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August 30, 2011

Mr. Tom Bauhs
Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, California 94583

Subject: **First Semiannual 2011 Groundwater Monitoring and Sampling Report**
Former Texaco Service Station No. 21-1577
631 Queen Anne Avenue North
Seattle, Washington

Dear Mr. Bauhs:

SAIC Energy, Environment & Infrastructure, LLC (SAIC), on behalf of Chevron Environmental Management Company (CEMC), prepared this letter summarizing the first semiannual 2011 groundwater monitoring and sampling event at former Texaco Service Station No. 21-1577 (the site) in Seattle, Washington (Figure 1).

FIELD ACTIVITIES

Gettler-Ryan Inc. (Gettler-Ryan) conducted the groundwater monitoring and sampling field event on May 9 through May 12, 2011. They collected depth-to-groundwater measurements and checked for the presence of separate-phase hydrocarbons (SPH) in 40 of 41 monitoring wells on site. Measurements were not collected from well MW-11 due to an obstruction at 11 feet.

Groundwater samples were collected from 25 of the 40 monitoring wells and submitted to Lancaster Laboratories, Inc. in Lancaster, Pennsylvania 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 analyses were performed on 20 of these wells for the following monitored natural attenuation (MNA) 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 elevations ranged from 103.52 feet in monitoring well VP-9 to 67.21 feet in monitoring well MW-30, based on an arbitrary benchmark elevation 100 feet. Groundwater potentially flows toward the west-southwest at a gradient of approximately 0.018 to 0.233 feet per foot (Figure 2). Groundwater elevations decreased an average of 0.15 foot since the previous semiannual monitoring event in January 2011.

SPH were not detected in any of the wells monitored.

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

- TPH-GRO were detected in monitoring wells MW-4 and MW-14;
- TPH-DRO were detected in monitoring wells VP-4, MW-4, MW-6, MW-9, MW-14, MW-25, DPE-5, DPE-6, and DPE-8;
- TPH-HRO were detected in monitoring wells VP-4, MW-4, MW-6, and DPE-6; and
- Benzene was detected in monitoring wells MW-4, MW-6, MW-14, MW-18, MW-21, MW-33, DPE-5, and DPE-6.

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 elevations and potential flow direction are consistent with historical data reported at the site.

This groundwater monitoring and sampling effort is the seventh event since the dual-phase extraction (DPE) system was shut down in April 2008. Petroleum-hydrocarbon constituents continue to be detected at concentrations exceeding their MTCA Method A CULs. However, these data indicate that the DPE system was highly effective in reducing the concentration of BTEX and TPH-GRO within the area of influence. A rebound or an increase in concentrations has not occurred since the system was shut down.

Monitoring well MW-33, located in the southwestern corner of the U-Park parking lot, continues to contain the highest concentration of benzene since the DPE system was shut down. This area is the furthest away from the remediation system and source area. Detections in monitoring well MW-33 have been declining in concentrations and are likely remnant dissolved-phase impacts from the source area. Benzene in monitoring well MW-35 has declined to a concentration below the MTCA Method A CUL for the first time. The continued decline of down-gradient, dissolved-phase groundwater impacts is expected because of the cleanup of the up-gradient source area and ongoing natural attenuation of petroleum hydrocarbons present at the site.

Gettler-Ryan will continue to perform groundwater monitoring and sampling on a semiannual basis. The next groundwater monitoring and sampling event is scheduled for November 2011.

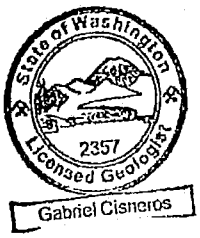
If you have any questions or comments, please contact me at (916) 757-3462 or via email at jenkinsme@saic.com.

Sincerely,

SAIC Energy, Environment & Infrastructure, LLC

Michael E. Jenkins, LG, LHG
Senior Project Manager

Gabriel Cisneros, LG #2357
Geologist



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 Report

cc: Mr. Chris Maurer –Ecology Headquarters Office
P.O. Box 47600, Olympia, WA 98504-7600
Mr. Paul McTaggard – Darco, Inc.
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Mr. Gerry Pigotti – Monterey Apartments, LLC
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Project File

REPORT LIMITATIONS

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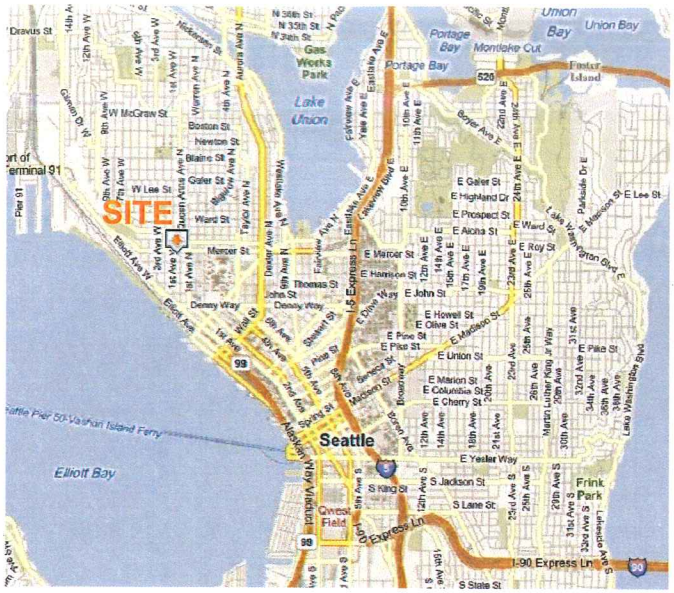
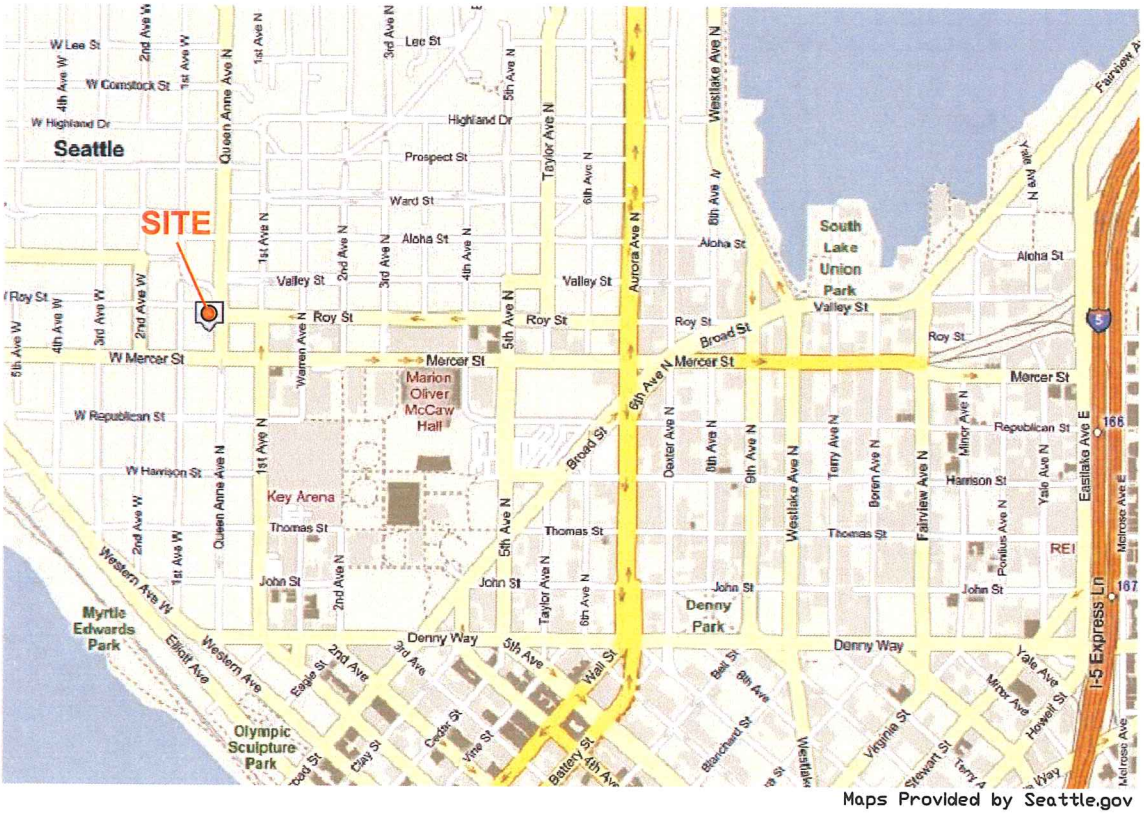
Site history and background information provided in this technical document are based on sources that may include interviews with environmental regulatory agencies and property management personnel and a review of acquired environmental regulatory agency documents and property information obtained from CEMC and others. SAIC 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 SAIC's site visits or site work and cannot be applied to conditions and features of which SAIC is unaware and has not had the opportunity to evaluate.

All sources of information on which SAIC 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 SAIC 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. 21-1577
631 Queen Anne Avenue North
Seattle, Washington

FIGURE 1
Vicinity Map

FILE NAME:	DATE:
211577 Vicinity Map.dwg	04/20/2011

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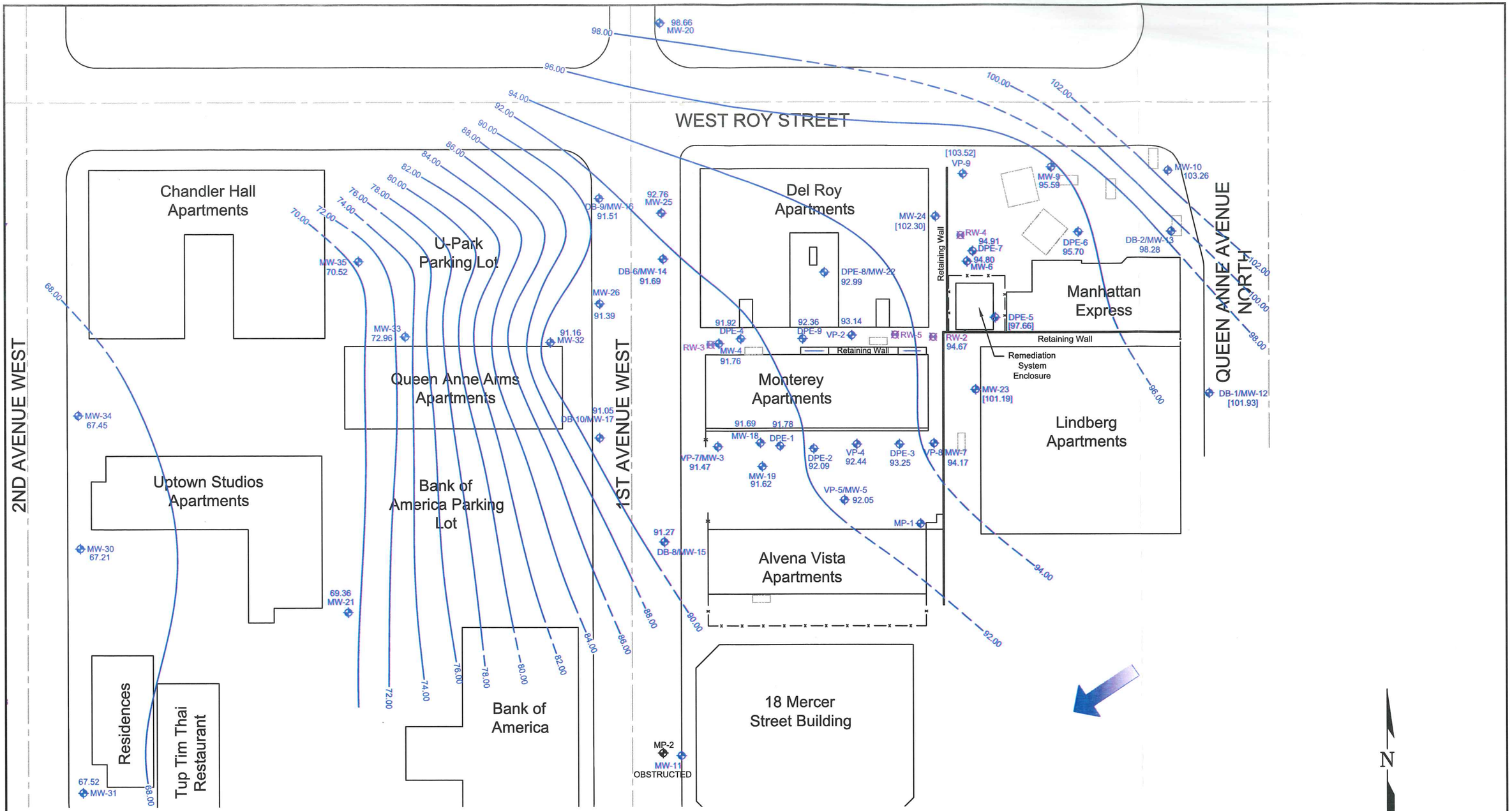

LEGEND:

MW-26	EXISTING 1" or 2" WELL LOCATION	94.67	GROUNDWATER ELEVATION IN FEET
DPE-1	EXISTING 4" DIA. WELL LOCATION	70.00	GROUNDWATER ELEVATION CONTOURS AT A 2 FOOT INTERVAL (DASHED WHERE INFERRED)
RW-2	EXISTING 6" or 8" DIA. RECOVERY WELL LOCATION	[101.19]	GROUNDWATER ELEVATION NOT USED IN CONTOUR MAP, MONITORING WELL LOCATED IN PERCHED ZONE
x	FENCE		APPROXIMATE GROUNDWATER FLOW DIRECTION AT A GRADIENT OF 0.018 TO 0.233
	STREET CENTER LINE		

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0 50' 100'

Former Texaco Service Station No. 21-1577
631 Quenn Anne Avenue North
Seattle, Washington

FIGURE 2
Potentiometric Map
May 9, 2011

FILE NAME: 211577_BaseMap_2008.dwg

DATE: 08/24/2011

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1577
631 Queen Anne Avenue North
Seattle, Washington
Concentrations reported in µg/L

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

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631 Queen Anne Avenue North
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Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
VP-2 (cont)														
07/27-28/05		105.11	--	13.75	0.00	91.36	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05		105.11	DRY	--	--	--	--	--	--	--	--	--	--	--
02/22/06		105.11	--	12.02	0.00	93.09	--	--	--	--	--	--	--	--
04/17/06		105.11	--	DRY	0.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
10/17/06		105.11	--	14.66	0.00	90.45	--	--	--	--	--	--	--	--
04/17/07		105.11	--	DRY	0.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
12/04/07		105.11	--	14.70	0.00	90.41	--	--	--	--	--	--	--	--
04/28/08		105.11	--	14.65[23]	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	--[28]	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--
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														

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Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
VP-4														
06/13/00		103.35	--	--	--	--	**1,850**	<552[23]	**26,400**	**1,020**	**3,270**	**809**	**6,160**	--
07/24/02		103.35	--	11.89	0.00	91.46	**78,000**[1]	<9,700[1,23]	**89,000**	**7,300**	**7,500**	**1,900**	**13,000**	**28.0**
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**[1]	<2,300[1,23]	150	1.7	2.6	1	20	4.0[16]
07/15-16/04		103.35	--	12.62	0.00	90.73	**18,600**[1]	**789**[1,2]	**32,200**	**2,230**	746	212	**3,710**	8.9[16]
08/03/04[8]		103.35	--	12.91	0.00	90.44	--	--	--	--	--	--	--	--
10/28-11/01/04		103.35	--	12.98	0.00	90.37	**330,000**[1]	<100,000[1,23]	**48,000**	**2,500**	**1,400**	560	**5,400**	--
01/24-31/05		103.35	--	12.38	0.00	90.97	**110,000**[1]	<9,500[1,23]	**19,000**	**360**	750	89	**2,000**	--
04/18-21/05	NP	103.35	--	12.14	0.00	91.21	**46,000**[1]	<10,000[1,23]	**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	0.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
12/04/07		103.35	--	DRY	0.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/28/08		103.35	--	DRY	0.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
11/03/08		103.35	--	DRY	0.00	--	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	LFP	103.35	--	11.32	0.00	92.03	**13,000**[1]	**2,600**[1]	640	2	0.7	0.8	6	--
01/17-20/11	LFP	103.35	--	10.92	0.00	92.43	**8,500**[1]	**2,300**[1]	350	0.7	<0.5	<0.5	3	--
05/10-12/11	LFP	103.35	--	10.91	0.00	92.44	**2,200**[1]	**510**[1]	280	1	<0.5	0.6	7	--
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**	--
06/13/00		102.91	--	--	--	--	**1,340**	<1,120[23]	**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**[1]	<500[1]	**15,900**	**318**	49.3	**880**	**1,870**	2.29[15]

