19-22/10	105.64	--	7.10	0.00	98.54	--	--	--	--	--	--	--	--
01/17-20/11	105.64	--	5.39	0.00	100.25	--	--	--	--	--	--	--	--
05/10-12/11	105.64	--	6.98	0.00	98.66	--	--	--	--	--	--	--	--
05/07-08/12	105.64	--	6.52	0.00	99.12	--	--	--	--	--	--	--	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-20 (cont.)													
11/12-14/12	105.64	--	7.92	0.00	97.72	--	--	--	--	--	--	--	--
5/20-22/13	105.64	--	7.50	0.00	98.14	--	--	--	--	--	--	--	--
11/11-13/13	105.64	--	7.94	0.00	97.70	--	--	--	--	--	--	--	--
MW-21													
08/03/04	94.76	--	25.89	0.00	68.87	--	--	--	--	--	--	--	--
08/12/04	94.76	--	25.89	0.00	68.87	140	160	120	**360**	<0.5	<0.5	3.1	<10
10/28-11/01/04	94.76	--	25.95	0.00	68.81	<800	<1,000	**31,000**	**5,200**	730	1,300	**4,500**	--
01/24-31/05	94.76	--	25.85	0.00	68.91	<250	<250	130	**230**	0.6	<0.5	4.3	--
02/17/05	94.76	--	25.82	0.00	68.94	<85	<110	130	**280**	<0.5	<0.5	<1.5	--
04/18-21/05	94.76	--	25.94	0.00	68.82	<250	<250	110	**230**	<0.5	<0.5	3.9	--
07/27-28/05	94.76	--	25.75	0.00	69.01	<250	<250	79	**220**	<0.5	<0.5	<3.0	--
11/08-10/05	94.76	--	25.96	0.00	68.80	<78	<97	110	**250**	<0.5	<0.5	<1.5	--
02/22/06	94.76	--	25.58	0.00	69.18	--	--	--	--	--	--	--	--
04/17/06	94.76	--	25.62	0.00	69.14	<79	<99	<48	**84**	<0.5	<0.5	<1.5	--
08/09/06	94.76	--	25.38	0.00	69.38	--	--	130	**170**	<0.5	<0.5	1.6	--
10/17/06	94.76	--	25.81	0.00	68.95	--	--	--	--	--	--	--	--
04/17-18/07	94.76	--	25.34	0.00	69.42	<81	<100	57	**130**	0.6	<0.5	<1.5	--
12/04-05/07	94.76	--	26.36	0.00	68.40	<76	<96	61	**140**	<0.5	<0.5	<1.5	--
04/28-05/01/08	94.76	--	26.42[16]	0.00	68.34	<78	<97	83	**160**	<0.5	<0.5	<0.5	--
11/06/08	94.76	--	26.23	0.00	68.53	<30	<70	79	**120**	<0.5	<0.5	<0.5	--
04/13-16/09	94.76	--	26.11	0.00	68.65	36	<78	89	**120**	<0.5	<0.5	<0.5	--
10/12-15/09	94.76	--	25.95	0.00	68.81	<29	<68	<50	**88**	<0.5	<0.5	<0.5	--
04/19-22/10	94.76	--	25.65	0.00	69.11	38	<70	67	**88**	<0.5	<0.5	<0.5	--
01/17-20/11	94.76	--	25.60	0.00	69.16	140	**630**	60	**100**	<0.5	<0.5	<0.5	--
05/10-12/11	94.76	--	25.40	0.00	69.36	89	<70	58	**82**	<0.5	<0.5	<0.5	--
05/07-08/12	94.76	--	25.65	0.00	69.11	<30	<70	<50	**70**	<0.5	<0.5	<0.5	--
11/12-14/12	94.76	--	25.76	0.00	69.00	<29	69	<50	**43**	<0.5	<0.5	<0.5	--
5/20-22/13	94.76	--	25.43	0.00	69.33	<29	<68	64	**69**	<0.5	<0.5	<0.5	--
11/11-13/13	94.76	--	25.69	0.00	69.07	<28	<66	63	**51**	<0.5	<0.5	<0.5	--
MW-22													
NOT MONITORED/SAMPLED, REPLACED BY WELL DPE-8, SEE DPE-8 FOR MW-22 DATA													
MW-23													
10/26-27/04	107.82	--	--	--	--	**42,000**	<5,000	**57,000**	--	--	--	--	--
10/28/04	107.82	--	9.64	0.00	98.18	--	--	--	--	--	--	--	--
10/28-11/01/04	107.82	--	13.50	0.00	94.32	--	--	--	--	--	--	--	--
01/24-31/05	107.82	--	5.32	0.00	102.50	**13,000**	<4,100	**19,000**	**190**	210	710	**3,600**	--
04/18-21/05	107.82	--	8.78	0.00	99.04	**2,400**	<250	**54,000**	**630**	7,000	1,700	**9,200**	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-23 (cont.)													
07/27-28/05	107.82	--	9.71	0.00	98.11	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	107.82	--	9.69	0.00	98.13	NOT SAMPLED		--	--	--	--	--	--
04/17/06	107.82	--	9.91	0.00	97.91	--	--	--	--	--	--	--	--
04/18/07	107.82	--	9.17	0.00	98.65	**7,100**	<530	**3,500**	**27**	30	31	310	--
12/06/07	107.82	--	7.85	0.00	99.97	**7,200**	<940	310	<0.5	0.6	16	46	--
04/29/08	107.82	--	8.90[16]	0.00	98.92	--	--	--	--	--	--	--	--
11/03/08	107.82	--	9.44	0.00	98.38	--	--	--	--	--	--	--	--
04/13-16/09	107.82	--	7.93	0.00	99.89	--	--	--	--	--	--	--	--
10/12-15/09	107.82	--	9.14	0.00	98.68	--	--	--	--	--	--	--	--
04/19-22/10	107.82	--	8.02	0.00	99.80	--	--	--	--	--	--	--	--
01/17-20/11	107.82	--	6.82	0.00	101.00	--	--	--	--	--	--	--	--
05/10-12/11	107.82	--	6.63	0.00	101.19	--	--	--	--	--	--	--	--
05/07-08/12	107.82	--	7.20	0.00	100.62	--	--	--	--	--	--	--	--
11/12-14/12	107.82	--	9.09	0.00	98.73	--	--	--	--	--	--	--	--
5/20-22/13	107.82	--	7.02	0.00	100.80	--	--	--	--	--	--	--	--
11/11-13/13	107.82	--	8.14	0.00	99.68	--	--	--	--	--	--	--	--
MW-24													
10/26-27/04	107.95	--	--	--	--	<800	<1,000	500	--	--	--	--	--
10/28/04	107.95	--	6.41	0.00	101.54	--	--	--	--	--	--	--	--
10/28-11/01/04	107.95	--	14.20	0.00	93.75	--	--	--	--	--	--	--	--
01/24-31/05	107.95	--	5.58	0.00	102.37	<250	<250	<50	<0.5	0.6	<0.5	1.6	--
04/18-21/05	107.95	--	4.76	0.00	103.19	NOT SAMPLED		--	--	--	--	--	--
07/27-28/05	107.95	--	6.68	0.00	101.27	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	107.95	--	4.84	0.00	103.11	NOT SAMPLED		--	--	--	--	--	--
02/22/06	107.95	--	5.81	0.00	102.14	--	--	--	--	--	--	--	--
04/17/06	107.95	--	5.55	0.00	102.40	--	--	--	--	--	--	--	--
04/17/07	107.95	--	5.63	0.00	102.32	--	--	--	--	--	--	--	--
12/04/07	107.95	--	4.61	0.00	103.34	--	--	--	--	--	--	--	--
04/28/08	107.95	--	4.96[16]	0.00	102.99	--	--	--	--	--	--	--	--
11/03/08	107.95	--	4.65	0.00	103.30	--	--	--	--	--	--	--	--
04/13-16/09	107.95	--	4.65	0.00	103.30	--	--	--	--	--	--	--	--
10/12-15/09	107.95	--	5.82	0.00	102.13	--	--	--	--	--	--	--	--
04/19-22/10	107.95	--	5.40	0.00	102.55	--	--	--	--	--	--	--	--
01/17-20/11	107.95	--	4.62	0.00	103.33	--	--	--	--	--	--	--	--
05/10-12/11	107.95	--	5.65	0.00	102.30	--	--	--	--	--	--	--	--
05/07-08/12	107.95	--	4.85	0.00	103.10	--	--	--	--	--	--	--	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-24 (cont.)													
11/12-14/12	107.95	--	4.82	0.00	103.13	--	--	--	--	--	--	--	--
5/20-22/13	107.95	--	5.84	0.00	102.11	--	--	--	--	--	--	--	--
11/11-13/13	107.95	--	5.35	0.00	102.60	--	--	--	--	--	--	--	--
MW-25													
10/26-27/04	--	--	--	--	--	260	<99	**11,000**	--	--	--	--	--
10/28-11/01/04	101.96	--	12.36	0.00	89.60	--	--	--	--	--	--	--	--
01/24-31/05	101.96	--	11.81	0.00	90.15	440	<250	**7,400**	6.8	42	160	**1,100**	--
04/18-21/05	101.96	--	11.63	0.00	90.33	**2,800**	<250	**22,000**	17	300	750	**3,900**	--
07/27-28/05	101.96	--	11.73	0.00	90.23	**2,400**	<250	**22,000**	<20	210	630	**3,100**	--
11/08-10/05	101.96	--	12.23	0.00	89.73	**870**	<100	**14,000**	<20	59	450	**1,600**	--
02/22/06	101.96	--	10.50	0.00	91.46	--	--	--	--	--	--	--	--
04/17/06	101.96	--	11.65	0.00	90.31	**520**	<100	780	<2.0	2.9	14	49	--
08/08/06	101.96	--	13.39	0.00	88.57	**1,100**	210	**6,300**	19	31	240	650	--
10/17/06	101.96	--	14.06	0.00	87.90	--	--	--	--	--	--	--	--
04/17/07	101.96	--	16.00	0.00	85.96	**1,200**	<110	**1,900**	7	13	55	97	--
12/04/07	101.96	--	18.05	0.00	83.91	**2,000**	<100	**2,400**	10	2.9	73	47	--
04/28/08	101.96	--	17.34[16]	0.00	84.62	120	<96	250	1	0.7	11	0.9	--
11/04/08	101.96	--	14.08	0.00	87.88	33	<72	150	2	<0.5	<0.5	<0.5	--
04/13-16/09	101.96	--	12.44	0.00	89.52	340	<66	190	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	101.96	--	12.62	0.00	89.34	440	<70	570	<0.5	<0.5	3	0.7	--
04/19-22/10	101.96	--	10.80	0.00	91.16	**540**	93	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11	101.96	--	10.28	0.00	91.68	**670**	180	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	102.96	--	10.20	0.00	92.76	**560**	180	<50	<0.5	<0.5	<0.5	<0.5	--
05/07-08/12	102.96	--	10.54	0.00	92.42	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12	102.96	--	11.80	0.00	91.16	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	--
5/20-22/13	102.96	--	10.53	0.00	92.43	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
11/11-13/13	102.96	--	12.10	0.00	90.86	<31	<71	<50	<0.5	<0.5	<0.5	<0.5	--
MW-26													
10/28-11/01/04	100.47	--	11.18	0.00	89.29	**760**	<200	**57,000**	**8,300**	4,300	1,600	**8,700**	--
01/24-31/05	100.47	--	10.59	0.00	89.88	<250	<250	**3,100**	**310**	190	54	510	--
02/17/05	100.47	--	10.56	0.00	89.91	310	<95	**27,000**	**6,800**	1,900	990	**4,800**	--
04/18-21/05	100.47	--	10.39	0.00	90.08	<250	<250	**3,500**	**730**	320	100	660	--
07/27-28/05	100.47	--	10.55	0.00	89.92	270	<250	**5,100**	**1,200**	370	130	880	--
11/08-10/05	100.47	--	11.02	0.00	89.45	**1,200**	<94	**15,000**	**5,700**	850	590	**2,400**	--
02/22/06	100.47	--	9.32	0.00	91.15	--	--	--	--	--	--	--	--
04/17/06	100.47	--	10.35	0.00	90.12	<80	<100	<48	<0.5	<0.5	<0.5	<1.5	--
08/08/06	100.47	--	12.11	0.00	88.36	240	150	**4,900**	**1,200**	310	160	750	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-26 (cont.)													
10/17/06	100.47	--	12.80	0.00	87.67	--	--	--	--	--	--	--	--
04/17-18/07	100.47	--	15.09	0.00	85.38	440	<100	**4,500**	**730**	63	230	660	--
12/04-05/07	100.47	--	18.05	0.00	82.42	400	<130	**3,400**	**1,000**	43	200	420	--
04/28-05/01/08	100.47	--	16.31[16]	0.00	84.16	280	<95	130	9	<0.5	4	<0.5	--
5/1/08 (D)	100.47	--	--	--	--	**630**	<99	140	10	<0.5	5	<0.5	--
11/06/08	100.47	--	12.82	0.00	87.65	**2,500**	<66	**1,100**	**450**	1	110	3	--
04/13-16/09	100.47	--	11.23	0.00	89.24	460	<66	<50	**26**	<0.5	11	<0.5	--
10/12-15/09	100.47	--	11.41	0.00	89.06	**1,200**	<69	<50	<0.5	<0.5	<0.5	<0.5	--
04/19-22/10	100.47	--	9.64	0.00	90.83	41	<74	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11	100.47	--	9.08	0.00	91.39	40	<71	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	100.47	--	9.08	0.00	91.39	57	<68	<50	<0.5	<0.5	<0.5	<0.5	--
05/07-08/12	100.47	--	9.35	0.00	91.12	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12	100.47	--	10.59	0.00	89.88	<28	<66	63	0.6	<0.5	<0.5	<0.5	--
5/20-22/13	100.47	--	9.43	0.00	91.04	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
11/11-13/13	100.47	--	10.91	0.00	89.56	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
MW-27													
01/24-31/05	97.26	--	29.81	0.00	67.45	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--
04/18-21/05	97.26	--	29.85	0.00	67.41	NOT SAMPLED		--	--	--	--	--	--
07/27-28/05	97.26	--	29.86	0.00	67.40	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--
11/08-10/05	97.26	--	29.91	0.00	67.35	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	97.26	--	29.91	0.00	67.35	--	--	--	--	--	--	--	--
04/17/06	97.26	--	29.69	0.00	67.57	--	--	--	--	--	--	--	--
10/18/06	97.26	--	29.90	0.00	67.36	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED													
MW-28													
01/24-31/05	87.78	--	21.18	0.00	66.60	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--
02/10/05	87.78	--	21.17	0.00	66.61	<79	<98	<48	<0.5	<0.5	<0.5	<1.5	--
04/18-21/05	87.78	--	21.22	0.00	66.56	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--
07/27-28/05	87.78	--	21.26	0.00	66.52	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--
11/08-10/05	87.78	--	21.32	0.00	66.46	--	--	--	--	--	--	--	--
04/17/06	87.78	--	21.19	0.00	66.59	--	--	--	--	--	--	--	--
10/18/06	87.78	--	21.28	0.00	66.50	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED													
MW-29													
01/24-31/05	80.88	--	15.14	0.00	65.74	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--
04/18-21/05	80.88	--	14.31	0.00	66.57	NOT SAMPLED		--	--	--	--	--	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-29 (cont.)													
07/27-28/05	80.88	--	14.79	0.00	66.09	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	80.88	--	14.70	0.00	66.18	NOT SAMPLED		--	--	--	--	--	--
04/17/06	80.88	--	14.60	0.00	66.28	--	--	--	--	--	--	--	--
10/18/06	80.88	--	15.16	0.00	65.72	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED													
MW-30													
02/10/05	91.81	--	24.70	0.00	67.11	<77	<96	<48	4.1	<0.5	<0.5	<1.5	--
04/18-21/05	91.81	--	24.76	0.00	67.05	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--
07/27-28/05	91.81	--	24.72	0.00	67.09	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--
11/08-10/05	91.81	--	24.82	0.00	66.99	<83	<100	<48	<0.5	<0.5	<0.5	<1.5	--
04/17/06	91.81	--	24.68	0.00	67.13	<80	<100	<50	<0.5	<0.5	<0.5	<1.5	--
10/17/06	91.81	--	24.80	0.00	67.01	--	--	--	--	--	--	--	--
04/17-18/07	91.81	--	24.72	0.00	67.09	<76	<94	<50	<0.5	<0.5	<0.5	<1.5	--
12/04-05/07	91.81	--	24.84	0.00	66.97	<75	<94	<50	<0.5	<0.5	<0.5	<1.5	--
04/28-30/08	91.81	--	24.81	0.00	67.00	<77	<97	<50	<0.5	<0.5	<0.5	<0.5	--
11/06/08	91.81	--	24.85	0.00	66.96	<30	<71	<50	<0.5	<0.5	<0.5	<0.5	--
11/6/08 (D)	91.81	--	--	0.00	--	<31	<71	<50	<0.5	<0.5	<0.5	<0.5	--
04/13-16/09	91.81	--	24.81	0.00	67.00	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
04/13-16/09 (D)	91.81	--	--	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	91.81	--	24.77	0.00	67.04	<29	<68	<50	<0.5	0.5	<0.5	<0.5	--
10/12-15/09 (D)	91.81	--	--	0.00	--	--	--	<50	<0.5	0.6	<0.5	<0.5	--
04/19-22/10	91.81	--	24.67	0.00	67.14	<30	<71	<50	<0.5	<0.5	<0.5	<0.5	--
04/19-22/10 (D)	91.81	--	--	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11	91.81	--	24.68	0.00	67.13	67	<69	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11 (D)	91.81	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	91.81	--	24.60	0.00	67.21	51	<71	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11 (D)	91.81	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
05/07-08/12	91.81	--	24.65	0.00	67.16	<31	<72	<50	<0.5	<0.5	<0.5	<0.5	--
05/07-08/12 (D)	91.81	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12	91.81	--	24.76	0.00	67.05	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12 (D)	91.81	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
5/20-22/13	91.81	--	24.64	0.00	67.17	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
5/20-22/13 (D)	91.81	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/11-13/13	91.81	--	24.74	0.00	67.07	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
11/11-13/13 (D)	91.81	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
MW-31													
02/10/05	87.22	--	19.89	0.00	67.33	<77	<96	<48	<0.5	<0.5	<0.5	<1.5	--

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GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-31 (cont.)													
04/18-21/05	87.22	--	20.02	0.00	67.20	<800	<1,000	<50	<0.5	<0.5	<0.5	<1.5	--
07/27-28/05	87.22	--	19.89	0.00	67.33	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--
11/08-10/05	87.22	--	20.12	0.00	67.10	NOT SAMPLED		--	--	--	--	--	--
04/17/06	87.22	--	19.94	0.00	67.28	--	--	--	--	--	--	--	--
10/17/06	87.22	--	20.14	0.00	67.08	--	--	--	--	--	--	--	--
04/17-18/07	87.22	--	19.78	0.00	67.44	<75	<94	<50	<0.5	<0.5	<0.5	<1.5	--
12/04-05/07	87.22	--	20.14	0.00	67.08	<75	<94	<50	<0.5	<0.5	<0.5	<1.5	--
04/28-30/08	87.22	--	20.06	0.00	67.16	<81	<100	<50	<0.5	<0.5	<0.5	<0.5	--
11/04/08	87.22	--	20.11	0.00	67.11	<29	<69	<50	<0.5	<0.5	<0.5	<0.5	--
04/13-16/09	87.22	--	20.04	0.00	67.18	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	87.22	--	19.99	0.00	67.23	<29	<68	<50	<0.5	1	<0.5	<0.5	--
04/19-22/10	87.22	--	19.80	0.00	67.42	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11	87.22	--	19.79	0.00	67.43	32	<70	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	87.22	--	19.70	0.00	67.52	<31	<72	<50	<0.5	<0.5	<0.5	<0.5	--
05/07-08/12	87.22	--	19.80	0.00	67.42	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12	87.22	--	20.00	0.00	67.22	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--
5/20-22/13	87.22	--	19.73	0.00	67.49	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
11/11-13/13	87.22	--	19.93	0.00	67.29	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	--
MW-32													
07/27-28/05	101.09	--	11.43	0.00	89.66	**1,200**	<250	**17,000**	**2,300**	540	630	**2,600**	--
11/08-10/05	101.09	--	11.81	0.00	89.28	<80	<100	580	**200**	29	5.4	130	--
02/22/06	101.09	--	10.15	0.00	90.94	--	--	--	--	--	--	--	--
04/17/06	101.09	--	11.12	0.00	89.97	<81	<100	70	**47**	1.9	4.0	8.7	--
08/08/06	101.09	--	12.86	0.00	88.23	400	140	**4,000**	**1,500**	130	210	730	--
04/17-18/07	101.09	--	15.97	0.00	85.12	**2,600**	<940	**17,000**	**2,400**	170	830	2,400	--
12/04-05/07	101.09	--	18.42	0.00	82.67	<79	<98	670	**310**	6.6	57	73	--
04/29/08	101.09	--	17.09[16]	0.00	84.00	<79	<98	95	**77**	<0.5	9	2	--
11/04/08	101.09	--	13.56	0.00	87.53	41	<71	130	**36**	<0.5	2	<0.5	--
04/13-16/09	101.09	--	12.00	0.00	89.09	330	<67	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	101.09	--	12.21	0.00	88.88	74	<67	<50	<0.5	0.7	<0.5	<0.5	--
04/19-22/10	101.09	--	10.44	0.00	90.65	<31	<71	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11	101.09	--	9.82	0.00	91.27	34	<70	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	101.09	--	9.93	0.00	91.16	34	<69	<50	<0.5	<0.5	<0.5	<0.5	--
05/07-08/12	101.09	--	10.20	0.00	90.89	<29	<69	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12	101.09	--	11.38	0.00	89.71	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
5/20-22/13	101.09	--	10.25	0.00	90.84	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	--
11/11-13/13	101.09	--	19.90	0.00	81.19	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--

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FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-33													
07/27-28/05	100.31	--	28.33	0.00	71.98	**630**	<250	**2,200**	**2,500**	200	93	170	--
11/08-10/05	100.31	--	28.50	0.00	71.81	340	<100	**1,900**	**4,800**	180	110	170	--
04/17/06	100.36	--	27.95	0.00	72.41	250	<110	**1,900**	**4,000**	140	93	170	--
08/09/06	100.36	--	28.65	0.00	71.71	490	<98	**3,000**	**4,100**	220	180	290	--
10/17/06	100.36	--	28.96	0.00	71.40	--	--	--	--	--	--	--	--
04/17-18/07	100.36	--	29.65	0.00	70.71	400	<100	**1,600**	**3,700**	130	110	130	--
12/04-05/07	100.36	--	30.46	0.00	69.90	400	<94	**1,200**	**3,300**	110	76	86	--
04/28/08	100.36	--	30.46[16]	0.00	69.90	370	<100	**1,300**	**2,400**	86	75	76	--
11/04/08	100.36	--	29.62	0.00	70.74	270	<69	**1,200**	**2,700**	97	95	85	--
04/13-16/09	100.36	--	28.95	0.00	71.41	330	<68	**1,800**	**2,500**[18]	73[18]	110[18]	76[18]	--
10/12-15/09	100.36	--	28.63	0.00	71.73	210	<68	**1,200**	**1,300**	37	78	40	--
04/19-22/10	100.36	--	27.91	0.00	72.45	270	<72	790	**830**	17	44	20	--
01/17-20/11	100.36	--	27.75	0.00	72.61	**680**	370	750	**620**	10	64	27	--
05/10-12/11	100.36	--	27.40	0.00	72.96	480	100	530	**460**	7	56	20	--
05/07-08/12	100.36	--	28.80	0.00	71.56	<30	<70	290	**270**	1	22	7	--
11/12-14/12	100.36	--	28.10	0.00	72.26	<30	<69	200	**190**	0.7	23	5	--
5/20-22/13	100.36	--	27.80	0.00	72.56	<29	<68	280	**160**	0.5	18	4	--
11/11-13/13	100.36	--	29.13	0.00	71.23	<30	<69	180	**140**	0.5	10	4	--
MW-34													
11/28/05	--	--	--	--	--	<84	<110	<48	--	--	--	--	--
04/17/06	94.35	--	26.97	0.00	67.38	<80	<100	<48	<0.5	<0.5	<0.5	<1.5	--
10/17/06	94.35	--	27.13	0.00	67.22	--	--	--	--	--	--	--	--
04/17-18/07	94.35	--	27.06	0.00	67.29	<81	<100	<50	<0.5	<0.5	<0.5	<1.5	--
12/04-05/07	94.35	--	27.22	0.00	67.13	<78	<98	60	<0.5	<0.5	<0.5	<1.5	--
04/28-30/08	94.35	--	27.15	0.00	67.20	<80	<100	<50	<0.5	<0.5	<0.5	<0.5	--
11/06/08	94.35	--	27.19	0.00	67.16	<31	<73	<50	<0.5	<0.5	<0.5	<0.5	--
04/13-16/09	94.35	--	27.15	0.00	67.20	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	94.35	--	27.10	0.00	67.25	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
04/19-22/10	94.35	--	26.96	0.00	67.39	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11	94.35	--	27.00	0.00	67.35	39	<69	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	94.35	--	26.90	0.00	67.45	<60	<140	<50	<0.5	<0.5	<0.5	<0.5	--
05/07-08/12	94.35	--	27.00	0.00	67.35	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12	94.35	--	27.09	0.00	67.26	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--
5/20-22/13	94.35	--	26.99	0.00	67.36	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
11/11-13/13	94.35	--	27.08	0.00	67.27	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	--
MW-35													
11/28/05	--	--	--	--	--	280	180	250	--	--	--	--	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-35 (cont.)													
02/22/06	100.52	--	30.32	0.00	70.20	--	--	--	--	--	--	--	--
04/17/06	100.52	--	30.41	0.00	70.11	270	<100	370	**100**	1.3	1.0	3.9	--
08/09/06	100.52	--	30.75	0.00	69.77	300	230	780	**150**	3.1	1.9	5.8	--
10/18/06	100.52	--	30.94	0.00	69.58	--	--	--	--	--	--	--	--
04/17/07	100.52	--	31.19	0.00	69.33	--	--	--	--	--	--	--	--
12/04/07	100.52	--	31.89	0.00	68.63	--	--	--	--	--	--	--	--
04/28-05/01/08	100.52	--	31.78[16]	0.00	68.74	180	<100	110	**45**	<0.5	<0.5	<0.5	--
11/05/08	100.52	--	31.48	0.00	69.04	110	<67	180	**150**	<0.5	<0.5	<0.5	--
04/13-16/09	100.52	--	31.22	0.00	69.30	120	<68	83	**100**	<0.5	<0.5	<0.5	--
10/12-15/09	100.52	--	30.98	0.00	69.54	50	<68	<50	**58**	<0.5	<0.5	<0.5	--
04/19-22/10	100.52	--	30.45	0.00	70.07	59	<71	<50	**66**	<0.5	<0.5	<0.5	--
01/17-20/11	100.52	--	30.43	0.00	70.09	170	220	<50	5	<0.5	<0.5	<0.5	--
05/10-12/11	100.52	--	30.00	0.00	70.52	60	<70	<50	4	<0.5	<0.5	<0.5	--
05/07-08/12	100.52	--	30.30	0.00	70.22	<30	<70	<50	0.6	<0.5	<0.5	<0.5	--
11/12-14/12	100.52	--	30.52	0.00	70.00	<29	<67	<50	1	<0.5	<0.5	<0.5	--
5/20-22/13	100.52	--	30.06	0.00	70.46	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	--
11/11-13/13	100.52	--	30.49	0.00	70.03	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--
DPE-1/VP-6													
07/24/02	101.90	10.60	12.18	1.58	90.98	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
10/17-18/02	101.90	11.35	12.00	0.65	90.42	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
01/21/03	101.90	11.27	12.90	1.63	90.30	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
04/23-24/03	101.90	10.75	10.90	0.15	91.12	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
06/30-07/01/03	101.90	11.32	11.54	0.22	90.54	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
10/01-02/03	101.90	12.12	12.91	0.79	89.62	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
01/21-23/04	101.90	NOT MONITORED/SAMPLED DUE TO WELL OBSTRUCTION AT 2.41 FEET							--	--	--	--	--
04/29-30/04	--	11.20	11.25	0.05	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
07/15-16/04	--	11.61	11.63	0.02	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
08/03/04	101.84	--	11.85	0.00	89.99	--	--	--	--	--	--	--	--
10/28-11/01/04	101.84	--	11.99	0.00	89.85	**180,000**	<20,000	**81,000**	**7,500**	9,500	1,100	**9,000**	--
01/24-31/05	101.84	--	11.37	0.00	90.47	**21,000**	<1,000	**19,000**	**1,800**	1,200	75	**3,300**	--
04/18-21/05	101.84	--	11.19	0.00	90.65	**280,000**	<11,000	**8,000**	**190**	240	48	800	--
07/27-28/05	101.84	--	11.50	0.00	90.34	NOT SAMPLED			--	--	--	--	--
11/08-10/05	101.84	--	11.76	0.00	90.08	NOT SAMPLED			--	--	--	--	--
08/09/05	101.84	11.59	11.60	0.01	90.24	--	--	--	--	--	--	--	--
11/08-10/05	101.84	--	11.76	0.00	90.08	--	--	--	--	--	--	--	--
02/22/06	101.84	Sheen	10.02	0.00	91.82	--	--	--	--	--	--	--	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
DPE-1/VP-6 (cont.)													
04/17/06	101.84	---	11.25	0.00	90.59	---	---	---	---	---	---	---	---
08/31/06	101.84	13.21	13.13	0.00	88.71	---	---	---	---	---	---	---	---
09/15/06	101.84	13.31	13.35	0.04	88.49	---	---	---	---	---	---	---	---
10/17/06	101.55	12.85	14.68	1.83	88.33	---	---	---	---	---	---	---	---
04/17-19/07	101.55	---	15.63	0.00	85.92	**5,600**	<950	650	20	4.1	3.7	13	---
04/17-19/07 (D)	101.55	---	---	---	---	<1,500	<1,900	690	20	4.3	3.9	14	---
12/04-05/07	101.55	---	20.72	0.00	80.83	240	<100	550	**380**	4.7	32	15	---
04/28-29/08	101.63	---	16.74	0.00	84.89	**610**	<200	260	**430**	1	1	2	---
4/29/08 (D)	101.63	---	---	---	---	490	<200	250	**450**	1	1	2	---
11/03/08	101.63	---	13.50	0.00	88.13	---	---	---	---	---	---	---	---
04/13-16/09[15]	101.63	---	11.84	0.00	89.79	---	---	---	---	---	---	---	---
10/12-15/09[15]	101.63	---	12.05	0.00	89.58	---	---	---	---	---	---	---	---
04/19-22/10[15]	101.63	---	10.26	0.00	91.37	---	---	---	---	---	---	---	---
01/17-20/11[15]	101.63	---	10.56	0.00	91.07	---	---	---	---	---	---	---	---
05/10-12/11[15]	101.63	---	9.85	0.00	91.78	---	---	---	---	---	---	---	---
05/07-08/12[15]	101.63	---	10.00	0.00	91.63	---	---	---	---	---	---	---	---
11/12-14/12[15]	101.63	---	11.97	0.00	89.66	---	---	---	---	---	---	---	---
5/20-22/13[15]	101.63	---	9.92	0.00	91.71	---	---	---	---	---	---	---	---
11/11-13/13[15]	101.63	---	11.61	0.00	90.02	---	---	---	---	---	---	---	---
DPE-2													
04/29-30/04	---	11.31	11.51	0.20	---	NOT SAMPLED DUE TO THE PRESENCE OF SPH					---	---	---
07/15-16/04	---	---	11.73	0.00	---	---	---	---	---	---	---	---	---
08/03/04	102.17	---	12.17	0.00	90.00	---	---	---	---	---	---	---	---
10/28-11/01/04	102.17	---	12.12	0.00	90.05	**6,200**	<1,000	**48,000**	**2,500**	3,000	940	**5,400**	---
01/24-31/05	102.17	---	11.51	0.00	90.66	**870**	<250	**2,200**	**70**	79	13	140	---
04/18-21/05	102.17	---	11.30	0.00	90.87	290	<250	**2,000**	**210**	170	42	220	---
07/27-28/05	102.17	---	11.64	0.00	90.53	NOT SAMPLED		---	---	---	---	---	---
11/08-10/05	102.17	---	12.02	0.00	90.15	NOT SAMPLED		---	---	---	---	---	---
02/22/06	102.17	10.06	10.98	0.92	91.93	---	---	---	---	---	---	---	---
02/27/06	102.17	10.20	11.09	0.89	91.79	---	---	---	---	---	---	---	---
04/17/06	102.17	11.25	11.71	0.46	90.83	---	---	---	---	---	---	---	---
07/31/06	102.17	12.76	12.80	0.04	89.40	---	---	---	---	---	---	---	---
08/19/06	102.17	13.33	13.45	0.12	88.82	---	---	---	---	---	---	---	---
09/15/06	102.43	13.69	13.73	0.04	88.73	---	---	---	---	---	---	---	---
09/29/06	102.43	13.83	13.86	0.03	88.59	---	---	---	---	---	---	---	---
10/17/06	102.43	13.91	13.92	0.01	88.52	---	---	---	---	---	---	---	---