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TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1577
631 Queen Anne Avenue North
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
VP-5/MW-5 (cont)														
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**[1]	270[1]	**22,000**	**330**	76	**1,000**	**2,200**	2.4[16]
01/21-23/04		102.63	--	11.91	0.00	90.72	**1,500**[1]	310[1]	**19,000**	**310**	100	**980**	**1,600**	1.7[16]
04/29-30/04		102.63	--	11.80	0.00	90.83	**1,400**[1]	400[1]	**3,500**	**61**	13	190	180	<0.99[16]
07/15-16/04		102.63	--	12.22	0.00	90.41	<250[1]	<500[1]	**7,900**	**58.3**	18.4	384	475	<1.00[16]
08/03/04[8]		102.63	--	12.52	0.00	90.11	--	--	--	--	--	--	--	--
10/28-11/01/04		102.63	--	12.57	0.00	90.06	**710**[1]	<200[1]	**19,000**	**98**	56	860	**1,600**	--
01/24-31/05	LFP	102.63	--	11.96	0.00	90.67	**910**[1]	<250[1]	**16,000**	**86**	60	**770**	**1,300**	--
04/18-21/05	LFP	102.63	--	11.75	0.00	90.88	**3,100**[1]	<250[1]	**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	0.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
12/04/07		102.63	--	DRY	0.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/28/08		102.63	--	DRY	0.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
11/04/08		102.63	--	14.3	0.00	88.33	160	<66	110	<0.5	<0.5	<0.5	0.8	--
04/13-16/09	LFP	102.63	--	13.56	0.00	89.07	**860**	130	99	<0.5	<0.5	0.7	2	--
10/12-15/09	LFP	102.63	--	12.92	0.00	89.71	**1,900**	**2,100**	380	1	0.6[29]	0.9	2	--
04/19-22/10	LFP	102.63	--	11.02	0.00	91.61	200[1]	<73[1]	120	0.7	<0.5	<0.5	<0.5	--
01/17-20/11	LFP	102.63	--	10.47	0.00	92.16	140[1]	360[1]	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	LFP	102.63	--	10.58	0.00	92.05	310[1]	<67[1]	80	0.8	<0.5	<0.5	<0.5	--
VP-6														
NOT MONITORED/SAMPLED, REPLACED BY WELL DPE-1, SEE DPE-1 FOR VP-6 DATA														
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	--	NM	--	--	--	--	**33,000**	**11,700**	**2,330**	**1,070**	**4,130**	--
01/97		100.48	--	NM	--	--	--	--	**51,000**	**12,400**	**5,200**	**990**	**5,200**	--
04/97		100.48	--	NM	--	--	--	--	**53,000**	**11,100**	**4,800**	**1,400**	**7,600**	--
07/97		100.48	--	NM	--	--	--	--	**37,000**	**11,000**	**3,700**	**1,500**	**7,100**	--
11/97		100.48	--	NM	--	--	--	--	**34,000**	**15,900**	**3,600**	**1,500**	**6,600**	--

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FORMER TEXACO SERVICE STATION NO. 21-1577
631 Queen Anne Avenue North
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
VP-7/MW-3 (cont)														
12/14/99		100.48	--	NM	--	--	**3,310**	<500	**73,400**	**16,800**	**9,670**	**1,890**	**10,500**	--
06/14/00		100.48	--	NM	--	--	**931**	<1,460[23]	**54,400**	**10,000**	**8,230**	**1,380**	**7,470**	--
07/24/02		100.40	--	9.74	0.00	90.66	**5,800**[1]	**580**[1]	**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**[1]	**510**[1,2]	**71,600**	**11,100**	**5,880**	**1,940**	**10,800**	2.40
01/21/03		100.40	--	10.29	0.00	90.11	**714**[1,4]	<500[1]	**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**[1]	**520**[1]	**61,000**	**10,000**	**4,500**	**2,000**	**10,000**	1.8[16]
01/21-23/04		100.40	--	10.09	0.00	90.31	<250[1]	<250[1]	**1,700**	**660**	69	70	350	<1.2[16]
04/29-30/04		100.40	--	9.96	0.00	90.44	<800[1,23]	<1,000[1,23]	<50	**28**	1.7	1.8	6.0	<0.99[16]
07/15-16/04		100.40	--	10.38	0.00	90.02	342[1]	<500[1]	**36,800**	**9,900**	985	**1,270**	**2,770**	<1.00[16]
08/03/04[8]		100.40	--	10.66	0.00	89.74	--	--	--	--	--	--	--	--
10/28-11/01/04		100.40	--	10.76	0.00	89.64	**850**[1]	<1,000[1]	100	**250**	<0.5	<0.5	1.6	--
01/24-31/05	LFP	100.40	--	10.13	0.00	90.27	390[1]	<250[1]	**21,000**	**4,900**	**1,900**	**890**	**3,200**	--
04/18-21/05	LFP	100.40	--	9.97	0.00	90.43	**4,000**[1]	<580[1]	**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	0.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
12/04/07		100.40	--	DRY	0.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/28/08		100.40	--	DRY	0.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
11/03/08		100.40	--	DRY	0.00	--	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	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--
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	--	NM	--	--	--	--	**3,100**	2.5	1.2	3	16	--
01/97		104.88	--	NM	--	--	--	--	**8,000**	**816**	824	26	594	--
04/97		104.88	--	NM	--	--	--	--	**18,000**	**605**	786	119	**1,774**	--

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631 Queen Anne Avenue North
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Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
VP-8/MW-7 (cont)														
07/97		104.88	--	NM	--	--	--	--	**9,100 J**	**96**	246	52	980	--
11/97		104.88	--	NM	--	--	--	--	**830 J**	**5.6**	7	11	32.6	--
12/15/99		104.88	--	NM	--	--	**2,780**	<500	**7,640**	**540**	927	201	**1,430**	--
06/13/00		104.88	--	NM	--	--	**2,280**	<1,100[23]	233	1.10	1.81	1.95	7.99	--
07/24/02		104.88	--	11.70	0.00	93.18	**1,800**[1]	420[1]	**1,500**	**9.4**	9.2	34	50	11.4
10/17-18/02		104.88	--	12.78	0.00	92.10	**1,830**[1]	<500[1]	552	**9.75**	1.45	4.25	5.73	1.93
01/21/03		104.88	--	12.63	0.00	92.25	**1,120**[1]	<500[1]	**1,910**	**139**	291	59.1	216	8.33
04/23-24/03		104.88	--	10.72	0.00	94.16	**800**[1]	<500[1]	700	**65.6**	35.7	22.9	69.8	3.73[16]
06/30-07/01/03		104.88	--	12.45	0.00	92.43	**939**[1]	<500[1]	379	2.68	1.57	3.70	4.69	2.06[16]
10/01-02/03		104.88	--	13.49	0.00	91.39	**19,000**[1]	**2,100**[1]	290	3.4	1.2	5.8	11	2.4[16]
01/21-23/04		104.88	--	12.16	0.00	92.72	**3,400**[1]	**620**[1]	89	<0.5	<0.5	<0.5	<1.5	3.2[16]
04/29-30/04		104.88	--	11.91	0.00	92.97	**620**[1]	<250[1]	460	0.6	<0.5	1.6	<3.0	<0.99[16]
07/15-16/04		104.88	--	12.76	0.00	92.12	**528**[1]	<500[1]	430	0.985	<0.500	1.50	2.40	<1.00[16]
08/03/04[8]		104.88	--	12.94	0.00	91.94	--	--	--	--	--	--	--	--
10/28-11/01/04		104.88	--	13.09	0.00	91.79	**130,000**[1]	<20,000[1]	210	2.7	0.7	2.6	9.9	--
01/24-31/05	LFP	104.88	--	12.49	0.00	92.39	<250[1]	<250[1]	450	**5.1**	9.9	3.2	21	--
04/18-21/05	LFP	104.88	--	12.30	0.00	92.58	<250[1]	<250[1]	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	--	--	--	--	--	--	--	--
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	0.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/28-29/08		104.88	--	15.23[24]	0.00	89.65	<76	<95	390	<0.5	<0.5	<0.5	<0.5	--
12/11/08[26]		104.88	--	13.98	0.00	90.90	71	<74	370	<0.5	<0.5	<0.5	<0.5	--
04/13-16/09	LFP	104.88	--	12.45	0.00	92.43	180	<71	**1,100**	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	LFP	104.88	--	13.10	0.00	91.78	89	<70	200	<0.5	<0.5	<0.5	<0.5	--
04/19-22/10	LFP	104.88	--	11.15	0.00	93.73	**970**[1]	210[1]	190	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11	LFP	104.88	--	10.28	0.00	94.60	460[1]	**660**[1]	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	LFP	104.88	--	10.71	0.00	94.17	140[1]	<69[1]	220	<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[23]	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**[1]	**786**[1,2]	**1,910**	**11.3**	2.62	8.86	14.7	<1.00

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Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
VP-9 (cont)														
01/21/03		112.35	INACCESSIBLE - VEHICLE PARKED OVER WELL				--	--	--	--	--	--	--	--
04/23-24/03		112.35	--	8.28	0.00	104.07	<250[1]	<500[1]	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[16]
06/30-07/01/03		112.35	--	9.74	0.00	102.61	<250[1]	<500[1]	681	1.22	0.735	5.07	3.28	<1.00[16]
10/01-02/03		112.35	--	11.72	0.00	100.63	**5,400**[1]	**1,300**[1]	**1,600**	**5.3**	1.4	2.3	<10	--[17]
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]	**<1,000**[1,23]	750	0.8	<0.5	13	<1.5	<0.99[16]
07/15-16/04		112.35	--	11.15	0.00	101.20	259[1]	<500[1]	**1,270**	1.67	0.699	2.79	5.77	<1.00[16]
08/03/04[8]		112.35	--	12.50	0.00	99.85	--	--	--	--	--	--	--	--
10/28-11/01/04		112.35	--	9.82	0.00	102.53	<800[1,23]	<1,000[1,23]	610	<0.5	<0.5	<0.5	<1.5	--
01/24-31/05	LFP	112.35	--	10.30	0.00	102.05	<250[1]	<250[1]	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	0.00	--	--	--	--	--	--	--	--	--
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	0.00	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--
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 E**	**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[23]	**74,400**	**14,400**	**9,440**	**1,840**	**10,800**	--
07/24/02		102.07	--	11.18	0.00	90.89	**10,000**[1]	**680**[1]	**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**[1]	**697**[1,2]	**110,000**	**14,500**	**11,600**	**2,630**	**15,200**	10.7[15]
10/17-18/02 (D)		102.07	--	--	--	--	**7,100**[1]	<500[1]	**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**[1,5]	<500[1]	**80,000**	**10,700**	**10,100**	**1,920**	**11,700**	14.5

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631 Queen Anne Avenue North
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Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
MW-4 (cont)														
04/23-24/03		102.07	--	11.03	0.00	91.04	**1,680**[1]	<500[1]	**79,300**	**8,990**	**7,350**	**1,780**	**10,300**	5.74[16]
06/30-07/01/03		102.07	--	11.55	0.00	90.52	**3,910**[1]	<500[1]	**108,000**	**12,100**	**11,200**	**2,630**	**15,300**	7.85[16]
10/01-02/03		102.07	--	12.46	0.00	89.61	**3,800**[1]	<500[1]	**100,000**	**9,700**	**11,000**	**2,000**	**12,000**	7.1[16]
01/21-23/04		102.07	--	11.59	0.00	90.48	**62,000**[1]	**2,800**[1]	**93,000**	**11,000**	**10,000**	**1,800**	**12,000**	6.7[16]
04/29-30/04		102.07	--	11.48	0.00	90.59	**13,000**[1]	**610**[1]	**80,000**	**8,900**	**8,200**	**1,600**	**11,000**	14.3[16]
07/15-16/04		102.07	--	11.88	0.00	90.19	**943**[1]	<500[1]	**100,000**	**10,300**	**7,600**	**2,090**	**13,300**	9.06[16]
08/03/04[8]		102.07	--	12.09	0.00	89.98	--	--	--	--	--	--	--	--
10/28-11/01/04		102.07	--	12.26	0.00	89.81	**7,500**[1]	<1,000[1,23]	**71,000**	**9,000**	**5,900**	**2,000**	**12,000**	--
01/24-31/05	LFP	102.07	--	11.68	0.00	90.39	**1,500**[1]	<250[1]	**56,000**	**8,900**	**5,100**	**1,700**	**9,600**	--
04/18-21/05	LFP	102.07	--	11.47	0.00	90.60	**3,700**[1]	<510[1]	**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		--	--	--	--	--	--
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	0.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/28/08		101.95	--	17.21[24]	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	LFP	101.95	--	12.23	0.00	89.72	**9,700**	<340	**1,500**	**22**	0.7	0.6	4	--
10/12-15/09	LFP	101.95	--	12.48	0.00	89.47	**11,000**	<720	**3,100**	**25**	2[30]	3	8	--
04/19-22/10	LFP	101.95	--	10.60	0.00	91.35	**7,200**[1]	**680**[1]	**1,400**	**550**	3	8	8	--
01/17-20/11	LFP	101.95	--	10.07	0.00	91.88	**4,300**[1]	**1,800**[1]	**1,600**	**25**	0.7	2	2	--
05/10-12/11	LFP	101.95	--	10.19	0.00	91.76	**8,100**[1]	**1,100**[1]	**3,100**	**52**	2	3	6	--
MW-6														
11/03/86		113.71	22.03	24.29	2.26	91.23	--	--	--	--	--	--	--	--
09/90		113.38	21.14	21.95	0.81	92.08	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--
10/95		113.38	--	NM	--	--	--	--	**62,000**	**12,000 E**	**13,800 E**	**920**	**5,690**	--
01/97		113.38	--	NM	--	--	--	--	**54,000**	**7,290**	**12,400**	**2,340**	**19,800**	--
07/24/02		113.32	--	19.76	0.00	93.56	**29,000**[1]	<10,000[1,23]	**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					--	--	--

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Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
MW-6 (cont)														
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[12]		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**[1]	<500[1]	**46,600**	**9,610**	**3,190**	**758**	**3,060**	1.69[16]
08/03/04[8]		113.32	--	20.65	0.00	92.67	--	--	--	--	--	--	--	--
10/28-11/01/04		113.32	--	20.93	0.00	92.39	**9,200**[1]	<960[1,23]	**24,000**	**8,600**	**2,800**	690	**3,100**	--
01/24-31/05	LFP	113.32	--	20.38	0.00	92.94	**11,000**[1]	<480[1]	**5,600**	**220**	60	110	310	--
04/18-21/05	LFP	113.32	--	20.31	0.00	93.01	**7,700**[1]	<1,000[1,23]	**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[23]	**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	0.00	--	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	--	--	0.00	--	**3,200**	<660	<50	0.6	<0.5	<0.5	<0.5	--
04/13-16/09	LFP	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	--	--	0.00	--	--	--	**1,000**	**30**	0.8	2	3	--
10/12-15/09	LFP	113.12	--	20.28	0.00	92.84	**5,100**	<660	**1,200**	**16**	1[30]	0.5	2	--
10/12-15/09 (D)		113.12	--	--	0.00	--	--	--	**1,200**	**16**	0.9[30]	<0.5	1	--
04/19-22/10	LFP	113.12	--	18.83	0.00	94.29	--[6]	--[6]	630	**20**	0.7	<0.5	0.6	--
04/19-22/10 (D)		113.12	--	--	0.00	--	--	--	650	**24**	0.9	0.6	1	--
01/17-20/11		113.12	--	18.24	0.00	94.88	**12,000**[1]	**4,600**[1]	90	4	<0.5	<0.5	<0.5	--
01/17-20/11 (D)		113.12	--	--	0.00	--	--	--	130	3	<0.5	<0.5	<0.5	--
05/10-12/11		113.12	--	18.32	0.00	94.80	**12,000**[1]	**1,500**[1]	600	**12**	0.7	1	0.9	--
05/10-12/11 (D)		113.12	--	--	0.00	--	--	--	560	**12**	0.6	1	0.9	--
MW-6-FB														
11/10/08		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/13-16/09		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09		--	--	--	--	--	--	--	<50	<0.5	0.9[31]	<0.5	<0.5	--
05/10-12/11		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--

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Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
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	--	--	--	--	--	--	--	--
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**[1]	**671**[1,2]	**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**[1]	<500[1]	**6,760**	**388**	15.9	277	105	1.31[16]
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**[1]	<5,000[1,23]	**3,500**	**110**	30	100	<100	3.9[16]
01/21-23/04		114.27	--	20.36	0.00	93.91	**100,000**[1]	<5,100[1,23]	**2,300**	**7.2**	2.4	45	19	5.5[16]
04/29-30/04		114.27	--	20.38	0.00	93.89	**92,000**[1]	<5,000[1,23]	**1,200**	2.0	1.2	10	7.8	4.8[16]
07/15-16/04		114.27	--	20.71	0.00	93.56	**2,540**[1]	<500[1]	**9,540**	3.84	10.4	25.9	31.6	2.54[16]
08/03/04[8]		114.27	--	20.92	0.00	93.35	--	--	--	--	--	--	--	--
10/28-11/01/04		114.27	--	21.22	0.00	93.05	**3,900**[1]	420[1]	300	1.4	0.5	1.9	<3.0	--
01/24-31/05	LFP	114.27	--	20.66	0.00	93.61	**140,000**[1]	<5,300[1,23]	730	1.7	<1.0	2.7	<6.0	--
04/18-21/05	LFP	114.27	--	20.59	0.00	93.68	**14,000**[1]	<630[1,23]	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[23]	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	LFP	114.27	--	24.60	0.00	89.67	**1,100**	69	160	0.7	<0.5	<0.5	<0.5	--

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Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
MW-9 (cont)														
10/12-15/09	LFP	114.27	--	20.67	0.00	93.60	**960**	<66	83	<0.5	<0.5	<0.5	<0.5	--
04/19-22/10	LFP	114.27	--	19.04	0.00	95.23	**1,200**[1]	190[1]	130	1	<0.5	<0.5	<0.5	--
01/17-20/11	LFP	114.27	--	18.65	0.00	95.62	**6,400**[1]	**1,400**[1]	280	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	LFP	114.27	--	18.68	0.00	95.59	**2,200**[1]	260[1]	160	<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[1]	**600**[1]	240	2.5	<0.50	<1.0	<1.5	1.3
10/17-18/02		115.28	--	13.59	0.00	101.69	**667**[1]	<500[1]	490	3.42	<0.500	1.34	5.00	<1.00
01/21/03		115.28	--	12.46	0.00	102.82	<250[1]	<500[1]	416	3.44	0.550	0.519	3.24	<1.00
04/23-24/03		115.28	--	11.76	0.00	103.52	--[6]	--[6]	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[16]
06/30-07/01/03		115.28	--	12.91	0.00	102.37	<250[1]	<500[1]	255	2.01	<0.500	0.535	2.53	<1.00[16]
10/01-02/03		115.28	--	13.68	0.00	101.60	<250[1]	<250[1]	190	2.6	<0.5	0.5	<3.0	<1.2[16]
01/21-23/04		115.28	--	11.99	0.00	103.29	<250[1]	<250[1]	<50	<0.5	<0.5	<0.5	<1.5	<1.2[16]
04/29-30/04		115.28	--	13.23	0.00	102.05	<250[1]	<250[1]	<50	1.5	<0.5	<0.5	<1.5	<0.99[16]
07/15-16/04		115.28	--	13.44	0.00	101.84	<250[1]	<500[1]	362	2.75	<0.500	0.549	3.45	<1.00[16]
08/03/04[8]		115.28	--	13.53	0.00	101.75	--	--	--	--	--	--	--	--
10/28-11/01/04		115.28	--	13.31	0.00	101.97	<82[1]	<100[1]	210	4.1	<0.5	1.2	2.1	--
01/24-31/05	LFP	115.28	--	12.36	0.00	102.92	<250[1]	<250[1]	<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	--	--	--	--	--	--	--	--
10/17/06		115.28	--	14.68	0.00	100.60	--	--	--	--	--	--	--	--

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TABLE 1
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FORMER TEXACO SERVICE STATION NO. 21-1577
631 Queen Anne Avenue North
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
MW-10 (cont)														
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[2]	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	LFP	115.28	--	12.11	0.00	103.17	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	LFP	115.28	--	12.23	0.00	103.05	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
04/19-22/10	LFP	115.28	--	11.93	0.00	103.35	<31[1]	<73[1]	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11	LFP	115.28	--	10.62	0.00	104.66	<59[1,32]	250[1,32]	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	LFP	115.28	--	12.02	0.00	103.26	<30[1]	<69[1]	<50	<0.5	<0.5	<0.5	<0.5	--
MW-11														
03/26-28/91		97.32	--	11.7	0.00	85.62	--	--	--	<5	<5	<5	<5	--
07/24/02		--	--	11.16	0.00	--	<250[1]	<250[1]	<50	<0.50	<0.50	<0.50	<1.5	<1.2
10/17-18/02		--	--	11.43	0.00	--	<250[1]	<500[1]	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00
01/21/03		--	--	11.29	0.00	--	<250[1]	<500[1]	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00
04/23-24/03		--	--	11.09	0.00	--	<250[1]	<500[1]	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[16]
06/30-07/01/03		--	--	11.39	0.00	--	<250[1]	<500[1]	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[16]
10/01-02/03		--	--	12.10	0.00	--	<250[1]	<250[1]	<50	<0.5	<0.5	<0.5	<1.5	<1.2[16]
01/21-23/04		--	--	11.69	0.00	--	<250[1]	<250[1]	<50	<0.5	<0.5	<0.5	<1.5	<1.2[16]
04/29-30/04		--	--	11.41	0.00	--	<250[1]	<250[1]	<50	<0.5	<0.5	<0.5	<1.5	<0.99[16]
07/15-16/04		--	--	11.58	0.00	--	<250[1]	<500[1]	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[16]
08/03/04[8]		97.32	--	11.65	0.00	85.67	NOT SAMPLED		--	--	--	--	--	--
10/28-11/01/04		97.32	--	11.73	0.00	85.59	<78[1]	<98[1]	<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						--	--	--	--	--	--
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		--	--	--	--	--	--	--	--	--	--

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631 Queen Anne Avenue North
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Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
MW-12														
10/17-18/02		113.36	--	12.22	0.00	101.14	<250[1]	<500[1]	<50.0	0.516	0.869	<0.500	<1.00	--
01/21/03		113.36	--	11.72	0.00	101.64	<250[1]	<500[1]	<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[1]	<500[1]	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[16]
06/30-07/01/03		113.36	--	11.32	0.00	102.04	**1,690**[1]	<500[1]	**1,040**	2.91	1.05	10.0	26.5	<1.00[16]
10/01-02/03		113.36	--	12.12	0.00	101.24	470[1]	<250[1]	69	1.2	<0.5	<0.5	<1.5	<1.2[16]
01/21-23/04		113.36	--	10.02	0.00	103.34	**1,500**[1]	**5,700**[1]	<50	<0.5	<0.5	<0.5	<1.5	<1.2[16]
04/29-30/04		113.36	--	10.59	0.00	102.77	260[1]	440[1]	<50	<0.5	<0.5	<0.5	<1.5	<0.99[16]
07/15-16/04		113.36	--	11.44	0.00	101.92	<250[1]	<500[1]	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[16]
08/03/04[8]		113.36	--	12.55	0.00	100.81	NOT SAMPLED		--	--	--	--	--	--
10/28-11/01/04		113.36	--	12.03	0.00	101.33	<250[1]	<250[1]	<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[24]	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	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--
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[8]		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					--	--	--

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Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
MW-13 (cont)														
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[24]	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	--	--	--	--	--	--	--	--
MW-14														
10/17-18/02		101.64	--	--	--	--	--	--	--	--	--	--	--	--
11/14/02		101.64	--	11.88	0.00	89.76	**4,710**[1]	<500[1]	**43,100**[3]	**9,900**[3]	**4,930**[3]	**1,540**[3]	**6,020**[3]	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[8,10]		101.64	--	--	--	--	**2,100**[1]	130[1]	**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**[1]	<250[1]	**27,000**	**4,800**	**2,500**	**910**	**3,300**	<0.99[16]
07/15-16/04		101.64	--	11.46	0.00	90.18	**836**[1,4]	<500[1]	**61,800**	**10,400**	**5,550**	**1,350**	**5,890**	<1.00[16]
10/26-27/04[8]		101.64	--	--	--	--	<800[1,23]	<1,000[1,23]	**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	LFP	101.64	--	11.37	0.00	90.27	470[1]	<250[1]	**24,000**	**4,400**	**2,300**	**760**	**3,300**	--
04/18-21/05	LFP	101.64	--	11.19	0.00	90.45	**1,500**[1,19]	<250[1]	**23,000**	**5,000**	**2,500**	**860**	**3,700**	--
07/27-28/05	LFP	101.64	--	11.36	0.00	90.28	**2,300**[1,20]	<250[1]	**24,000**	**5,000**	**2,200**	**760**	**3,300**	--
11/08-10/05	LFP	101.64	--	11.82	0.00	89.82	**2,600**[1,20]	<520[1]	**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[23]	**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**	--

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Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
MW-14 (cont)														
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[24]	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	LFP	101.56	--	12.03	0.00	89.53	**8,800**	<660	**6,200**	**15**	3	11	4	--
10/12-15/09	LFP	101.56	--	12.21	0.00	89.35	**5,200**	<700	**4,000**	**13**	2[29]	8	3	--
04/19-22/10	LFP	101.56	--	10.41	0.00	91.15	**3,200**[1]	350[1]	**1,600**	**16**	2	7	2	--
01/17-20/11	LFP	101.56	--	9.94	0.00	91.62	**3,300**[1]	**840**[1]	**3,000**	**12**	2	3	2	--
05/10-12/11	LFP	101.56	--	9.87	0.00	91.69	**2,500**[1]	350[1]	**3,400**	**11**	3	3	8	--
MW-15														
10/17-18/02		99.03	--	--	--	--	--	--	--	--	--	--	--	--
11/14/02		99.03	--	9.44	0.00	89.59	**780**[1]	<500[1]	**3,280**	**1,640**	5.23	5.06	<10.0	1.04
01/21/03		99.03	--	9.29	0.00	89.74	<250[1]	<500[1]	<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[1]	<250[1]	**810**	**1,700**	60	48	110	<1.2[16]
01/21-23/04		99.03	--	8.94	0.00	90.09	<250[1]	<250[1]	<50	<0.5	<0.5	<0.5	<1.5	<1.2[16]
04/29-30/04		99.03	--	8.19	0.00	90.84	**700**[1]	390[1]	<50	<0.5	<0.5	<0.5	<1.5	<0.99[16]
07/15-16/04		99.03	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
08/03/04[8]		99.03	--	13.82	0.00	85.21	--	--	--	--	--	--	--	--
10/26-27/04[8]		99.03	--	--	--	--	<800[1,23]	<1,000[1,23]	**1,700**	**230**	99	99	260	--
10/28-11/01/04		99.03	--	9.65	0.00	89.38	--	--	--	--	--	--	--	--
01/24-31/05	LFP	99.03	--	9.00	0.00	90.03	<250[1]	<250[1]	<50	<0.5	<0.5	<0.5	<1.5	--
04/18-21/05	LFP	99.03	--	8.98	0.00	90.05	<250[1]	<250[1]	<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[24]	0.00	84.35	--	--	--	--	--	--	--	--
12/11/08[26]		99.03	--	11.35	0.00	87.68	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--
04/13-16/09	LFP	99.03	--	9.79	0.00	89.24	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	LFP	99.03	--	10.11	0.00	88.92	**980**	<69	<50	<0.5	<0.5	<0.5	<0.5	--
04/19-22/10	LFP	99.03	--	8.85	0.00	90.18	<29[1]	<67[1]	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11	LFP	99.03	--	8.02	0.00	91.01	100[1,32]	370[1,32]	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	LFP	99.03	--	7.76	0.00	91.27	<32[1]	<75[1]	<50	<0.5	<0.5	<0.5	<0.5	--

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631 Queen Anne Avenue North
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Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
MW-16														
10/17-18/02		101.83	--	--	--	--	--	--	--	--	--	--	--	--
11/14/02		101.83	--	12.36	0.00	89.47	<250[1]	<500[1]	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00
01/21/03		101.83	--	11.88	0.00	89.95	<250[1]	<500[1]	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00
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[8,9]		101.83	--	--	--	--	<160[1]	<200[1]	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[8,9]		101.83	--	--	--	--	<75[1]	<94[1]	150	2.1	<0.5	1.7	<1.5	--
07/15-16/04		101.83	--	11.89	0.00	89.94	<250[1]	<500[1]	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[16]
08/03/04[8]		101.83	--	12.03	0.00	89.80	--	--	--	--	--	--	--	--
10/26-27/04[8]		101.83	--	--	--	--	<800[1,23]	<1,000[1,23]	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	LFP	101.83	--	11.91	0.00	89.92	<250[1]	<250[1]	210	**8.4**	1	6.0	3.2	--
04/18-21/05	LFP	101.83	--	11.69	0.00	90.14	<250[1]	<250[1]	<50	<0.5	<0.5	<0.5	<1.5	--
07/27-28/05	LFP	101.83	--	11.81	0.00	90.02	<250[1]	<250[1]	<50	<0.5	<0.5	<0.5	<1.5	--
11/08-10/05	LFP	101.83	--	12.36	0.00	89.47	<79[1]	<99[1]	<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[24]	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	LFP	101.75	--	12.48	0.00	89.27	<31	<72	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	LFP	101.75	--	12.65	0.00	89.10	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	--
04/19-22/10	LFP	101.75	--	10.85	0.00	90.90	<31[1]	<73[1]	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11	LFP	101.75	--	10.25	0.00	91.50	53[1]	290[1]	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	LFP	101.75	--	10.24	0.00	91.51	<30[1]	<70[1]	<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[1]	<500[1]	**2,780**	**569**	31.0	91.1	250	<1.00
01/21/03		99.29	--	9.62	0.00	89.67	<250[1]	<500[1]	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00
04/23-24/03		99.29	INACCESSIBLE - VEHICLE PARKED OVER WELL				--	--	--	--	--	--	--	--
06/30-07/01/03		99.29	INACCESSIBLE - VEHICLE PARKED OVER WELL				--	--	--	--	--	--	--	--

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Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
MW-17 (cont)														
10/01-02/03		99.29	--	10.30	0.00	88.99	<250[1]	<250[1]	**1,100**	**420**	69	38	130	<1.2[16]
01/21-23/04		99.29	--	9.48	0.00	89.81	<250[1]	<250[1]	<50	1.6	<0.5	<0.5	<1.5	<1.2[16]
04/29-30/04		99.29	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
05/03/04[8,13]		99.29	--	--	--	--	190[1]	<95[1]	**2,300**	**370**	20	89	100	--
07/15-16/04		99.29	--	9.81	0.00	89.48	<250[1]	<500[1]	**1,310**	**171**	8.98	43.1	83.5	**23.7**[16]
08/03/04[8]		99.29	--	9.90	0.00	89.39	--	--	--	--	--	--	--	--
10/28-11/01/04		99.29	--	10.11	0.00	89.18	<400[1]	<500[1]	**5,600**	**1,900**	280	230	700	--
01/24-31/05	PER	99.29	--	9.42	0.00	89.87	<250[1]	<250[1]	310	**160**	4.9	17	27	--
02/17/05[8]		99.29	--	9.37	0.00	89.92	<76[1]	<95[1]	**1,000**	**320**	12	41	52	--
04/18-21/05	LFP	99.29	--	9.32	0.00	89.97	<250[1]	750[1]	<50	**18**	0.6	<0.5	<3.0	--
07/27-28/05	LFP	99.29	--	9.64	0.00	89.65	<250[1]	<250[1]	730	**230**	9.3	17	26	--
11/08-10/05	LFP	99.29	--	9.98	0.00	89.31	<76[1]	<95[1]	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[24]	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	LFP	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	LFP	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	LFP	99.29	--	8.81	0.00	90.48	<31[1]	<71[1]	<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	LFP	99.29	--	8.13	0	91.16	<30[1]	<71[1]	<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	LFP	99.29	--	8.24	0	91.05	<30[1]	<70[1]	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11 (D)		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
MW-17-FB														
11/06/08		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/13-16/09		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09		--	--	--	--	--	--	--	<50	<0.5	1[31]	<0.5	<0.5	--
05/10-12/11		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--

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Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
MW-18														
04/29-30/04		--	--	10.95	0.00	--	**1,700**[1]	<250[1]	**76,000**	**9,200**	**11,000**	**1,400**	**8,400**	<0.99[16]
08/03/04[8]		101.52	--	11.66	0.00	89.86	--	--	--	--	--	--	--	--
10/28-11/01/04		101.52	--	11.72	0.00	89.80	230[1]	<97[1]	**42,000**	**4,700**	**5,400**	**860**	**4,300**	--
01/24-31/05	LFP	101.52	--	11.10	0.00	90.42	270[1]	<250[1]	**24,000**	**2,800**	**3,400**	600	**3,100**	--
04/18-21/05	LFP	101.52	--	10.91	0.00	90.61	**1,500**[1]	<250[1]	**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[24]	0.00	84.76	190	<98	200	**140**	<0.5	<0.5	<0.5	--
12/11/08[26]		101.52	--	13.45	0.00	88.07	**1,900**	<67	790	**32**	0.9	1	1	--
04/13-16/09	LFP	101.52	--	11.81	0.00	89.71	**7,600**	<390	530	4	0.5	<0.5	1	--
10/12-15/09	LFP	101.52	--	12.13	0.00	89.39	**590**	<66	310	**8**	<0.5	<0.5	<0.5	--
04/19-22/10	LFP	101.52	--	10.25	0.00	91.27	**1,000**[1]	<75[1]	91	3	<0.5	<0.5	<0.5	--
01/17-20/11	LFP	101.52	--	9.73	0.00	91.79	270[1]	270[1]	<50	0.6	<0.5	<0.5	<0.5	--
05/10-12/11	LFP	101.52	--	9.83	0.00	91.69	280[1]	<71[1]	220	**11**	<0.5	<0.5	<0.5	--
MW-19														
04/29-30/04		--	--	10.63	0.00	--	**680**[1]	<250[1]	**18,000**	**1,700**	**1,700**	470	**2,400**	<0.99[16]
07/15-16/04		--	--	11.04	0.00	--	--	--	--	--	--	--	--	--
08/03/04[8]		101.18	--	11.31	0.00	89.87	--	--	--	--	--	--	--	--
10/28-11/01/04		101.18	--	11.41	0.00	89.77	270[1]	<100[1]	**21,000**	**1,900**	**1,400**	**880**	**3,500**	--
01/24-31/05	LFP	101.18	--	10.78	0.00	90.40	280[1]	<250[1]	**25,000**	**1,700**	**1,500**	**940**	**3,700**	--
04/18-21/05	LFP	101.18	--	10.61	0.00	90.57	**1,200**[1]	<250[1]	**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		--	--	--	--	--	--
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[24]	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	--	--	--	--	--	--	--	--