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
DPE-2 (cont.)													
10/24/06	102.43	14.20	14.50	0.30	88.17	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
04/17/07	102.43	--	15.96	0.00	86.47	**110,000**	<9,500	**27,000**	<10	2.9	14	**1,100**	--
12/04-05/07	102.43	--	21.52	0.00	80.91	**5,300**	<480	600	**150**	5.3	8.6	15	--
04/28-29/08	102.54	--	17.20	0.00	85.34	**8,100**	<2,000	770	2	<0.5	<0.5	0.5	--
11/04/08	102.54	--	14.06	0.00	88.48	**3,000**	<130	340	<0.5	<0.5	<0.5	<0.5	--
04/13-16/09[15]	102.54	--	12.40	0.00	90.14	83	<72	93	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	102.54	--	12.77	0.00	89.77	230	<68	330	0.8	<0.5	<0.5	<0.5	--
04/19-22/10	102.54	--	10.85	0.00	91.69	--	--	--	--	--	--	--	--
01/17-20/11	102.54	--	10.33	0.00	92.21	--	--	--	--	--	--	--	--
05/10-12/11	102.54	--	10.45	0.00	92.09	--	--	--	--	--	--	--	--
05/07-08/12	102.54	--	10.60	0.00	91.94	--	--	--	--	--	--	--	--
11/12-14/12	102.54	--	12.14	0.00	90.40	--	--	--	--	--	--	--	--
5/20-22/13	102.54	--	10.57	0.00	91.97	--	--	--	--	--	--	--	--
11/11-13/13	102.54	--	12.20	0.00	90.34	--	--	--	--	--	--	--	--
DPE-3													
10/17/06	103.93	--	14.49	0.00	89.44	--	--	--	--	--	--	--	--
10/26/06	103.93	--	14.79	0.00	89.14	<80	<100	<48	<0.5	<0.5	<0.5	<0.5	--
04/17-19/07	103.93	--	18.25	0.00	85.68	**4,900**	<2,000	87	<0.5	<0.5	<0.5	3.9	--
12/04/07	103.93	--	18.35	0.00	85.58	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/28/08	104.02	--	18.25	0.00	85.77	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
11/03/08	104.02	--	14.39	0.00	89.63	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/13-16/09	104.02	--	12.70	0.00	91.32	--	--	--	--	--	--	--	--
10/12-15/09	104.02	--	13.23	0.00	90.79	--	--	--	--	--	--	--	--
04/19-22/10	104.02	--	11.24	0.00	92.78	--	--	--	--	--	--	--	--
01/17-20/11	104.02	--	10.62	0.00	93.40	--	--	--	--	--	--	--	--
05/10-12/11	104.02	--	10.77	0.00	93.25	--	--	--	--	--	--	--	--
05/07-08/12	104.02	--	11.07	0.00	92.95	--	--	--	--	--	--	--	--
11/12-14/12	104.02	--	12.44	0.00	91.58	--	--	--	--	--	--	--	--
5/20-22/13	104.02	--	11.09	0.00	92.93	--	--	--	--	--	--	--	--
11/11-13/13	104.02	--	12.81	0.00	91.21	--	--	--	--	--	--	--	--
DPE-4													
10/17/06	102.26	--	14.29	0.00	87.97	--	--	--	--	--	--	--	--
10/18/06	102.26	--	14.29	0.00	87.97	--	--	--	--	--	--	--	--
10/24/06	102.26	--	14.00	0.00	88.26	**920**	**1,400**	**4,900**	**260**	240	39	720	--
04/17-19/07	102.26	--	19.17	0.00	83.09	**6,700**	<1,900	**12,000**	**2,200**	220	400	**2,000**	--
12/04-06/07	102.26	--	19.42	0.00	82.84	330	<100	210	**44**	0.9	1	5.5	--
04/28-30/08	102.39	--	17.36	0.00	85.03	**5,200**	<2,500	410	**51**	3	2	23	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
DPE-4 (cont.)													
4/30/08 (D)	102.39	--	--	--	--	**2,500**	<2,000	390	**51**	3	2	23	--
11/03/08	102.39	--	14.14	0.00	88.25	--	--	--	--	--	--	--	--
04/13-16/09[15]	102.39	--	12.56	0.00	89.83	--	--	--	--	--	--	--	--
10/12-15/09	102.39	--	12.76	0.00	89.63	--	--	--	--	--	--	--	--
04/19-22/10	102.39	--	10.95	0.00	91.44	--	--	--	--	--	--	--	--
01/17-20/11	102.39	--	10.40	0.00	91.99	--	--	--	--	--	--	--	--
05/10-12/11	102.39	--	10.47	0.00	91.92	--	--	--	--	--	--	--	--
05/07-08/12	102.39	--	10.74	0.00	91.65	--	--	--	--	--	--	--	--
11/12-14/12	102.39	--	11.85	0.00	90.54	--	--	--	--	--	--	--	--
5/20-22/13	102.39	--	10.69	0.00	91.70	--	--	--	--	--	--	--	--
11/11-13/13	102.39	--	12.19	0.00	90.20	--	--	--	--	--	--	--	--
DPE-5													
11/28/05	--	--	--	--	--	**5,300**	<1,000	**36,000**	--	--	--	--	--
01/23/06	113.32	16.70	16.75	0.05	96.61	NOT SAMPLED DUE TO THE PRESENCE OF SPH							
02/22/06	113.81	--	17.16	0.00	96.65	--	--	--	--	--	--	--	--
04/17/06	113.81	--	--	--	--	**4,800**	<190	**19,000**	**1,100**	1,400	160	**2,900**	--
04/17-19/07	113.81	--	23.78	0.00	90.03	**4,600**	<470	200	17	2.6	1.6	11	--
12/04-06/07	113.81	--	23.72	0.00	90.09	**4,000**	<470	180	0.6	0.5	0.6	4.3	--
04/28-29/08	113.82	--	18.93	0.00	94.89	**11,000**	<2,500	<250	**32**	4	3	22	--
4/29/08 (D)	113.82	--	--	--	--	**3,300**	<1,900	--	--	--	--	--	--
11/03/08	113.82	--	22.45	0.00	91.37	**12,000**	<3,500	460	**77**	7	4	17	--
04/13-16/09	113.82	--	14.63	0.00	99.19	**690**	83	110	2	<0.5	1	3	--
10/12-15/09	113.82	--	18.60	0.00	95.22	**25,000**	<1,400	490	22	2	19	10	--
04/19-22/10	113.82	--	15.92	0.00	97.90	**530**	95	78	2	<0.5	<0.5	0.5	--
01/17-20/11	113.82	--	13.99	0.00	99.83	**540**	230	<50	<0.5	<0.5	2	1	--
05/10-12/11	113.82	--	16.16	0.00	97.66	**1,900**	270	520	18	4	30	63	--
05/07-08/12	113.82	--	14.08	0.00	99.74	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12	113.82	--	15.35	0.00	98.47	260	<72	580	5	2	56	46	--
5/20-22/13	113.82	--	16.65	0.00	97.17	120	<67	**5,700**	**41**	22	620	550	--
11/11-13/13	113.82	--	16.68	0.00	97.14	150	<72	**5,400**	**44**	20	690	290	--
DPE-6													
11/28/05	--	--	--	--	--	170	<100	280	--	--	--	--	--
02/22/06	113.32	--	19.62	0.00	93.70	--	--	--	--	--	--	--	--
04/17/06	113.32	--	--	--	--	--	--	**38,000**	**3,000**	5,400	690	**4,900**	--
04/17/07	113.32	--	29.83	0.00	83.49	**110,000**	<9,300	**5,400**	**27**	39	35	350	--
12/04-05/07	113.32	--	28.51	0.00	84.81	**1,100**	<190	160	<2.0	0.6	<2.0	3.8	--
04/28-29/08	114.14	--	22.81	0.00	91.33	**8,500**	<480	460	1	6	2	32	--

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FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
DPE-6 (cont.)													
4/29/08 (D)	114.14	--	--	--	--	**6,500**	<480	--	--	--	--	--	--
11/04/08	114.14	--	21.30	0.00	92.84	**11,000**	<1,300	**870**	16	12	7	63	--
04/13-16/09	114.14	--	20.60	0.00	93.54	**16,000**	**880**	**900**	**100**	6	16	24	--
10/12-15/09	114.14	--	20.51	0.00	93.63	**3,600**	<680	490	18	3	8	9	--
04/19-22/10	114.14	--	19.02	0.00	95.12	**10,000**	**2,000**	680	**44**	3	13	13	--
01/17-20/11	114.14	--	18.61	0.00	95.53	**16,000**	**27,000**	520	**42**	2	4	6	--
05/10-12/11	114.14	--	18.44	0.00	95.70	**8,300**	**1,300**	510	16	2	5	14	--
05/07-08/12	114.14	--	18.80	0.00	95.34	**1,000**	<66	360	9	1	1	4	--
11/12-14/12	114.14	--	19.90	0.00	94.24	94	<71	220	4	<0.5	<0.5	1	--
5/20-22/13	114.14	--	18.62	0.00	95.52	170	<71	570	3	2	2	8	--
11/11-13/13	114.14	--	20.04	0.00	94.10	**1,100**	<70	140	7	<0.5	<0.5	<0.5	--
DPE-7													
11/28/05	--	--	--	--	--	**6,200**	<1,000	**17,000**	--	--	--	--	--
02/22/06	113.15	--	19.20	0.00	93.95	--	--	--	--	--	--	--	--
04/17/06	113.15	--	--	--	--	**8,600**	<500	**29,000**	**4,500**	1,800	470	**4,200**	--
04/17/07	113.15	--	27.00	0.00	86.15	**22,000**	<4,700	**3,800**	**78**	40	97	180	--
12/04-05/07	113.15	--	27.52	0.00	85.63	**120,000**	<9,900	760	**44**	1.7	28	15	--
04/28-29/08	113.13	--	22.26	0.00	90.87	**6,100**	<980	<250	7	2	2	6	--
4/29/08 (D)	113.13	--	--	--	--	**6,300**	<980	--	--	--	--	--	--
11/03/08	113.13	20.95	20.96	0.01	92.18	--	--	--	--	--	--	--	--
04/13-16/09[15]	113.13	--	19.90	0.00	93.23	--	--	--	--	--	--	--	--
10/12-15/09	113.13	--	20.25	0.00	92.88	--	--	--	--	--	--	--	--
04/19-22/10	113.13	--	18.76	0.00	94.37	--	--	--	--	--	--	--	--
01/17-20/11	113.13	--	18.29	0.00	94.84	--	--	--	--	--	--	--	--
05/10-12/11	113.13	--	18.22	0.00	94.91	--	--	--	--	--	--	--	--
05/07-08/12	113.13	--	18.40	0.00	94.73	--	--	--	--	--	--	--	--
11/12-14/12	113.13	--	19.50	0.00	93.63	--	--	--	--	--	--	--	--
5/20-22/13	113.13	--	18.27	0.00	94.86	--	--	--	--	--	--	--	--
11/11-13/13	113.13	--	19.72	0.00	93.41	--	--	--	--	--	--	--	--
DPE-8/MW-22													
10/26-27/04	104.83	--	--	--	--	**5,000**	<1,000	**54,000**	--	--	--	--	--
10/28-11/01/04	104.83	--	14.11	0.00	90.72	--	--	--	--	--	--	--	--
01/24-31/05	104.83	--	13.62	0.00	91.21	**980**	<250	**55,000**	**5,200**	6,300	1,500	**8,800**	--
04/18-21/05	104.83	--	13.72	0.00	91.11	**2,000**	<250	**40,000**	**4,600**	4,300	1,200	**6,800**	--
07/27-28/05	104.83	--	13.53	0.00	91.30	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	104.83	--	14.14	0.00	90.69	NOT SAMPLED		--	--	--	--	--	--
02/22/06	104.83	--	12.34	0.00	92.49	--	--	--	--	--	--	--	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]

FORMER TEXACO SERVICE STATION NO. 211577

631 Queen Anne Avenue North

Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
DPE-8/MW-22 (cont.)													
04/17/06	104.83	--	14.60	0.00	90.23	--	--	--	--	--	--	--	--
08/08/06	104.83	16.55	16.56	0.01	88.28	**2,000**	<210	**41,000**	**3,100**	3,500	1,200	**6,400**	--
08/19/06	104.83	15.30	15.65	0.35	89.46	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
08/31/06	104.83	15.21	16.33	1.12	89.40	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
09/15/06	104.83	15.47	16.55	1.08	89.14	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
10/17/06	104.35	15.75	17.12	1.37	88.32	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
10/24/06	104.35	16.59	16.59	0.00	87.76	**5,200**	**880**	**67,000**	**3,100**	4,900	1,800	**11,000**	--
04/17/07	104.35	--	20.28	0.00	84.07	**1,900,000**	**510,000**	**9,300**	**84**	34	35	**1,100**	--
12/04-05/07	104.35	--	20.23	0.00	84.12	**120,000**	**32,000**	**4,900**	2.6	1.0	3.5	49	--
04/28-29/08	104.49	--	18.63	0.00	85.86	**38,000**	**8,900**	**4,500**	14	5	11	29	--
04/30/08	104.49	NO PURGE NWTPHDx SAMPLE			--	**820,000**	**190,000**	--	--	--	--	--	--
04/30/08	104.49	FILTERED, NO PURGE NWTPHDx SAMPLE				**3,900**	<420	--	--	--	--	--	--
11/06/08	104.49	--	15.51	0.00	88.98	**18,000**	<3,300	**3,500**	**35**	16	19	140	--
04/13-16/09	104.49	--	13.87	0.00	90.62	**12,000**	**590**	**2,000**	7	1	3	6	--
10/12-15/09	104.49	--	13.90	0.00	90.59	**3,900**	<680	**940**	6	1	0.6	3	--
04/19-22/10	104.49	--	12.08	0.00	92.41	**2,000**	**510**	88	2	<0.5	<0.5	<0.5	--
01/17-20/11	104.49	--	11.60	0.00	92.89	**1,400**	**1,100**	<50	0.6	<0.5	<0.5	<0.5	--
05/10-12/11	104.49	--	11.50	0.00	92.99	**990**	450	120	1	<0.5	<0.5	<0.5	--
05/07-08/12	104.49	--	11.85	0.00	92.64	130	<70	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12	104.49	--	13.19	0.00	91.30	120	<70	170	2	<0.5	<0.5	<0.5	--
5/20-22/13	104.49	--	11.88	0.00	92.61	50	<69	72	<0.5	<0.5	<0.5	<0.5	--
11/11-13/13	104.49	--	13.41	0.00	91.08	**3,300**	**1,000**	130	1	<0.5	0.5	<0.5	--
DPE-9													
10/17/06	103.38	--	14.92	0.00	88.46	--	--	--	--	--	--	--	--
10/18/06	103.38	--	14.92	0.00	88.46	--	--	--	--	--	--	--	--
10/24/06	103.38	Sheen	13.78	0.00	89.60	220	<100	<48	<0.5	<0.5	<0.5	<0.5	--
04/17-18/07	103.38	--	14.13	0.00	89.25	380	**530**	<50	<0.5	<0.5	<0.5	<1.5	--
12/04/07	103.38	--	16.23	0.00	87.15	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/28/08	103.46	OBSTRUCTION IN WELL			--	--	--	--	--	--	--	--	--
11/03/08	103.46	--	15.06	0.00	88.40	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/13-16/09[15]	103.46	--	12.30	0.00	91.16	--	--	--	--	--	--	--	--
10/12-15/09[15]	103.46	--	13.56	0.00	89.90	--	--	--	--	--	--	--	--
04/19-22/10[15]	103.46	--	11.51	0.00	91.95	--	--	--	--	--	--	--	--
01/17-20/11[15]	103.46	--	11.63	0.00	91.83	--	--	--	--	--	--	--	--
05/10-212/11[15]	103.46	--	11.10	0.00	92.36	--	--	--	--	--	--	--	--
05/07-08/12[15]	103.46	--	11.33	0.00	92.13	--	--	--	--	--	--	--	--