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TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1577
631 Queen Anne Avenue North
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
MW-19 (cont)														
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	--	--	--	--	--	--	--	--
MW-20														
10/28-11/01/04		105.64	--	8.91	0.00	96.73	<80[1]	220[1]	<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[24]	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	--	--	--	--	--	--	--	--
MW-21														
08/03/04[8]		94.76	--	25.89	0.00	68.87	--	--	--	--	--	--	--	--
08/12/04[8]		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[1,23]	<1,000[1,23]	**31,000**	**5,200**	730	**1,300**	**4,500**	--
01/24-31/05	LFP	94.76	--	25.85	0.00	68.91	<250[1]	<250[1]	130	**230**	0.6	<0.5	4.3	--
02/17/05[8]		94.76	--	25.82	0.00	68.94	<85[1]	<110[1]	130	**280**	<0.5	<0.5	<1.5	--
04/18-21/05	LFP	94.76	--	25.94	0.00	68.82	<250[1]	<250[1]	110	**230**	<0.5	<0.5	3.9	--
07/27-28/05	LFP	94.76	--	25.75	0.00	69.01	<250[1]	<250[1]	79	**220**	<0.5	<0.5	<3.0	--
11/08-10/05	LFP	94.76	--	25.96	0.00	68.80	<78[1]	<97[1]	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	--

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631 Queen Anne Avenue North
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
MW-21 (cont)														
04/28-05/01/08		94.76	--	26.42[24]	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	LFP	94.76	--	26.11	0.00	68.65	36	<78	89	**120**	<0.5	<0.5	<0.5	--
10/12-15/09	LFP	94.76	--	25.95	0.00	68.81	<29	<68	<50	**88**	<0.5	<0.5	<0.5	--
04/19-22/10	LFP	94.76	--	25.65	0.00	69.11	38[1]	<70[1]	67	**88**	<0.5	<0.5	<0.5	--
01/17-20/11	LFP	94.76	--	25.60	0.00	69.16	140[1]	**630**[1]	60	**100**	<0.5	<0.5	<0.5	--
05/10-12/11	LFP	94.76	--	25.40	0.00	69.36	89[1]	<70[1]	58	**82**	<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[8]		107.82	--	--	--	--	**42,000**[1]	<5,000[1,23]	**57,000**	--	--	--	--	--
10/28/04[8]		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	PER	107.82	--	5.32	0.00	102.50	**13,000**[1]	<4,100[1,23]	**19,000**	**190**	210	**710**	**3,600**	--
04/18-21/05	PER	107.82	--	8.78	0.00	99.04	**2,400**[1]	<250[1]	**54,000**	**630**	**7,000**	**1,700**	**9,200**	--
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[23]	**3,500**	**27**	30	31	310	--
12/06/07		107.82	--	7.85	0.00	99.97	**7,200**	<940[23]	310	<0.5	0.6	16	46	--
04/29/08		107.82	--	8.90[24]	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	--	--	--	--	--	--	--	--
MW-24														
10/26-27/04[8]		107.95	--	--	--	--	<800[1]	<1,000[1,23]	500	--	--	--	--	--
10/28/04[8]		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	PER	107.95	--	5.58	0.00	102.37	<250[1]	<250[1]	<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	--	--	--	--	--	--	--	--

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631 Queen Anne Avenue North
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
MW-24 (cont)														
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[24]	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	--	--	--	--	--	--	--	--
MW-25														
10/26-27/04[8]		--	--	--	--	--	260[1]	<99[1]	**11,000**	--	--	--	--	--
10/28-11/01/04		101.96	--	12.36	0.00	89.60	--	--	--	--	--	--	--	--
01/24-31/05	LFP	101.96	--	11.81	0.00	90.15	440[1]	<250[1]	**7,400**	**6.8**	42	160	**1,100**	--
04/18-21/05	LFP	101.96	--	11.63	0.00	90.33	**2,800**[1,19]	<250[1]	**22,000**	**17**	**300**	750	**3,900**	--
07/27-28/05	LFP	101.96	--	11.73	0.00	90.23	**2,400**[1,20]	<250[1]	**22,000**	<20[23]	210	630	**3,100**	--
11/08-10/05	LFP	101.96	--	12.23	0.00	89.73	**870**[1,20]	<100[1]	**14,000**	<20[23]	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[24]	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	LFP	101.96	--	12.44	0.00	89.52	340	<66	190	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	LFP	101.96	--	12.62	0.00	89.34	440	<70	570	<0.5	<0.5	3	0.7	--
04/19-22/10	LFP	101.96	--	10.80	0.00	91.16	**540**[1]	93[1]	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11	LFP	101.96	--	10.28	0.00	91.68	**670**[1]	180[1]	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	LFP	102.96	--	10.20	0.00	92.76	**560**[1]	180[1]	<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**[1]	<200[1]	**57,000**	**8,300**	**4,300**	**1,600**	**8,700**	--
01/24-31/05	LFP	100.47	--	10.59	0.00	89.88	<250[1]	<250[1]	**3,100**	**310**	190	54	510	--
02/17/05[8]		100.47	--	10.56	0.00	89.91	310[1]	<95[1]	**27,000**	**6,800**	**1,900**	**990**	**4,800**	--
04/18-21/05	LFP	100.47	--	10.39	0.00	90.08	<250[1]	<250[1]	**3,500**	**730**	320	100	660	--
07/27-28/05	LFP	100.47	--	10.55	0.00	89.92	270[1,20]	<250[1]	**5,100**	**1,200**	370	130	880	--
11/08-10/05	LFP	100.47	--	11.02	0.00	89.45	**1,200**[1,20]	<94[1]	**15,000**	**5,700**	850	590	**2,400**	--
02/22/06		100.47	--	9.32	0.00	91.15	--	--	--	--	--	--	--	--

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Seattle, Washington
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Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
MW-26 (cont)														
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	--
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[24]	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	LFP	100.47	--	11.23	0.00	89.24	460	<66	<50	**26**	<0.5	11	<0.5	--
10/12-15/09	LFP	100.47	--	11.41	0.00	89.06	**1,200**	<69	<50	<0.5	<0.5	<0.5	<0.5	--
04/19-22/10	LFP	100.47	--	9.64	0.00	90.83	41[1]	<74[1]	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11	LFP	100.47	--	9.08	0.00	91.39	40[1]	<71[1]	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	LFP	100.47	--	9.08	0.00	91.39	57[1]	<68[1]	<50	<0.5	<0.5	<0.5	<0.5	--
MW-27														
01/24-31/05	LFP	97.26	--	29.81	0.00	67.45	<250[1]	<250[1]	<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	LFP	97.26	--	29.86	0.00	67.40	<250[1]	<250[1]	<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	LFP	87.78	--	21.18	0.00	66.60	<250[1]	<250[1]	<50	<0.5	<0.5	<0.5	<1.5	--
02/10/05[8]		87.78	--	21.17	0.00	66.61	<79[1]	<98[1]	<48	<0.5	<0.5	<0.5	<1.5	--
04/18-21/05	LFP	87.78	--	21.22	0.00	66.56	<250[1]	<250[1]	<50	<0.5	<0.5	<0.5	<1.5	--
07/27-28/05	LFP	87.78	--	21.26	0.00	66.52	<250[1]	<250[1]	<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														

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Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
MW-29														
01/24-31/05	LFP	80.88	--	15.14	0.00	65.74	<250[1]	<250[1]	<50	<0.5	<0.5	<0.5	<1.5	--
04/18-21/05		80.88	--	14.31	0.00	66.57	NOT SAMPLED		--	--	--	--	--	--
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[8]		91.81	--	24.70	0.00	67.11	<77[1]	<96[1]	<48	4.1	<0.5	<0.5	<1.5	--
04/18-21/05	LFP	91.81	--	24.76	0.00	67.05	<250[1]	<250[1]	<50	<0.5	<0.5	<0.5	<1.5	--
07/27-28/05	LFP	91.81	--	24.72	0.00	67.09	<250[1]	<250[1]	<50	<0.5	<0.5	<0.5	<1.5	--
11/08-10/05	LFP	91.81	--	24.82	0.00	66.99	<83[1]	<100[1]	<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	LFP	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	LFP	91.81	--	24.77	0.00	67.04	<29	<68	<50	<0.5	0.5[29]	<0.5	<0.5	--
10/12-15/09 (D)		91.81	--	--	0.00	--	--	--	<50	<0.5	0.6[29]	<0.5	<0.5	--
04/19-22/10	LFP	91.81	--	24.67	0.00	67.14	<30[1]	<71[1]	<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	LFP	91.81	--	24.68	0.00	67.13	67[1]	<69[1]	<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	LFP	91.81	--	24.60	0.00	67.21	51[1]	<71[1]	<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	
MW-30-FB														
11/06/08		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/13-16/09		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09		--	--	--	--	--	--	--	<50	<0.5	1[31]	<0.5	<0.5	--
05/10-12/11		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--

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631 Queen Anne Avenue North
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
MW-31														
02/10/05[8]		87.22	--	19.89	0.00	67.33	<77[1]	<96[1]	<48	<0.5	<0.5	<0.5	<1.5	--
04/18-21/05	LFP	87.22	--	20.02	0.00	67.20	<800[1,23]	<1,000[1,23]	<50	<0.5	<0.5	<0.5	<1.5	--
07/27-28/05	LFP	87.22	--	19.89	0.00	67.33	<250[1]	<250[1]	<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	LFP	87.22	--	20.04	0.00	67.18	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	LFP	87.22	--	19.99	0.00	67.23	<29	<68	<50	<0.5	1[29]	<0.5	<0.5	--
04/19-22/10	LFP	87.22	--	19.80	0.00	67.42	<28[1]	<66[1]	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11	LFP	87.22	--	19.79	0.00	67.43	32[1]	<70[1]	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	LFP	87.22	--	19.70	0.00	67.52	<31[1]	<72[1]	<50	<0.5	<0.5	<0.5	<0.5	--
MW-32														
07/27-28/05	LFP	101.09	--	11.43	0.00	89.66	**1,200**[1,20]	<250[1]	**17,000**	**2,300**	540	630	**2,600**	--
11/08-10/05	LFP	101.09	--	11.81	0.00	89.28	<80[1]	<100[1]	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[23]	**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[24]	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	LFP	101.09	--	12.00	0.00	89.09	330	<67	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	LFP	101.09	--	12.21	0.00	88.88	74	<67	<50	<0.5	0.7[29]	<0.5	<0.5	--
04/19-22/10	LFP	101.09	--	10.44	0.00	90.65	<31[1]	<71[1]	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11	LFP	101.09	--	9.82	0.00	91.27	34[1]	<70[1]	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	LFP	101.09	--	9.93	0.00	91.16	34[1]	<69[1]	<50	<0.5	<0.5	<0.5	<0.5	--
MW-33														
07/27-28/05	LFP	100.31	--	28.33	0.00	71.98	**630**[1,20]	<250[1]	**2,200**	**2,500**	200	93	170	--
11/08-10/05	LFP	100.31	--	28.50	0.00	71.81	340[1,20]	<100[1]	**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	--	--	--	--	--	--	--	--

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Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
MW-33 (cont)														
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[24]	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	LFP	100.36	--	28.95	0.00	71.41	330	<68	**1,800**	**2,500**[27]	73[27]	110[27]	76[27]	--
10/12-15/09	LFP	100.36	--	28.63	0.00	71.73	210	<68	**1,200**	**1,300**	37	78	40	--
04/19-22/10	LFP	100.36	--	27.91	0.00	72.45	270[1]	<72[1]	790	**830**	17	44	20	--
01/17-20/11	LFP	100.36	--	27.75	0.00	72.61	**680**[1]	370[1]	750	**620**	10	64	27	--
05/10-12/11	LFP	100.36	--	27.40	0.00	72.96	480[1]	100[1]	530	**460**	7	56	20	--
MW-34														
11/28/05[8]		--	--	--	--	--	<84[1]	<110[1]	<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	LFP	94.35	--	27.15	0.00	67.20	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	LFP	94.35	--	27.10	0.00	67.25	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
04/19-22/10	LFP	94.35	--	26.96	0.00	67.39	<30[1]	<69[1]	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11	LFP	94.35	--	27.00	0.00	67.35	39[1]	<69[1]	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	LFP	94.35	--	26.90	0.00	67.45	<60[1]	<140[1]	<50	<0.5	<0.5	<0.5	<0.5	--
MW-35														
11/28/05[8]		--	--	--	--	--	280[1,22]	180[1]	250	--	--	--	--	--
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[24]	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	LFP	100.52	--	31.22	0.00	69.30	120	<68	83	**100**	<0.5	<0.5	<0.5	--
10/12-15/09	LFP	100.52	--	30.98	0.00	69.54	50	<68	<50	**58**	<0.5	<0.5	<0.5	--
04/19-22/10	LFP	100.52	--	30.45	0.00	70.07	59[1]	<71[1]	<50	**66**	<0.5	<0.5	<0.5	--
01/17-20/11	LFP	100.52	--	30.43	0.00	70.09	170[1]	220[1]	<50	**5**	<0.5	<0.5	<0.5	--
05/10-12/11	LFP	100.52	--	30.00	0.00	70.52	60[1]	<70[1]	<50	4	<0.5	<0.5	<0.5	--

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Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
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[8]		101.84	--	11.85	0.00	89.99	--	--	--	--	--	--	--	--
10/28-11/01/04		101.84	--	11.99	0.00	89.85	**180,000**[1]	<20,000[1,23]	**81,000**	**7,500**	**9,500**	**1,100**	**9,000**	--
01/24-31/05	LFP	101.84	--	11.37	0.00	90.47	**21,000**[1]	<1,000[1,23]	**19,000**	**1,800**	**1,200**	75	**3,300**	--
04/18-21/05	LFP	101.84	--	11.19	0.00	90.65	**280,000**[1]	<11,000[1,23]	**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	NP	11.76	0.00	90.08	--	--	--	--	--	--	--	--
02/22/06		101.84	Sheen	10.02	0.00	91.82	--	--	--	--	--	--	--	--
04/17/06		101.84	NP	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[23]	650	**20**	4.1	3.7	13	--
04/17-19/07 (D)		101.55	--	--	0.00	--	<1,500	<1,900[23]	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	--	--	0.00	--	490	<200	250	**450**	1	1	2	--
11/03/08		101.63	--	13.50	0.00	88.13	--	--	--	--	--	--	--	--
04/13-16/09[18]		101.63	--	11.84	0.00	89.79	--	--	--	--	--	--	--	--
10/12-15/09[18]		101.63	--	12.05	0.00	89.58	--	--	--	--	--	--	--	--
04/19-22/10[18]		101.63	--	10.26	0.00	91.37	--	--	--	--	--	--	--	--
01/17-20/11[18]		101.63	--	10.56	0.00	91.07	--	--	--	--	--	--	--	--
05/10-12/11[18]		101.63	--	9.85	0.00	91.78	--	--	--	--	--	--	--	--

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Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
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[8]		102.17	--	12.17	0.00	90.00	--	--	--	--	--	--	--	--
10/28-11/01/04		102.17	--	12.12	0.00	90.05	**6,200**[1]	<1,000[1,23]	**48,000**	**2,500**	**3,000**	**940**	**5,400**	--
01/24-31/05	LFP	102.17	--	11.51	0.00	90.66	**870**[1]	<250[1]	**2,200**	**70**	79	13	140	--
04/18-21/05	LFP	102.17	--	11.30	0.00	90.87	290[1]	<250[1]	**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	--	--	--	--	--	--	--	--
10/24/06		102.43	14.20	14.50	0.30	88.17	--	--	--	--	--	--	--	--
04/17/07		102.43	--	15.96	0.00	86.47	**110,000**	<9,500[23]	**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[23]	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[18]	LFP	102.54	--	12.40	0.00	90.14	83	<72	93	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	LFP	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	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--

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FORMER TEXACO SERVICE STATION NO. 21-1577
631 Queen Anne Avenue North
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
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[23]	**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[23]	410	**51**	3	2	23	--
4/30/08 (D)		102.39	--	--	0.00	--	**2,500**	<2,000[23]	390	**51**	3	2	23	--
11/03/08		102.39	--	14.14	0.00	88.25	--	--	--	--	--	--	--	--
04/13-16/09[18]		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	--	--	--	--	--	--	--	--
DPE-5														
11/28/05[8]		--	--	--	--	--	**5,300**[1,20]	<1,000[1]	**36,000**	--	--	--	--	--
01/23/06		113.32	16.70	16.75	0.05	96.61	--	--	--	--	--	--	--	--
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[23]	<250	**32**	4	3	22	--
4/29/08 (D)		113.82	--	--	--	--	**3,300**	<1,900[23]	--	--	--	--	--	--
11/03/08[25]		113.82	--	22.45	0.00	91.37	**12,000**	<3,500[23]	460	**77**	7	4	17	--
04/13-16/09	LFP	113.82	--	14.63	0.00	99.19	**690**	83	110	2	<0.5	1	3	--
10/12-15/09	LFP	113.82	--	18.60	0.00	95.22	**25,000**	<1,400	490	**22**	2[30]	19	10	--
04/19-22/10	LFP	113.82	--	15.92	0.00	97.90	**530**[1]	95[1]	78	2	<0.5	<0.5	0.5	--
01/17-20/11	LFP	113.82	--	13.99	0.00	99.83	**540**[1]	230[1]	<50	<0.5	<0.5	2	1	--
05/10-12/11	LFP	113.82	--	16.16	0.00	97.66	**1,900**[1]	270[1]	520	**18**	4	30	63	--
DPE-6														
11/28/05[8]		--	--	--	--	--	170[1,20]	<100[1]	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[23]	**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	--
4/29/08 (D)		114.14	--	--	--	--	**6,500**	<480	--	--	--	--	--	--
11/04/08		114.14	--	21.30	0.00	92.84	**11,000**	<1,300[23]	**870**	**16**	12	7	63	--

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Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
DPE-6 (cont)														
04/13-16/09	LFP	114.14	--	20.60	0.00	93.54	**16,000**	**880**	**900**	**100**	6	16	24	--
10/12-15/09	LFP	114.14	--	20.51	0.00	93.63	**3,600**	<680	490	**18**	3	8	9	--
04/19-22/10	LFP	114.14	--	19.02	0.00	95.12	**10,000**[1]	**2,000**[1]	680	**44**	3	13	13	--
01/17-20/11	LFP	114.14	--	18.61	0.00	95.53	**16,000**[1]	**27,000**[1]	520	**42**	2	4	6	--
05/10-12/11	LFP	114.14	--	18.44	0.00	95.70	**8,300**[1]	**1,300**[1]	510	**16**	2	5	14	--
DPE-7														
11/28/05[8]		--	--	--	--	--	**6,200**[1,20]	<1,000[1,23]	**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[23]	**3,800**	**78**	40	97	180	--
12/04-05/07		113.15	--	27.52	0.00	85.63	**120,000**	<9,900[23]	760	**44**	1.7	28	15	--
04/28-29/08		113.13	--	22.26	0.00	90.87	**6,100**	<980[23]	<250	**7**	2	2	6	--
4/29/08 (D)		113.13	--	--	--	--	**6,300**	<980[23]	--	--	--	--	--	--
11/03/08		113.13	20.95	20.96	0.01	92.18	--	--	--	--	--	--	--	--
04/13-16/09[18]		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	--	--	--	--	--	--	--	--
DPE-8/MW-22														
10/26-27/04[8]		104.83	--	--	--	--	**5,000**[1]	<1,000[1,23]	**54,000**	--	--	--	--	--
10/28-11/01/04		104.83	--	14.11	0.00	90.72	--	--	--	--	--	--	--	--
01/24-31/05	PER	104.83	--	13.62	0.00	91.21	**980**[1]	<250[1]	**55,000**	**5,200**	**6,300**	**1,500**	**8,800**	--
04/18-21/05	PER	104.83	--	13.72	0.00	91.11	**2,000**[1]	<250[1]	**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	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--
08/31/06		104.83	15.21	16.33	1.12	89.40	--	--	--	--	--	--	--	--
09/15/06		104.83	15.47	16.55	1.08	89.14	--	--	--	--	--	--	--	--
10/17/06		104.35	15.75	17.12	1.37	88.32	--	--	--	--	--	--	--	--
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	--

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Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
DPE-8/MW-22 (cont)														
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[23]	**3,500**	**35**	16	19	140	--
04/13-16/09	LFP	104.49	--	13.87	0.00	90.62	**12,000**	**590**	**2,000**	**7**	1	3	6	--
10/12-15/09	LFP	104.49	--	13.90	0.00	90.59	**3,900**	<680	**940**	**6**	1[30]	0.6	3	--
04/19-22/10	LFP	104.49	--	12.08	0.00	92.41	**2,000**[1]	**510**[1]	88	2	<0.5	<0.5	<0.5	--
01/17-20/11	LFP	104.49	--	11.60	0.00	92.89	**1,400**[1]	**1,100**[1]	<50	0.6	<0.5	<0.5	<0.5	--
05/10-12/11	LFP	104.49	--	11.50	0.00	92.99	**990**[1]	450[1]	120	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[18]		103.46	--	12.30	0.00	91.16	--	--	--	--	--	--	--	--
10/12-15/09[18]		103.46	--	13.56	0.00	89.90	--	--	--	--	--	--	--	--
04/19-22/10[18]		103.46	--	11.51	0.00	91.95	--	--	--	--	--	--	--	--
01/17-20/11[18]		103.46	--	11.63	0.00	91.83	--	--	--	--	--	--	--	--
05/10-212/11[18]		103.46	--	11.10	0.00	92.36	--	--	--	--	--	--	--	--
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	--
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	--

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Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
RW-2														
09/90		104.54	12.68	12.72	0.04	91.85	--	--	--	--	--	--	--	--
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	NP	106.63	--	14.44	0.00	92.19	**988**[1]	<500[1]	**1,380**	**90.5**	8.05	29.2	31.5	2.23
01/21/03	NP	106.63	--	10.61	0.00	96.02	<250[1]	<500[1]	126	**33.5**	0.859	1.28	4.11	<1.00
04/23-24/03		106.63	--	10.30	0.00	96.33	<250[1]	<500[1]	55.7	<0.500	<0.500	0.642	2.64	<1.00[16]
06/30-07/01/03		106.63	--	13.72	0.00	92.91	**505**[1]	<500[1]	**2,380**	**53.5**	8.72	39.8	43.2	1.43[16]
10/01-02/03		106.63	--	15.05	0.00	91.58	**1,400**[1]	<250[1]	**2,300**	**75**	7.3	29	33	4.9[16]
01/21-23/04		106.63	--	10.22	0.00	96.41	<250[1]	<250[1]	53	1.2	0.7	1.3	8.9	<1.2[16]
04/29-30/04		106.63	--	13.31	0.00	93.32	270[1]	<250[1]	81	**11**	0.9	2.0	1.9	<0.99[16]
07/15-16/04		106.63	--	14.41	0.00	92.22	<250[1]	<500[1]	634	**25.7**	2.39	6.18	3.55	<1.00[16]
08/03/04[8]		106.63	--	14.90	0.00	91.73	--	--	--	--	--	--	--	--
10/28-11/01/04		106.63	--	14.68	0.00	91.95	**280,000**[1]	<40,000[1,23]	**26,000**	**410**	63	470	950	--
01/24-31/05	LFP	106.63	--	11.57	0.00	95.06	<250[1]	<250[1]	94	<0.5	<0.5	<2.0	2.5	--
04/18-21/05	LFP	106.63	--	9.18	0.00	97.45	260[1]	<250[1]	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[23]	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[24]	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	LFP	106.63	--	13.80	0.00	92.83	**840**	<65	340	**21**	0.9	0.5	0.8	--
10/12-15/09	LFP	106.63	--	14.75	0.00	91.88	**4,300**	<680	**1,100**	**35**	4	7	11	--
04/19-22/10	LFP	106.63	--	12.56	0.00	94.07	430[1]	240[1]	160	**9**	0.7	<0.5	<0.5	--
01/17-20/11	LFP	106.63	--	9.70	0.00	96.93	270[1]	190[1]	150	<0.5	<0.5	8	16	--
05/10-12/11	LFP	106.63	--	11.96	0.00	94.67	230[1]	91[1]	<50	<0.5	<0.5	<0.5	<0.5	--

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631 Queen Anne Avenue North
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Concentrations reported in µg/L

Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
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**[1]	270[1]	**9,100**	**4,400**	360	520	**1,300**	12.0[16]
04/29-30/04		100.70	--	10.19	0.00	90.51	**5,200**[1]	<250[1]	**11,000**	**5,000**	750	550	**1,600**	10.6[16]
07/15-16/04[18]		100.70	--	10.59	0.00	90.11	**1,300**[1]	**1,330**[1]	**18,900**	**5,350**	341	554	**1,350**	2.32[16]
10/28-11/01/04		100.70	--	10.98	0.00	89.72	**680**[1]	<250[1]	**10,000**	**4,800**	120	680	**1,100**	--
01/24-31/05	LFP	100.70	--	10.49	0.00	90.21	**770**[1]	<250[1]	**6,600**	**3,000**	170	460	940	--
04/18-21/05	LFP	100.70	--	10.17	0.00	90.53	**3,700**[1,19]	<250[1]	**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**[1]	<2,000[1,23]	**990**	**62**	1.3	32	7.0	3.3
10/17-18/02		110.82	--	19.29	0.00	91.53	**8,930**[1]	**939**[1]	**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**[1]	<500[1]	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					--	--	--
10/28/04[8]		110.82	--	18.44	0.00	92.38	--	--	--	--	--	--	--	--
10/28-11/01/04		110.82	DRY	--	--	--	--	--	--	--	--	--	--	--
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						--	--

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631 Queen Anne Avenue North
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Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
RW-4 (cont)														
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**[1]	**3,650**[1]	**3,370**	**696**	67.2	63.0	408	3.91
01/21/03	NP	104.22	--	11.81	0.00	92.41	**1,860**[1]	<500[1]	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**[1]	<500[1]	2,490	**9.73**	13.4	<5.00	870	7.31[16]
06/30-07/01/03		104.22	--	11.91	0.00	92.31	**8,010**[1]	<500[1]	2,170	**34.6**	20.3	8.10	**1,050**	1.98[16]
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**[1]	<250[1]	470	**64**	12	2.5	65	1.6[16]
04/29-30/04		104.22	--	11.88	0.00	92.34	NOT SAMPLED DUE TO WIRE OBSTRUCTIO				--	--	--	--
07/15-16/04[18]		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**[1]	<10,000[1,23]	**890**	**120**	12	11	58	--
01/24-31/05	LFP	104.22	--	11.31	0.00	92.91	**3,200**[1]	360[1]	**880**	**45**	13	6.6	190	--
04/18-21/05	LFP	104.22	--	11.40	0.00	92.82	**1,900**[1,19]	400[1]	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[8]		104.95	DRY	--	--	--	--	--	--	--	--	--	--	--
04/17/06		104.95	--	4.32	0.00	100.63	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED														
MP-2														
07/24/02		--	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
10/17-18/02		--	--	--	--	--	--	--	--	--	--	--	--	--
08/03/04[8]		97.04	--	115.00	0.00	-17.96	--	--	--	--	--	--	--	--
04/17/06		97.04	--	114.56	0.00	-17.52	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED														

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Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
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	--
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[8,11]		--	--	--	--	--	--	--	<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	--
05/03/04[8,11]		--	--	--	--	--	--	--	<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[8]		--	--	--	--	--	--	--	<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[8]		--	--	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	--
02/17/05[8]		--	--	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	--

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Well ID/ Date	Purge Method	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	D. Lead
QA (cont)														
04/18-21/05		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
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[25]		--	--	--	--	--	--	--	<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	--
						Standard Laboratory Reporting Limits:			50	0.5	0.5	0.5	1.5	1.00
						MTCA Method A CULs:	500	500	800/1,000	5	1,000	700	1,000	15
						Current Method:	NWTPH-Dx Extended		NWTPH-Gx and USEPA 8021B					USEPA 7421

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to July 24, 2002, were compiled from reports prepared by SAIC.

Groundwater monitoring data and laboratory analytical results between February 22, 2006, and November 3, 2008, were compiled from reports prepared by SAIC.

Analytical results in bold font indicate concentrations exceed MTCA Method A CULs.

BTEX = Benzene, toluene, ethylbenzene, and total xylenes
CULs = Cleanup levels
(D) = Duplicate
D. Lead = Dissolved Lead
DTSPH = Depth to SPH, from the TOC
DTW/P = Depth to Water or Product
(ft.) = Feet
GWE = Groundwater Elevation
J = Estimated result between the MDL and the laboratory reporting limit
LFP = Low Flow Purge

MDL = Method dectection limit
(msl) = Mean Sea Level
MTBE = Methyl tertiary butyl ether
MTCA = Model Toxics Control Act Cleanup Regulations
NP = No Purge
PER = Peristaltic Pump used for Purging
ppb = Parts per billion
QA = Quality Assurance/Trip Blank
SAIC = SAIC Energy, Environment & Infrastructure, LLC
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
-- = Not Measured/Not Analyzed
µg/L = Micrograms per liter

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TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1577
631 Queen Anne Avenue North
Seattle, Washington
Concentrations reported in µg/L

EXPLANATIONS (cont):

< = 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

* TOC elevations have been surveyed in feet based on an arbitrary benchmark.

** GWE corrected for the presence of SPH; correction factor: [(TOC - DTW) + (SPHT x 0.8)].

*** GWE corrected for the presence of SPH; correction factor: [(TOC - DTP - SPHT) + (SPHT x 0.8)]: Historical data has been altered to correct error in original reporting of depth to product as depth to water. Where SPHT > 0.00, GWE is corrected for the presence of SPH; correction factor: [(TOC - DTW) + (SPHT x 0.8)].

ANALYTICAL METHOD:

TPH-DRO analyzed by ECY 97-602 NWTPH-DX modified Method TPH-Dx with silica-gel cleanup.

TPH-HRO analyzed by ECY 97-602 NWTPH-DX modified Method TPH-Dx with silica-gel cleanup.

TPH-GRO analyzed by ECY 97-602 NWTPH-GX modified Method.

BTEX analyzed by USEPA Method 8260B.

2,600/2,500 = BTEX analyzed by USEPA Methods 8021B and 8260B. Second concentrations listed were obtained by USEPA Method 8260B.

1 Analized with silica-gel cleanup.
2 Laboratory report indicates the heavy oil range organics present are due to hydrocarbons eluting primarily in the diesel range.
3 Laboratory report indicates this sample was received and analyzed unpreserved.
4 Laboratory report indicates results in the diesel organics range are primarily due to overlap from a gasoline range product.
5 Laboratory report indicates the sample chromatographic pattern does not resemble the fuel standard used for quantitation.
6 Sample container broken during transport to laboratory.
7 Laboratory report indicates this sample was analyzed outside of our recommended holding time. See case narrative.
8 Data provided by SAIC.
9 MTBE by USEPA Method 8021 was not detected at or above 10 ppb.
10 MTBE by USEPA Method 8021 was not detected at or above 250 ppb.
11 MTBE by USEPA Method 8021 was not detected at or above 2.5 ppb.
12 Absorbent sock in well.
13 MTBE by USEPA Method 8021 was not detected at or above 50 ppb.
14 Laboratory report indicates the hydrocarbons present are a complex mixture of diesel range and heavy oil range organics.
15 Organic Lead was <300 ppb.
16 Laboratory report indicates this sample was laboratory filtered.
17 Due to limited sample volume; no results will be provided.
18 Pump in well.
19 Laboratory report indicates the observed sample pattern is not typical of diesel/#2 fuel oil.
20 Laboratory report indicates the observed sample pattern includes #2 fuel/diesel and an additional pattern which elutes earlier in the DRO range.
21 Laboratory report indicates the observed sample pattern includes #2 fuel/diesel, additional patterns which elute earlier and later in the DRO range and individual peaks eluting in the DRO range.
22 BTEX by USEPA Method 8260.
23 Laboratory Detection Limit is greater than the MTCA Method A CUL.
24 DTW was adjusted to reflect the difference in measuring tape lengths between different water level meters used to collect DTW measurements across the site.
25 Analyzed for Methyl Tertiary Butyl Ether (MTBE); result = <0.5 µg/L.
26 Resampled at a later date due to original samples not returned to lab for analysis within the sample holding period.
27 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.
28 Insufficient water to determine GWE.
29 The Laboratory report indicates the result reported for toluene in this sample may be attributed to trace amounts of toluene recently found in HCl preserved vials from the manufacturer. The field blank associated with this sample had a trace toluene detection of 1 µg/L. Please refer to the letter accompanying the lab report for further explanation.
30 The Laboratory report indicates the result reported for toluene in this sample may be attributed to trace amounts of toluene recently found in HCl preserved vials from the manufacturer. The field blank associated with this sample had a trace toluene detection of 0.9 µg/L. Please refer to the letter accompanying the lab report for further explanation.
31 The Laboratory report indicates the result reported for toluene in this field blank may be attributed to trace amounts of toluene recently found in HCl preserved vials from the manufacturer. Please refer to the letter accompanying the lab report for further explanation.
32 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. 21-1577
631 Queen Anne Avenue North
Seattle, Washington
Concentrations reported in µg/L and mg/L