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
DPE-9 (cont.)													
11/12-14/12[15]	103.46	--	12.57	0.00	90.89	--	--	--	--	--	--	--	--
5/20-22/13[15]	103.46	--	11.28	0.00	92.18	--	--	--	--	--	--	--	--
11/11-13/13[15]	103.46	--	12.90	0.00	90.56	--	--	--	--	--	--	--	--
RW-2													
09/90	104.54	12.68	12.72	0.04	91.85	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
03/26-28/91	104.54	10.13	10.21	0.08	94.39	--	--	--	**19,000**	**46,000**	2,500	**120,000**	--
07/07/93	104.54	--	11.71	0.00	92.83	--	--	--	--	--	--	--	--
01/97	104.54	--	--	--	--	--	--	390	**31**	14	6	49	--
04/97	104.54	--	--	--	--	--	--	**11,000**	**189**	243	99	743	--
07/97	104.54	--	--	--	--	--	--	**24,000**	**4,230**	2,490	398	**2,732**	--
11/97	104.54	--	--	--	--	--	--	**4,400**	**3,140**	1,200	338	**2,265**	--
07/24/02	106.63	UNABLE TO LOCATE		--	--	--	--	--	--	--	--	--	--
10/17-18/02	106.63	--	14.44	0.00	92.19	**988**	<500	**1,380**	**90.5**	8.05	29.2	31.5	2.23
01/21/03	106.63	--	10.61	0.00	96.02	<250	<500	126	**33.5**	0.859	1.28	4.11	<1.00
04/23-24/03	106.63	--	10.30	0.00	96.33	<250	<500	55.7	<0.500	<0.500	0.642	2.64	<1.00[13]
06/30-07/01/03	106.63	--	13.72	0.00	92.91	**505**	<500	**2,380**	**53.5**	8.72	39.8	43.2	1.43[13]
10/01-02/03	106.63	--	15.05	0.00	91.58	**1,400**	<250	**2,300**	**75**	7.3	29	33	4.9[13]
01/21-23/04	106.63	--	10.22	0.00	96.41	<250	<250	53	1.2	0.7	1.3	8.9	<1.2[13]
04/29-30/04	106.63	--	13.31	0.00	93.32	270	<250	81	**11**	0.9	2.0	1.9	<0.99[13]
07/15-16/04	106.63	--	14.41	0.00	92.22	<250	<500	634	**25.7**	2.39	6.18	3.55	<1.00[13]
08/03/04	106.63	--	14.90	0.00	91.73	--	--	--	--	--	--	--	--
10/28-11/01/04	106.63	--	14.68	0.00	91.95	**280,000**	<40,000	**26,000**	**410**	63	470	950	--
01/24-31/05	106.63	--	11.57	0.00	95.06	<250	<250	94	<0.5	<0.5	<2.0	2.5	--
04/18-21/05	106.63	--	9.18	0.00	97.45	260	<250	130	0.8	<0.5	2.3	6.1	--
07/27-28/05	106.63	--	14.16	0.00	92.47	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	106.63	--	9.99	0.00	96.64	NOT SAMPLED		--	--	--	--	--	--
04/17/06	106.63	--	10.80	0.00	95.83	--	--	--	--	--	--	--	--
10/18/06	106.63	--	17.96	0.00	88.67	--	--	--	--	--	--	--	--
04/17-18/07	106.63	--	17.12	0.00	89.51	**15,000**	<1,900	650	**54**	12	10	35	--
12/04-06/07	106.63	--	15.21	0.00	91.42	400	<100	<50	<0.5	<0.5	<0.5	<1.5	--
04/28-29/08	106.63	--	15.84[16]	0.00	90.79	**890**	<95	190	12	1	0.9	2	--
11/04/08	106.63	--	15.66	0.00	90.97	**1,000**	<66	**890**	**82**	9	14	6	--
04/13-16/09	106.63	--	13.80	0.00	92.83	**840**	<65	340	21	0.9	0.5	0.8	--
10/12-15/09	106.63	--	14.75	0.00	91.88	**4,300**	<680	**1,100**	**35**	4	7	11	--
04/19-22/10	106.63	--	12.56	0.00	94.07	430	240	160	9	0.7	<0.5	<0.5	--
01/17-20/11	106.63	--	9.70	0.00	96.93	270	190	150	<0.5	<0.5	8	16	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
RW-2 (cont.)													
05/10-12/11	106.63	--	11.96	0.00	94.67	230	91	<50	<0.5	<0.5	<0.5	<0.5	--
05/07-08/12	106.63	--	11.40	0.00	95.23	<30	<69	<50	<0.5	<0.5	2	3	--
11/12-14/12	106.63	--	13.50	0.00	93.13	<29	<67	87	5	<0.5	<0.5	0.9	--
5/20-22/13	106.63	--	12.57	0.00	94.06	<30	<69	<50	1	<0.5	<0.5	<0.5	--
11/11-13/13	106.63	--	14.36	0.00	92.27	<31	<73	<50	2	<0.5	<0.5	<0.5	--
RW-3													
07/07/93	100.70	--	16.14	0.00	84.56	--	--	--	--	--	--	--	--
07/24/02	100.70	UNABLE TO LOCATE		--	--	--	--	--	--	--	--	--	--
10/17-18/02	100.70	UNABLE TO LOCATE		--	--	--	--	--	--	--	--	--	--
01/21/03	100.70	UNABLE TO LOCATE		--	--	--	--	--	--	--	--	--	--
04/23-24/03	100.70	UNABLE TO LOCATE		--	--	--	--	--	--	--	--	--	--
06/30-07/01/03	100.70	UNABLE TO LOCATE		--	--	--	--	--	--	--	--	--	--
10/01-02/03	100.70	UNABLE TO LOCATE		--	--	--	--	--	--	--	--	--	--
01/21-23/04	100.70	--	10.32	0.00	90.38	**3,000**	270	**9,100**	**4,400**	360	520	**1,300**	12.0[13]
04/29-30/04	100.70	--	10.19	0.00	90.51	**5,200**	<250	**11,000**	**5,000**	750	550	**1,600**	10.6[13]
07/15-16/04[15]	100.70	--	10.59	0.00	90.11	**1,300**	**1,330**	**18,900**	**5,350**	341	554	**1,350**	2.32[13]
10/28-11/01/04	100.70	--	10.98	0.00	89.72	**680**	<250	**10,000**	**4,800**	120	680	**1,100**	--
01/24-31/05	100.70	--	10.49	0.00	90.21	**770**	<250	**6,600**	**3,000**	170	460	940	--
04/18-21/05	100.70	--	10.17	0.00	90.53	**3,700**	<250	**8,200**	**3,900**	380	550	**1,300**	--
07/27-28/05	100.70	--	10.45	0.00	90.25	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	100.70	--	10.57	0.00	90.13	NOT SAMPLED		--	--	--	--	--	--
04/17/06	100.70	--	10.72	0.00	89.98	--	--	--	--	--	--	--	--
10/18/06	100.70	--	12.55	0.00	88.15	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED													
RW-4													
06/25/93	110.82	--	20.76	0.00	90.06	--	--	--	--	--	--	--	--
07/07/93	110.82	--	21.65	0.00	89.17	--	--	**14,000**	**6,500**	2,800	370	**2,000**	--
07/24/02	110.82	--	18.30	0.00	92.52	**15,000**	<2,000	**990**	**62**	1.3	32	7.0	3.3
10/17-18/02	110.82	--	19.29	0.00	91.53	**8,930**	**939**	**3,160**	**59.8**	2.50	40.4	15.6	1.23
01/21/03	110.82	--	17.88	0.00	92.94	**2,830**	<500	689	0.991	<0.500	2.37	7.03	<1.00
04/23-24/03	110.82	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
06/30-07/01/03	110.82	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
10/01-02/03	110.82	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
01/21-23/04	110.82	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
04/29-30/04	110.82	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
07/15-16/04	110.82	17.98	18.20	0.22	92.80	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
RW-4 (cont.)													
10/28/04	110.82	--	18.44	0.00	92.38	--	--	--	--	--	--	--	--
10/28-11/01/04	110.82	--	DRY	0.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
01/24-31/05	110.82	--	18.04	0.00	92.78	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/18-21/05	110.82	--	17.86	0.00	92.96	NOT SAMPLED DUE TO INSUFFICIENT WATER/OBSTRUCTION						--	--
07/27-28/05	110.82	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
11/08-10/05	110.82	--	0.00	0.00	110.82	NOT SAMPLED		--	--	--	--	--	--
10/18/06	110.82	--	23.64	0.00	87.18	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED													
RW-5													
07/07/93	104.22	--	12.34	0.00	91.88	--	--	--	--	--	--	--	--
07/24/02	104.22	UNABLE TO LOCATE		--	--	--	--	--	--	--	--	--	--
10/17-18/02	104.22	--	12.63	0.00	91.59	**84,900**	**3,650**	**3,370**		67.2	63.0	408	3.91
01/21/03	104.22	--	11.81	0.00	92.41	**1,860**	<500	493	17.1	4.43	1.37	52.9	13.3
04/23-24/03	104.22	--	11.31	0.00	92.91	**2,050**	<500	2,490	9.73	13.4	<5.00	870	7.31[13]
06/30-07/01/03	104.22	--	11.91	0.00	92.31	**8,010**	<500	2,170	**34.6**	20.3	8.10	**1,050**	1.98[13]
10/01-02/03	104.22	--	13.29	0.00	90.93	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
01/21-23/04	104.22	--	11.52	0.00	92.70	**1,800**	<250	470	**64**	12	2.5	65	1.6[13]
04/29-30/04	104.22	--	11.88	0.00	92.34	NOT SAMPLED DUE TO INSUFFICIENT WATER/OBSTRUCTION						--	--
07/15-16/04[15]	104.22	--	13.32	0.00	90.90	NOT SAMPLED DUE TO INSUFFICIENT WATER/OBSTRUCTION						--	--
10/28-11/01/04	104.22	--	12.98	0.00	91.24	**36,000**	<10,000	**890**	**120**	12	11	58	--
01/24-31/05	104.22	--	11.31	0.00	92.91	**3,200**	360	**880**	**45**	13	6.6	190	--
04/18-21/05	104.22	--	11.40	0.00	92.82	**1,900**	400	150	1.3	<0.5	0.8	9.4	--
07/27-28/05	104.22	--	12.16	0.00	92.06	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	104.22	INACCESIBLE - UNABLE TO MONITOR DUE TO CONSTRUCTION							--	--	--	--	--
04/17/06	104.22	--	12.41	0.00	91.81	--	--	--	--	--	--	--	--
10/18/06	104.22	--	14.38	0.00	89.84	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED													
MP-1													
07/24/02	--	INACCESIBLE - UNABLE TO OPEN WELL				--	--	--	--	--	--	--	--
10/17-18/02	--	INACCESIBLE - UNABLE TO OPEN WELL				--	--	--	--	--	--	--	--
08/03/04	104.95	--	DRY	0.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/17/06	104.95	--	4.32	0.00	100.63	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED													
MP-2													
07/24/02	--	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MP-2 (cont.)													
10/17-18/02	--	--	--	--	--	--	--	--	--	--	--	--	--
08/03/04	97.04	--	115.00	0.00	-17.96	--	--	--	--	--	--	--	--
04/17/06	97.04	--	114.56	0.00	-17.52	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED													
Station 5													
04/05/91	--	--	--	--	--	--	--	**7,400**	**5,040**	12.3	42.1	41.2	--
04/05/91	--	--	--	--	--	--	--	**7,030**	**3,850**	15.0	51.8	50.9	--
04/05/91	--	--	--	--	--	--	--	**3,000**	0.9 J	13.8	10.2	134	--
04/19/91	--	--	--	--	--	--	--	<0.05	<0.5	<1.0	<1.0	1.4 J	--
NOT MONITORED/SAMPLED													
DVP-1													
09/12/02	--	--	6.00	--	--	--	--	**98,100**	**7,640**	18,600	2,660	**15,000**	--
09/12/02	--	--	6.00	--	--	--	--	**107,000**	**13,500**	**19,100**	2,140	**12,400**	--
09/12/02	--	--	6.00	--	--	--	--	**102,000**	**12,300**	17,400	1,980	**11,500**	--
NOT MONITORED/SAMPLED													
TRIP BLANK													
TB-1-1909J													
04/28/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
TB-2-1909J													
04/29/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
TB-3-1909J													
04/30/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
TB-4-1909J													
05/01/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
TB-5-1909J													
05/02/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FIELD BLANK													
FB-1-04/28/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-2-04/29/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-3-04/29/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-1-04/22/10	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-2-04/20/10	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-3-04/21/10	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-1-01/20/11	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-2-01/18/11	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
FIELD BLANK (cont.)													
FB-3-01/18/11	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-1-05/12/11	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-2-05/10/11	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-3-05/10/11	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-1-05/08/12	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-2-05/08/12	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-3-05/08/12	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-1-11/13/12	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-2-11/13/12	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-3-11/13/12	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-1-5/21/13	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-2-5/21/13	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-3-5/21/13	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-1-11/12/13	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-2-11/12/13	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-3-11/12/13	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
QA													
07/24/02	--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	--
10/17-18/02	--	--	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--
11/14/02	--	--	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--
01/21/03	--	--	--	--	--	--	--	--	--	--	--	--	--
04/23-24/03	--	--	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--
06/30-07/01/03	--	--	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--
10/01-02/03	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
10/14/03	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
01/21-23/04	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
04/29-30/04	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
05/03/00	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
07/15-16/04	--	--	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--
10/26-27/04	--	--	--	--	--	--	--	<50	--	--	--	--	--
10/28-11/01/04	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
01/24-31/05	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
02/10/05	--	--	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	--
02/17/05	--	--	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	--
04/18-21/05	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--

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FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
QA (cont.)													
07/27-28/05	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
11/08-10/05	--	--	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	--
11/03/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
11/03/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/03/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/03/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/03/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/03/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/03/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/03/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/14/09	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/15/09	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/16/09	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/13/09	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/14/09	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/15/09	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/20/10	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/21/10	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/22/10	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/19/11	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/20/11	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
05/10/11	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
05/11/11	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
05/12/11	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
05/08/12	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5	<0.5	--
11/13/12	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/14/12	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
05/21/13	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
05/22/13	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/12/13	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/13/13	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
Standard Laboratory Reporting Limits:								50	0.5	0.5	0.5	1.5	1.00
Groundwater Cleanup Levels[1]						500	500	800/1,000	23	19,000	6,900	1,000	15
Current Method:						NWTPH-Dx Extended[4]		NWTPH-Gx and USEPA 8020B					USEPA 7421

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TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Abbreviations:

(D) = Duplicate
D. Lead = Dissolved Lead
DTW/P = Depth to Water or Product
(ft.) = Feet
GWE = Groundwater Elevation
J = Estimated result between the MDL and the laboratory reporting limit
MDL = Method dectection limit
MTCA = Model Toxics Control Act Cleanup Regulations
QA = Quality Assurance/Trip Blank
SPH = Separate-Phase Hydrocarbons
SPHT = SPH Thickness
TOC = Top of Casing
TPH = Total Petroleum Hydrocarbons
TPH-DRO = TPH as Diesel-Range Organics
TPH-GRO = TPH as Gasoline-Range Organics
TPH-HRO = TPH as Heavy Oil-Range Organics
USEPA = United States Environmental Protection Agency
µg/L = Micrograms per liter
-- = Not Measured/Not Analyzed
< = Analyte not detected at or above the laboratory reporting limit. Number represents reporting limit
DRY = The difference between the DTW and the total depth of the well was less than 0.20 inch in thickness, or there was insufficient water column to collect a DTW measurement

Notes:

1 Analytical results in bold font indicate concentrations exceeding cleanup levels. Groundwater cleanup levels based on Method B standard formula values for protection of surface water. Where no value exists, cleanup levels are based on MTCA Method A cleanup levels as allowed by WAC chapter 173-340-730.
2 TOC elevations have been surveyed in feet based on an arbitrary benchmark.
3 GWE corrected for the presence of SPH; correction factor: [(TOC - DTW) + (SPHT x 0.8)].
4 Analized with silica-gel cleanup.
5 Laboratory report indicates the heavy oil range organics present are due to hydrocarbons eluting primarily in the diesel range.
6 Laboratory report indicates this sample was received and analyzed unpreserved.
7 Laboratory report indicates results in the diesel organics range are primarily due to overlap from a gasoline range product.
8 Laboratory report indicates the sample chromatographic pattern does not resemble the fuel standard used for quantitation.
9 Sample container broken during transport to laboratory.
10 Laboratory report indicates this sample was analyzed outside of our recommended holding time. See case narrative.
11 Absorbent sock in well.
12 Laboratory report indicates the hydrocarbons present are a complex mixture of diesel range and heavy oil range organics.
13 Laboratory report indicates this sample was laboratory filtered.
14 Due to limited sample volume; no results will be provided.
15 Pump in well.
16 DTW was adjusted to reflect the difference in measuring tape lengths between different water level meters used to collect DTW measurements across the site.
17 Resampled at a later date due to original samples not returned to lab for analysis within the sample holding period.
18 Laboratory report indicates preservation requirements were not met. The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 5.
19 Reporting limits were raised due to interference from the sample matrix.

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TABLE 2
GROUNDWATER ANALYTICAL RESULTS FOR MONITORED NATURAL ATTENUATION PARAMETERS
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/Date	Iron (µg/L)	Manganese (µg/L)	Nitrate as Nitrogen (µg/L)	Nitrite as Nitrogen (µg/L)	Sulfate (µg/L)	Total Alkalinity[1] (µg/L as CaCO3)	Ferrous Iron (µg/L)	Sulfide (µg/L)
VP-5/MW-5								
04/19-22/10	366	1,740	4,700	<400	73,300	69,500	130	<54
01/17-20/11	2,350	234	11,600	<400	51,300	36,900	26	<54
05/10-12/11	1,240	1,480	5,000	<400	70,100	63,100	560	<54
05/07-08/12	9,890	3,240	7,200[2]	<400[2]	48,900	50,000	48	<54
11/12-14/12	10,500	8,710	530	<400	64,400	48,700	530	<54
5/20-22/13	6,540	5,730	4,200	<400	48,500	127,000	190	<54
11/11-13/13	8,660	19,900	<250	<400	51,300	114,000	39	<54
VP-8/ MW-7								
12/11/08	5,470	527	840	<200	109,000	193,000	<100	<54
04/13-16/09	1,690	217	770	<400	43,700	149,000	960	<54
10/12-15/09	1,220	187	2,300	<400	29,200	112,000	2,800	<54
04/19-22/10	4,400	311	3,300	<400	23,700	112,000	1,200	140
01/17-20/11	71,700	4,330	45,600	<400	28,100	15,700	33	<54
05/10-12/11	1,460	122	3,800	<400	57,800	137,000	500	<54
05/07-08/12	144,000	3,420	17,300[2]	<400[2]	39,900	78,000	80	<54
11/12-14/12	178,000	3,690	3,300	<400	51,900	141,000	170	<54
5/20-22/13	INACCESSIBLE - VEHICLE PARKED OVER WELL							
11/11-13/13	64,600	1,900	2,500	<400	46,800	139,000	70	<54
MW-4								
11/10/08	<52.2	1,460	4,720	<200	220,000	117,000	<100	<54
04/13-16/09	299	3,570	1,300	<400	133,000	206,000	420	<54
10/12-15/09	643	6,300	<250	<400	99,200	267,000	690	230
04/19-22/10	876	5,370	<250	<400	23,900	233,000	690	81
01/17-20/11	4,210	2,630	1,900	<400	21,100	217,000	890	<54
05/10-12/11	6,760	6,130	<250	<400	27,800	255,000	1,500	<54
05/07-08/12	6,700	6,720	2,700[2]	<400[2]	11,000	323,000	1,000	<54
11/12-14/12	4,180	6,530	<250	<400	8,600	427,000	1,400	<54
5/20-22/13	6,450	7,110	<390	<400	5,300	358,000	1,900	<54
11/11-13/13	3,840	6,500	<250	<400	2,900	388,000	1,900	<54
MW-6								
05/01/08	22,900	5,170	560	<200	155,000	57,400	17,300	270
11/10/08	6,590	32,400	21,100	300	785,000	38,900	698	<54
11/10/08 (D)	6,370	32,700	21,000	310	843,000	39,200	819	<54
04/13-16/09	8,860	14,800	280	<400	248,000	298,000	3,500	<54
10/12-15/09	4,060	5,560	<250	<400	72,900	397,000	4,800	230
04/19-22/10	33,600	15,500	<250	<400	151,000	400,000	37,100	150
01/17-20/11	43,500	23,100	<250	<400	270,000	327,000	43,400	110
05/10-12/11	35,500	33,800	<250	<400	96,800	702,000	22,800	340
05/07-08/12	25,000	23,900	<250[2]	<400[2]	98,000	394,000	20,700	850
11/12-14/12	14,800	16,000	<250	<400	140,000	459,000	4,400	1,900

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TABLE 2
GROUNDWATER ANALYTICAL RESULTS FOR MONITORED NATURAL ATTENUATION PARAMETERS
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/Date	Iron (µg/L)	Manganese (µg/L)	Nitrate as Nitrogen (µg/L)	Nitrite as Nitrogen (µg/L)	Sulfate (µg/L)	Total Alkalinity[1] (µg/L as CaCO3)	Ferrous Iron (µg/L)	Sulfide (µg/L)
MW-6 (cont.)								
5/20-22/13	50,700	24,000	<250	<400	45,500	639,000	34,000	77
11/11-13/13	6,500	6,320	<250	<400	79,700	326,000	3,900	100
MW-9								
11/10/08	23,400	21,400	<200	<200	13,800	578,000	2,500	200
04/13-16/09	31,200	37,000	<250	<400	242,000	354,000	30,200	110
10/12-15/09	25,300	20,700	<250	<400	116,000	384,000	25,000	130
04/19-22/10	25,900	13,200	<250	<400	128,000	328,000	25,300	67
01/17-20/11	68,500	69,300	<250	<400	88,800	360,000	27,500	410
05/10-12/11	23,300	10,800	<250	<400	64,700	339,000	17,200	290
05/07-08/12	39,100	11,400	<250	<400	48,100	341,000	18,000	2,500
11/12-14/12	19,300	18,700	<250	<400	49,900	295,000	7,600	3,400
5/20-22/13	51,700	20,800	<250	<400	41,100	341,000	16,000	1,600
11/11-13/13	37,700	12,200	<250	<400	32,000	298,000	12,900	3,300
MW-10								
05/01/08	32,800	3,110	320	<200	33,900	208,000	--	<54
11/10/08	390	1,570	1,330	<200	45,900	168,000	120	<54
04/13-16/09	575	2,860	2,000	<400	64,400	192,000	510	<54
10/12-15/09	2,970	3,350	<250	<400	79,600	181,000	470	<54
04/19-22/10	1,410	960	3,500	<400	50,700	227,000	29	<54
01/17-20/11	5,210	4,460	9,200	<400	33,300	229,000	<10	<54
05/10-12/11	3,680	2,220	3,800	<400	37,300	199,000	100	<54
05/07-08/12	2,290	1,310	6,900	<400	35,400	167,000	57	<54
11/12-14/12	9,830	7,700	<250	<400	91,200	153,000	87	<54
5/20-22/13	7,080	2,770	3,200	<400	66,600	158,000	43	<54
11/11-13/13	3,250	1,810	5,400	<400	31,400	244,000	<10	<54
MW-14								
04/19-22/10	8,080	7,530	<250	<400	127,000	342,000	8,600	93
01/17-20/11	28,300	6,880	<250	<400	38,800	308,000	10,100	110
05/10-12/11	14,900	6,770	<250	<400	33,300	320,000	10,700	130
05/07-08/12	35,700	8,480	<250[2]	<400[2]	19,300	394,000	13,800	5,900
11/12-14/12	61,400	8,030	<250	<400	12,700	420,000	11,800	13,300
5/20-22/13	78,600	7,920	<250	<400	18,500	418,000	10,100	28,900
11/11-13/13	63,100	7,780	<250	<400	7,400	436,000	6,000	14,200
MW-15								
12/11/08	116	96	490	<200	25,400	44,400	<100	<54
04/13-16/09	405	139	<250	<400	6,600	29,100	<10	<54
10/12-15/09	274	330	<250	<400	99,800	84,800	37	<54
04/19-22/10	<52.2	7.2	<250	<400	3,100	45,000	<10	<54
01/17-20/11	4,600	238	<250	<400	2,300	41,300	20	<54
05/10-12/11	793	146	<250	<400	2,700	42,200	44	<54

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TABLE 2
GROUNDWATER ANALYTICAL RESULTS FOR MONITORED NATURAL ATTENUATION PARAMETERS
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/Date	Iron (µg/L)	Manganese (µg/L)	Nitrate as Nitrogen (µg/L)	Nitrite as Nitrogen (µg/L)	Sulfate (µg/L)	Total Alkalinity[1] (µg/L as CaCO3)	Ferrous Iron (µg/L)	Sulfide (µg/L)
MW-15 (cont.)								
05/07-08/12	4,150	582	<250[2]	<400[2]	13,300	87,100	40	<54
11/12-14/12	18,700	3,570	<250	<400	46,900	245,000	42	<54
5/20-22/13	6,840	1,010	<250	<400	4,800	74,300	46	<54
11/11-13/13	4,380	2,310	<250	<400	23,500	171,000	63	<54
MW-16								
05/02/08	2,250	1,240	1,630	600	23,900	121,000	<250	<54
11/06/08	181	1,900	5,580	<200	46,200	50,300	<100	<54
04/13-16/09	508	205	9,800	<400	24,900	63,100	<10	<54
10/12-15/09	78.4	172	14,900	<400	24,700	67,300	17	<54
04/19-22/10	925	1,630	7,900	<400	22,300	58,100	<10	<54
01/17-20/11	43,600	4,020	5,900	<400	14,500	67,400	10	<54
05/10-12/11	2,480	1,660	6,400	<400	17,300	55,700	81	<54
05/07-08/12	1,390	2,350	5,700	<400	11,700	58,900	<10	<54
11/12-14/12	31,600	8,210	11,100	<400	14,500	75,600	<10	<54
5/20-22/13	3,410	384	7,700	<400	13,200	77,100	<10	<54
11/11-13/13	305	255	7,800	<400	15,200	108,000	44	<54
MW-17								
05/01/08	2,820	2,570	<200	<200	27,600	111,000	<250	<54
11/06/08	499	1,990	1,500	<200	65,700	92,800	<100	<54
11/06/08 (D)	647	2,450	1,090	<200	68,400	111,000	<100	<54
04/13-16/09	343	1,520	1,500	<400	68,000	92,900	130	<54
10/12-15/09	273	2,890	2,900	<400	28,000	218,000	180	<54
04/19-22/10	1,150	1,090	6,100	<400	26,000	74,900	<10	<54
01/17-20/11	134	116	4,600	<400	26,000	75,400	<10	<54
05/10-12/11	912	1,870	1,600	<400	30,000	90,500	43	<54
05/07-08/12	890	1,060	9,900[2]	<400[2]	34,000	78,500	44	<54
11/12-14/12	2,570	1,230	2,200	<400	22,900	84,600	<10	<54
5/20-22/13	1,000	2,870	7,200	<400	22,100	148,000	27	<54
11/11-13/13	1,230	3,470	5,500	<400	19,300	196,000	760	<54
MW-18								
12/11/08	3,170	4,300	<200	<200	55,300	266,000	<100	<54
04/13-16/09	8,880	3,220	<250	<400	77,500	196,000	2,100	<54
10/12-15/09	2,670	3,820	<250	<400	41,900	247,000	2,900	66
04/19-22/10	420	1,900	4,100	<400	32,800	178,000	120	<54
01/17-20/11	106,000	710	7,200	<400	22,000	107,000	18	<54
05/10-12/11	525	1,050	6,600	<400	28,100	162,000	31	<54
05/07-08/12	3,990	624	8,100[2]	<400[2]	25,900	116,000	75	<54
11/12-14/12	11,200	2,230	<250	<400	5,800	240,000	4,400	<54
5/20-22/13	8,270	1,650	5,800	<400	15,800	146,000	140	<54
11/11-13/13	12,700	2,330	<250	<400	8,000	315,000	5,900	<54

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TABLE 2
GROUNDWATER ANALYTICAL RESULTS FOR MONITORED NATURAL ATTENUATION PARAMETERS
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/Date	Iron (µg/L)	Manganese (µg/L)	Nitrate as Nitrogen (µg/L)	Nitrite as Nitrogen (µg/L)	Sulfate (µg/L)	Total Alkalinity[1] (µg/L as CaCO3)	Ferrous Iron (µg/L)	Sulfide (µg/L)
MW-21								
05/01/08	8,110	395	<200	<200	21,900	268,000	2,130	<54
11/06/08	5,980	374	<200	<200	18,400	260,000	216	<54
04/13-16/09	6,260	334	<250	<400	18,900	245,000	4,600	<54
10/12-15/09	4,740	299	<250	<400	19,900	234,000	5,100	<54
04/19-22/10	7,320	200	<250	<400	20,600	164,000	3,900	<54
01/17-20/11	55,800	930	<250	<400	40,900	198,000	6,100	140
05/10-12/11	27,200	514	<250	<400	42,700	202,000	4,600	<54
05/07-08/12	8,860	399	<250[2]	<400[2]	39,100	238,000	4,700	<54
11/12-14/12	8,670	401	<250	<400	38,300	260,000	4,800	<54
5/20-22/13	8,120	422	<250	<400	39,000	270,000	5,300	<54
11/11-13/13	7,380	484	<250	<400	41,400	282,000	5,100	<54
MW-25								
04/19-22/10	<52.2	1,280	1,600	<400	28,600	180,000	<10	<54
01/17-20/11	8,470	1,880	3,600	<400	23,800	168,000	46	<54
05/10-12/11	1,460	1,430	890	<400	21,200	157,000	51	<54
05/07-08/12	624	1,250	3,600[2]	<400[2]	12,800	134,000	<10	<54
11/12-14/12	1,540	3150	470	<400	12,100	207,000	140	<54
5/20-22/13	1,830	2,500	1,500	<400	10,900	174,000	81	<54
11/11-13/13	2,700	2,190	1,100	<400	8,800	173,000	130	<54
MW-26								
05/01/08	3,030	3,660	<200	<200	137,000	129,000	373	57
05/01/08 (D)	3,210	3,660	<200	<200	133,000	131,000	817	<54
11/06/08	4,260	3,710	800	<200	117,000	156,000	275	78
04/13-16/09	319	1,380	5,600	<8,000[3]	16,500	142,000	71	<54
10/12-15/09	<52.2	1,040	10,300	<400	60,800	88,400	12	<54
04/19-22/10	<52.2	48.4	17,700	<400	44,300	87,200	12	<54
01/17-20/11	98.3	55.6	15,300	<400	33,700	97,100	20	<54
05/10-12/11	<52.2	29.7	19,400	<400	51,300	93,800	23	<54
05/07-08/12	34,800	7,170	8,800[2]	<400[2]	38,100	103,00	<10	<54
11/12-14/12	752	2,010	8,200	<400	23,400	122,000	<10	<54
5/20-22/13	373	276	13,900	<400	22,300	68,700	14	<54
11/11-13/13	90.6	747	12,200	<400	13,900	111,000	15	<54
MW-30								
04/30/08	1,570	144	4,910	<200	16,500	228,000	<250	<54
11/06/08	196	108	4,110	<200	10,700	226,000	<100	<54
11/06/08 (D)	325	92.9	4,090	<200	11,000	224,000	<100	<54
04/13-16/09	410	174	4,800[1]	<400	13,200	225,000	<10	<54
10/12-15/09	59.8	120	9,500	<400	15,500	216,000	<10	<54
04/19-22/10	1,830	352	690	<400	8,100	281,000	<33	<54
01/17-20/11	71,800	6,500	22,700	<400	28,800	267,000	<10	<54

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TABLE 2
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FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/Date	Iron (µg/L)	Manganese (µg/L)	Nitrate as Nitrogen (µg/L)	Nitrite as Nitrogen (µg/L)	Sulfate (µg/L)	Total Alkalinity[1] (µg/L as CaCO3)	Ferrous Iron (µg/L)	Sulfide (µg/L)
MW-30 (cont.)								
05/10-12/11	53,800	4,410	23,200	<400	27,600	223,000	<10	<110
05/07-08/12	189,000	8,160	20,800[2]	<400[2]	36,200	227,000	<10	<110
11/12-14/12	7,350	961	11,700	<400	30,700	205,000	27	<54
5/20-22/13	402	322	660	<400	29,200	227,000	73	<54
11/11-13/13	849	606	1,000	<400	38,000	179,000	<10	<54
MW-31								
04/19-22/10	567	10.1	340	<400	57,300	161,000	55	<54
01/17-20/11	247,000	6,290	710	<400	41,400	144,000	10	<110
05/10-12/11	177,000	4,950	900	<400	43,700	136,000	<10	<220
05/07-08/12	5,370	2,130	<250[2]	<400[2]	36,300	255,000	3,100	<54
11/12-14/12	201	4.7	<250	<400	40,600	140,000	12	<54
5/20-22/13	3,800	97.7	<250	<400	42,000	141,000	<10	<54
11/11-13/13	431	12.7	420	<400	38,300	136,000	<10	<54
MW-33								
04/19-22/10	4,650	236	<250	<400	17,300	252,000	4,100	460
01/17-20/11	12,300	366	<250	<400	30,900	243,000	3,900	3,900
05/10-12/11	7,480	520	<250	<400	42,600	236,000	3,200	1,600
05/07-08/12	5,060	390	<250[2]	<400[2]	55,000	271,000	3,600	480
11/12-14/12	120,000	1,740	<250	<400	49,000	306,000	3,700	4,800
5/20-22/13	14,200	492	<250	<400	40,300	333,000	3,400	690
11/11-13/13	5,420	472	<250	<400	35,300	355,000	4,600	330
MW-34								
04/30/08	1,750	37.4	11,400	<200	23,000	113,000	<250	<54
11/06/08	426	15.7	15,900	<200	24,500	90,100	<100	<54
04/13-16/09	<52.2	0.91	15,200	<400	47,400	96,100	75	<54
10/12-15/09	576	15.3	12,300	<400	37,100	102,000	30	<54
04/19-22/10	8,360	175	9,900	<400	23,400	99,600	37	<54
01/17-20/11	175,000	3,290	11,700	<400	21,200	85,200	21	<220
05/10-12/11	311,000	5,820	12,400	<400	23,200	84,700	<10	<54
05/07-08/12	2,460	49.7	13,700[2]	<400[2]	25,000	84,600	34	<54
11/12-14/12	262	8.0	11,300	<400	26,400	100,000	<10	<54
5/20-22/13	193	4.9	12,000	<400	25,800	94,600	<10	<54
11/11-13/13	868	21.8	12,900	<400	24,800	98,400	19	<54
MW-35								
05/01/08	2,010	3,620	<200	<200	<1500	391,000	636	<54
04/13-16/09	21,300	2,330	<250	<400	21,700	357,000	1,950	73
10/12-15/09	14,700	1,880	<250	<400	37,100	214,000	2,900	170
04/19-22/10	45,100	2,230	<250	<400	46,500	200,000	4,600	400
01/17-20/11	100,000	3,140	340	<400	80,200	173,000	2,000	170
05/10-12/11	59,800	3,040	710	<400	74,900	176,000	980	<54

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TABLE 2
GROUNDWATER ANALYTICAL RESULTS FOR MONITORED NATURAL ATTENUATION PARAMETERS
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/Date	Iron (µg/L)	Manganese (µg/L)	Nitrate as Nitrogen (µg/L)	Nitrite as Nitrogen (µg/L)	Sulfate (µg/L)	Total Alkalinity[1] (µg/L as CaCO3)	Ferrous Iron (µg/L)	Sulfide (µg/L)
MW-35 (cont.)								
05/07-08/12	65,600	2,690	<250[2]	<400[2]	65,800	182,000	1,300	<54
11/12-14/12	208,000	1,750	<250	<400	86,200	211,000	1,100	<54
5/20-22/13	13,400	2,720	<250	<400	62,000	211,000	650	<54
11/11-13/13	13,000	2,450	<250	<400	63,800	202,000	2300	<54
DPE-8/MW-22								
11/06/08	99,600	22,300	<200	<200	4,200	529,000	4,620	580
04/13-16/09	24,200	5,980	340	<400	47,300	228,000	23,700	140
10/12-15/09	13,600	3,830	<250	<400	46,800	188,000	15,100	610
04/19-22/10	2,370	1,280	<250	<400	61,600	109,000	1,500	<54
01/17-20/11	1,340	267	3,500	<400	34,500	68,900	<10	<54
05/10-12/11	4,620	2,820	470	<400	72,400	98,200	690	<54
05/07-08/12	3,140	652	1,700	<400	35,700	104,000	57	<54
11/12-14/12	2,620	2,370	650	<400	13,600	397,000	57	<54
5/20-22/13	2,150	803	910	<400	20,900	144,000	45	<54
11/11-13/13	11,200	4,000	<250	<400	7,900	516,000	2,100	<54
Current Method:	SW-8460 6010B		USEPA 300			SM20 2320 B	SM20 4500 S2 D	

Abbreviations:
(D) = Duplicate
USEPA = United States Environmental Protection Agency
µg/L = Micrograms per liter
-- = Not Measured/Not Analyzed
< = Analyte not detected at or above the laboratory reporting limit. Number represents reporting limit

Notes:
1 Prior to November 2012 monitoring event, Total Alkalinity was reported as Alkalinity to pH 4.5.
2 Analysis performed outside of holding time.
3 Reporting limits were raised due to interference from the sample matrix.

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Attachment A:
Groundwater Monitoring and Sampling Data Package

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #211577** Job Number: **386765**

Site Address: **631 Queen Anne North** Event Date: 11/11 - 11/13 (inclusive)

City: **Seattle, WA** Sampler: AV

Well ID VP-4 Date Monitored: 11-11-13

Well Diameter 2 in.

Total Depth 14.13 ft.

Depth to Water 12.78 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.

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

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

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 0950 Weather Conditions: Cloudy

Sample Time/Date: 1040 / 11-13-13 Water Color: Cloudy Odor: Y / (N)

Approx. Flow Rate: ~200 mlpm Sediment Description: Cloudy

Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 12.89

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - MS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1008	3.6	6.46	0.750	14.66	6.50	82	12.80
1011	4.2	6.49	0.756	14.62	5.48	88	12.85
1014	4.8	6.52	0.756	14.61	5.45	91	12.89

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
VP-4	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ~13.0ft.

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11/11 - 11/13 (inclusive)
City: Seattle, WA Sampler: AW

Well ID VP-5/MW-5 Date Monitored: 11-11-13
Well Diameter 2 in.
Total Depth 16.44 ft.
Depth to Water 12.36 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

☐ Check if water column is less then 0.50 ft.

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

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

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

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

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:

Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1055 Weather Conditions: Cloudy
Sample Time/Date: 1140 / 11-13-13 Water Color: Cloudy Odor: Y / N
Approx. Flow Rate: ~200 mlpm Sediment Description: Cloudy
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 12.49

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - mS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1113	3.6	6.14	0.476	14.47	3.62	-8	1240
1116	4.2	6.11	0.480	14.50	3.61	-10	12.43
1119	4.8	6.10	0.483	14.62	3.59	-11	12.49

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
VP-5/MW-5	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ~14.0ft.

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #211577** Job Number: **386765**

Site Address: **631 Queen Anne North** Event Date: 11.11/13.13 (inclusive)

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

Well ID VP-7/MW-3 Date Monitored: 11.11.13

Well Diameter 2 in.

Total Depth 12.41 ft.

Depth to Water 10.64 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.

1.77 xVF - = - x3 case volume = Estimated Purge Volume: - gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.99

Purge Equipment:

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

Sampling Equipment:

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

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:

Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): Weather Conditions:

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

Approx. Flow Rate: mlpm Sediment Description:

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

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: 10.0

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11/11 - 11/13 (inclusive)
City: Seattle, WA Sampler: AW

Well ID VP-8/MW-7 Date Monitored: 11-11-13
Well Diameter 2 in.
Total Depth 18.07 ft.
Depth to Water 12.97 ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

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

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

Start Time (purge): 0850 Weather Conditions: Cloudy
Sample Time/Date: 0935 / 11-13-13 Water Color: Cloudy Odor: Y / N
Approx. Flow Rate: 200 mlpm Sediment Description: Cloudy
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 13.08

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0908	3.6	6.38	0.474	13.53	6.02	92	13.02
0911	4.2	6.40	0.480	13.57	6.02	95	13.05
0914	4.8	6.42	0.482	13.59	6.01	98	13.08

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
VP-8/MW-7	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	3 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ~15.0

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #211577** Job Number: **386765**

Site Address: **631 Queen Anne North** Event Date: 11.11.13 (inclusive)

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

Well ID MW-9

Well Diameter 2 in.

Total Depth 12.63 ft.

Depth to Water DRY ft.

Date Monitored: 11.11.13

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

☐ Check if water column is less then 0.50 ft.

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

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

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): ___ Weather Conditions: ___

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

Approx. Flow Rate: ___ mlpm Sediment Description: ___

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

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: DRY @ 12.63

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11/[illegible] 11-13-17 (inclusive)
City: Seattle, WA Sampler: GM

Well ID MW-4 Date Monitored: 11/11/13
Well Diameter 2 in.
Total Depth 17.39 ft.
Depth to Water 11.96 ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

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

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

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: 0 ft
Visual Confirmation/Description:

Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1035 Weather Conditions: Cloudy
Sample Time/Date: 1116 / 11/13/17 Water Color: cloudy Odor: Y / N Strong
Approx. Flow Rate: 200 mlpm Sediment Description: Silt
Did well de-water? No If yes, Time: — Volume: — gal. DTW @ Sampling: 12.09

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm, µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1053	7.6	6.67	0.963	15.2	3.53	3	12.06
1056	4.2	6.61	0.959	15.2	3.51	3	12.06
1059	4.8	6.59	0.956	15.2	3.50	2	12.07

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ≈ 14.20

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11-11-13 (inclusive)
City: Seattle, WA Sampler: AW

Well ID MW-6 Date Monitored: 11-11-13
Well Diameter 2 in.
Total Depth 28.20 ft.
Depth to Water 19.87 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.

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

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

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

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

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

Start Time (purge): 1110 Weather Conditions: Rainy
Sample Time/Date: 1155 / 11-12-13 Water Color: Cloudy Odor Y / N moderate
Approx. Flow Rate: 200 mlpm Sediment Description: cloudy
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 19.93

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1128	3.6	6.63	1.12	14.2	1.63	-85	19.89
1131	4.2	6.67	1.15	14.5	1.65	-89	19.91
1134	4.8	6.67	1.18	14.6	1.68	-92	19.93

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ~ 22.0ft.

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11-13/13 (inclusive)
City: Seattle, WA Sampler: GM/AW

Well ID MW-9 Date Monitored: 11/11/13
Well Diameter 2 in.
Total Depth 27.25 ft.
Depth to Water 20.21 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.

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

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

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

Start Time (purge): 0730 Weather Conditions: Cloudy
Sample Time/Date: 0823 11/13/13 Water Color: Clear Odor: (Y) N STRONG
Approx. Flow Rate: 200 mlpm Sediment Description: SILT
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 20.51

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (~~µmhos/cm~~ mS)	Temperature (C) F	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0748	3.6	6.92	1.33	14.7	4.02	41	20.49
0751	4.2	6.80	1.32	14.6	4.01	~~39~~	20.50
0754	4.8	6.79	1.32	14.5	4.01	37	20.50

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-9	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: 23.50
Replaced Gasket

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #211577** Job Number: **386765**

Site Address: **631 Queen Anne North** Event Date: 11/11-13/13 (inclusive)

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

Well ID MW-10 Date Monitored: 11/11/13

Well Diameter 2 in.

Total Depth 29.04 ft.

Depth to Water 12.54 ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 0920 Weather Conditions: Rain

Sample Time/Date: 1000 / 11/12/13 Water Color: Clear Odor: Y (N)

Approx. Flow Rate: 200 mlpm Sediment Description: SL. SILT

Did well de-water? NO If yes, Time: ~ Volume: ~ gal. DTW @ Sampling: 12.72

Time (2400 hr.)	Volume (Liters)	pH	Conductivity mS ~~(µmhos/cm - µS)~~	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0938	3.0	6.15	1.56	16.2	3.17	297	12.71
0941	4.2	6.13	1.55	16.2	3.17	296	12.71
0944	4.9	6.12	1.55	16.2	3.17	295	12.72

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-10	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ≈ 20.00

Readings take with Horiba U-22 Flow Cell W/ Gasket

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11.11.13 (inclusive)
City: Seattle, WA Sampler: JF

Well ID MW-11
Well Diameter 2 in.
Total Depth ~~10.97~~ ft. 11.04
Depth to Water 0.04 ft.
Date Monitored: 11.11.13

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

☐ Check if water column is less then 0.50 ft.

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

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

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

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

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

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

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: 0.04 @ 11.04

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: **Chevron #211577** Job Number: **386765**

Site Address: **631 Queen Anne North** Event Date: 11.11.13 (inclusive)

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

Well ID MW-12 Date Monitored: 11.11.13

Well Diameter 2 in.

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

Total Depth 10.44 ft.

Depth to Water 11.29 ft. ☐ Check if water column is less then 0.50 ft.

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

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

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): Weather Conditions:

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

Approx. Flow Rate: mlpm Sediment Description:

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

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: MW-0

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765

Site Address: 631 Queen Anne North Event Date: 11/11/13 (inclusive)

City: Seattle, WA Sampler: J.P

Well ID MW-13 Date Monitored: 11.11.13

Well Diameter 2 in.

Total Depth 19.88 ft.

Depth to Water 17.97 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.

1.91 xVF - = - x3 case volume = Estimated Purge Volume: - gal.

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

Purge Equipment:

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

Sampling Equipment:

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

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:

Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): Weather Conditions:

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

Approx. Flow Rate: mlpm Sediment Description:

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

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: MD

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #211577** Job Number: **386765**

Site Address: **631 Queen Anne North** Event Date: 11/11-13/17 (inclusive)

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

Well ID MW-14 Date Monitored: 11/11/13

Well Diameter 2 in.

Total Depth 24.59 ft.

Depth to Water 11.69 ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 0940 Weather Conditions: CLOUDY

Sample Time/Date: 1021 / 11/13/13 Water Color: CLOUDY Odor: (Y) N SLIGHT

Approx. Flow Rate: 200 mlpm Sediment Description: SILT

Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 11.80

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (~~umhos/cm~~ mS)	Temperature (C) F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0958	3.6	6.53	1.003	14.4	3.70	94	11.80
1001	4.2	6.53	0.996	14.4	3.70	94	11.80
1004	4.8	6.53	0.994	14.3	3.69	93	11.80

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-14	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ~ 13.00

Replaced Gasket

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11/11-13/13 (inclusive)
City: Seattle, WA Sampler: GM

Well ID MW-15 Date Monitored: 11/11/13
Well Diameter 2 in.
Total Depth 24.23 ft.
Depth to Water 9.52 ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: Ø ft
Visual Confirmation/Description:

Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

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

Start Time (purge): 1130 Weather Conditions: Cloudy
Sample Time/Date: 1224 / 11/13/13 Water Color: Cloudy Odor: Y (N)
Approx. Flow Rate: 200 mlpm Sediment Description: Slt
Did well de-water? No If yes, Time: — Volume: — gal. DTW @ Sampling: 9.71

Time (2400 hr.)	Volume (Liters)	pH	Conductivity µS (µmhos/cm mS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1143	3.6	6.35	0.493	14.3	4.15	24	9.70
1151	4.2	6.33	0.495	14.3	4.14	22	9.71
1154	4.8	6.33	0.494	14.3	4.13	22	9.71

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-16	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ≈ 17.00

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #211577** Job Number: **386765**
Site Address: **631 Queen Anne North** Event Date: 11.11 / 13.13 (inclusive)
City: **Seattle, WA** Sampler: J.P

Well ID: MW-16 Date Monitored: 11.11.13
Well Diameter: 2 in.
Total Depth: 24.79 ft.
Depth to Water: 12.12 ft. ☐ Check if water column is less then 0.50 ft.

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

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

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.65

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

Purge Equipment:
- Disposable Bailer ______
- Stainless Steel Bailer ______
- Stack Pump ______
- Suction Pump ______
- Grundfos ______
- Peristaltic Pump ✓
- QED Bladder Pump ______
- Other: ______

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

Start Time (purge): 1352 Weather Conditions: Overcast
Sample Time/Date: 1404 / 11.13.13 Water Color: Clear Odor: Y / N (N circled)
Approx. Flow Rate: 100 mlpm Sediment Description: None
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 12.73

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (~~µmhos/cm - µS~~) mS	Temperature (C / F) (C circled)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1356	1.0	6.31	.648	16.21	4.66	166	12.23
1359	2.1	6.33	.649	16.30	4.66	162	12.68
1362	2.4	6.36	.649	16.36	4.62	164	12.73

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-16	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: 18'-19'

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765

Site Address: 631 Queen Anne North Event Date: 11.11 / 13.13 (inclusive)

City: Seattle, WA Sampler: J.P

Well ID: MW-17 Date Monitored: 11.11.13

Well Diameter: 2 in.

Total Depth: 26.11 ft.

Depth to Water: 9.87 ft. ☐ Check if water column is less then 0.50 ft.

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

15.24 xVF – = – x3 case volume = Estimated Purge Volume: – gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.91

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

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

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

Start Time (purge): 1360 Weather Conditions: Overcast

Sample Time/Date: 1428 / 11.12.13 Water Color: Clear Odor: Y / (N)

Approx. Flow Rate: 100 mlpm Sediment Description: None

Did well de-water? No If yes, Time: – Volume: – gal. DTW @ Sampling: 10.20

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (mS) (~~µmhos/cm - µS~~)	Temperature (C) F	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1416	1.8	6.34	.475	17.97	2.55	106	10.03
1419	2.1	6.32	.472	18.10	2.62	104	10.18
1422	2.4	6.30	.470	18.20	2.49	101	10.20

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-17	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: FB-2 DUP-2 16'-17'

Add/Replaced Lock: ✓ Add/Replaced Plug: ______ Add/Replaced Bolt: ______

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #211577** Job Number: **386765**

Site Address: **631 Queen Anne North** Event Date: 11/11-11/13 (inclusive)

City: **Seattle, WA** Sampler: MW

Well ID MW-18 Date Monitored: 11-11-13

Well Diameter 2 in.

Total Depth 24.30 ft.

Depth to Water 11.68 ft.

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

☐ Check if water column is less then 0.50 ft.

12.72 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	✓
Suction Pump		Peristaltic Pump	
Grundfos		QED Bladder Pump	
Peristaltic Pump	✓	Other:	
QED Bladder Pump			
Other:			

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

Start Time (purge): 1150 Weather Conditions: Cloudy

Sample Time/Date: 1240 / 11-13-13 Water Color: Cloudy Odor: Y / N

Approx. Flow Rate: 200 mlpm Sediment Description: Cloudy

Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 11.66

Time (2400 hr.)	Volume (Liters)	pH	Conductivity MS (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1208	3.6	6.43	0.677	14.43	4.83	3	11.60
1211	4.2	6.47	0.680	14.45	4.80	5	11.63
1214	4.8	6.49	0.682	14.47	4.78	5	11.66

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-18	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ~14.0 ft.

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 | Job Number: 386765
Site Address: 631 Queen Anne North | Event Date: 11.11 | 13.13 (inclusive)
City: Seattle, WA | Sampler: J.P

Well ID: MW-19 | Date Monitored: 11.11.13
Well Diameter: 2 in.
Total Depth: 24.30 ft.
Depth to Water: 11.27 ft.
13.03 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

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.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.67

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

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

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

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

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: 14.0

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: **Chevron #211577** Job Number: **386765**

Site Address: **631 Queen Anne North** Event Date: 11.11 | 13.13 (inclusive)

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

Well ID MW-2D Date Monitored: 11-14-13

Well Diameter 1 in.

Total Depth 19.79 ft.

Depth to Water 7.94 ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

Purge Equipment:

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

Sampling Equipment:

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

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:

Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): Weather Conditions:

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

Approx. Flow Rate: mlpm Sediment Description:

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

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: MID

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 | Job Number: 386765
Site Address: 631 Queen Anne North | Event Date: 11.11/13.13 (inclusive)
City: Seattle, WA | Sampler: J.P

Well ID: MW-21 | Date Monitored: 11.11.13
Well Diameter: 2 in.
Total Depth: 36.16 ft.
Depth to Water: 25.69 ft. ☐ Check if water column is less then 0.50 ft.

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

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

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 27.58

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

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

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

Start Time (purge): 1248 | Weather Conditions: OVERCAST
Sample Time/Date: 1320 / 11.12.13 | Water Color: CLEAR | Odor: Y / (N)
Approx. Flow Rate: 1000 mlpm | Sediment Description: NONE
Did well de-water? NO | If yes, Time: — | Volume: — gal. | DTW @ Sampling: 25.88

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (~~µmhos/cm~~ µS)	Temperature (C) / F	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1306	1.8	6.77	.665	15.09	4.79	41	25.88
1309	2.1	6.77	.660	16.19	4.76	39	25.88
1312	2.4	10.79	.660	16.26	4.74	37	25.88

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-21	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: 26'-27'

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #211577** Job Number: **386765**

Site Address: **631 Queen Anne North** Event Date: 11.11.13 (inclusive)

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

Well ID MW-23 Date Monitored: 11.11.13

Well Diameter 3/4 in.

Total Depth 13.92 ft.

Depth to Water 9.14 ft.

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

☐ Check if water column is less then 0.50 ft.

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

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.11

Purge Equipment:

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

Sampling Equipment:

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

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:

Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): Weather Conditions:

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

Approx. Flow Rate: mlpm Sediment Description:

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

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 250ml clear glass	YES	NaOH &ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: 11.0

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11.11.13 (inclusive)
City: Seattle, WA Sampler: J.P

Well ID MW-24 Date Monitored: 11.11.13
Well Diameter 3/4 in.
Total Depth 12.44 ft.
Depth to Water 5.35 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.

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

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

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

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

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

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

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 250ml clear glass	YES	NaOH & Zn Ac	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: MC

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #211577** Job Number: **386765**
Site Address: **631 Queen Anne North** Event Date: 11/11-13/13 (inclusive)
City: **Seattle, WA** Sampler: GM

Well ID MW-25 Date Monitored: 11/11/13
Well Diameter 4 in.
Total Depth 22.82 ft.
Depth to Water 12.10 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.

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

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

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

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

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

Start Time (purge): 0845 Weather Conditions: CLOUDY
Sample Time/Date: 0928 / 11/13/13 Water Color: CLEAR Odor: Y / (N)
Approx. Flow Rate: 200 mlpm Sediment Description: SILT
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 12.22

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm ~~µS~~)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0903	3.6	6.24	0.857	14.1	4.16	276	12.21
0906	4.2	6.23	0.856	14.1	4.16	274	12.21
0909	4.8	6.23	0.851	14.0	4.15	273	12.22

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-25	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ≈ 17.60

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11.11.13 (inclusive)
City: Seattle, WA Sampler: J.P

Well ID MW-26 Date Monitored: 11-11-13
Well Diameter 4 in.
Total Depth 22.66 ft.
Depth to Water 10.91 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.

11.75 xVF - = - x3 case volume = Estimated Purge Volume: - gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.26

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

Purge Equipment:		Sampling Equipment:	
Disposable Bailer		Disposable Bailer	
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	2
Suction Pump		Peristaltic Pump	x
Grundfos		QED Bladder Pump	
Peristaltic Pump	x	Other:	
QED Bladder Pump			
Other:			

Start Time (purge): 1220 Weather Conditions: OVERCAST
Sample Time/Date: 1251 / 11.13.13 Water Color: CLEAR Odor: Y / (N)
Approx. Flow Rate: 100 mlpm Sediment Description: NOIE
Did well de-water? No If yes, Time: - Volume: - gal. DTW @ Sampling: 11.41

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (~~µmhos/cm~~ mS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1238	1.8	6.96	.419	16.11	3.98	153	11.11
1241	2.1	6.980	.422	16.20	3.96	160	11.36
1244	2.4	6.99	.422	16.28	3.92	149	11.41

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-26	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: 16'-17'

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #211577** Job Number: **386765**

Site Address: **631 Queen Anne North** Event Date: 11.11|13.13 (inclusive)

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

Well ID MW-3D Date Monitored: 11.11.13

Well Diameter 2 in.

Total Depth 33.13 ft.

Depth to Water 24.74 ft. ☐ Check if water column is less then 0.50 ft.

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

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

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

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

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

Start Time (purge): 1030 Weather Conditions: Overcast

Sample Time/Date: 1100 / 11.12.13 Water Color: Clear Odor: Y / (N)

Approx. Flow Rate: 400 mlpm Sediment Description: None

Did well de-water? No If yes, Time: — Volume: — gal. DTW @ Sampling: 24.80

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (mS) (~~umhos/cm~~ ~~pS~~)	Temperature (C) / F	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1054	1.8	6.65	.572	13.81	4.02	217	24.80
1057	2.1	6.66	.574	13.96	3.96	216	24.80
1100	2.4	6.66	.575	14.08	3.90	211	24.80

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3D	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	F.F. HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: FB & DUP-3 collected 26-27'

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 | Job Number: 386765
Site Address: 631 Queen Anne North | Event Date: 11.11.13 (inclusive)
City: Seattle, WA | Sampler: JP

Well ID MW-31 | Date Monitored: 11.11.13
Well Diameter 2 in.
Total Depth 28.13 ft.
Depth to Water 19.93 ft.

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

☐ Check if water column is less then 0.50 ft.

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

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 21.67

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1142 | Weather Conditions: Overcast
Sample Time/Date: 1212 / 11.12.13 | Water Color: clear | Odor: Y / (N)
Approx. Flow Rate: ~~low~~ mlpm | Sediment Description: None
Did well de-water? No | If yes, Time: — | Volume: — gal. | DTW @ Sampling: 20.22

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (~~µmhos/cm~~ µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
~~1200~~	1.8	6.63	.427	14.12	4.56	209	20.00
1203	2.1	6.65	.429	14.21	4.58	211	20.11
~~1206~~	2.4	6.65	.429	14.30	4.69	213	20.22

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-31	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: 22-23

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #211577** Job Number: **386765**

Site Address: **631 Queen Anne North** Event Date: 11.11 | 13.13 (inclusive)

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

Well ID MW-32 Date Monitored: 11.11.13

Well Diameter 2 in.

Total Depth 28.99 ft.

Depth to Water 19.90 ft. ☐ Check if water column is less then 0.50 ft.

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

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

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 21.71

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

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

Start Time (purge): 1134 Weather Conditions: OVERCAST

Sample Time/Date: 1153 / 11.13.13 Water Color: CLEAR Odor: Y / (N)

Approx. Flow Rate: 100 mlpm Sediment Description: NONE

Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 20.28

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (~~µmhos/cm~~ mS)	Temperature (C) F	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1142	1.8	10.21	.533	14.21	1.38	101	20.08
1145	2.1	10.22	.534	14.30	1.42	103	20.19
1148	2.4	10.24	.534	14.38	1.46	106	20.28

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-32	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: 22-23'

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11.11.13 (inclusive)
City: Seattle, WA Sampler: J.P

Well ID MW-33 Date Monitored: 11.11.13
Well Diameter 2 in.
Total Depth 34.19 ft.
Depth to Water 29.13 ft.

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

☐ Check if water column is less then 0.50 ft.

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

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 30.16

Purge Equipment:		Sampling Equipment:	
Disposable Bailer		Disposable Bailer	
Stainless Steel Bailer		Pressure Bailer	x
Stack Pump		Metal Filters	x
Suction Pump		Peristaltic Pump	x
Grundfos		QED Bladder Pump	
Peristaltic Pump	x	Other: TUBING	
QED Bladder Pump			
Other:			

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:

Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 0918 Weather Conditions: OVERCAST
Sample Time/Date: 0947 / 11.13.13 Water Color: CLEAR Odor: Y / (N)
Approx. Flow Rate: 100 mlpm Sediment Description: NONE
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 29.33

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (~~umhos/cm~~ mS)	Temperature (C) / F	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0936	1.9	6.62	.932	12.12	1.10	30	29.33
0939	2.1	6.64	.934	12.20	1.96	33	29.33
0942	2.4	6.66	.936	12.28	2.00	34	29.33

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-33	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: 30'-31' SOME DIFFICULTY PUMPING WATER AT THESE DEPTHS. > 2L

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #211577** Job Number: **386765**

Site Address: **631 Queen Anne North** Event Date: 11.11.13 (inclusive)

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

Well ID MW-34 Date Monitored: 11.11.13

Well Diameter 2 in.

Total Depth 37.03 ft.

Depth to Water 27.08 ft.

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

☐ Check if water column is less then 0.50 ft.

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

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 29.07

Purge Equipment:		**Sampling Equipment:**	
Disposable Bailer		Disposable Bailer	
Stainless Steel Bailer		Pressure Bailer	x
Stack Pump		Metal Filters	x
Suction Pump		Peristaltic Pump	
Grundfos		QED Bladder Pump	
Peristaltic Pump	x	Other: TUBING	
QED Bladder Pump			
Other: HORIBA			

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

Start Time (purge): 0930 Weather Conditions: Rain

Sample Time/Date: 1000 / 11.11.13 Water Color: CLEAR Odor: Y / (N)

Approx. Flow Rate: 100 mlpm Sediment Description: NONE

Did well de-water? No If yes, Time: — Volume: — gal. DTW @ Sampling: 27.17

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (~~umhos/cm~~ mS)	Temperature (C) F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0948	1.8	6.37	.479	14.39	7.73	274	27.17
0951	2.1	6.39	.477	14.69	7.49	271	27.17
0954	2.4	6.42	.474	14.62	7.33	269	27.17

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-34	4 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	4 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: 29-30'

Add/Replaced Lock: 4 Add/Replaced Plug: _____ Add/Replaced Bolt: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11.11.13 (inclusive)
City: Seattle, WA Sampler: J.P

Well ID MW-35 Date Monitored: 11.11.13
Well Diameter 2 in.
Total Depth 37.33 ft.
Depth to Water 30.49 ft.
6.84 xVF — = — x3 case volume = Estimated Purge Volume: — gal.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 31.85

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

☐ Check if water column is less then 0.50 ft.