Well ID/Date	Iron	Manganese	Nitrate as Nitrogen	Nitrite as Nitrogen	Sulfate	Alkalinity to pH 4.5	Alkalinity to pH 8.3	Ferrous Iron	Sulfide
VP-5/MW-5									
04/19-22/10	366	1,740	4.700	<0.400	73,300	69,500	<460	0.130	<54
01/17-20/11	2,350	234	11,600	<0.4	51,300	36,900	<460	26	<0.054
05/10-12/11	1,240	1,480	5,000	<400	70,100	63,100	<460	560	<54
VP-7/MW-3									
03/26-28/91	50,000	8,600	<0.010	--	--	--	--	--	--
12/14/99	--	7.76	<0.10	--	13,400	--	--	11.7	--
VP-8/ MW-7									
12/11/08	5,470	527	0.840	<0.200	109,000	193,000	<460	<0.100	<54
04/13-16/09	1,690	217	0.770	<0.400	43,700	149,000	<460	0.960	<54
10/12-15/09	1,220	187	2.300	<0.400	29,200	112,000	<460	2.800	<54
04/19-22/10	4,400	311	3.300	<0.400	23,700	112,000	<460	1.200	140
01/17-20/11	71,700	4,330	45,600	<0.4	28,100	15,700	<460	33	<0.054
05/10-12/11	1,460	122	3,800	<400	57,800	137,000	<460	500	<54
VP-9									
12/15/99	--	420	9,200	--	34,000,000	--	--	9,400	--
MW-4									
12/15/99	--	10.5	<0.10	--	<200	--	--	6.15	--
11/10/08	<52.2	1,460	4.72	<0.200	220,000	117,000	<460	<0.100	<54
04/13-16/09	299	3,570	1.300	<0.400	133,000	206,000	<460	0.420[1]	<54
10/12-15/09	643	6,300	<0.250	<0.400	99,200	267,000	<460	0.690	230
04/19-22/10	876	5,370	<0.250	<0.400	23,900	233,000	<460	0.690	81
01/17-20/11	4,210	2,630	1,900	<0.4	21,100	217,000	<460	890	<0.054
05/10-12/11	6,760	6,130	<250	<400	27,800	255,000	<460	1,500	<54
MW-6									
05/01/08	22,900	5,170	0.560	<0.200	155,000	57,400	<460	17.3	270
11/10/08	6,590	32,400	21.1	0.300	785,000	38,900	<460	0.698	<54
11/10/08 (D)	6,370	32,700	21.0	0.310	843,000	39,200	<460	0.819	<54
04/13-16/09	8,860	14,800	0.280	<0.400	248,000	298,000	<460	3.500	<54
10/12-15/09	4,060	5,560	<0.250	<0.400	72,900	397,000	<460	4.800	230
04/19-22/10	33,600	15,500	<0.250	<0.400	151,000	400,000	<460	37.100	150
01/17-20/11	43,500	23,100	<250	<0.4	270,000	327,000	<460	43,400	0.11
05/10-12/11	35,500	33,800	<250	<400	96,800	702,000	<460	22,800	340

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TABLE 2
GROUNDWATER ANALYTICAL RESULTS FOR MONITORED NATURAL ATTENUATION PARAMETERS
FORMER TEXACO SERVICE STATION NO. 21-1577
631 Queen Anne Avenue North
Seattle, Washington
Concentrations reported in µg/L and mg/L

Well ID/Date	Iron	Manganese	Nitrate as Nitrogen	Nitrite as Nitrogen	Sulfate	Alkalinity to pH 4.5	Alkalinity to pH 8.3	Ferrous Iron	Sulfide
MW-9									
12/15/99	--	10.5	--	--	--	--	--	6.15	--
11/10/08	23,400	21,400	<0.200	<0.200	13,800	578,000	<460	2.50	200
04/13-16/09	31,200	37,000	<0.250	<0.400	242,000	354,000	<460	30.200	110
10/12-15/09	25,300	20,700	<0.250	<0.400	116,000	384,000	<460	25.000	130
04/19-22/10	25,900	13,200	<0.250	<0.400	128,000	328,000	<460	25.300	67
01/17-20/11	68,500	69,300	<250	<0.4	88,800	360,000	<460	27,500	0.41
05/10-12/11	23,300	10,800	<250	<400	64,700	339,000	<460	17,200	290
MW-10									
03/26-28/91	15,000	3,200	0.243	--	--	--	--	1.59	--
03/26-28/91 (D)	10,000	3,400	0.243	--	--	--	--	--	--
12/15/99	--	5.12	0.72	--	70,600	--	--	<2.00	--
05/01/08	32,800	3,110	0.320	<0.200	33,900	208,00	<460	--	<54
11/10/08	390	1,570	1.33	<0.200	45,900	168,000	<460	0.120	<54
04/13-16/09	575	2,860	2.000	<0.400	64,400	192,000	<460	0.510	<54
10/12-15/09	2,970	3,350	<0.250	<0.400	79,600	181,000	<460	0.470	<54
04/19-22/10	1,410	960	3.500	<0.400	50,700	227,000	<460	0.029	<54
01/17-20/11	5,210	4,460	9,200	<0.4	33,300	229,000	<460	<10	<0.054
05/10-12/11	3,680	2,220	3800	<400	37,300	199,000	<460	100	<54
MW-14									
04/19-22/10	8,080	7,530	<0.250	<0.400	127,000	342,000	<460	8.600	93
01/17-20/11	28,300	6,880	<250	<0.4	38,800	308,000	<460	10,100	0.11
05/10-12/11	14,900	6,770	<250	<400	33,300	320,000	<460	10,700	130
MW-15									
12/11/08	116	96	0.490	<0.200	25,400	44,400	<460	<0.100	<54
04/13-16/09	405	139	<0.250	<0.400	6,600	29,100	<460	<0.010	<54
10/12-15/09	274	330	<0.250	<0.400	99,800	84,800	<460	0.037	<54
04/19-22/10	<52.2	7.2	<0.250	<0.400	3,100	45,000	<460	<0.010	<54
01/17-20/11	4600	238	<250	<0.4	2,300	41,300	<460	20	<0.054
05/10-12/11	793	146	<250	<400	2,700	42,200	<460	44	<54
MW-16									
05/02/08	2,250	1,240	1.63	0.600	23,900	121,000	<460	<0.250	<54
11/06/08	181	1,900	5.58	<0.200	46,200	50,300	<460	<0.100	<54
04/13-16/09	508	205	9.800	<0.400	24,900	63,100	<460	<0.010	<54
10/12-15/09	78.4	172	14.9	<0.400	24,700	67,300	<460	0.017	<54
04/19-22/10	925	1,630	7.9	<0.400	22,300	58,100	<460	<0.010	<54
01/17-20/11	43,600	4,020	5,900	<0.4	14,500	67,400	<460	10	<0.054
05/10-12/11	2,480	1,660	6,400	<400	17,300	55,700	<460	81	<54

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TABLE 2
GROUNDWATER ANALYTICAL RESULTS FOR MONITORED NATURAL ATTENUATION PARAMETERS
FORMER TEXACO SERVICE STATION NO. 21-1577
631 Queen Anne Avenue North
Seattle, Washington
Concentrations reported in µg/L and mg/L

Well ID/Date	Iron	Manganese	Nitrate as Nitrogen	Nitrite as Nitrogen	Sulfate	Alkalinity to pH 4.5	Alkalinity to pH 8.3	Ferrous Iron	Sulfide
MW-17									
05/01/08	2,820	2,570	<0.200	<0.200	27,600	111,000	<460	<0.250	<54
11/06/08	499	1,990	1.50	<0.200	65,700	92,800	<460	<0.100	<54
11/06/08 (D)	647	2,450	1.09	<0.200	68,400	111,000	<460	<0.100	<54
04/13-16/09	343	1,520	1.500	<0.400	68,000	92,900	<460	0.130	<54
10/12-15/09	273	2,890	2.900	<0.400	28,000	218,000	<460	0.180	<54
04/19-22/10	1,150	1,090	6,100	<0.400	26,000	74,900	<460	<0.010	<54
01/17-20/11	134	116	4,600	<0.4	26,000	75,400	<460	<10	<0.054
05/10-12/11	912	1,870	1,600	<400	30,000	90,500	<460	43	<54
MW-18									
12/11/08	3,170	4,300	<0.200	<0.200	55,300	266,000	<460	<0.100	<54
04/13-16/09	8,880	3,220	<0.250	<0.400	77,500	196,000	<460	2.100	<54
10/12-15/09	2,670	3,820	<0.250	<0.400	41,900	247,000	<460	2.900	66
04/19-22/10	420	1,900	4.100	<0.400	32,800	178,000	<460	0.120	<54
01/17-20/11	106,000	710	7,200	<0.4	22,000	107,000	<460	18	<0.054
05/10-12/11	525	1,050	6,600	<400	28,100	162,000	<460	31	<54
MW-21									
05/01/08	8,110	395	<0.200	<0.200	21,900	268,000	<460	2.13	<54
11/06/08	5,980	374	<0.200	<0.200	18,400	260,000	<460	0.216	<54
04/13-16/09	6,260	334	<0.250	<0.400	18,900	245,000	<460	4.600	<54
10/12-15/09	4,740	299	<0.250	<0.400	19,900	234,000	<460	5.100	<54
04/19-22/10	7,320	200	<0.250	<0.400	20,600	164,000	<460	3.900	<54
01/17-20/11	55,800	930	<250	<0.4	40,900	198,000	<460	6,100	0.14[4]
05/10-12/11	27,200	514	<250	<400	42,700	202,000	<460	4,600	<54
MW-25									
04/19-22/10	<52.2	1,280	1.600	<0.400	28,600	180,000	<460	<0.010	<54
01/17-20/11	8,470	1,880	3,600	<0.4	23,800	168,000	<460	46	<0.054
05/10-12/11	1,460	1,430	890	<400	21,200	157,000	<460	51	<54
MW-26									
05/01/08	3,030	3,660	<0.200	<0.200	137,000	129,000	<460	0.373	57
05/01/08 (D)	3,210	3,660	<0.200	<0.200	133,000	131,000	<460	0.817	<54
11/06/08	4,260	3,710	0.800	<0.200	117,000	156,000	<460	0.275	78
04/13-16/09	319	1,380	5.600[4]	<8.000[4]	16,500	142,000	<460	0.071	<54
10/12-15/09	<52.2	1,040	10.300	<0.400	60,800	88,400	<460	0.012	<54
04/19-22/10	<52.2	48.4	17.700	<0.400	44,300	87,200	<460	0.012	<54
01/17-20/11	98.3	55.6	15,300	<0.4	33,700	97,100	<460	20	<0.054
05/10-12/11	<52.2	29.7	19,400	<400	51,300	93,800	<460	23	<54

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TABLE 2
GROUNDWATER ANALYTICAL RESULTS FOR MONITORED NATURAL ATTENUATION PARAMETERS
FORMER TEXACO SERVICE STATION NO. 21-1577
631 Queen Anne Avenue North
Seattle, Washington
Concentrations reported in µg/L and mg/L

Well ID/Date	Iron	Manganese	Nitrate as Nitrogen	Nitrite as Nitrogen	Sulfate	Alkalinity to pH 4.5	Alkalinity to pH 8.3	Ferrous Iron	Sulfide
MW-30									
04/30/08	1,570	144	4.91	<0.200	16,500	228,000	<460	<0.250	<54
11/06/08	196	108	4.11	<0.200	10,700	226,000	<460	<0.100	<54
11/06/08 (D)	325	92.9	4.09	<0.200	11,000	224,000	<460	<0.100	<54
04/13-16/09	410	174	4.800[2]	<0.400	13,200	225,000	<460	<0.010	<54
10/12-15/09	59.8	120	9.500	<0.400	15,500	216,000	<460	<0.010	<54
04/19-22/10	1,830	352	0.690	<0.400	8,100	281,000	<460	0.033	<54
01/17-20/11	71,800	6,500	22,700	<0.4	28,800	267,000	<460	<10	<0.054
05/10-12/11	53,800	4,410	23,200	<400	27,600	223,000	<460	<10	<110
MW-31									
04/19-22/10	567	10.1	0.340	<0.400	57,300	161,000	<460	0.055	<54
01/17-20/11	247,000	6,290	710	<0.4	41,400	144,000	<460	10	<0.11[4]
05/10-12/11	177,000	4,950	900	<400	43,700	136,000	<460	<10	<220
MW-33									
04/19-22/10	4,650	236	<0.250	<0.400	17,300	252,000	<460	4.100	460
01/17-20/11	12,300	366	<250	<0.4	30,900	243,000	<460	3,900	3.9
05/10-12/11	7,480	520	<250	<400	42,600	236,000	<460	3,200	1,600
MW-34									
04/30/08	1,750	37.4	11.4	<0.200	23,000	113,000	<460	<0.250	<54
11/06/08	426	15.7	15.9	<0.200	24,500	90,100	<460	<0.100	<54
04/13-16/09	<52.2	0.91	15.200	<0.400	47,400	96,100	<460	0.075[3]	<54
10/12-15/09	576	15.3	12.300	<0.400	37,100	102,000	<460	0.030	<54
04/19-22/10	8,360	175	9.900	<0.400	23,400	99,600	<460	0.037	<54
01/17-20/11	175,000	3,290	11,700	<0.4	21,200	85,200	<460	21	<0.22[4]
05/10-12/11	311,000	5,820	12,400	<400	23,200	84,700	<460	<10	<540
MW-35									
05/01/08	2,010	3,620	<0.200	<0.200	<1500	391,000	<460	0.636	<54
04/13-16/09	21,300	2,330	<0.250	<0.400	21,700	357,000	<460	19.500	73
10/12-15/09	14,700	1,880	<0.250	<0.400	37,100	214,000	<460	2.900	170
04/19-22/10	45,100	2,230	<0.250	<0.400	46,500	200,000	<460	4.600	400
01/17-20/11	100,000	3,140	340	<0.4	80,200	173,000	<460	2,000	0.17
05/10-12/11	59,800	3,040	710	<400	74,900	176,000	<460	980	<54

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TABLE 2
GROUNDWATER ANALYTICAL RESULTS FOR MONITORED NATURAL ATTENUATION PARAMETERS
FORMER TEXACO SERVICE STATION NO. 21-1577
631 Queen Anne Avenue North
Seattle, Washington
Concentrations reported in µg/L and mg/L

Well ID/Date	Iron	Manganese	Nitrate as Nitrogen	Nitrite as Nitrogen	Sulfate	Alkalinity to pH 4.5	Alkalinity to pH 8.3	Ferrous Iron	Sulfide
DPE-8/MW-22									
11/06/08	99,600	22,300	<0.200	<0.200	4,200	529,000	<460	4.62	580
04/13-16/09	24,200	5,980	0.340	<0.400	47,300	228,000	<460	23.700	140
10/12-15/09	13,600	3,830	<0.250	<0.400	46,800	188,000	<460	15.100	610
04/19-22/10	2,370	1,280	<0.250	<0.400	61,600	109,000	<460	1.500	<54
01/17-20/11	1,340	267	3500.00	<0.4	34,500	68,900	<460	<10	<0.054
05/10-12/11	4,620	2,820	470	<400	72,400	98,200	<460	690	<54

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to November 6, 2008, were compiled from reports prepared by SAIC Energy, Environment & Infrastructure, LLC.

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

ANALYTICAL METHODS:

Manganese analyzed by Method SW-846 6010B
Alkalinity analyzed by SM20 Method 2320 B
Sulfate analyzed by USEPA Method 300.0
Nitrate-Nitrogen and Nitrite-Nitrogen analyzed by USEPA Method 300.0
Ferrous Iron analyzed by 3500-Fe B
Sulfide analyzed by Method SM20 4500 S2 D

1 Laboratory report indicates this sample was analyzed twice for ferrous iron. The result of the second analysis was 471 µg/L.
2 Laboratory report indicates this sample was originally analyzed within the 48 hour holding time for nitrate-nitrogen, however the continuing calibration standard bracketing the sample was not within specification. The analysis was repeated on April 17, 2009. The continuing calibration standard bracketing the sample on the second trial was within specification. The first trial result is being reported because it was analyzed within the holding time. The second trial result was 5,100 µg/L.
3 Laboratory report indicates this sample was analyzed twice for ferrous iron. The result of the second analysis was 230 µg/L.
4 Laboratory report indicates the reporting limit(s) for the analyte(s) was raised due to matrix inference.

SAIC

Attachment A:
Groundwater Monitoring and Sampling Data Package

GETTLER-RYAN INC.

TRANSMITTAL

May 20, 2011
G-R #386765

TO: Mr. Russell Shropshire
SAIC
18912 North Creek Parkway, Suite 101
Bothell, WA 98011

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6747 Sierra Court, Suite J
Dublin, California 94568

RE: Former Texaco Service Station
631 Queen Anne Avenue North
Seattle, Washington
(Site #211577)

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **First Semi-Annual Event of May 9, 10, 11, and 12, 2011**

COMMENTS:

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

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

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

trans/211577

GETTLER-RYAN INC.

CHEVRON - SITE CHECK LIST

Facility#:	**Chevron #211577**	Date: 5/9-5/12/11
Address:	**631 Queen Anne North**	
City/St.:	**Seattle, WA**	
Status of Site:	QUEEN ANNE	

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

#	Description	Condition	Labeling	Contents	Location
	NO DRUMS				

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

Well ID	Well Box	Bolts	Well Plug	Well Lock	Other
VP-2	OK				
VP-4	OK				
VP-5 (MW-5)	RETAPPED FLANGES	REPLACED	OK	OK	
VP-7 (MW-3)	OK	OK			
VP-8 (MW-7)	RETAPPED	REPLACED			
VP-9	OK	OK			
MW-4	FLANGES STRIPPED	REPLACED			
MW-6	RETAPPED	Replaced			
MW-9	RETAPPED	Replaced			
MW-10	1 BROKEN FLANGE, 2 RETAPPED	Replaced			
MW-11	OK	OK			
MW-12	1 BROKEN FLANGE	OK			
MW-13	OK	OK			
MW-14	FLANGES STRIPPED	Replaced			
MW-15	RETAPPED	Replaced			
MW-16	RETAPPED	Replaced		Replaced	
MW-17	RETAPPED	REPLACED		OK	
MW-18	OK	OK			
MW-19	RETAPPED	REPLACED			
MW-20	OK	OK			
MW-21	3 FLANGES BROKEN		Replaced	Replaced	
MW-23	OK				

Additional Comments/Observations:

GETTLER-RYAN INC.

CHEVRON - SITE CHECK LIST

Facility#:	Chevron #211577	Date:	5/9-5/12/11
Address:	631 Queen Anne North		
City/St.:	Seattle, WA		
Status of Site:	QUEEN ANNE		

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

Continued...

Well ID	Well Box	Bolts	Well Plug	Well Lock	Other
MW-24	OK	OK	OK	OK	
MW-25	RETAPPED FLANGES	Replaced	OK	OK	MISSING GASKET
MW-26	RETAPPED	Replaced	OK	OK	
MW-30	RETAPPED	Replaced	Replaced	Replaced	
MW-31	FLANGES STRIPPED	OK	OK	OK	
MW-32	~~RETAPPED~~ OK	~~OK~~ OK	OK	OK	
MW-33	RETAPPED	Replaced	OK	OK	
MW-34	RETAPPED	Replaced	Replaced	Replaced	
MW-35	OK	OK	OK	OK	
DPE-1 (VP-6)					
RW-2					
DPE-2					
DPE-3					
DPE-4					
DPE-5					
DPE-6					
DPE-7					
DPE-8					
DPE-9					

Additional Comments/Observations:

Standard Operating Procedure, Low-Flow Purging and Sampling

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

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

Initial Pump Discharge Test Procedures

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

The bladder pump or suction inlet tubing of the peristaltic pump is then positioned with its inlet located within the screened interval of the well. After pump installation, the SWL is allowed to recover to its original level. The pump is then started at a discharge rate between 100 ml to 300 ml per minute without the in-line flow cell connected. The water level is monitored continuously for any change from the original measurement and the discharge rate is adjusted until an optimum discharge rate (ODR) is determined. The goal for the ODR is to produce a stable drawdown of less than 0.1 meter; however the total drawdown from the initial SWL should not exceed 25% of the distance between pump inlet location and the top of the well screen. If the in-line flow cell is to be used, purging is discontinued once the ODR is determined, and the inline flow cell is connected. Purging is then resumed and the ODR is adjusted to allow for the back pressure of the in-line flow cell.

Purging and Water Quality Parameter Measurement

Prior to sampling the well, the SWL will be re-measured and documented and purging will be re-initiated using the ODR. The discharge rate will be confirmed by volumetric discharge measurement and the ODR adjusted as necessary. When the ODR has been re-established, the SWL drawdown has stabilized within the acceptable range and at least one pump system volume (bladder volume and/or discharge tubing volume) has been purged, field measurements for temperature (T), pH, conductivity (Ec), and if required, oxygen reduction potential (ORP) and dissolved oxygen (DO) will be collected and documented on the field data sheet. Measurements should be taken every three to five minutes until parameters stabilize for three consecutive readings. The minimum parameter subset of T (± 10%), pH (± 0.1 unit), and Ec (± 10 uS) are required to stabilize. Additional parameters that may be required are DO (± 0.2 mg/l) and ORP (± 20 mV).

Sample Collection

When water quality parameters have stabilized, and there is no change in the SWL drawdown, groundwater sample collection may begin. Water samples are collected from the discharge tubing into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards, as directed by the scope of work. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the

sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. A laboratory supplied trip blank accompanies each sampling set. The trip blank is analyzed for some or all of the same compounds as the groundwater samples. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

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

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 5/9-5/12/11 (inclusive)
City: Seattle, WA Sampler: ML

Well ID VP-2 Date Monitored: 5-9-11
Well Diameter 2 in.
Total Depth 14.97 ft.
Depth to Water 11.97 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.

____ 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
Discrete Bailer
Peristaltic Pump
QED Bladder Pump
Other:

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

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

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: NO

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: 5/9-5/12/11 (inclusive)
City: Seattle, WA Sampler: ML JP

Well ID VP-4
Well Diameter 2 in.
Total Depth 13.95 ft.
Depth to Water 10.91 ft.

Date Monitored: 5-9-11

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 X
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Discrete Bailer
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): 1015 Weather Conditions: CLOUDY
Sample Time/Date: 1045 5-11-11 Water Color: Clear Odor: Y / (N)
Approx. Flow Rate: 200 ml/min. Sediment Description: none
Did well de-water? No If yes, Time: Volume: gal. DTW @ Sampling: 10.96

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - (S))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1030	1.5	7.07	402	9.16	~~1.12~~	-21	10.95
1033	1.8	7.14	408	9.11	1.19	-24	10.96
1036	2.1	7.16	409	9.10	1.20	-24	10.96

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS:

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: 5/9-5/12/11 (inclusive)
City: Seattle, WA | Sampler: ML JP

Well ID VP-5 | Date Monitored: 5-9-11
Well Diameter 2 in.
Total Depth 16.41 ft.
Depth to Water 10.58 ft.

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

☐ Check if water column is less then 0.50 ft.

— 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 X
Discrete Bailer
Peristaltic Pump X
QED Bladder Pump
Other: Metal Filter

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): 0915 | Weather Conditions: Cloudy
Sample Time/Date: 0945 5-11-11 | Water Color: Clear Odor: Y / N
Approx. Flow Rate: 200ml /gpm. | Sediment Description: None
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 10.69

Time (2400 hr.)	Volume ~~gal.~~ L	pH	Conductivity (µmhos/cm - ~~mS~~)	Temperature (°C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0930	3	7.38	387	8.06	2.16	-42	10.67
0933	3.6	7.30	391	8.01	2.21	-47	10.69
0936	4.2	7.31	392	7.99	2.22	-47	10.69

LABORATORY INFORMATION

SAMPLE ID	(#),CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
VP-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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: RETAPPED BOLT HOLES

Add/Replaced Lock: — Add/Replaced Plug: — Add/Replaced Bolt: 3

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 5/9 - 5/12/11 (inclusive)
City: Seattle, WA Sampler: ML

Well ID VP-7
Well Diameter 2 in.
Total Depth 12.42 ft.
Depth to Water 8.93 ft.

Date Monitored: 5-9-11

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
- Discrete Bailer
- 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):
Sample Time/Date:
Approx. Flow Rate: gpm.
Did well de-water? If yes, Time: Volume: gal. DTW @ Sampling:

Weather Conditions:
Water Color: Odor: Y / N
Sediment Description:

Time (2400 hr.)	Volume (gal.)	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: 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: 5/9-5/12/11 (Inclusive)
City: Seattle, WA | Sampler: ML JP

Well ID VP-8
Well Diameter 2 in.
Total Depth 17.95 ft.
Depth to Water 10.71 ft.
Date Monitored: 5-9-11

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 X
QED Bladder Pump
Other:

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

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): 1120 | Weather Conditions: Cloudy
Sample Time/Date: 1150 5-11-11 | Water Color: Clear | Odor: Y / (N)
Approx. Flow Rate: 200 ml/min. | Sediment Description: none
Did well de-water? No | If yes, Time: | Volume: gal. | DTW @ Sampling: 11.01

Time (2400 hr.)	Volume (gal/L)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1135	3	7.07	431	9.66	1.13	-169	10.97
1138	3.6	7.09	439	9.50	1.04	-160	10.98
1141	4.2	7.11	434	9.51	1.05	-161	11.01

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
VP-8	4 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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: RETAPPED BOLT HOLES

Add/Replaced Lock: | Add/Replaced Plug: | Add/Replaced Bolt: x3 5/8

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 5/9-5/12/11 (inclusive)
City: Seattle, WA Sampler: AL

Well ID VP-9 Date Monitored: 5-9-11
Well Diameter 2 in.
Total Depth 12.44 ft.
Depth to Water 8.83 ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

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

Sampling Equipment:
- Disposable Bailer
- Pressure Bailer
- Discrete Bailer
- Peristaltic Pump /
- QED Bladder Pump
- Other:

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

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

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

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: 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: 5/9-5/12/11 (inclusive)
City: Seattle, WA | Sampler: KE

Well ID: MW-4 | Date Monitored: 5/9/11
Well Diameter: 2 in.
Total Depth: 17.32 ft.
Depth to Water: 10.19 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

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

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.61

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

Sampling Equipment:
- Disposable Bailer: ___
- Pressure Bailer: ✓
- Discrete Bailer: ___
- Peristaltic Pump: ✓
- QED Bladder Pump: ___
- Other: metal filter

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): 1010 | Weather Conditions: Cloudy
Sample Time/Date: 1050 / 5/11/11 | Water Color: Cloudy | Odor: (Y) N Slight
Approx. Flow Rate: 200ml/pm ~~gpm.~~ | Sediment Description: light
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 10.30

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm) (µS)	Temperature (C) F	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1025	3	6.74	382	14.2	1.3	46	10.21
1028	3.6	6.69	384	13.9	1.3	43	10.28
1031	4.2	6.63	390	13.7	1.2	36	10.34

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: flanges stripped / gasket missing

Add/Replaced Lock: ___ Add/Replaced Plug: ___ Add/Replaced Bolt: 2 9/16

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 5/9 - 5/12/11 (inclusive)
City: Seattle, WA Sampler: ML JP

Well ID MW-6 Date Monitored: 5-9-11
Well Diameter 2 in.
Total Depth 28.06 ft.
Depth to Water 18.32 ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

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

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

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): 0800 Weather Conditions: SUNNY
Sample Time/Date: 0830 / 5-12-11 Water Color: Clear Odor: (Y) N Light
Approx. Flow Rate: 200 ml gpm. Sediment Description: none
Did well de-water? no If yes, Time: Volume: gal. DTW @ Sampling: 18.41

Time (2400 hr.)	Volume (gal.) L	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0815	3	7.13	347	9.86	2.17	-31	18.40
0818	3.6	7.18	356	9.92	2.22	-37	18.40
0821	4.2	7.19	358	9.94	2.24	-38	18.41

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: DUPLICATE SAMPLE (DUP-1) COLLECTED FROM THIS WELL.
FB-1 FIELD BLANK COLLECTED AT THIS WELL.
SPENT 15 MINUTES RETAPPING BOLT HOLES

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt: 3

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 | Job Number: 386765
Site Address: 631 Queen Anne North | Event Date: 5/9-5/12/11 (inclusive)
City: Seattle, WA | Sampler: ML JP

Well ID MW-9
Well Diameter 2 in.
Total Depth 27.18 ft.
Depth to Water 18.68 ft.

Date Monitored: 5-9-11

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 X
QED Bladder Pump
Other:

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

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): 0905 | Weather Conditions: SUNNY
Sample Time/Date: 0935 / 5-12-11 | Water Color: clear | Odor: (Y) / N medium
Approx. Flow Rate: 200ml gpm. | Sediment Description: 1.gNT
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 18.75

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - (S))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0920	3	7.54	825	10.46	0.87	-74	18.75
0923	3.6	7.57	822	10.51	0.91	-77	18.75
0926	4.2	7.58	820	10.57	0.92	-78	18.75

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: RETAPPED BOLT HOLES

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt: 3

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 5/9-5/12/11 (inclusive)
City: Seattle, WA Sampler: ML JP

Well ID MW-10 Date Monitored: 5-9-11
Well Diameter 2 in.
Total Depth 29.04 ft.
Depth to Water 12.02 ft.

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

☐ Check if water column is less then 0.50 ft.

— 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 X
Discrete Bailer
Peristaltic Pump X
QED Bladder Pump
Other: Metal filter

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): 1115 Weather Conditions: SUNNY
Sample Time/Date: 1145 / 5-12-11 Water Color: Clear Odor: Y / N
Approx. Flow Rate: 200 ml/min. Sediment Description: None
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 12.05

Time (2400 hr.)	Volume (gal) L	pH	Conductivity (µmhos/cm (µS))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1130	3	7.32	805	10.98	1.72	76	12.05
1133	3.6	7.27	811	11.03	1.78	74	12.05
1136	4.2	7.26	812	11.07	1.80	73	12.05

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: 1 BROKEN FLANGE, 2 BOLT HOLES RETAPPED

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt: 3

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 5/9-5/12/11 (inclusive)
City: Seattle, WA Sampler: ASL

Well ID MW-11
Well Diameter 2 in.
Total Depth 17.11 ft.
Depth to Water — ft.
— xVF — = —

Date Monitored: 5-9-11

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
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Discrete Bailer
Peristaltic Pump
QED Bladder Pump
Other:

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

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

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: WELL OBSTRUCTED AT ~ 11 FEET

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: 5/9-5/12/11 (inclusive)
City: Seattle, WA | Sampler: ML

Well ID: MW-12 | Date Monitored: 5-9-11
Well Diameter: 2 in.
Total Depth: 16.30 ft.
Depth to Water: 11.43 ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

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

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

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

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

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: NO

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: 5/9-5/12/11 (inclusive)
City: Seattle, WA Sampler: ML

Well ID MW-13
Well Diameter 2 in.
Total Depth 19.80 ft.
Depth to Water 16.52 ft.

Date Monitored: 5-9-11

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
- Discrete Bailer
- Peristaltic Pump
- QED Bladder Pump
- Other:

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

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

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: 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: 5/9-5/12/11 (inclusive)
City: Seattle, WA | Sampler: KE

Well ID: MW-14 | Date Monitored: 5/9/11
Well Diameter: 2 in.
Total Depth: 24.43 ft.
Depth to Water: 9.87 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.

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

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.78

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

Sampling Equipment:
- Disposable Bailer: _____
- Pressure Bailer: ✓
- Discrete Bailer: _____
- Peristaltic Pump: ✓
- QED Bladder Pump: _____
- Other: metal filter

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): 0900 | Weather Conditions: Rain
Sample Time/Date: 0940/5/11/11 | Water Color: Cloudy | Odor (Y) / N Strong
Approx. Flow Rate: 250ml/min ~~gpm.~~ | Sediment Description: light
Did well de-water? no If yes, Time: — Volume: — gal. DTW @ Sampling: 9.88

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm (µS))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0915	3	6.92	436	13.9	1.3	39	9.91
0918	3.6	6.84	440	13.5	1.2	30	9.92
0921	4.2	6.80	446	13.3	1.1	26	9.96

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: 3 flanges Stripped / Replaced one bolt

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: 1 9/16

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 | Job Number: 386765
Site Address: 631 Queen Anne North | Event Date: 5/9 - 5/12/11 (inclusive)
City: Seattle, WA | Sampler: ML JP

Well ID MW-15 | Date Monitored: 5-9-11
Well Diameter 2 in.
Total Depth 24.13 ft.
Depth to Water 7.76 ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

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

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

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): 0815 | Weather Conditions: RAIN
Sample Time/Date: 0845 / 5-11-11 | Water Color: Clear | Odor: Y / N
Approx. Flow Rate: 200ml/ gpm. | Sediment Description: none
Did well de-water? NO If yes, Time: ___ Volume: ___ gal. DTW @ Sampling: 7.82

Time (2400 hr.)	Volume (L)	pH	Conductivity (µmhos/cm) (mS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0830	3	7.51	111	7.54 8.06	1.01	52	7.80
0833	3.6	7.45	112	8.11	1.08	57	7.81
0836	4.2	7.44	114	8.12	1.09	58	7.82

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-15	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: RE-TAPPED BOLT HOLES

Add/Replaced Lock: ___ Add/Replaced Plug: ___ Add/Replaced Bolt: 3

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GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 | Job Number: 386765
Site Address: 631 Queen Anne North | Event Date: 5/9-5/2/11 (inclusive)
City: Seattle, WA | Sampler: ML JP

Well ID MW-16 | Date Monitored: 5-9-11
Well Diameter 2 in.
Total Depth 24.82 ft.
Depth to Water 10.24 ft.

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

☐ Check if water column is less then 0.50 ft.