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

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

Start Time (purge): 1040 Weather Conditions: OVERCAST
Sample Time/Date: 1051 / 11.13.13 Water Color: CLEAR Odor (Y) / N MILD
Approx. Flow Rate: mlpm Sediment Description: NONE
Did well de-water? If yes, Time: Volume: gal. DTW @ Sampling: 30.69

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS) (~~µmhos/cm~~)	Temperature (C) / F	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1040	1.0	6.68	.731	12.77	1.70	57.0	30.69
1043	2.1	6.70	.734	12.86	1.77	39.4	30.69
1046	2.4	6.71	.734	12.98	1.80	42.0	30.69

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-35	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: 31-32 GREAT DIFFICULTY PUMPING WATER @ THIS DEPTH

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #211577** Job Number: **386765**

Site Address: **631 Queen Anne North** Event Date: 11/11-13/13 (inclusive)

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

Well ID RW-2 Date Monitored: 11/11/13

Well Diameter 8 in.

Total Depth 21.18 ft.

Depth to Water 14.36 ft. ☐ Check if water column is less then 0.50 ft.

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

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

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

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1230 Weather Conditions: RAIN

Sample Time/Date: 1310 / 11/12/13 Water Color: Clear Odor: Y (N)

Approx. Flow Rate: 200 mlpm Sediment Description: SILT

Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 14.40

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS ~~µmhos/cm~~)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1248	3.6	6.55	0.401	13.6	3.90	-18	14.38
1251	4.2	6.54	0.400	13.6	3.89	-16	14.38
1254	4.8	6.53	0.398	13.5	3.86	-15	14.39

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
RW-2	6x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ≈ 17.70

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11.11.13-13 (inclusive)
City: Seattle, WA Sampler: J.P

Well ID DPE-1 (VP-6) Date Monitored: 11.11.13
Well Diameter 4 in.
Total Depth 21.33 ft.
Depth to Water 11.61 ft. ☐ Check if water column is less then 0.50 ft.
9.72 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

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

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

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

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

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: MW

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #211577** Job Number: **386765**

Site Address: **631 Queen Anne North** Event Date: 11.11.13 (inclusive)

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

Well ID OE-2 Date Monitored: 11.11.13

Well Diameter 4 in.

Total Depth 24.63 ft.

Depth to Water 12.20 ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): _____ Weather Conditions: _____

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

Approx. Flow Rate: _____ mlpm Sediment Description: _____

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

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ONLY SAMPLE IF VP-4 IS DRY

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11.11.13 (inclusive)
City: Seattle, WA Sampler: J.P

Well ID MW-3
Well Diameter 4 in.
Total Depth 17.00 ft.
Depth to Water 17.81 ft.
11.87 xVF — = — x3 case volume = Estimated Purge Volume: — gal.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Date Monitored: 11.11.13

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

☐ Check if water column is less then 0.50 ft.

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

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

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

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

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: 14.0

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #211577** Job Number: **386765**

Site Address: **631 Queen Anne North** Event Date: 11.11.13 (inclusive)

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

Well ID OPE-4 Date Monitored: 11.11.13

Well Diameter 4 in.

Total Depth 22.44 ft.

Depth to Water 12.19 ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

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

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

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

Start Time (purge): Weather Conditions:

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

Approx. Flow Rate: mlpm Sediment Description:

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

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: M.O

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11/11-13/13 (inclusive)
City: Seattle, WA Sampler: GM

Well ID DPE-5
Well Diameter 4 in.
Total Depth 26.82 ft.
Depth to Water 16.68 ft.
10.14 xVF ___ = ___

Date Monitored: 11/11/13

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.

x3 case volume = Estimated Purge Volume: ___ gal.

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

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

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

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

Start Time (purge): 1112
Sample Time/Date: 1157 / 11/12/13
Approx. Flow Rate: 200 mlpm
Did well de-water? NO If yes, Time: ___ Volume: ___ gal.

Weather Conditions: RAIN
Water Color: CLOUDY Odor (Y) N MODERATE
Sediment Description: SILT
DTW @ Sampling: 16.87

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - µS)	Temperature (C F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1130	3.6	6.42	0.761	13.9	1.36	-87	16.84
1133	4.2	6.43	0.760	13.9	1.85	-87	16.85
1136	4.8	6.42	0.758	13.8	1.83	-87	16.87

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
DPE-5	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ≈ 21.50
READING TAKEN WITH HORIBA U-22 Flow Cell

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #211577** Job Number: **386765**

Site Address: **631 Queen Anne North** Event Date: 11-12/13-13 (inclusive)

City: **Seattle, WA** Sampler: AW

Well ID DPE-6 Date Monitored: 11-12-13

Well Diameter 4 in.

Total Depth 32.90 ft.

Depth to Water 20.04 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.

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

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

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1015 Weather Conditions: Cloudy / Rainy

Sample Time/Date: 1055 / 11-12-13 Water Color: Cloudy Odor: (Y) / N moderate

Approx. Flow Rate: 200 mlpm Sediment Description: Cloudy

Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 20.13

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1033	3.6	6.42	1.60	15.5	2.06	-56	20.10
1036	4.2	6.44	1.63	15.7	2.10	-60	20.12
1039	4.8	6.45	1.67	15.8	2.11	-61	20.13

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
DPE-6	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ~22.0ft.

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11.11.13 (inclusive)
City: Seattle, WA Sampler: J.P

Well ID DOE-7 Date Monitored: 11.11.13
Well Diameter 4 in.
Total Depth 16.47 ft.
Depth to Water 19.72 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.

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

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

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

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

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

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

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: 17.0

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #211577** Job Number: **386765**

Site Address: **631 Queen Anne North** Event Date: 11/11-13/13 (inclusive)

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

Well ID DPE-8 Date Monitored: 11/11/13

Well Diameter 4 in.

Total Depth 23.29 ft.

Depth to Water 13.41 ft.

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

☐ Check if water column is less then 0.50 ft.

9.88 xVF 0.66 = 6.52 x3 case volume = Estimated Purge Volume: 19.56 gal.

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

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1330 Weather Conditions: RAIN

Sample Time/Date: 1425 / 11/12/13 Water Color: CLOUDY Odor: (Y) N MODERATE

Approx. Flow Rate: 200 mlpm Sediment Description: SILT

Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 13.50

Time (2400 hr.)	Volume (Liters)	pH	Conductivity mS (µmhos/cm ~~pS~~)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1349	3.6	6.63	1.25	14.4	2.59	-58	13.49
1351	4.2	6.61	1.24	14.2	2.57	-56	13.50
1354	4.8	6.60	1.24	14.1	2.57	-55	13.50

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
DPE-8	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ≈ 17.80

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11.11.13 (inclusive)
City: Seattle, WA Sampler: J.P

Well ID: OBE-9
Well Diameter: 4 in.
Total Depth: 19.23 ft.
Depth to Water: 12.90 ft.
6.33 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Date Monitored: 11.11.13

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.

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

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

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

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

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

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 250ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: 10.0

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

Chevron Northwest Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

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

SCR #: _____

1 Client Information

Facility # SS#211577-OML G-R#386765 WBS
Site Address 631 Queen Anne North, SEATTLE, WA
Chevron PM EH LEIDOSRS Lead Consultant Russell Shropshire
Consultant/Office Gettler-Ryan, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568
Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com), (925) 551-7444 x180
Consultant Phone # (425) 482-3323 x
Sampler J. PAYNE / G. MEDINA / A. WONG

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

Sample Identification	Date	Time	Grab	Composite	Soil	Sediment	Water: Potable	Ground	NPDES	Surface	Oil	Air	Total Containers	BTEX + MTBE 8021	Naphth 8260	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead	Total	Diss.	Method	FERROUS IRON / SULFIDE	ALKALINITY	NITRATE/NITRITE/SULFATE	TOTAL IRON / MANGANESE
Q.A	11.12		X				X						2	X				X												
FB.3			X				X						6	X				X												
DUP.3			X				X						6	X				X												
FB.2			X				X						6	X				X												
DUP.2			X				X						6	X				X												
MW.6		1155	X				X						14	X				X	X								X	X	X	X
MW.10		1400	X				X						14	X				X	X								X	X	X	X
MW.17		1430	X				X						14	X				X	X								X	X	X	X
MW.21		1310	X				X						14	X				X	X								X	X	X	X
MW.30		1106	X				X						14	X				X	X								X	X	X	X
MW.31		1212	X				X						14	X				X	X								X	X	X	X
MW.34		1000	X				X						14	X				X	X								X	X	X	X
DUP.5		1157	X				X						8	X				X	X											

6 Remarks

FERROUS IRON SAMPLES HAVE BEEN FIELD FILTERED
Please forward the lab results directly to the Lead Consultant and cc: G-R.

PG 1 OF 2
Amended JMM 11/13/13
- add additional analysis for MW-6

- ☐ 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

7 Turnaround Time Requested (TAT) (please circle)

(Standard) 5 day 4 day
72 hour 48 hour 24 hour

Relinquished by	Date	Time	Received by	Date	Time
	11.12.13	1700			
Relinquished by	Date	Time	Received by	Date	Time

8 Data Package (circle if required)
Type I - Full
Type VI (Raw Data)

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

Relinquished by Commercial Carrier: UPS ✓ FedEx _____ Other _____

Received by | Date 11/13/13 | Time 1000

Temperature Upon Receipt 0.7-4.4 °C

Custody Seals Intact? Yes No

9

Chevron Northwest Region Analysis Request/Chain of Custody

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

SCR #: _____

1 Client Information

Facility # SS#211577-OML G-R#388765 WBS
Site Address 501 Queen Anne North, SEATTLE, WA
Chevron PM LEIDOSRS Lead Consultant Russell Shropshire
Consultant/Office Gettler-Ryan, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568
Consultant Project Mgr Deanna L. Harding, (deanna@grinc.com), (925) 551-7444 x130
Consultant Phone # (425) 442-3329 x
Sampler J. Payne / G. Medina / A. Wong

4 Matrix

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

3 Grab ☐ Composite ☐

5 Analyses Requested

2 Sample Identification	Collected Date	Collected Time	Grab	Composite	Total Number of Containers	BTEX + ~~MTBE~~	Naphth	8260	8021	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA EPH	WA VPH	Lead	Total	Diss.	Method	Ferrous Iron / Sulfide	Alkalinity	Nitrate / Sulfate	Total Iron / Manganese
OPE-6	11-12	1055	X		9	X						X	X											
OPE-8	↓	1425	X		14	X						X	X								X	X	X	X
RW-2		1310	X		8	X						X	X											

6 Remarks

FERROUS IRON SAMPLES HAVE BEEN FIELD FILTERED
Please forward the lab results directly to the Lead Consultant and cc: CR-R.

Pg 2 of 2

- ☐ 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

7 Turnaround Time Requested (TAT) (please circle)

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

8 Data Package (circle if required)

Type I - Full
Type VI (Raw Data)

EDD (circle if required)

CVX-RTBU-FI_05 (default)
Other: _____

Relinquished by	Date	Time	Received by	Date	Time
	11-12-13	1700			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by Commercial Carrier: UPS ✓ FedEx _____ Other _____			Received by	Date	Time

9

Temperature Upon Receipt _____ °C

Custody Seals Intact? Yes No

Chevron Northwest Region Analysis Request/Chain of Custody

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

SCR #: _____

1 Client Information

Facility # SS#211577-OML G-R#386765 WBS

Site Address 1 Queen Anne North SEATTLE, WA

Chevron PM LH LEIDOSRS Lead Consultant Russell Shropshire

Consultant/Office Getter-Ryan, Inc., 6747 Sierra Court, Suite J, Dublin, CA 945

Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com), (925) 551-7444 x130

Consultant Phone # (925) 482-3323 x

Sampler J. PAYNE

4 Matrix

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

3 Grab / Composite

2 Sample Identification / Collected (Date, Time)

5 Analyses Requested

Total Number of Containers

BTEX + MTBE ☐ Naphth ☐ 8260 ☐ 8021

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 _____

FERROUS IRON / ALKALINITY

NITRATE / NITRITE / SULFATE

TOTAL IRON / MANGANESE

SULFIDE

Sample Identification	Collected Date	Time	Grab	Composite	Soil	Sediment	Potable Water	Ground Water	NPDES	Surface	Air	Oil	Total Containers	BTEX + MTBE	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead Total	Lead Diss.	Ferrous Iron / Alkalinity	Nitrate / Nitrite / Sulfate	Total Iron / Manganese	Sulfide
Q.A	11.13.13		X				X						2	X			X										
FB.1	11.12.13		X				X						6	X			X										
DUP.1	11.12.13		X				X						6	X			X										
VPE-B/MW-7	11.13.13	0935	X				X						14	X			X	X						X	X	X	X
MW-9	11.13.13	0823	X				X						14	X			X	X						X	X	X	X
MW-4	11.13.13	1110	X				X						14	X			X	X						X	X	X	X
MW-14	11.13.13	1021	X				X						14	X			X	X						X	X	X	X
MW-15	11.13.13	1224	X				X						14	X			X	X						X	X	X	X
MW-16	11.13.13	1404	X				X						14	X			X	X						X	X	X	X
MW-18	11.13.13	1240	X				X						14	X			X	X						X	X	X	X
MW-25	11.13.13	0918	X				X						14	X			X	X						X	X	X	X
MW-26	11.13.13	1761	X				X						14	X			X	X						X	X	X	X
MW-39	11.13.13	0947	X				X						14	X			X	X						X	X	X	X

6 Remarks

FERROUS IRON SAMPLES HAVE BEEN FIELD FILTERED
Please forward the lab results directly to the Lead Consultant and cc: G-R

P.1 of 2

7 Turnaround Time Requested (TAT) (please circle)

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

Relinquished by	Date	Time	Received by	Date	Time
	11.13.13	1700			
Relinquished by	Date	Time	Received by	Date	Time

8 Data Package (circle if required)

Type I - Full
Type VI (Raw Data)

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

Relinquished by Commercial Carrier: UPS ✓ FedEx _____ Other _____

Received by | Date | Time

Temperature Upon Receipt _____ °C

Custody Seals Intact? Yes No

9

Chevron Northwest Region Analysis Request/Chain of Custody

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

SCR #: _____

(1) Client Information

Facility # SS#211577-QML G-R#386765 WBS
Site Address 51 Queen Anne North, SEATTLE, WA
Chevron PM LEIDOSRS Lead Consultant Russell Shropshire
Consultant/Office Getter-Ryan, Inc., 6747 Sierra Court, Suite J, Dublin, CA 945
Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com), (925) 551-7444 x1
Consultant Phone # (425) 462-3323 x
Sampler J. PAYNE

(4) Matrix

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

(5) Analyses Requested

(2) Sample Identification	Collected Date	Collected Time	(3) Grab	(3) Composite	Total Number of Containers	BTEX + ~~MTBE~~ 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	FERROUS IRON/ALKALINITY	NITRATE / SULFATE / SULFIDE	TOTAL IRON / MANGANESE	
MW-37	11-13-13	1153	X		8	X			X	X							
MW-35	11-13-13	1054	X		14	X			X	X				X	X	X	X
VP-4	11-13-13	1040	X		8	X			X	X							
VP-5/MW-5	11-13-13	1145	X		14	X			X	X				X	X	X	X

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

(6) Remarks

FERROUS IRON SAMPLES HAVE BEEN FIELD FILTERED
Please forward the lab results directly to the Lead Consultant and cc: G-R

Pg 2 of 2

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

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

Relinquished by	Date	Time	Received by	Date	Time
	11-13-13	1700			
Relinquished by			Received by		

(8) Data Package (circle if required)
Type I - Full
Type VI (Raw Data)

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

Relinquished by Commercial Carrier: UPS ✓ FedEx _____ Other _____
Temperature Upon Receipt _____ °C

Received by | Date | Time
Custody Seals Intact? Yes No

(9)

Attachment B:
Laboratory Analytical Reports

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

November 27, 2013

Project: 211577

Submittal Date: 11/13/2013
Group Number: 1433480
PO Number: 0015118368
Release Number: HOPKINS

State of Sample Origin: WA

Client Sample Description	Lancaster Labs (LL) #
QA Water	7274594
FB-3 Grab Water	7274595
DUP-3 Grab Groundwater	7274596
FB-2 Grab Water	7274597
DUP-2 Grab Groundwater	7274598
MW-6 Grab Groundwater	7274599
MW-10 Grab Groundwater	7274600
MW-17 Grab Groundwater	7274601
MW-21 Grab Groundwater	7274602
MW-30 Grab Groundwater	7274603
MW-31 Grab Groundwater	7274604
MW-34 Grab Groundwater	7274605
DPE-5 Grab Groundwater	7274606
DPE-6 Grab Groundwater	7274607
DPE-8 Grab Groundwater	7274608
RW-2 Grab Groundwater	7274609

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

ELECTRONIC COPY TO	Gettler-Ryan Inc.	Attn: Gettler Ryan
ELECTRONIC COPY TO	SAIC	Attn: Jamalyn Green
ELECTRONIC COPY TO	SAIC	Attn: Russ Shropshire

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Respectfully Submitted,

Amek Carter

Amek Carter
Specialist

(717) 556-7252

eurofins | Lancaster Laboratories Environmental

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Analysis Report

Sample Description: QA Water
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7274594
LL Group # 1433480
Account # 11260

Project Name: 211577

Collected: 11/12/2013

Submitted: 11/13/2013 10:00
Reported: 11/27/2013 15:20

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASQA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1

General Sample Comments

State of Washington Lab Certification No. C457

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	F133251AA	11/21/2013 07:11	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F133251AA	11/21/2013 07:11	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13318A07A	11/18/2013 14:16	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	13318A07A	11/18/2013 14:16	Laura M Krieger	1

eurofins | Lancaster Laboratories Environmental

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Analysis Report

Sample Description: FB-3 Grab Water
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7274595
LL Group # 1433480
Account # 11260

Project Name: 211577

Collected: 11/12/2013 by JP

Submitted: 11/13/2013 10:00
Reported: 11/27/2013 15:20

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASF3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1

General Sample Comments

State of Washington Lab Certification No. C457

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	F133251AA	11/21/2013 07:33	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F133251AA	11/21/2013 07:33	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13318A07A	11/18/2013 14:41	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13318A07A	11/18/2013 14:41	Marie D Beamenderfer	1

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Analysis Report

Sample Description: DUP-3 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7274596
LL Group # 1433480
Account # 11260

Project Name: 211577

Collected: 11/12/2013 by JP

Submitted: 11/13/2013 10:00
Reported: 11/27/2013 15:20

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASD3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1

General Sample Comments

State of Washington Lab Certification No. C457

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	F133251AA	11/21/2013 07:54	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F133251AA	11/21/2013 07:54	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13318A07A	11/18/2013 20:09	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13318A07A	11/18/2013 20:09	Marie D Beamenderfer	1

Sample Description: FB-2 Grab Water
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7274597
LL Group # 1433480
Account # 11260

Project Name: 211577

Collected: 11/12/2013 by JP

Submitted: 11/13/2013 10:00
Reported: 11/27/2013 15:20

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASF2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1

General Sample Comments

State of Washington Lab Certification No. C457

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	F133251AA	11/21/2013 08:16	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F133251AA	11/21/2013 08:16	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13318A07A	11/18/2013 15:06	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13318A07A	11/18/2013 15:06	Marie D Beamenderfer	1

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Analysis Report

Sample Description: DUP-2 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7274598
LL Group # 1433480
Account # 11260

Project Name: 211577

Collected: 11/12/2013 by JP

Submitted: 11/13/2013 10:00
Reported: 11/27/2013 15:20

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASD2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	0.8	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	76	50	1

General Sample Comments

State of Washington Lab Certification No. C457

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	F133251AA	11/21/2013 08:37	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F133251AA	11/21/2013 08:37	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13318A07A	11/18/2013 20:34	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	13318A07A	11/18/2013 20:34	Laura M Krieger	1

Sample Description: MW-6 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7274599
LL Group # 1433480
Account # 11260

Project Name: 211577

Collected: 11/12/2013 11:55 by JP

Submitted: 11/13/2013 10:00
Reported: 11/27/2013 15:20

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	2	0.5	1
10943	Ethylbenzene	100-41-4	0.5	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	0.5	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	94	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	340	30	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	70	1
	The reverse surrogate, capric acid, is present at <1%.				
Metals Dissolved	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	6,500	43.0	1
07058	Manganese	7439-96-5	6,320	0.83	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	79,700	3,000	10
	SM 2320 B-1997		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	326,000	700	1
	SM 3500-Fe B modified-1997		ug/l	ug/l	
08344	Ferrous Iron	n.a.	3,900	200	20
	SM 4500-S2 D-2000		ug/l	ug/l	
00230	Sulfide	18496-25-8	100	54	1

General Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for Ferrous Iron.

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

Sample Description: MW-6 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7274599
LL Group # 1433480
Account # 11260

Project Name: 211577

Collected: 11/12/2013 11:55 by JP

Submitted: 11/13/2013 10:00
Reported: 11/27/2013 15:20

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QAS06

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	F133242AA	11/20/2013 07:46	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F133242AA	11/20/2013 07:46	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13318A07A	11/18/2013 20:59	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13318A07A	11/18/2013 20:59	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	133240007A	11/22/2013 13:39	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	133240007A	11/20/2013 16:30	Seth A Farrier	1
01754	Iron	SW-846 6010B	1	133191848002	11/19/2013 05:36	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	133191848002	11/19/2013 05:36	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	133191848002	11/18/2013 09:15	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	13317655601B	11/13/2013 20:16	Sandra J Miller	5
01506	Nitrite Nitrogen	EPA 300.0	1	13317655601B	11/13/2013 20:16	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	13317655601B	11/14/2013 09:19	Sandra J Miller	10
12150	Total Alkalinity	SM 2320 B-1997	1	13318002201A	11/14/2013 13:39	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B modified-1997	1	13318834402A	11/14/2013 22:25	Daniel S Smith	20
00230	Sulfide	SM 4500-S2 D-2000	1	13322023001A	11/18/2013 12:15	Susan E Hibner	1

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Analysis Report

Sample Description: MW-10 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7274600
LL Group # 1433480
Account # 11260

Project Name: 211577

Collected: 11/12/2013 10:00 by JP

Submitted: 11/13/2013 10:00
Reported: 11/27/2013 15:20

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	31	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	73	1
The reverse surrogate, capric acid, is present at <1%.					
Metals Dissolved	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	3,250	43.0	1
07058	Manganese	7439-96-5	1,810	0.83	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	5,400	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	31,400	1,500	5
	SM 2320 B-1997		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	244,000	700	1
	SM 3500-Fe B modified-1997		ug/l	ug/l	
08344	Ferrous Iron	n.a.	N.D.	10	1
	SM 4500-S2 D-2000		ug/l	ug/l	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for Ferrous Iron.

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

Sample Description: MW-10 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7274600
LL Group # 1433480
Account # 11260

Project Name: 211577

Collected: 11/12/2013 10:00 by JP

Submitted: 11/13/2013 10:00
Reported: 11/27/2013 15:20

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS10

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	F133251AA	11/21/2013 06:06	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F133251AA	11/21/2013 06:06	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13318A07A	11/18/2013 21:24	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13318A07A	11/18/2013 21:24	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	133240007A	11/22/2013 10:55	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	133240007A	11/20/2013 16:30	Seth A Farrier	1
01754	Iron	SW-846 6010B	1	133231848001	11/22/2013 05:42	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	133231848001	11/22/2013 05:42	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	133231848001	11/20/2013 09:45	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	13317655601B	11/13/2013 21:05	Sandra J Miller	5
01506	Nitrite Nitrogen	EPA 300.0	1	13317655601B	11/13/2013 21:05	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	13317655601B	11/13/2013 21:05	Sandra J Miller	5
12150	Total Alkalinity	SM 2320 B-1997	1	13318002201A	11/14/2013 13:27	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B modified-1997	1	13318834402A	11/14/2013 22:25	Daniel S Smith	1
00230	Sulfide	SM 4500-S2 D-2000	1	13322023001A	11/18/2013 12:15	Susan E Hibner	1

Sample Description: MW-17 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7274601
LL Group # 1433480
Account # 11260

Project Name: 211577

Collected: 11/12/2013 14:28 by JP

Submitted: 11/13/2013 10:00
Reported: 11/27/2013 15:20

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	0.8	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	91	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals Dissolved	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	1,230	43.0	1
07058	Manganese	7439-96-5	3,470	0.83	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	5,500	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	19,300	1,500	5
	SM 2320 B-1997		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	196,000	700	1
	SM 3500-Fe B modified-1997		ug/l	ug/l	
08344	Ferrous Iron	n.a.	760	10	1
	SM 4500-S2 D-2000		ug/l	ug/l	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for Ferrous Iron.

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

Sample Description: MW-17 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7274601
LL Group # 1433480
Account # 11260

Project Name: 211577

Collected: 11/12/2013 14:28 by JP

Submitted: 11/13/2013 10:00
Reported: 11/27/2013 15:20

Chevron
6001 Bollinger Canyon Road
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San Ramon CA 94583

QAS17

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	F133251AA	11/21/2013 08:59	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F133251AA	11/21/2013 08:59	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13318A07A	11/18/2013 21:49	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13318A07A	11/18/2013 21:49	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	133240007A	11/22/2013 11:17	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	133240007A	11/20/2013 16:30	Seth A Farrier	1
01754	Iron	SW-846 6010B	1	133231848001	11/22/2013 05:46	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	133231848001	11/22/2013 05:46	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	133231848001	11/20/2013 09:45	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	13317655601B	11/13/2013 21:21	Sandra J Miller	5
01506	Nitrite Nitrogen	EPA 300.0	1	13317655601B	11/13/2013 21:21	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	13317655601B	11/13/2013 21:21	Sandra J Miller	5
12150	Total Alkalinity	SM 2320 B-1997	1	13318002201A	11/14/2013 13:01	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B modified-1997	1	13318834402A	11/14/2013 22:25	Daniel S Smith	1
00230	Sulfide	SM 4500-S2 D-2000	1	13322023001A	11/18/2013 12:15	Susan E Hibner	1

Sample Description: MW-21 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7274602
LL Group # 1433480
Account # 11260

Project Name: 211577

Collected: 11/12/2013 13:20 by JP

Submitted: 11/13/2013 10:00
Reported: 11/27/2013 15:20

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS21

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	51	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	63	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					
Metals Dissolved	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	7,380	43.0	1
07058	Manganese	7439-96-5	484	0.83	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	41,400	1,500	5
	SM 2320 B-1997		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	282,000	700	1
	SM 3500-Fe B modified-1997		ug/l	ug/l	
08344	Ferrous Iron	n.a.	5,100	200	20
	SM 4500-S2 D-2000		ug/l	ug/l	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for Ferrous Iron.

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

Sample Description: MW-21 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7274602
LL Group # 1433480
Account # 11260

Project Name: 211577

Collected: 11/12/2013 13:20 by JP

Submitted: 11/13/2013 10:00
Reported: 11/27/2013 15:20

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QAS21

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	F133251AA	11/21/2013 09:21	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F133251AA	11/21/2013 09:21	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13319A07A	11/20/2013 14:41	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13319A07A	11/20/2013 14:41	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	133240007A	11/22/2013 12:11	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	133240007A	11/20/2013 16:30	Seth A Farrier	1
01754	Iron	SW-846 6010B	1	133231848001	11/22/2013 05:50	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	133231848001	11/22/2013 05:50	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	133231848001	11/20/2013 09:45	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	13317655601B	11/13/2013 21:37	Sandra J Miller	5
01506	Nitrite Nitrogen	EPA 300.0	1	13317655601B	11/13/2013 21:37	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	13317655601B	11/13/2013 21:37	Sandra J Miller	5
12150	Total Alkalinity	SM 2320 B-1997	1	13318002201A	11/14/2013 13:33	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B modified-1997	1	13318834402A	11/14/2013 22:25	Daniel S Smith	20
00230	Sulfide	SM 4500-S2 D-2000	1	13323023001A	11/19/2013 09:45	Susan E Hibner	1

Sample Description: MW-30 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7274603
LL Group # 1433480
Account # 11260

Project Name: 211577

Collected: 11/12/2013 11:06 by JP

Submitted: 11/13/2013 10:00
Reported: 11/27/2013 15:20

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS30

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
	The reverse surrogate, capric acid, is present at <1%.				
Metals Dissolved	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	849	43.0	1
07058	Manganese	7439-96-5	606	0.83	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	1,000	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	38,000	1,500	5
	SM 2320 B-1997		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	179,000	700	1
	SM 3500-Fe B modified-1997		ug/l	ug/l	
08344	Ferrous Iron	n.a.	N.D.	10	1
	SM 4500-S2 D-2000		ug/l	ug/l	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for Ferrous Iron.

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

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Analysis Report

Sample Description: MW-30 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7274603
LL Group # 1433480
Account # 11260

Project Name: 211577

Collected: 11/12/2013 11:06 by JP

Submitted: 11/13/2013 10:00
Reported: 11/27/2013 15:20

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS30

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	F133251AA	11/21/2013 09:43	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F133251AA	11/21/2013 09:43	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13319A07A	11/20/2013 15:06	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13319A07A	11/20/2013 15:06	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	133240007A	11/22/2013 12:33	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	133240007A	11/20/2013 16:30	Seth A Farrier	1
01754	Iron	SW-846 6010B	1	133231848001	11/22/2013 05:54	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	133231848001	11/22/2013 05:54	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	133231848001	11/20/2013 09:45	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	13317655601B	11/13/2013 21:53	Sandra J Miller	5
01506	Nitrite Nitrogen	EPA 300.0	1	13317655601B	11/13/2013 21:53	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	13317655601B	11/13/2013 21:53	Sandra J Miller	5
12150	Total Alkalinity	SM 2320 B-1997	1	13318002201B	11/14/2013 13:16	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B modified-1997	1	13318834402A	11/14/2013 22:25	Daniel S Smith	1
00230	Sulfide	SM 4500-S2 D-2000	1	13323023001A	11/19/2013 09:45	Susan E Hibner	1

Sample Description: MW-31 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7274604
LL Group # 1433480
Account # 11260

Project Name: 211577

Collected: 11/12/2013 12:12 by JP

Submitted: 11/13/2013 10:00
Reported: 11/27/2013 15:20

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS31

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	68	1
The reverse surrogate, capric acid, is present at <1%.					
Metals Dissolved	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	431	43.0	1
07058	Manganese	7439-96-5	12.7	0.83	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	420	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	38,300	1,500	5
	SM 2320 B-1997		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	136,000	700	1
	SM 3500-Fe B modified-1997		ug/l	ug/l	
08344	Ferrous Iron	n.a.	N.D.	10	1
	SM 4500-S2 D-2000		ug/l	ug/l	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for Ferrous Iron.

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

Sample Description: MW-31 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7274604
LL Group # 1433480
Account # 11260

Project Name: 211577

Collected: 11/12/2013 12:12 by JP

Submitted: 11/13/2013 10:00
Reported: 11/27/2013 15:20

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS31

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	F133251AA	11/21/2013 10:04	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F133251AA	11/21/2013 10:04	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13319A07A	11/20/2013 15:31	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13319A07A	11/20/2013 15:31	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	133240007A	11/22/2013 12:55	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	133240007A	11/20/2013 16:30	Seth A Farrier	1
01754	Iron	SW-846 6010B	1	133231848001	11/22/2013 05:58	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	133231848001	11/22/2013 05:58	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	133231848001	11/20/2013 09:45	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	13317655601B	11/13/2013 22:42	Sandra J Miller	5
01506	Nitrite Nitrogen	EPA 300.0	1	13317655601B	11/13/2013 22:42	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	13317655601B	11/13/2013 22:42	Sandra J Miller	5
12150	Total Alkalinity	SM 2320 B-1997	1	13322002202B	11/18/2013 14:42	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B modified-1997	1	13318834402A	11/14/2013 22:25	Daniel S Smith	1
00230	Sulfide	SM 4500-S2 D-2000	1	13323023001A	11/19/2013 09:45	Susan E Hibner	1

Sample Description: MW-34 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7274605
LL Group # 1433480
Account # 11260

Project Name: 211577

Collected: 11/12/2013 10:00 by JP

Submitted: 11/13/2013 10:00
Reported: 11/27/2013 15:20

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS34

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	68	1
The reverse surrogate, capric acid, is present at <1%.					
Metals Dissolved	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	868	43.0	1
07058	Manganese	7439-96-5	21.8	0.83	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	12,900	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	24,800	1,500	5
	SM 2320 B-1997		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	98,400	700	1
	SM 3500-Fe B modified-1997		ug/l	ug/l	
08344	Ferrous Iron	n.a.	19	10	1
	SM 4500-S2 D-2000		ug/l	ug/l	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for Ferrous Iron.

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

Sample Description: MW-34 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7274605
LL Group # 1433480
Account # 11260

Project Name: 211577

Collected: 11/12/2013 10:00 by JP

Submitted: 11/13/2013 10:00
Reported: 11/27/2013 15:20

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS34

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	F133251AA	11/21/2013 10:26	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F133251AA	11/21/2013 10:26	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13319A07A	11/20/2013 15:56	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13319A07A	11/20/2013 15:56	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	133240007A	11/22/2013 13:17	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	133240007A	11/20/2013 16:30	Seth A Farrier	1
01754	Iron	SW-846 6010B	1	133231848001	11/22/2013 06:02	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	133231848001	11/22/2013 06:02	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	133231848001	11/20/2013 09:45	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	13317655601B	11/13/2013 22:58	Sandra J Miller	5
01506	Nitrite Nitrogen	EPA 300.0	1	13317655601B	11/13/2013 22:58	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	13317655601B	11/13/2013 22:58	Sandra J Miller	5
12150	Total Alkalinity	SM 2320 B-1997	1	13322002202A	11/18/2013 14:53	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B modified-1997	1	13318834402A	11/14/2013 22:25	Daniel S Smith	1
00230	Sulfide	SM 4500-S2 D-2000	1	13323023001A	11/19/2013 09:45	Susan E Hibner	1

Sample Description: DPE-5 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7274606
LL Group # 1433480
Account # 11260

Project Name: 211577

Collected: 11/12/2013 11:57 by JP

Submitted: 11/13/2013 10:00
Reported: 11/27/2013 15:20

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASD5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	44	0.5	1
10943	Ethylbenzene	100-41-4	690	5	10
10943	Toluene	108-88-3	20	0.5	1
10943	Xylene (Total)	1330-20-7	290	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	5,400	250	5
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	150	31	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	72	1

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

General Sample Comments

State of Washington Lab Certification No. C457

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	F133251AA	11/21/2013 10:48	Anita M Dale	1
10943	BTEX 8260B Water	SW-846 8260B	1	F133251AA	11/21/2013 11:10	Anita M Dale	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F133251AA	11/21/2013 10:48	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	F133251AA	11/21/2013 11:10	Anita M Dale	10
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13325A07A	11/22/2013 13:22	Marie D Beamenderfer	5
01146	GC VOA Water Prep	SW-846 5030B	1	13325A07A	11/22/2013 13:22	Marie D Beamenderfer	5
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	133240007A	11/22/2013 14:01	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	133240007A	11/20/2013 16:30	Seth A Farrier	1

Sample Description: DPE-6 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7274607
LL Group # 1433480
Account # 11260

Project Name: 211577

Collected: 11/12/2013 10:55 by JP

Submitted: 11/13/2013 10:00
Reported: 11/27/2013 15:20

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASD6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene	71-43-2	7	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	140	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	1,100	30	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	70	1

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

General Sample Comments

State of Washington Lab Certification No. C457

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	F133251AA	11/21/2013 11:32	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F133251AA	11/21/2013 11:32	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13319A07A	11/20/2013 16:47	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13319A07A	11/20/2013 16:47	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	133240007A	11/22/2013 14:23	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	133240007A	11/20/2013 16:30	Seth A Farrier	1

Sample Description: DPE-8 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7274608
LL Group # 1433480
Account # 11260

Project Name: 211577

Collected: 11/12/2013 14:25 by JP

Submitted: 11/13/2013 10:00
Reported: 11/27/2013 15:20

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASD8

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	1	0.5	1
10943	Ethylbenzene	100-41-4	0.5	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	130	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	3,300	31	1
12005	HRO C24-C40 w/Si Gel	n.a.	1,000	72	1
The reverse surrogate, capric acid, is present at <1%.					
Metals Dissolved	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	11,200	43.0	1
07058	Manganese	7439-96-5	4,000	0.83	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	7,900	1,500	5
	SM 2320 B-1997		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	516,000	700	1
	SM 3500-Fe B modified-1997		ug/l	ug/l	
08344	Ferrous Iron	n.a.	2,100	100	10
	SM 4500-S2 D-2000		ug/l	ug/l	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for Ferrous Iron.

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

Sample Description: DPE-8 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7274608
LL Group # 1433480
Account # 11260

Project Name: 211577

Collected: 11/12/2013 14:25 by JP

Submitted: 11/13/2013 10:00
Reported: 11/27/2013 15:20

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASD8

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	F133251AA	11/21/2013 11:53	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F133251AA	11/21/2013 11:53	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13319A07A	11/20/2013 17:12	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13319A07A	11/20/2013 17:12	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	133270032A	11/26/2013 15:14	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	133270032A	11/25/2013 10:00	William H Saadeh	1
01754	Iron	SW-846 6010B	1	133231848001	11/22/2013 06:06	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	133231848001	11/22/2013 06:06	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	133231848001	11/20/2013 09:45	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	13317655601B	11/13/2013 23:14	Sandra J Miller	5
01506	Nitrite Nitrogen	EPA 300.0	1	13317655601B	11/13/2013 23:14	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	13317655601B	11/13/2013 23:14	Sandra J Miller	5
12150	Total Alkalinity	SM 2320 B-1997	1	13322002204A	11/18/2013 19:49	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B modified-1997	1	13318834402A	11/14/2013 22:25	Daniel S Smith	10
00230	Sulfide	SM 4500-S2 D-2000	1	13323023001A	11/19/2013 09:45	Susan E Hibner	1

Sample Description: RW-2 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7274609
LL Group # 1433480
Account # 11260

Project Name: 211577

Collected: 11/12/2013 13:10 by JP

Submitted: 11/13/2013 10:00
Reported: 11/27/2013 15:20

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASR2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	2	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	31	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	73	1

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

General Sample Comments

State of Washington Lab Certification No. C457

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	F133251AA	11/21/2013 12:15	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F133251AA	11/21/2013 12:15	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13319A07A	11/20/2013 17:37	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13319A07A	11/20/2013 17:37	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	133270032A	11/26/2013 11:35	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	133270032A	11/25/2013 10:00	William H Saadeh	1

Quality Control Summary

Client Name: Chevron Group Number: 1433480
Reported: 11/27/13 at 03:20 PM

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

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: F133242AA	Sample number(s): 7274599							
Benzene	N.D.	0.5	ug/l	93		78-120		
Ethylbenzene	N.D.	0.5	ug/l	90		79-120		
Toluene	N.D.	0.5	ug/l	90		80-120		
Xylene (Total)	N.D.	0.5	ug/l	89		80-120		
Batch number: F133251AA	Sample number(s): 7274594-7274598,7274600-7274609							
Benzene	N.D.	0.5	ug/l	88		78-120		
Ethylbenzene	N.D.	0.5	ug/l	84		79-120		
Toluene	N.D.	0.5	ug/l	89		80-120		
Xylene (Total)	N.D.	0.5	ug/l	86		80-120		
Batch number: 13318A07A	Sample number(s): 7274594-7274601							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	105	108	75-135	3	30
Batch number: 13319A07A	Sample number(s): 7274602-7274605,7274607-7274609							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	97	91	75-135	6	30
Batch number: 13325A07A	Sample number(s): 7274606							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	107		75-135		
Batch number: 133240007A	Sample number(s): 7274599-7274607							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	71	61	32-117	15	20
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 133270032A	Sample number(s): 7274608-7274609							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	59	53	32-117	9	20
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 133191848002	Sample number(s): 7274599							
Iron	N.D.	43.0	ug/l	102		90-112		
Manganese	N.D.	0.83	ug/l	105		90-110		
Batch number: 133231848001	Sample number(s): 7274600-7274605,7274608							
Iron	N.D.	43.0	ug/l	103		90-112		
Manganese	N.D.	0.83	ug/l	104		90-110		
Batch number: 13317655601B	Sample number(s): 7274599-7274605,7274608							
Nitrate Nitrogen	N.D.	50.	ug/l	104		90-110		
Nitrite Nitrogen	N.D.	80.	ug/l	102		90-110		
Sulfate	N.D.	300.	ug/l	100		90-110		
Batch number: 13318002201A	Sample number(s): 7274599-7274602							
Total Alkalinity	N.D.	700.	ug/l as	100		90-110		

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

Quality Control Summary

Client Name: Chevron Group Number: 1433480
Reported: 11/27/13 at 03:20 PM

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
			CaCO3					
Batch number: 13318002201B	Sample number(s): 7274603							
Total Alkalinity	N.D.	700.	ug/l as CaCO3	100		90-110		
Batch number: 13318834402A	Sample number(s): 7274599-7274605,7274608							
Ferrous Iron	N.D.	10.	ug/l	99		93-105		
Batch number: 13322002202A	Sample number(s): 7274605							
Total Alkalinity	N.D.	700.	ug/l as CaCO3	100		90-110		
Batch number: 13322002202B	Sample number(s): 7274604							
Total Alkalinity	N.D.	700.	ug/l as CaCO3	100		90-110		
Batch number: 13322002204A	Sample number(s): 7274608							
Total Alkalinity	N.D.	700.	ug/l as CaCO3	100		90-110		
Batch number: 13322023001A	Sample number(s): 7274599-7274601							
Sulfide	N.D.	54.	ug/l	103		90-110		
Batch number: 13323023001A	Sample number(s): 7274602-7274605,7274608							
Sulfide	N.D.	54.	ug/l	102		90-110		

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: F133242AA	Sample number(s): 7274599 UNSPK: 7274599								
Benzene	97	100	72-134	3	30				
Ethylbenzene	92	95	71-134	3	30				
Toluene	98	97	80-125	1	30				
Xylene (Total)	94	99	79-125	4	30				
Batch number: F133251AA	Sample number(s): 7274594-7274598,7274600-7274609 UNSPK: 7274600								
Benzene	96	99	72-134	2	30				
Ethylbenzene	92	93	71-134	1	30				
Toluene	95	95	80-125	0	30				
Xylene (Total)	94	95	79-125	0	30				
Batch number: 13325A07A	Sample number(s): 7274606 UNSPK: P279447								
NWTPH-Gx water C7-C12	123	111	75-135	4	30				
Batch number: 133191848002	Sample number(s): 7274599 UNSPK: P275832 BKG: P275832								
Iron	96	96	75-125	0	20	474	479	1 (1)	20
Manganese	103	102	75-125	0	20	608	617	2	20

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

Quality Control Summary

Client Name: Chevron Group Number: 1433480
Reported: 11/27/13 at 03:20 PM

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 133231848001	Sample number(s): 7274600-7274605,7274608 UNSPK: P274350 BKG: P274350								
Iron	97	97	75-125	0	20	66.0	68.4	4 (1)	20
Manganese	100	99	75-125	1	20	38.3	38.1	0	20
Batch number: 13317655601B	Sample number(s): 7274599-7274605,7274608 UNSPK: 7274599 BKG: 7274599								
Nitrate Nitrogen	99		90-110			N.D.	N.D.	0 (1)	20
Nitrite Nitrogen	96		90-110			N.D.	N.D.	0 (1)	20
Sulfate	89*		90-110			79,700	80,600	1	20
Batch number: 13318002201A	Sample number(s): 7274599-7274602 UNSPK: P272295 BKG: P272295								
Total Alkalinity	86		10-159			84,100	85,800	2	5
Batch number: 13318002201B	Sample number(s): 7274603 UNSPK: P272295 BKG: 7274603								
Total Alkalinity	86		10-159			179,000	179,000	0	5
Batch number: 13318834402A	Sample number(s): 7274599-7274605,7274608 UNSPK: P274698 BKG: P274698								
Ferrous Iron	89	98	81-112	5	6	36,200	36,400	1 (1)	5
Batch number: 13322002202A	Sample number(s): 7274605 UNSPK: P274678 BKG: P274678								
Total Alkalinity	71	76	10-159	2	5	196,000	198,000	1	5
Batch number: 13322002202B	Sample number(s): 7274604 UNSPK: P274678 BKG: 7274604								
Total Alkalinity	71	76	10-159	2	5	136,000	136,000	0	5
Batch number: 13322002204A	Sample number(s): 7274608 UNSPK: P276633 BKG: P276633								
Total Alkalinity	95		10-159			108,000	107,000	1	5
Batch number: 13322023001A	Sample number(s): 7274599-7274601 UNSPK: P277056 BKG: P277056								
Sulfide	98	95	42-131	1	16	450	220	68* (1)	5
Batch number: 13323023001A	Sample number(s): 7274602-7274605,7274608 UNSPK: P276637 BKG: P276637								
Sulfide	91	91	42-131	0	16	330	320	5 (1)	5

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: UST VOCs by 8260B - Water
Batch number: F133242AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7274599	103	102	100	98
Blank	100	100	102	95
LCS	102	105	99	99
MS	98	100	100	101
MSD	102	105	101	102
Limits:	80-116	77-113	80-113	78-113

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

Quality Control Summary

Client Name: Chevron Group Number: 1433480
Reported: 11/27/13 at 03:20 PM

Surrogate Quality Control

Analysis Name: UST VOCs by 8260B - Water
Batch number: F133251AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7274594	99	96	100	95
7274595	100	101	100	95
7274596	99	98	101	95
7274597	101	96	101	94
7274598	100	98	100	98
7274600	102	100	100	94
7274601	99	98	100	97
7274602	100	96	102	96
7274603	100	98	102	97
7274604	101	97	101	96
7274605	100	99	100	96
7274606	100	99	102	97
7274607	100	96	101	98
7274608	100	96	100	97
7274609	99	97	102	97
Blank	102	99	101	96
LCS	98	98	102	98
MS	99	99	101	98
MSD	100	100	101	98
Limits:	80-116	77-113	80-113	78-113

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 13318A07A

	Trifluorotoluene-F
7274594	101
7274595	98
7274596	96
7274597	104
7274598	101
7274599	98
7274600	103
7274601	101
Blank	102
LCS	110
LCSD	110
Limits:	63-135

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 13319A07A

	Trifluorotoluene-F
7274602	88
7274603	83
7274604	86
7274605	86
7274607	91
7274608	87
7274609	88

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

Quality Control Summary

Client Name: Chevron
Group Number: 1433480
Reported: 11/27/13 at 03:20 PM

Surrogate Quality Control

Blank	85
LCS	100
LCSD	96
Limits:	63-135

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 13325A07A
Trifluorotoluene-F

7274606	66
Blank	96
LCS	113
MS	132
MSD	145*
Limits:	63-135

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 133240007A
Orthoterphenyl

7274599	85
7274600	92
7274601	92
7274602	87
7274603	95
7274604	99
7274605	97
7274606	91
7274607	92
Blank	76
LCS	92
LCSD	90
Limits:	50-150

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 133270032A
Orthoterphenyl

7274608	62
7274609	62
Blank	70
LCS	74
LCSD	70
Limits:	50-150

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

Chevron Northwest Region Analysis Request/Chain of Custody

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Acct. # 11260 For Eurofins Lancaster Laboratories use only Group # 1433480 Sample # 7274594-609

Instructions on reverse side correspond with circled numbers.

(1) **Client Information**

Facility # SS#211577-OML G-R#386765 WBS

Site Address 631 Queen Anne North, SEATTLE, WA

Chevron PM EH LEIDOSRS Lead Consultant Russell Shropshire

Consultant/Office Gettler-Ryan, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568

Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com), (925) 551-7444 x180

Consultant Phone # (425) 482-3323 x

Sampler J. Payne / G. Medina / A. Wong

(4) Matrix: Sediment ☐ Ground ☑ Surface ☐ / Soil ☐ Potable ☐ NPDES ☐ / Water / Air ☐ Oil ☐

(5) Analyses Requested

SCR #: ______

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

(2)

Sample Identification	Collected Date	Collected Time	(3) Grab	Composite	Soil	Water	Oil	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	FERROUS IRON / 6010F IRON	ALKALINITY	NITRATE/NITRITE/SULFATE	TOTAL IRON/MANGANESE
QA	11.12		X			X		2	X			X								
FB.3			X			X		6	X			X								
DUP.3			X			X		6	X			X								
FB.2			X			X		6	X			X								
DUP.2			X			X		6	X			X								
MW.6		1155	X			X	14	[illegible]	X			X	X				X	X	X	X
MW.10		[illegible]	X			X		14	X			X	X				X	X	X	X
MW.17		1410	X			X		14	X			X	X				X	X	X	X
MW.21		1320	X			X		14	X			X	X				X	X	X	X
MW.20		1106	X			X		14	X			X	X				X	X	X	X
MW.31		1212	X			X		14	X			X	X				X	X	X	X
MW.34		1000	X			X		14	X			X	X				X	X	X	X
DUP.6	↓	1157	X			X		13	X			X	X							

(6) **Remarks**

FERROUS IRON SAMPLES HAVE BEEN FIELD FILTERED
Please forward the lab results directly to the Lead Consultant and cc: G-R.

PG 1 of 2

Amended JMM 11/13/13 — add additional analyses for MW-6

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

(Standard) 5 day 4 day
72 hour 48 hour 24 hour

(8) Data Package (circle if required): Type I - Full; Type VI (Raw Data)

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

Relinquished by	Date	Time	Received by	Date	Time
[signature]	11.12.13	1700			
Relinquished by			Received by		
Relinquished by Commercial Carrier: UPS ✓ FedEx ___ Other ___			[signature]	11/13/13	1000

Temperature Upon Receipt 0.7-4.4 °C   Custody Seals Intact? (Yes) No   (9)

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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

Chevron Northwest Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 11260 For Eurofins Lancaster Laboratories use only Group # 1433480 Sample # 7274594-609
Instructions on reverse side correspond with circled numbers.

1 Client Information

Facility # SS#211577-OML G-R#386765 WBS
Site Address 851 Queen Anne North, SEATTLE, WA
Chevron PM EH LEIDOSRS Lead Consultant Russell Shropshire
Consultant/Office Gettler-Ryan, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568
Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com), (925) 551-7444 x180
Consultant Phone # (425) 482-3323 x
Sampler J. PAYNE/G. MEDINA/A. WONG

2 Sample Identification | Collected Date | Collected Time | **3** Grab | Composite | **4 Matrix**: Soil | Sediment | Potable Water | Ground Water | NPDES | Surface Water | Air | Oil | Total Number of Containers | **5 Analyses Requested**: BTEX + Naphth | 8021 | 8260 | 8260 full scan | Oxygenates | NWTPH-Gx | NWTPH-Dx with Silica Gel Cleanup | NWTPH-Dx without Silica Gel Cleanup | WA VPH | WA EPH | Total | Diss. | Lead | Method | FERROUS IRON/SULFIDE | ALKALINITY | NITRATE/NITRITE/SULFATE | TOTAL IRON/MANGANESE

Sample Identification	Date	Time	Grab	Composite	Soil	Sediment	Potable Water	Ground Water	NPDES	Surface Water	Air	Oil	Total Containers	BTEX + Naphth	8021	8260	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Total	Diss.	Lead	Method	FERROUS IRON/SULFIDE	ALKALINITY	NITRATE/NITRITE/SULFATE	TOTAL IRON/MANGANESE
DPE-6	11.12	1055	X					X					8	X					X	X								X	X	X	X
DPE-8	↓	1425	X					X					14	X					X	X											
RW-2		1310	X					X					8	X					X	X											

SCR #: _____

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

6 Remarks

FERROUS IRON SAMPLES HAVE BEEN FIELD FILTERED
Please forward the lab results directly to the Lead Consultant and cc: G-R.

Pg 2 of 2

7 Turnaround Time Requested (TAT) (please circle)

(Standard) 5 day 4 day
72 hour 48 hour 24 hour

8 Data Package (circle if required)

Type I - Full
Type VI (Raw Data)

EDD (circle if required) EDF/EDD

CVX-RTBU-FI_05 (default)
Other: _____

Relinquished by	Date	Time	Received by	Date	Time
	11.12.13	1700			

9

Relinquished by Commercial Carrier: UPS ✓ FedEx _____ Other _____

Received by | Date 11/13/13 | Time 1000

Temperature Upon Receipt 0.7-4.4 °C

Custody Seals Intact? (Yes) No

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Explanation of Symbols and Abbreviations

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

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

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

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

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

U.S. EPA CLP Data Qualifiers:

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

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

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

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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

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ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

November 27, 2013

Project: 211577

Submittal Date: 11/14/2013
Group Number: 1433875
PO Number: 0015118368
Release Number: HOPKINS

State of Sample Origin: WA

Client Sample Description	Lancaster Labs (LL) #
QA Water	7276625
FB-1 Grab Water	7276626
DUP-1 Grab Groundwater	7276627
VPE-8/MW-7 Grab Groundwater	7276628
MW-9 Grab Groundwater	7276629
MW-4 Grab Groundwater	7276630
MW-14 Grab Groundwater	7276631
MW-15 Grab Groundwater	7276632
MW-16 Grab Groundwater	7276633
MW-18 Grab Groundwater	7276634
MW-25 Grab Groundwater	7276635
MW-26 Grab Groundwater	7276636
MW-33 Grab Groundwater	7276637
MW-32 Grab Groundwater	7276638
MW-35 Grab Groundwater	7276639
VP-4 Grab Groundwater	7276640
VP-5/MW-5 Grab Groundwater	7276641

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

ELECTRONIC COPY TO	Gettler-Ryan Inc.	Attn: Gettler Ryan
ELECTRONIC COPY TO	SAIC	Attn: Jamalyn Green
ELECTRONIC COPY TO	SAIC	Attn: Russ Shropshire

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

eurofins | Lancaster Laboratories Environmental

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Analysis Report

Sample Description: QA Water
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7276625
LL Group # 1433875
Account # 11260

Project Name: 211577

Collected: 11/13/2013

Submitted: 11/14/2013 09:10
Reported: 11/27/2013 15:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASQ2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1

General Sample Comments

State of Washington Lab Certification No. C457

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	Z133251AA	11/21/2013 12:10	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z133251AA	11/21/2013 12:10	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13319A07A	11/20/2013 14:13	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13319A07A	11/20/2013 14:13	Marie D Beamenderfer	1

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Analysis Report

Sample Description: FB-1 Grab Water
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7276626
LL Group # 1433875
Account # 11260

Project Name: 211577

Collected: 11/12/2013 by JP

Submitted: 11/14/2013 09:10
Reported: 11/27/2013 15:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASF1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1

General Sample Comments

State of Washington Lab Certification No. C457

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	Z133251AA	11/21/2013 12:34	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z133251AA	11/21/2013 12:34	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13319A07A	11/20/2013 18:28	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13319A07A	11/20/2013 18:28	Marie D Beamenderfer	1

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Analysis Report

Sample Description: DUP-1 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7276627
LL Group # 1433875
Account # 11260

Project Name: 211577

Collected: 11/12/2013 by JP

Submitted: 11/14/2013 09:10
Reported: 11/27/2013 15:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASD1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	3	0.5	1
10943	Ethylbenzene	100-41-4	0.6	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	0.5	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	97	50	1

General Sample Comments

State of Washington Lab Certification No. C457

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	Z133251AA	11/21/2013 12:58	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z133251AA	11/21/2013 12:58	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13319A07A	11/20/2013 18:53	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13319A07A	11/20/2013 18:53	Marie D Beamenderfer	1

Sample Description: VPE-8/MW-7 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7276628
LL Group # 1433875
Account # 11260

Project Name: 211577

Collected: 11/13/2013 09:35 by JP

Submitted: 11/14/2013 09:10
Reported: 11/27/2013 15:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	330	30	1
12005	HRO C24-C40 w/Si Gel	n.a.	190	70	1
The reverse surrogate, capric acid, is present at <1%.					
Metals Dissolved	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	64,600	43.0	1
07058	Manganese	7439-96-5	1,900	0.83	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	2,500	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	46,800	1,500	5
	SM 2320 B-1997		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	139,000	700	1
	SM 3500-Fe B modified-1997		ug/l	ug/l	
08344	Ferrous Iron	n.a.	70	10	1
	SM 4500-S2 D-2000		ug/l	ug/l	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for Ferrous Iron.

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

Sample Description: VPE-8/MW-7 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7276628
LL Group # 1433875
Account # 11260

Project Name: 211577

Collected: 11/13/2013 09:35 by JP

Submitted: 11/14/2013 09:10
Reported: 11/27/2013 15:19

Chevron
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San Ramon CA 94583

QAS08

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	D133252AA	11/21/2013 12:15	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D133252AA	11/21/2013 12:15	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13319A07A	11/20/2013 19:18	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13319A07A	11/20/2013 19:18	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	133270032A	11/26/2013 11:58	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	133270032A	11/25/2013 10:00	William H Saadeh	1
01754	Iron	SW-846 6010B	1	133251848001	11/24/2013 12:41	Eric L Eby	1
07058	Manganese	SW-846 6010B	1	133251848001	11/24/2013 12:41	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	133251848001	11/23/2013 05:05	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	13318347902A	11/14/2013 18:34	Sandra J Miller	5
01506	Nitrite Nitrogen	EPA 300.0	1	13318347902A	11/14/2013 18:34	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	13318347902A	11/14/2013 18:34	Sandra J Miller	5
12150	Total Alkalinity	SM 2320 B-1997	1	13322002204A	11/18/2013 20:13	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B modified-1997	1	13320834401A	11/16/2013 04:25	Daniel S Smith	1
00230	Sulfide	SM 4500-S2 D-2000	1	13323023001A	11/19/2013 09:45	Susan E Hibner	1

Sample Description: MW-9 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7276629
LL Group # 1433875
Account # 11260

Project Name: 211577

Collected: 11/13/2013 08:23 by JP

Submitted: 11/14/2013 09:10
Reported: 11/27/2013 15:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	180	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	400	30	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	71	1
The reverse surrogate, capric acid, is present at <1%.					
Metals Dissolved	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	37,700	43.0	1
07058	Manganese	7439-96-5	12,200	4.2	5
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	32,000	1,500	5
	SM 2320 B-1997		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	298,000	700	1
	SM 3500-Fe B modified-1997		ug/l	ug/l	
08344	Ferrous Iron	n.a.	12,900	500	50
	SM 4500-S2 D-2000		ug/l	ug/l	
00230	Sulfide	18496-25-8	3,300	220	4

General Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for Ferrous Iron.

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

Sample Description: MW-9 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7276629
LL Group # 1433875
Account # 11260

Project Name: 211577

Collected: 11/13/2013 08:23 by JP

Submitted: 11/14/2013 09:10
Reported: 11/27/2013 15:19

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QAS09

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	D133242AA	11/20/2013 11:53	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D133242AA	11/20/2013 11:53	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13319A07A	11/20/2013 19:43	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13319A07A	11/20/2013 19:43	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	133270032A	11/26/2013 12:20	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	133270032A	11/25/2013 10:00	William H Saadeh	1
01754	Iron	SW-846 6010B	1	133251848001	11/24/2013 12:44	Eric L Eby	1
07058	Manganese	SW-846 6010B	1	133251848001	11/25/2013 14:28	Eric L Eby	5
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	133251848001	11/23/2013 05:05	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	13318347902A	11/15/2013 06:37	Clinton M Wilson	5
01506	Nitrite Nitrogen	EPA 300.0	1	13318347902A	11/15/2013 06:37	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	13318347902A	11/15/2013 06:37	Clinton M Wilson	5
12150	Total Alkalinity	SM 2320 B-1997	1	13322002204A	11/18/2013 20:30	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B modified-1997	1	13320834401A	11/16/2013 04:25	Daniel S Smith	50
00230	Sulfide	SM 4500-S2 D-2000	1	13323023001A	11/19/2013 09:45	Susan E Hibner	4

Sample Description: MW-4 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7276630
LL Group # 1433875
Account # 11260

Project Name: 211577

Collected: 11/13/2013 11:16 by JP

Submitted: 11/14/2013 09:10
Reported: 11/27/2013 15:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	16	0.5	1
10943	Ethylbenzene	100-41-4	0.6	0.5	1
10943	Toluene	108-88-3	0.5	0.5	1
10943	Xylene (Total)	1330-20-7	3	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	1,400	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	180	31	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	71	1
The reverse surrogate, capric acid, is present at <1%.					
Metals Dissolved	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	3,840	43.0	1
07058	Manganese	7439-96-5	6,500	0.83	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	2,900	1,500	5
	SM 2320 B-1997		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	388,000	700	1
	SM 3500-Fe B modified-1997		ug/l	ug/l	
08344	Ferrous Iron	n.a.	1,900	40	4
	SM 4500-S2 D-2000		ug/l	ug/l	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for Ferrous Iron.

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

Sample Description: MW-4 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7276630
LL Group # 1433875
Account # 11260

Project Name: 211577

Collected: 11/13/2013 11:16 by JP

Submitted: 11/14/2013 09:10
Reported: 11/27/2013 15:19

Chevron
6001 Bollinger Canyon Road
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San Ramon CA 94583

QAS04

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	Z133251AA	11/21/2013 14:10	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z133251AA	11/21/2013 14:10	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13319A07A	11/20/2013 20:08	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13319A07A	11/20/2013 20:08	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	133270032A	11/26/2013 12:43	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	133270032A	11/25/2013 10:00	William H Saadeh	1
01754	Iron	SW-846 6010B	1	133251848001	11/24/2013 12:48	Eric L Eby	1
07058	Manganese	SW-846 6010B	1	133251848001	11/24/2013 12:48	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	133251848001	11/23/2013 05:05	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	13318347902A	11/15/2013 06:53	Clinton M Wilson	5
01506	Nitrite Nitrogen	EPA 300.0	1	13318347902A	11/15/2013 06:53	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	13318347902A	11/15/2013 06:53	Clinton M Wilson	5
12150	Total Alkalinity	SM 2320 B-1997	1	13322002204A	11/18/2013 19:27	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B modified-1997	1	13320834401A	11/16/2013 04:25	Daniel S Smith	4
00230	Sulfide	SM 4500-S2 D-2000	1	13323023001A	11/19/2013 09:45	Susan E Hibner	1

Sample Description: MW-14 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7276631
LL Group # 1433875
Account # 11260

Project Name: 211577

Collected: 11/13/2013 10:21 by JP

Submitted: 11/14/2013 09:10
Reported: 11/27/2013 15:19

Chevron
6001 Bollinger Canyon Road
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San Ramon CA 94583

QAS14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	10	0.5	1
10943	Ethylbenzene	100-41-4	12	0.5	1
10943	Toluene	108-88-3	4	0.5	1
10943	Xylene (Total)	1330-20-7	57	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	5,800	250	5
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	280	30	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	71	1
	The reverse surrogate, capric acid, is present at <1%.				
Metals Dissolved	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	63,100	43.0	1
07058	Manganese	7439-96-5	7,780	0.83	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	7,400	1,500	5
	SM 2320 B-1997		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	436,000	700	1
	SM 3500-Fe B modified-1997		ug/l	ug/l	
08344	Ferrous Iron	n.a.	6,000	250	25
	SM 4500-S2 D-2000		ug/l	ug/l	
00230	Sulfide	18496-25-8	14,200	540	10

General Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for Ferrous Iron.

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

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Analysis Report

Sample Description: MW-14 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7276631
LL Group # 1433875
Account # 11260

Project Name: 211577

Collected: 11/13/2013 10:21 by JP

Submitted: 11/14/2013 09:10
Reported: 11/27/2013 15:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS14

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	Z133251AA	11/21/2013 14:33	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z133251AA	11/21/2013 14:33	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13319A07A	11/20/2013 23:05	Marie D Beamenderfer	5
01146	GC VOA Water Prep	SW-846 5030B	1	13319A07A	11/20/2013 23:05	Marie D Beamenderfer	5
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	133270032A	11/26/2013 13:06	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	133270032A	11/25/2013 10:00	William H Saadeh	1
01754	Iron	SW-846 6010B	1	133251848001	11/24/2013 13:00	Eric L Eby	1
07058	Manganese	SW-846 6010B	1	133251848001	11/24/2013 13:00	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	133251848001	11/23/2013 05:05	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	13318347902A	11/15/2013 07:10	Clinton M Wilson	5
01506	Nitrite Nitrogen	EPA 300.0	1	13318347902A	11/15/2013 07:10	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	13318347902A	11/15/2013 07:10	Clinton M Wilson	5
12150	Total Alkalinity	SM 2320 B-1997	1	13322002204A	11/18/2013 19:42	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B modified-1997	1	13320834401A	11/16/2013 04:25	Daniel S Smith	25
00230	Sulfide	SM 4500-S2 D-2000	1	13323023001A	11/19/2013 09:45	Susan E Hibner	10

Sample Description: MW-15 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7276632
LL Group # 1433875
Account # 11260

Project Name: 211577

Collected: 11/13/2013 12:24 by JP

Submitted: 11/14/2013 09:10
Reported: 11/27/2013 15:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	0.6	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	31	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	72	1
The reverse surrogate, capric acid, is present at <1%.					
Metals Dissolved	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	4,380	43.0	1
07058	Manganese	7439-96-5	2,310	0.83	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	23,500	1,500	5
	SM 2320 B-1997		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	171,000	700	1
	SM 3500-Fe B modified-1997		ug/l	ug/l	
08344	Ferrous Iron	n.a.	63	10	1
	SM 4500-S2 D-2000		ug/l	ug/l	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for Ferrous Iron.

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

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Analysis Report

Sample Description: MW-15 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7276632
LL Group # 1433875
Account # 11260

Project Name: 211577

Collected: 11/13/2013 12:24 by JP

Submitted: 11/14/2013 09:10
Reported: 11/27/2013 15:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS15

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	Z133251AA	11/21/2013 14:57	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z133251AA	11/21/2013 14:57	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13319A07A	11/20/2013 22:40	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13319A07A	11/20/2013 22:40	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	133270032A	11/26/2013 13:28	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	133270032A	11/25/2013 10:00	William H Saadeh	1
01754	Iron	SW-846 6010B	1	133251848001	11/24/2013 13:04	Eric L Eby	1
07058	Manganese	SW-846 6010B	1	133251848001	11/24/2013 13:04	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	133251848001	11/23/2013 05:05	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	13318347902A	11/15/2013 07:26	Clinton M Wilson	5
01506	Nitrite Nitrogen	EPA 300.0	1	13318347902A	11/15/2013 07:26	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	13318347902A	11/15/2013 07:26	Clinton M Wilson	5
12150	Total Alkalinity	SM 2320 B-1997	1	13322002204A	11/18/2013 20:18	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B modified-1997	1	13320834401A	11/16/2013 04:25	Daniel S Smith	1
00230	Sulfide	SM 4500-S2 D-2000	1	13323023001A	11/19/2013 09:45	Susan E Hibner	1

Sample Description: MW-16 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7276633
LL Group # 1433875
Account # 11260

Project Name: 211577

Collected: 11/13/2013 14:04 by JP

Submitted: 11/14/2013 09:10
Reported: 11/27/2013 15:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals Dissolved	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	305	43.0	1
07058	Manganese	7439-96-5	255	0.83	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	7,800	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	15,200	1,500	5
	SM 2320 B-1997		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	108,000	700	1
	SM 3500-Fe B modified-1997		ug/l	ug/l	
08344	Ferrous Iron	n.a.	44	10	1
	SM 4500-S2 D-2000		ug/l	ug/l	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for Ferrous Iron.

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

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Analysis Report

Sample Description: MW-16 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7276633
LL Group # 1433875
Account # 11260

Project Name: 211577

Collected: 11/13/2013 14:04 by JP

Submitted: 11/14/2013 09:10
Reported: 11/27/2013 15:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS16

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	Z133251AA	11/21/2013 15:21	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z133251AA	11/21/2013 15:21	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13319A07A	11/20/2013 21:24	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13319A07A	11/20/2013 21:24	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	133270032A	11/26/2013 13:51	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	133270032A	11/25/2013 10:00	William H Saadeh	1
01754	Iron	SW-846 6010B	1	133251848001	11/24/2013 13:08	Eric L Eby	1
07058	Manganese	SW-846 6010B	1	133251848001	11/24/2013 13:08	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	133251848001	11/23/2013 05:05	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	13318347902A	11/15/2013 07:42	Clinton M Wilson	5
01506	Nitrite Nitrogen	EPA 300.0	1	13318347902A	11/15/2013 07:42	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	13318347902A	11/15/2013 07:42	Clinton M Wilson	5
12150	Total Alkalinity	SM 2320 B-1997	1	13322002204A	11/18/2013 18:43	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B modified-1997	1	13320834401A	11/16/2013 04:25	Daniel S Smith	1
00230	Sulfide	SM 4500-S2 D-2000	1	13323023001A	11/19/2013 09:45	Susan E Hibner	1

Sample Description: MW-18 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7276634
LL Group # 1433875
Account # 11260

Project Name: 211577

Collected: 11/13/2013 12:40 by JP

Submitted: 11/14/2013 09:10
Reported: 11/27/2013 15:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS18

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	13	0.5	1
10943	Ethylbenzene	100-41-4	0.8	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	1	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	610	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	30	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	70	1
The reverse surrogate, capric acid, is present at <1%.					
Metals Dissolved	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	12,700	43.0	1
07058	Manganese	7439-96-5	2,330	0.83	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	8,000	1,500	5
	SM 2320 B-1997		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	315,000	700	1
	SM 3500-Fe B modified-1997		ug/l	ug/l	
08344	Ferrous Iron	n.a.	5,900	200	20
	SM 4500-S2 D-2000		ug/l	ug/l	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for Ferrous Iron.

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

Sample Description: MW-18 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7276634
LL Group # 1433875
Account # 11260

Project Name: 211577

Collected: 11/13/2013 12:40 by JP

Submitted: 11/14/2013 09:10
Reported: 11/27/2013 15:19

Chevron
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San Ramon CA 94583

QAS18

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	Z133251AA	11/21/2013 15:45	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z133251AA	11/21/2013 15:45	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13319A07A	11/20/2013 21:49	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13319A07A	11/20/2013 21:49	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	133270032A	11/26/2013 14:14	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	133270032A	11/25/2013 10:00	William H Saadeh	1
01754	Iron	SW-846 6010B	1	133251848001	11/24/2013 13:12	Eric L Eby	1
07058	Manganese	SW-846 6010B	1	133251848001	11/24/2013 13:12	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	133251848001	11/23/2013 05:05	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	13318347902A	11/15/2013 07:58	Clinton M Wilson	5
01506	Nitrite Nitrogen	EPA 300.0	1	13318347902A	11/15/2013 07:58	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	13318347902A	11/15/2013 07:58	Clinton M Wilson	5
12150	Total Alkalinity	SM 2320 B-1997	1	13322002204A	11/18/2013 20:56	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B modified-1997	1	13320834401A	11/16/2013 04:25	Daniel S Smith	20
00230	Sulfide	SM 4500-S2 D-2000	1	13323023001A	11/19/2013 09:45	Susan E Hibner	1

Sample Description: MW-25 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7276635
LL Group # 1433875
Account # 11260

Project Name: 211577

Collected: 11/13/2013 09:28 by JP

Submitted: 11/14/2013 09:10
Reported: 11/27/2013 15:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS25

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	31	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	71	1
The reverse surrogate, capric acid, is present at <1%.					
Metals Dissolved	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	2,700	43.0	1
07058	Manganese	7439-96-5	2,190	0.83	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	1,100	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	8,800	1,500	5
	SM 2320 B-1997		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	173,000	700	1
	SM 3500-Fe B modified-1997		ug/l	ug/l	
08344	Ferrous Iron	n.a.	130	10	1
	SM 4500-S2 D-2000		ug/l	ug/l	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for Ferrous Iron.

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

Sample Description: MW-25 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7276635
LL Group # 1433875
Account # 11260

Project Name: 211577

Collected: 11/13/2013 09:28 by JP

Submitted: 11/14/2013 09:10
Reported: 11/27/2013 15:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS25

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	Z133251AA	11/21/2013 16:09	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z133251AA	11/21/2013 16:09	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13322B53A	11/19/2013 18:26	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13322B53A	11/19/2013 18:26	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	133270032A	11/26/2013 14:47	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	133270032A	11/25/2013 10:00	William H Saadeh	1
01754	Iron	SW-846 6010B	1	133251848001	11/24/2013 13:16	Eric L Eby	1
07058	Manganese	SW-846 6010B	1	133251848001	11/24/2013 13:16	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	133251848001	11/23/2013 05:05	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	13318347902A	11/15/2013 08:14	Clinton M Wilson	5
01506	Nitrite Nitrogen	EPA 300.0	1	13318347902A	11/15/2013 08:14	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	13318347902A	11/15/2013 08:14	Clinton M Wilson	5
12150	Total Alkalinity	SM 2320 B-1997	1	13322002203A	11/18/2013 18:01	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B modified-1997	1	13320834401A	11/16/2013 04:25	Daniel S Smith	1
00230	Sulfide	SM 4500-S2 D-2000	1	13323023001A	11/19/2013 09:45	Susan E Hibner	1

Sample Description: MW-26 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7276636
LL Group # 1433875
Account # 11260

Project Name: 211577

Collected: 11/13/2013 12:51 by JP

Submitted: 11/14/2013 09:10
Reported: 11/27/2013 15:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS26

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals Dissolved	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	90.6	43.0	1
07058	Manganese	7439-96-5	747	0.83	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	12,200	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	13,900	1,500	5
	SM 2320 B-1997		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	111,000	700	1
	SM 3500-Fe B modified-1997		ug/l	ug/l	
08344	Ferrous Iron	n.a.	15	10	1
	SM 4500-S2 D-2000		ug/l	ug/l	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for Ferrous Iron.

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

Sample Description: MW-26 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7276636
LL Group # 1433875
Account # 11260

Project Name: 211577

Collected: 11/13/2013 12:51 by JP

Submitted: 11/14/2013 09:10
Reported: 11/27/2013 15:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS26

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	Z133251AA	11/21/2013 16:33	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z133251AA	11/21/2013 16:33	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13322B53A	11/19/2013 18:53	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13322B53A	11/19/2013 18:53	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	133270033A	11/27/2013 04:51	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	133270033A	11/25/2013 10:00	William H Saadeh	1
01754	Iron	SW-846 6010B	1	133251848001	11/24/2013 13:19	Eric L Eby	1
07058	Manganese	SW-846 6010B	1	133251848001	11/24/2013 13:19	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	133251848001	11/23/2013 05:05	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	13318347902A	11/15/2013 08:31	Clinton M Wilson	5
01506	Nitrite Nitrogen	EPA 300.0	1	13318347902A	11/15/2013 08:31	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	13318347902A	11/15/2013 08:31	Clinton M Wilson	5
12150	Total Alkalinity	SM 2320 B-1997	1	13322002203A	11/18/2013 18:13	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B modified-1997	1	13320834401A	11/16/2013 04:25	Daniel S Smith	1
00230	Sulfide	SM 4500-S2 D-2000	1	13323023001A	11/19/2013 09:45	Susan E Hibner	1

Sample Description: MW-33 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7276637
LL Group # 1433875
Account # 11260

Project Name: 211577

Collected: 11/13/2013 09:47 by JP

Submitted: 11/14/2013 09:10
Reported: 11/27/2013 15:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS33

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	140	0.5	1
10943	Ethylbenzene	100-41-4	10	0.5	1
10943	Toluene	108-88-3	0.5	0.5	1
10943	Xylene (Total)	1330-20-7	4	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	180	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	30	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	69	1
The reverse surrogate, capric acid, is present at <1%.					
Metals Dissolved	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	5,420	43.0	1
07058	Manganese	7439-96-5	472	0.83	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	35,300	1,500	5
	SM 2320 B-1997		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	355,000	700	1
	SM 3500-Fe B modified-1997		ug/l	ug/l	
08344	Ferrous Iron	n.a.	4,600	200	20
	SM 4500-S2 D-2000		ug/l	ug/l	
00230	Sulfide	18496-25-8	330	54	1

General Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for Ferrous Iron.

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

Sample Description: MW-33 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7276637
LL Group # 1433875
Account # 11260

Project Name: 211577

Collected: 11/13/2013 09:47 by JP

Submitted: 11/14/2013 09:10
Reported: 11/27/2013 15:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS33

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	Z133251AA	11/21/2013 16:57	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z133251AA	11/21/2013 16:57	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13322B53A	11/19/2013 19:20	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13322B53A	11/19/2013 19:20	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	133270033A	11/27/2013 05:14	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	133270033A	11/25/2013 10:00	William H Saadeh	1
01754	Iron	SW-846 6010B	1	133251848001	11/24/2013 11:36	Eric L Eby	1
07058	Manganese	SW-846 6010B	1	133251848001	11/24/2013 11:36	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	133251848001	11/23/2013 05:05	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	13318347902A	11/15/2013 09:19	Clinton M Wilson	5
01506	Nitrite Nitrogen	EPA 300.0	1	13318347902A	11/15/2013 09:19	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	13318347902A	11/15/2013 09:19	Clinton M Wilson	5
12150	Total Alkalinity	SM 2320 B-1997	1	13322002203A	11/18/2013 18:08	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B modified-1997	1	13320834401A	11/16/2013 04:25	Daniel S Smith	20
00230	Sulfide	SM 4500-S2 D-2000	1	13323023001A	11/19/2013 09:45	Susan E Hibner	1

Sample Description: MW-32 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7276638
LL Group # 1433875
Account # 11260

Project Name: 211577

Collected: 11/13/2013 11:53 by JP

Submitted: 11/14/2013 09:10
Reported: 11/27/2013 15:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS32

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1

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

General Sample Comments

State of Washington Lab Certification No. C457

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	Z133251AA	11/21/2013 17:21	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z133251AA	11/21/2013 17:21	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13322B53A	11/19/2013 19:46	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13322B53A	11/19/2013 19:46	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	133270033A	11/27/2013 05:36	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	133270033A	11/25/2013 10:00	William H Saadeh	1

Sample Description: MW-35 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7276639
LL Group # 1433875
Account # 11260

Project Name: 211577

Collected: 11/13/2013 10:51 by JP

Submitted: 11/14/2013 09:10
Reported: 11/27/2013 15:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS35

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					
Metals Dissolved	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	13,000	43.0	1
07058	Manganese	7439-96-5	2,450	0.83	1
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	63,800	1,500	5
	SM 2320 B-1997		**ug/l as CaCO3**	**ug/l as CaCO3**	
12150	Total Alkalinity	n.a.	202,000	700	1
	SM 3500-Fe B modified-1997		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	2,300	40	4
	SM 4500-S2 D-2000		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for Ferrous Iron.

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

Sample Description: MW-35 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7276639
LL Group # 1433875
Account # 11260

Project Name: 211577

Collected: 11/13/2013 10:51 by JP

Submitted: 11/14/2013 09:10
Reported: 11/27/2013 15:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS35

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	Z133251AA	11/21/2013 17:45	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z133251AA	11/21/2013 17:45	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13322B53A	11/19/2013 20:13	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13322B53A	11/19/2013 20:13	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	133270033A	11/27/2013 05:59	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	133270033A	11/25/2013 10:00	William H Saadeh	1
01754	Iron	SW-846 6010B	1	133251848001	11/24/2013 13:23	Eric L Eby	1
07058	Manganese	SW-846 6010B	1	133251848001	11/24/2013 13:23	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	133251848001	11/23/2013 05:05	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	13318347902B	11/15/2013 10:24	Clinton M Wilson	5
01506	Nitrite Nitrogen	EPA 300.0	1	13318347902B	11/15/2013 10:24	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	13318347902B	11/15/2013 10:24	Clinton M Wilson	5
12150	Total Alkalinity	SM 2320 B-1997	1	13322002204A	11/18/2013 20:50	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B modified-1997	1	13320834401A	11/16/2013 04:25	Daniel S Smith	4
00230	Sulfide	SM 4500-S2 D-2000	1	13323023001A	11/19/2013 09:45	Susan E Hibner	1

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Analysis Report

Sample Description: VP-4 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7276640
LL Group # 1433875
Account # 11260

Project Name: 211577

Collected: 11/13/2013 10:40 by JP

Submitted: 11/14/2013 09:10
Reported: 11/27/2013 15:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASV4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene	71-43-2	0.8	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	0.6	0.5	1
10943	Xylene (Total)	1330-20-7	1	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	560	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	8,400	59	2
12005	HRO C24-C40 w/Si Gel	n.a.	1,500	140	2

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

General Sample Comments

State of Washington Lab Certification No. C457

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	Z133251AA	11/21/2013 18:09	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z133251AA	11/21/2013 18:09	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13322B53A	11/19/2013 20:40	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13322B53A	11/19/2013 20:40	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	133270033A	11/27/2013 08:47	Christine E Dolman	2
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	133270033A	11/25/2013 10:00	William H Saadeh	1

Sample Description: VP-5/MW-5 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7276641
LL Group # 1433875
Account # 11260

Project Name: 211577

Collected: 11/13/2013 11:40 by JP

Submitted: 11/14/2013 09:10
Reported: 11/27/2013 15:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASV5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene	71-43-2	0.9	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	94	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	30	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	71	1
The reverse surrogate, capric acid, is present at <1%.					
Metals Dissolved	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	8,660	43.0	1
07058	Manganese	7439-96-5	19,900	4.2	5
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	51,300	1,500	5
	SM 2320 B-1997		**ug/l as CaCO3**	**ug/l as CaCO3**	
12150	Total Alkalinity	n.a.	114,000	700	1
	SM 3500-Fe B modified-1997		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	39	10	1
	SM 4500-S2 D-2000		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C457
This sample was field filtered for Ferrous Iron.

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

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Analysis Report

Sample Description: VP-5/MW-5 Grab Groundwater
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LL Sample # WW 7276641
LL Group # 1433875
Account # 11260

Project Name: 211577

Collected: 11/13/2013 11:40 by JP

Submitted: 11/14/2013 09:10
Reported: 11/27/2013 15:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASV5

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	Z133251AA	11/21/2013 18:33	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z133251AA	11/21/2013 18:33	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13322B53A	11/19/2013 21:07	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13322B53A	11/19/2013 21:07	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	133270033A	11/27/2013 06:21	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	133270033A	11/25/2013 10:00	William H Saadeh	1
01754	Iron	SW-846 6010B	1	133251848003	11/24/2013 08:13	Eric L Eby	1
07058	Manganese	SW-846 6010B	1	133251848003	11/24/2013 09:47	Eric L Eby	5
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	133251848003	11/23/2013 05:12	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	13318347902B	11/15/2013 09:35	Clinton M Wilson	5
01506	Nitrite Nitrogen	EPA 300.0	1	13318347902B	11/15/2013 09:35	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	13318347902B	11/15/2013 09:35	Clinton M Wilson	5
12150	Total Alkalinity	SM 2320 B-1997	1	13322002204A	11/18/2013 20:23	Michele L Graham	1
08344	Ferrous Iron	SM 3500-Fe B modified-1997	1	13320834401A	11/16/2013 04:25	Daniel S Smith	1
00230	Sulfide	SM 4500-S2 D-2000	1	13323023001A	11/19/2013 09:45	Susan E Hibner	1

Quality Control Summary

Client Name: Chevron Group Number: 1433875
Reported: 11/27/13 at 03:19 PM

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

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: D133242AA	Sample number(s): 7276629							
Benzene	N.D.	0.5	ug/l	108		78-120		
Ethylbenzene	N.D.	0.5	ug/l	103		79-120		
Toluene	N.D.	0.5	ug/l	107		80-120		
Xylene (Total)	N.D.	0.5	ug/l	104		80-120		
Batch number: D133252AA	Sample number(s): 7276628							
Benzene	N.D.	0.5	ug/l	114		78-120		
Ethylbenzene	N.D.	0.5	ug/l	109		79-120		
Toluene	N.D.	0.5	ug/l	113		80-120		
Xylene (Total)	N.D.	0.5	ug/l	113		80-120		
Batch number: Z133251AA	Sample number(s): 7276625-7276627,7276630-7276641							
Benzene	N.D.	0.5	ug/l	95		78-120		
Ethylbenzene	N.D.	0.5	ug/l	89		79-120		
Toluene	N.D.	0.5	ug/l	94		80-120		
Xylene (Total)	N.D.	0.5	ug/l	93		80-120		
Batch number: 13319A07A	Sample number(s): 7276625-7276634							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	97	91	75-135	6	30
Batch number: 13322B53A	Sample number(s): 7276635-7276641							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	107	111	75-135	3	30
Batch number: 133270032A	Sample number(s): 7276628-7276635							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	59	53	32-117	9	20
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 133270033A	Sample number(s): 7276636-7276641							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	66	68	32-117	3	20
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 133251848001	Sample number(s): 7276628-7276637,7276639							
Iron	N.D.	43.0	ug/l	100		90-112		
Manganese	N.D.	0.83	ug/l	104		90-110		
Batch number: 133251848003	Sample number(s): 7276641							
Iron	N.D.	43.0	ug/l	103		90-112		
Manganese	N.D.	0.83	ug/l	103		90-110		
Batch number: 13318347902A	Sample number(s): 7276628-7276637							
Nitrate Nitrogen	N.D.	50.	ug/l	104		90-110		
Nitrite Nitrogen	N.D.	80.	ug/l	102		90-110		
Sulfate	N.D.	300.	ug/l	106		90-110		

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

Quality Control Summary

Client Name: Chevron Group Number: 1433875
Reported: 11/27/13 at 03:19 PM

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 13318347902B	Sample number(s): 7276639,7276641							
Nitrate Nitrogen	N.D.	50.	ug/l	104		90-110		
Nitrite Nitrogen	N.D.	80.	ug/l	102		90-110		
Sulfate	N.D.	300.	ug/l	106		90-110		
Batch number: 13320834401A	Sample number(s): 7276628-7276637,7276639,7276641							
Ferrous Iron	N.D.	10.	ug/l	98		93-105		
Batch number: 13322002203A	Sample number(s): 7276635-7276637							
Total Alkalinity	N.D.	700.	ug/l as CaCO3	100		90-110		
Batch number: 13322002204A	Sample number(s): 7276628-7276634,7276639,7276641							
Total Alkalinity	N.D.	700.	ug/l as CaCO3	100		90-110		
Batch number: 13323023001A	Sample number(s): 7276628-7276637,7276639,7276641							
Sulfide	N.D.	54.	ug/l	102		90-110		

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: D133242AA	Sample number(s): 7276629 UNSPK: 7276629								
Benzene	106	108	72-134	1	30				
Ethylbenzene	103	101	71-134	2	30				
Toluene	103	103	80-125	0	30				
Xylene (Total)	102	101	79-125	1	30				
Batch number: D133252AA	Sample number(s): 7276628 UNSPK: 7276628								
Benzene	113	113	72-134	0	30				
Ethylbenzene	103	104	71-134	1	30				
Toluene	108	109	80-125	1	30				
Xylene (Total)	105	108	79-125	2	30				
Batch number: Z133251AA	Sample number(s): 7276625-7276627,7276630-7276641 UNSPK: 7276627								
Benzene	107	112	72-134	4	30				
Ethylbenzene	101	108	71-134	7	30				
Toluene	106	114	80-125	7	30				
Xylene (Total)	104	111	79-125	7	30				
Batch number: 133251848001	Sample number(s): 7276628-7276637,7276639 UNSPK: 7276637 BKG: 7276637								
Iron	96 (2)	97 (2)	75-125	0	20	5,420	5,450	0	20
Manganese	101	102	75-125	1	20	472	476	1	20
Batch number: 133251848003	Sample number(s): 7276641 UNSPK: P279402 BKG: P279402								
Iron	7523 (2)	-1675 (2)	75-125	9	20	944,000	1,060,000	12	20
Manganese	-645	-596	75-125	0	20	180,000	179,000	0	20

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

Quality Control Summary

Client Name: Chevron Group Number: 1433875
Reported: 11/27/13 at 03:19 PM

Sample Matrix Quality Control

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

Analysis Name	MS %REC (2)	MSD %REC (2)	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 13318347902A	Sample number(s): 7276628-7276637 UNSPK: 7276628 BKG: 7276628								
Nitrate Nitrogen	113*		90-110			2,500	2,500	3 (1)	20
Nitrite Nitrogen	105		90-110			N.D.	N.D.	0 (1)	20
Sulfate	110		90-110			46,800	46,100	1	20
Batch number: 13318347902B	Sample number(s): 7276639,7276641 UNSPK: 7276641 BKG: 7276641								
Nitrate Nitrogen	108		90-110			N.D.	N.D.	0 (1)	20
Nitrite Nitrogen	103		90-110			N.D.	N.D.	0 (1)	20
Sulfate	116*		90-110			51,300	51,200	0	20
Batch number: 13320834401A	Sample number(s): 7276628-7276637,7276639,7276641 UNSPK: 7276637 BKG: 7276637								
Ferrous Iron	91	95	81-112	3	6	4,600	4,700	0 (1)	5
Batch number: 13322002203A	Sample number(s): 7276635-7276637 UNSPK: P278545 BKG: P278545								
Total Alkalinity	46		10-159			207,000	206,000	0	5
Batch number: 13322002204A	Sample number(s): 7276628-7276634,7276639,7276641 UNSPK: 7276633 BKG: 7276633								
Total Alkalinity	95		10-159			108,000	107,000	1	5
Batch number: 13323023001A	Sample number(s): 7276628-7276637,7276639,7276641 UNSPK: 7276637 BKG: 7276637								
Sulfide	91	91	42-131	0	16	330	320	5 (1)	5

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: UST VOCs by 8260B - Water
Batch number: D133242AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7276629	97	96	99	100
Blank	99	97	101	98
LCS	96	97	99	100
MS	98	98	100	99
MSD	96	99	99	101
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water
Batch number: D133252AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7276628	96	97	98	96
Blank	98	96	98	94
LCS	94	98	98	99
MS	97	100	98	98

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

Quality Control Summary

Client Name: Chevron Group Number: 1433875
Reported: 11/27/13 at 03:19 PM

Surrogate Quality Control

MSD	97	98	98	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water
Batch number: Z133251AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7276625	101	99	100	92
7276626	101	98	100	93
7276627	100	100	98	94
7276630	101	98	100	97
7276631	100	99	101	98
7276632	102	99	101	93
7276633	102	100	101	93
7276634	98	97	101	99
7276635	100	100	101	93
7276636	102	100	101	93
7276637	100	98	101	95
7276638	101	99	99	92
7276639	102	103	101	93
7276640	101	98	102	95
7276641	103	100	101	93
Blank	102	101	100	92
LCS	100	99	99	98
MS	99	101	99	97
MSD	99	98	100	97
Limits:	80-116	77-113	80-113	78-113

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 13319A07A

	Trifluorotoluene-F
7276625	85
7276626	87
7276627	89
7276628	90
7276629	91
7276630	92
7276631	90
7276632	86
7276633	84
7276634	116
Blank	85
LCS	100
LCSD	96
Limits:	63-135

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 13322B53A

	Trifluorotoluene-F
7276635	69
7276636	76

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

Quality Control Summary

Client Name: Chevron
Reported: 11/27/13 at 03:19 PM

Group Number: 1433875

Surrogate Quality Control

7276637	84
7276638	70
7276639	70
7276640	85
7276641	84
Blank	70
LCS	77
LCSD	78
Limits:	63-135

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 133270032A

	Orthoterphenyl
7276628	57
7276629	62
7276630	51
7276631	60
7276632	50
7276633	67
7276634	68
7276635	52
Blank	70
LCS	74
LCSD	70
Limits:	50-150

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 133270033A

	Orthoterphenyl
7276636	86
7276637	81
7276638	87
7276639	84
7276640	105
7276641	96
Blank	86
LCS	85
LCSD	90
Limits:	50-150

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

Chevron Northwest Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 11260 For Eurofins Lancaster Laboratories use only Group # 1433875 Sample # 7276625-41

Instructions on reverse side correspond with circled numbers.

SCR #: _____

(1) Client Information

Facility # SS#211577-OML G-R#386765 WBS

Site Address 631 Queen Anne North, SEATTLE, WA

Chevron PM EH LEIDOSRS Lead Consultant Russell Shropshire

Consultant/Office Gettler-Ryan, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568

Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com), (925) 551-7444 x180

Consultant Phone # (425) 482-3323 x

Sampler J. PAYNE

(4) Matrix

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

(5) Analyses Requested

Total Number of Containers

BTEX + ☐ 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 _____

FERROUS IRON / ALKALINITY

NITRATE / SULFATE

TOTAL IRON / MANGANESE

SULFIDE

(3) Grab / Composite

(2) Sample Identification

Sample Identification	Collected Date	Collected Time	Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX + 8021	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	FERROUS IRON / ALKALINITY	NITRATE / SULFATE	TOTAL IRON / MANGANESE	SULFIDE
Q.A	11.13.13		X			X		2	X			X												
FB.1	11.12.13		X			X		6	X			X												
DUP.1	11.12.13		X			X		6	X			X												
VPE.8/MW.7	11.13.13	0935	X			X		4	X			X	X								X	X	X	X
MW.9	11.13.13	0823	X			X		14	X			X	X								X	X	X	X
MW.4	11.13.13	1116	X			X		14	X			X	X								X	X	X	X
MW.14	11.13.13	1021	X			X		14	X			X	X								X	X	X	X
MW.15	11.13.13	1224	X			X		14	X			X	X								X	X	X	X
MW.16	11.13.13	1404	X			X		14	X			X	X								X	X	X	X
MW.18	11.13.13	1240	X			X		14	X			X	X								X	X	X	X
MW.25	11.13.13	0928	X			X		14	X			X	X								X	X	X	X
MW.26	11.13.13	1251	X			X		14	X			X	X								X	X	X	X
MW.35	11.13.13	0947	X			X		14	X			X	X								X	X	X	X

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

(6) Remarks

FERROUS IRON SAMPLES HAVE BEEN FIELD FILTERED
Please forward the lab results directly to the Lead Consultant and cc: G-R.

Pg 1 of 2

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

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

(8) Data Package (circle if required)

Type I - Full

Type VI (Raw Data)

EDD (circle if required) EDF/EDD

CVX-RTBU-FI_05 (default)

Other: _____

Relinquished by	Date	Time	Received by	Date	Time
	11.13.13	1700			
Relinquished by	Date	Time	Received by	Date	Time

(9)

Relinquished by Commercial Carrier: UPS ✓ FedEx _____ Other _____

Temperature Upon Receipt 0.7-1.6 °C

Received by _____ Date 11/14/13 Time 910

Custody Seals Intact? (Yes) No

Chevron Northwest Region Analysis Request/Chain of Custody

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For Eurofins Lancaster Laboratories use only
Acct. # 11260 Group # 1433875 Sample # 7276625-41
Instructions on reverse side correspond with circled numbers.

SCR #: ____

(1) Client Information

Facility # SS#211577-OML G-R#386765 WBS

Site Address 831 Queen Anne North, SEATTLE, WA

Chevron PM EH LEIDOSRS Lead Consultant Russell Shropshire

Consultant/Office Gettler-Ryan, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568

Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com), (925) 551-7444 x180

Consultant Phone # (425) 482-3323 x

Sampler J. PAYNE

(4) Matrix: Sediment ☐ Ground ☑ Surface ☐ (Water: Potable ☐ NPDES ☐) Soil ☐ Oil ☐ Air ☐

(5) Analyses Requested: BTEX + Naphth ☐ 8021 ☐ 8260 ☑; 8260 full scan; Oxygenates; NWTPH-Gx; NWTPH-Dx with Silica Gel Cleanup ☑; NWTPH-Dx without Silica Gel Cleanup ☐; WA VPH ☐ WA EPH ☐; Lead Total ☐ Diss. ☐ Method; FERROUS IRON/ALKALINITY; NITRATE/NITRITE/SULFATE; TOTAL IRON/MANGANESE; SULFIDE

(2) Sample Identification	Collected Date	Collected Time	(3) Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX + Naphth 8021/8260	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH / WA EPH	Lead	FERROUS IRON/ALKALINITY	NITRATE/NITRITE/SULFATE	TOTAL IRON/MANGANESE	SULFIDE
MW-32	11-13-13	1153	X			X		8	X			X	X							
MW-35	11-13-13	1051	X			X		14	X			X	X				X	X	X	X
VP-4	11-13-13	1040	X			X		8	X			X	X							
VPS/MW-5	11-13-13	1140	X			X		14	X			X	X				X	X	X	X

SCR # options:
- ☐ 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

FERROUS IRON SAMPLES HAVE BEEN FIELD FILTERED
Please forward the lab results directly to the Lead Consultant and cc: G-R.

Pg 2 of 2

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

(Standard) 5 day 4 day
72 hour 48 hour 24 hour

(8) Data Package (circle if required)
Type I - Full
Type VI (Raw Data)

EDD (circle if required) EDF/EDD
CVX-RTBU-FI_05 (default)
Other: ____

Relinquished by	Date	Time	Received by	Date	Time
[signature]	11-13-13	1700			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by Commercial Carrier: UPS ✓ FedEx ____ Other ____			[signature]	11/14/13	910

Temperature Upon Receipt 0.7-1.6 °C
Custody Seals Intact? (Yes) No

Eurofins Lancaster Laboratories, Inc. • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300
The white copy should accompany samples to Eurofins Lancaster Laboratories. The yellow copy should be retained by the client.

Issued by Dept. 40 Management 7051.03

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Explanation of Symbols and Abbreviations

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

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

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

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

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

U.S. EPA CLP Data Qualifiers:

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

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

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

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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

AIR ANALYTICAL RESULTS

Former Queen Anne Texaco 211577
631 Queen Anne Avenue North
Seattle, WA

	Sample Location	DVP-1	DVP-2
	Sample I.D.	SUMMA 0132	SUMMA 0101
	Concentration	ppb (v)	ppb (v)
Compound Name	**Date**	**10/3/02**	**10/3/02**
EPA METHODS 18 & 25			
Methane		25,000	350
>C4-C10 Hydrocarbons		8,600	3,800
EPA METHOD TO-14			
Dichlorodifluoromethane		1500 U	0.2 U
Feron 114		1500 U	0.2 U
Chloromethane		1500 U	0.2 U
Vinyl chloride		1500 U	0.2 U
Bromomethane		1500 U	0.2 U
Chloroethane		1500 U	0.2 U
Trichlorofluoromethane		1500 U	0.2 U
1,1-Dichloroethene		1500 U	0.2 U
Feron 113		3800 U	0.5 U
3-Chloropropane		3800 U	0.5 U
Methylene chloride		3800 U	0.5 U
1,1-Dichloroethene		1500 U	0.2 U
cis-1,2-Dichloroethene		1500 U	0.2 U
Chloroform		1500 U	0.2 U
1,1,1-Trichloroethane		1500 U	0.2 U
Carbon tetrachloride		1500 U	0.2 U
1,2-Dibromoethane		1500 U	0.2 U
Benzene		**13000 D**	**6 D**
Trichlorofluoromethane		1500 U	0.2 U
1,2-Dichloropropane		1500 U	0.2 U
cis-1,3-Dichloropropene		1500 U	0.2 U
Toluene		**110000 D**	**35 D**
trans-1,3-Dichloropropene		1500 U	0.2 U
1,1,2-Trichloroethane		1500 U	0.2 U
Tetrachloroethene		**6200 D**	0.5 U
1,2-Dibromoethane		1500 U	0.2 U

QA/QC 12/17/2002

AIR ANALYTICAL RESULTS

Former Queen Anne Texaco 211577
631 Queen Anne Avenue North
Seattle, WA

	Sample I.D.	SUMMA 0132	SUMMA 0101
	Concentration	ppb (v)	ppb (v)
Compound Name	**Date**	**10/3/02**	**10/3/02**
EPA METHOD TO-14 Con't			
Chlorobenzene		1500 U	0.2 U
Ethylbenzene		**55000 D**	**10 D**
m/p-Xylene		**360000 D**	**62 D**
o-Xylene		**140000 D**	**26 D**
Styrene		1500 U	0.2 U
1,1,2,2-Tetrachloroethane		1500 U	0.2 U
4-Ethyltoluene		**100000 D**	**16 D**
1,3,5-Trimethylbenzene		**64000 D**	**11 D**
1,2,4-Trimethylbenzene		**110000 D**	**18 D**
1,3-Dichlorobenzene		3800 U	0.5 U
1,4-Dichlorobenzene		3800 U	0.5 U
Benzyl chloride		1500 U	0.2 U
1,2-Dichlorobenzene		3800 U	0.5 U
1,2,4-Trichlorobenzene		7500 U	1 U
Hexachlorobutadiene		3800 U	0.5 U

GROUNDWATER ANALYTICAL RESULTS

Former Queen Anne Texaco 211577
631 Queen Anne Avenue North
Seattle, WA

Sample I.D.	Date	TPH-G (µg/l)	TPH-D (µg/l)	TPH-O (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)
DVP-1	9/12/02	98,100	--	--	7,640	18,600	2,660	15,000
DVP-2	9/12/02	107,000	--	--	13,500	19,100	2,140	12,400
DVP-4*	9/12/02	102,000	--	--	12,300	17,400	1,980	11,500

(--) - Analytical data unavailable due to laboratory processing error.
U - The analyte was not detected at or above the reported value.
* - DVP-4 samples were duplicate of DVP-2

SOIL ANALYTICAL RESULTS

Former Queen Anne Texaco 211577
631 Queen Anne Avenue North
Seattle, WA

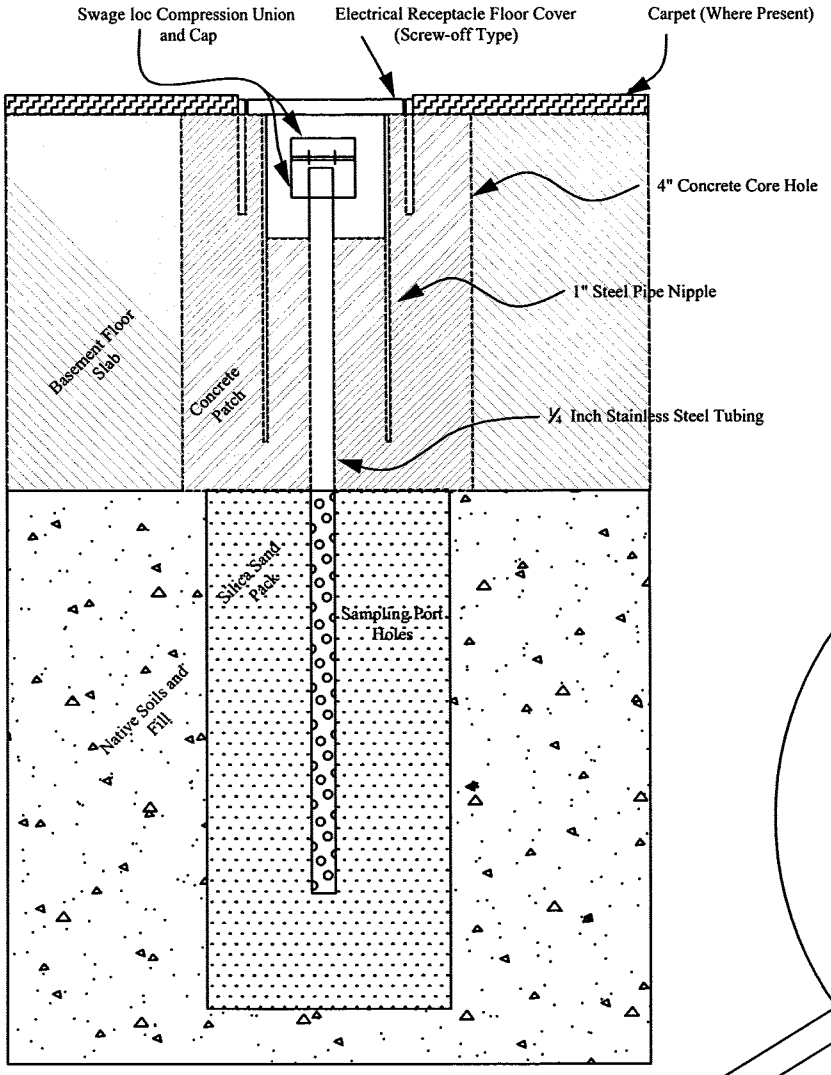
Sample I.D.	Date	TPH-G (mg/kg)	TPH-D (mg/kg)	TPH-O (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total VPH [1] (mg/kg)	Total EPH [2] (mg/kg)
DVP-1-1	9/12/02	1,640	333	ND	0.554	ND	13.3	49.7	1,020	382
DVP-1-6	9/12/02	4,600	1,360	31.8	7.72	84.6	41.9	175	NA	NA
DVP-2-1	9/12/02	5.00U	10.0U	25.0U	0.300U	0.500U	0.500U	0.100U	5.00U	5.00U
DVP-2-6	9/12/02	8,850	2,030	52.4	14.0	157	112	523	4,980	1,950
DVP-4-6*	9/12/02	5,860	2,170	65.0	10.7	101	75.4	370	4,590	2,200
Source Blank [3]	9/12/02	50.00U	--	--	0.500U	0.500U	0.500U	1.00I	--	--
Rinsate Blank [3]	9/12/02	50.00U	--	--	0.500U	0.500U	0.500U	1.00U	--	--
Field Blank [3]	9/12/02	50.00U	--	--	0.500U	0.500U	0.500U	1.00U	--	--
Trip Blank [3]	9/12/02	50.00U	--	--	0.586	0.500U	0.500U	1.00U	--	--

(--) - sample not analyzed.
1 - Total Volatile Petroleum Hydrocarbons (VPH) by WDOE policy method VPH reported is total for C5 through C13 Aliphatics and Aromatics.
2 - Total Extractable Petroleum Hydrocarbons (EPH) by WDOE policy method EPH reported is total for C8 through C34 Aliphatics and Aromatics.
3 - Results are for water and reported as ug/L
U - The analyte was not detected at or above the reported value.
* - DVP-4 samples were duplicate of DVP-2

SOIL ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
Former Queen Anne Texaco 211577
631 Queen Anne Avenue North
Seattle, WA

Sample I.D.	DVP-1-1 (B210261-01)	DVP-1-1 (B210261-01RE1)	DVP-1-1 (B210261-01RE2)	DVP-2-1 (B210261-03)
Date Sampled	9/12/02	9/12/02	9/12/02	9/12/02
Reporting Units	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
n-Butylbenzene	33.7	23.7	36.8	0.0050U
sec-Butylbenzene	5.74	4.53	10.0U	0.0050U
Ethylbenzene	50.6	41.3	58.0	0.0040U
Isopropylbenzene	7.60	6.06	10.0U	0.0050U
p-Isopropyltoluene	14.3	8.94	13.1	0.0050U
Naphthalene	23.0	16.7	26.8	0.0050U
n-Propylbenzene	47.1	29.9	42.1	0.0050U
Toluene	2.42	2.00U	10.0U	0.00176
1,2,4-Trimethylbenzene	149	189	276	0.0050U
1,3,5-Trimethylbenzene	64.2	58.3	79.2	0.0050U
Total Xylenes	211	229	330	0.100U

U - The analyte was not detected at or above the reported value.
Note: Only those analytes detected in the samples listed at or above the laboratory reporting limits have been included in this table, complete analytical laboratory reports are included as Appendix ___.



DRAWING NOT TO SCALE

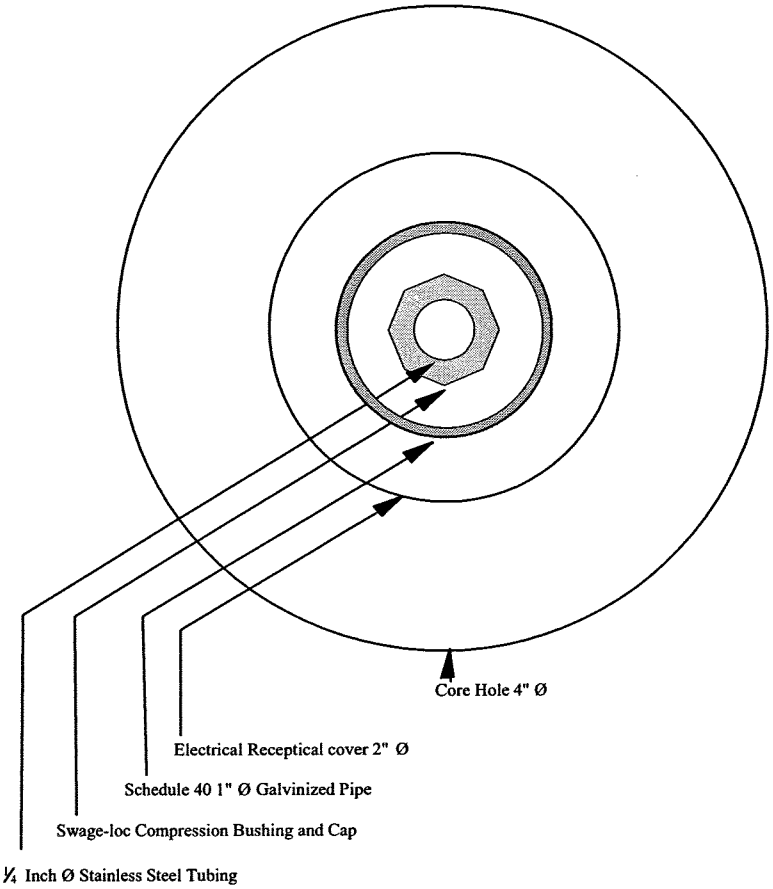


FIGURE 8
SAMPLING PORT
QUEEN ANNE TEXACO
631 QUEEN ANNE NORTH SEATTLE, WASHINGTON

PROJECT NO. TW21-577	DRAWN BY M.S.M. 5/15/2
FILE NO. 21577	PREPARED BY P.H. CATTERALL
REVISION NO.	REVIEWED BY P.H. CATTERALL

Delta Environmental Consultants, Inc.

This Responsiveness Summary addresses the comments received during the public comment period for the past cost consent decree for the Queen Anne Texcaco/Arnold's Mini-Mart Site.

The Queen Anne Texaco/Arnold's Mini-Mart (currently known as the Manhattan Express) is located at 631 Queen Anne Ave. North in Seattle and is the source of gasoline contamination released from underground storage tanks. An adjacent apartment building (Monterey Apartments) has also been impacted by gasoline contamination from Queen Anne Texaco/Arnold's Mini-Mart.

The public was encouraged to comment in writing on the past cost consent decree during a 30-day comment period from October 8, 2001 to November 7, 2001. A mailing list was compiled of businesses, property owners and residents near the site. A fact sheet notifying the public of the opportunity to comment was distributed to persons on the mailing list. In addition, a notice was published in Ecology's Site Register and display advertisements in The Seattle Times.

One written comment was received via e-mail during the public comment period. The comment and Ecology's response is attached.

No substantial changes were made to the past cost consent decree based on the comment received. The past cost consent decree is considered final.

IF YOU HAVE QUESTIONS:

Contact Brian Sato (Site Manager) for questions regarding the consent decree at (425) 649-7265.