— 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 X
Discrete Bailer
Peristaltic Pump X
QED Bladder Pump
Other: Metal Alter

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): 0915 | Weather Conditions: CLOUDY
Sample Time/Date: 0945 / 5-10-11 | Water Color: Clear | Odor: Y / (N)
Approx. Flow Rate: 200 ml/min. | Sediment Description: None
Did well de-water? NO | If yes, Time: | Volume: gal. | DTW @ Sampling: 10.26

Time (2400 hr.)	Volume (gal.) C	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0930	3	7.39	525	9.9	1.16	-96	10.26
0933	3.6	7.29	528	9.8	1.21	-91	10.25
0936	4.2	7.30	530	9.8	1.26	-90	10.26

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: SPENT 20 MINUTES RETAPPING & REPLACING BOLTS

Add/Replaced Lock: X | Add/Replaced Plug: | Add/Replaced Bolt: 3

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 | Job Number: 386765
Site Address: 631 Queen Anne North | Event Date: 5/9-5/12/11 (inclusive)
City: Seattle, WA | Sampler: ML JP

Well ID MW-17
Well Diameter 2 in.
Total Depth 25.00 ft.
Depth to Water 8.24 ft.
Date Monitored: 5-9-11

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 X
QED Bladder Pump ____
Other: ____

Sampling Equipment:
Disposable Bailer ____
Pressure Bailer X
Discrete Bailer ____
Peristaltic Pump X
QED Bladder Pump ____
Other: Metal filter

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): 1120
Sample Time/Date: 1150 5-10-11
Approx. Flow Rate: 200mL/gpm.
Did well de-water? NO If yes, Time: ____ Volume: ____ gal. DTW @ Sampling: 8.30

Weather Conditions: Cloudy
Water Color: Clear Odor: Y / (N)
Sediment Description: None

Time (2400 hr.)	Volume (~~gal.~~) L	pH	Conductivity (µmhos/cm ~~µS~~)	Temperature (°C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1135	3	7.34	307	10.50	1.72	42	8.29
1138	3.6	7.27	312	10.45	1.77	47	8.27
1141	4.2	7.26	314	10.44	1.78	48	8.30

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: DUPLICATE SAMPLE (DUP-2) COLLECTED FROM THIS WELL.
FIELD BLANK (EB-2) COLLECTED AT THIS WELL
RETAPPED 3 BOLT HOLES

Add/Replaced Lock: ____ Add/Replaced Plug: ____ Add/Replaced Bolt: 3

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 | Job Number: 386765
Site Address: 631 Queen Anne North | Event Date: 5/9-5/12/11 (inclusive)
City: Seattle, WA | Sampler: ML JP

Well ID: MW-18 | Date Monitored: 5-9-11
Well Diameter: 2 in.
Total Depth: 24.20 ft.
Depth to Water: 9.83 ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

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

Sampling Equipment:
- Disposable Bailer: ____
- Pressure Bailer: X
- Discrete Bailer: ____
- Peristaltic Pump: X
- QED Bladder Pump: ____
- Other: Metal filter

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): 1225 | Weather Conditions: CLOUDY
Sample Time/Date: 1255 / 5-10-11 | Water Color: Clear | Odor: Y / (N)
Approx. Flow Rate: 200ml/min. | Sediment Description: None
Did well de-water? NO | If yes, Time: ____ | Volume: ____ gal. | DTW @ Sampling: 9.99

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm (mS))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1240	3	7.29	360	10.71	1.86	72	9.96
1243	3.6	7.21	370	10.79	1.90	77	9.87
1246	4.2	7.20	368	10.81	1.90	76	9.99

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: ____

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: 5/9-5/12/11 (inclusive)
City: Seattle, WA Sampler: ML

Well ID MW-19
Well Diameter 2 in.
Total Depth 24.22 ft.
Depth to Water 9.56 ft.

Date Monitored: 5-9-11

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
Discrete Bailer
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):
Sample Time/Date: /
Approx. Flow Rate: gpm.
Did well de-water? If yes, Time: Volume: gal. DTW @ Sampling:

Weather Conditions:
Water Color: Odor: Y / N
Sediment Description:

Time (2400 hr.)	Volume (gal.)	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: RETAPPED 3 BOLT HOLES M/O

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt: 3

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

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

Site Address: **631 Queen Anne North** Event Date: **5/9-5/12/11** (inclusive)

City: **Seattle, WA** Sampler: **ML**

Well ID **MW-20** Date Monitored: **5-9-11**

Well Diameter **1** in.

Total Depth **19.71** ft.

Depth to Water **6.98** ft.

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

☐ Check if water column is less then 0.50 ft.

— 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
- Discrete Bailer
- Peristaltic Pump
- QED Bladder Pump
- Other:

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

Start Time (purge): Weather Conditions:

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

Approx. Flow Rate: gpm. Sediment Description:

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

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm or 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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010)
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: 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: 5/9-5/12/11 (inclusive)
City: Seattle, WA | Sampler: KE

Well ID: MW-21 | Date Monitored: 5/9/11
Well Diameter: 2 in.
Total Depth: 35.08 ft.
Depth to Water: 25.40 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.

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

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 27.33

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

Sampling Equipment:
- Disposable Bailer: ✓
- Pressure Bailer: ✓
- Discrete Bailer: _____
- Peristaltic Pump: ✓
- QED Bladder Pump: _____
- Other: metal filter

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): 0905 | Weather Conditions: Cloudy
Sample Time/Date: 0945 / 5/10/11 | Water Color: Cloudy | Odor: Y / (N)
Approx. Flow Rate: 200 ml/min | Sediment Description: light
Did well de-water? NO | If yes, Time: — | Volume: _____ gal. | DTW @ Sampling: 25.46

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm) (µS)	Temperature (C) / F	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0920	3	7.83	218	15.4	1.8	93	25.45
0923	3.6	7.80	223	15.2	1.7	88	25.46
0926	4.2	7.78	230	15.0	1.7	81	25.49

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	1x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: Flanges broken

Add/Replaced Lock: 1 | Add/Replaced Plug: 2 | 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: 5/9-5/12/11 (inclusive)
City: Seattle, WA Sampler: ML

Well ID MW-23
Well Diameter 3/4 in.
Total Depth 13.04 ft.
Depth to Water 6.63 ft.

Date Monitored: 5-9-11

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
- Discrete Bailer
- Peristaltic Pump
- QED Bladder Pump
- Other: ____

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

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

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: 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: 5/9-5/12/11 (inclusive)
City: Seattle, WA | Sampler: ML

Well ID: MW-24 | Date Monitored: 5-9-11
Well Diameter: 3/4 in.
Total Depth: 12.52 ft.
Depth to Water: 5.65 ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

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

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

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

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

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: 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: 5/9-5/12/11 (inclusive)
City: Seattle, WA Sampler: KE

Well ID MW-25 Date Monitored: 5/9/11
Well Diameter 4 in.
Total Depth 22.82 ft.
Depth to Water 10.20 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.

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

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.72

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

Sampling Equipment:
Disposable Bailer
Pressure Bailer ✓
Discrete Bailer
Peristaltic Pump ✓
QED Bladder Pump
Other: metal filter

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): ~~0800~~ 0800 Weather Conditions: Light Rain
Sample Time/Date: 0840 / 5/11/11 Water Color: Cloudy Odor: Y / (N)
Approx. Flow Rate: 200ml/min gpm Sediment Description: light
Did well de-water? no If yes, Time: — Volume: — gal. DTW @ Sampling: 10.21

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm (µS))	Temperature (C) F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0815	3	7.19	261	12.8	~~2.0~~ 2.1	68	10.21
0818	3.6	7.15	268	12.6	1.9	64	10.23
0821	4.2	7.13	273	12.3	1.9	61	10.24

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: Retapped gasket missing

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: 3 9/16

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 | Job Number: 386765
Site Address: 631 Queen Anne North | Event Date: 5/9 - 5/12/11 (inclusive)
City: Seattle, WA | Sampler: ML JP

Well ID: MW-26
Well Diameter: 4 in.
Total Depth: 22.72 ft.
Depth to Water: 9.08 ft.

Date Monitored: 5-9-11

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 X
QED Bladder Pump
Other:

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

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
Sample Time/Date: 1045 / 5-10-11 | Water Color: Clear | Odor: Y / N
Approx. Flow Rate: 200ml gpm. | Sediment Description: none
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 22.72

Time (2400 hr.)	Volume (~~gal.~~) L	pH	Conductivity (µmhos/cm - ~~µS~~)	Temperature (~~C~~ F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1030	3	7.28	262	8.96	2.16	-76	22.72
1033	3.6	7.21	259	8.93	2.20	-81	22.72
1036	4.2	7.20	260	8.94	2.21	-80	22.72

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: RETAPPED BOLT HOLES

Add/Replaced Lock: [redacted] Add/Replaced Plug: Add/Replaced Bolt: 3

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 | Job Number: 386765
Site Address: 631 Queen Anne North | Event Date: 5/9-5/12/14 (inclusive)
City: Seattle, WA | Sampler: BE

Well ID: MW-30 | Date Monitored: 5/9/14
Well Diameter: 2 in.
Total Depth: 33.20 ft.
Depth to Water: 24.60 ft.
8.60 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]: 26.32

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

Sampling Equipment:
Disposable Bailer: ____
Pressure Bailer: ✓
Discrete Bailer: ____
Peristaltic Pump: ✓
QED Bladder Pump: ____
Other: metal filter

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): 1005 | Weather Conditions: Cloudy
Sample Time/Date: 1040 / 5/10/14 | Water Color: Cloudy | Odor: Y / (N)
Approx. Flow Rate: 200ml/min gpm. | Sediment Description: 0 moderate
Did well de-water? no | If yes, Time: — | Volume: — gal. | DTW @ Sampling: 24.62

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm (µS))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1020	3	7.22	377	14.9	2.1	102	24.63
1023	3.6	7.13	381	14.8	2.1	100	24.64
1026	4.2	7.09	386	14.6	2.0	96	24.68

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-30	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: Collected FB-3 and DUP-3 from well both 6 voa's Retapped OK

Add/Replaced Lock: Y1 | Add/Replaced Plug: 2N | Add/Replaced Bolt: 3 9/16

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

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

Site Address: **631 Queen Anne North** Event Date: 5/9-5/12/14 (inclusive)

City: **Seattle, WA** Sampler: KE

Well ID MW-31 Date Monitored: 5/9/14

Well Diameter 2 in.

Total Depth 28.22 ft.

Depth to Water 19.70 ft. ☐ Check if water column is less then 0.50 ft.

8.52 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

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 21.40

Purge Equipment:

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

Sampling Equipment:

Disposable Bailer	●
Pressure Bailer	✓
Discrete Bailer	____
Peristaltic Pump	✓
QED Bladder Pump	____
Other:	metal filter

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): 1105 Weather Conditions: Cloudy

Sample Time/Date: 1145 / 5/10/14 Water Color: Cloudy Odor: Y (N)

Approx. Flow Rate: 200ml per [redacted] Sediment Description: Heavy

Did well de-water? no If yes, Time: — Volume: — gal. DTW @ Sampling: [redacted] 19.73

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm (µS))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1120	3	7.38	270	15.1	2.2	112	19.73
1123	3.6	7.33	278	14.8	2.0	111	19.73
1126	4.2	7.27	281	14.6	2.0	108	19.75

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: flanges Stripped everything else at

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: 5/9 - 5/12/11 (inclusive)
City: Seattle, WA Sampler: ML JP

Well ID MW-32 Date Monitored: 5-9-11
Well Diameter 2 in.
Total Depth 28.94 ft.
Depth to Water 9.93 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.

____ 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
Discrete Bailer
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): 1340 Weather Conditions: CLOUDY
Sample Time/Date: 1410 / 5-10-11 Water Color: Clear Odor: Y / N
Approx. Flow Rate: 200ml gpm. Sediment Description: none
Did well de-water? No If yes, Time: ____ Volume: ____ gal. DTW @ Sampling: 10.02

Time (2400 hr.)	Volume (~~gal~~ L)	pH	Conductivity (µmhos/cm - ~~µS~~)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1355	3	7.02	402	10.96	2.42	69	10.01
1358	3.6	7.11	411	10.99	2.36	72	10.01
1401	4.2	7.07	412	11.02	2.36	74	10.02

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-32	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: ____

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: 5/9-5/12/11 (inclusive)
City: Seattle, WA | Sampler: KE

Well ID: MW-33
Well Diameter: 2 in.
Total Depth: 34.93 ft.
Depth to Water: 27.40 ft.
Date Monitored: 5/9/11

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.

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

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 28.90

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

Sampling Equipment:
- Disposable Bailer: ____
- Pressure Bailer: ✓
- Discrete Bailer: ____
- Peristaltic Pump: ✓
- QED Bladder Pump: ____
- Other: metal filter

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): 1315 | Weather Conditions: Cloudy
Sample Time/Date: 1355 / 5/10/11 | Water Color: Cloudy | Odor: (Y) / N | Strong
Approx. Flow Rate: 200 mL/min gpm. | Sediment Description: light
Did well de-water? NO If yes, Time: — Volume: ____ gal. DTW @ Sampling: 27.43

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm (µS))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1330	3	7.14	381	15.9	1.6	58	27.48
1333	3.6	7.06	390	15.6	1.5	49	27.52
1336	4.2	7.00	393	15.1	1.3	46	27.54

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: Retapped Everything OK

Add/Replaced Lock: ____ Add/Replaced Plug: ____ Add/Replaced Bolt: 3 9/16

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 5/9-5/12/11 (inclusive)
City: Seattle, WA Sampler: KE

Well ID MW-34 Date Monitored: 5/9/11
Well Diameter 2 in.
37.02 Total Depth [redacted] ft.
Depth to Water 26.90 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

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

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 28.92

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

Sampling Equipment:
Disposable Bailer
Pressure Bailer ✓
Discrete Bailer
Peristaltic Pump ✓
QED Bladder Pump
Other: metal filter

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): [redacted] 1210 Weather Conditions: Cloudy
Sample Time/Date: 1250 / 5/10/11 Water Color: Cloudy Odor: Y / (N)
Approx. Flow Rate: 200 ml/m ~~gpm~~ Sediment Description: moderate
Did well de-water? no If yes, Time: — Volume: — gal. DTW @ Sampling: 26.92

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm (uS))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1225	3	7.61	321	15.6	2.0	83	26.95
1228	3.6	7.53	350	15.4	1.9	80	26.97
1231	4.2	7.48	336	15.1	1.9	78	26.97

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
mw-34	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: Rotappel ok

Add/Replaced Lock: 41 Add/Replaced Plug: 24 Add/Replaced Bolt: 3 9/16

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 | Job Number: 386765
Site Address: 631 Queen Anne North | Event Date: 5-9-5/12/11 (inclusive)
City: Seattle, WA | Sampler: ML JP

Well ID: MW-35
Well Diameter: 2 in.
Total Depth: 37.21 ft.
Depth to Water: 30.00 ft.
Date Monitored: 5-9-11

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 X
Other:

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

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

Start Time (purge): 1400
Sample Time/Date: 1430 15-11-11
Approx. Flow Rate: 200ml gpm.
Did well de-water? NO If yes, Time: ____ Volume: ____ gal.

Weather Conditions: RAIN
Water Color: CLEAR Odor: (Y) / N STRONG
Sediment Description: NONE
DTW @ Sampling: 30.13

Time (2400 hr.)	Volume (gal.) L	pH	Conductivity (µmhos/cm mS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1415	3	7.21	516	8.07	2.02	-68	30.10
1418	3.6	7.07	524	8.08	1.99	-61	30.12
1421	4.2	7.16	522	8.11	1.98	-64	30.13

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: ____

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: 5/9-5/12/11 (inclusive)
City: Seattle, WA Sampler: KE

Well ID RW-2 Date Monitored: 5-9-11
Well Diameter 8 in.
Total Depth 21.06 ft.
Depth to Water 11.96 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

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

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.78

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

Sampling Equipment:
Disposable Bailer ____
Pressure Bailer ✓
Discrete Bailer ____
Peristaltic Pump ✓
QED Bladder Pump ____
Other: ~~metal bailer~~

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): 1205 Weather Conditions: Cloudy
Sample Time/Date: 1240 / 5/11/11 Water Color: Clear Odor: Y / (N)
Approx. Flow Rate: 2 gpm ~~gpm~~. Sediment Description: Clear
Did well de-water? ~0 If yes, Time: ____ Volume: ____ gal. DTW @ Sampling: 11.98

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm (µS))	Temperature (°C / °F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1220	3	7.56	198	12.6	2.4	121	12.00
1223	3.6	7.43	212	12.2	2.3	112	12.01
1226	4.2	7.37	216	11.9	2.2	106	12.03

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
RW-2	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: ____

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: 5/9-5/12/11 (inclusive)
City: Seattle, WA Sampler: ML

Well ID DPE-1
Well Diameter 4 in.
Total Depth 21.26 ft.
Depth to Water 9.85 ft.

Date Monitored: 5-9-11

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
Discrete Bailer
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):
Sample Time/Date: /
Approx. Flow Rate: gpm.
Did well de-water? If yes, Time: Volume: gal.

Weather Conditions:
Water Color: Odor: Y / N
Sediment Description:
DTW @ Sampling:

Time (2400 hr.)	Volume (gal.)	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: PUMP IN WELL

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: 5/9-5/12/11 (inclusive)
City: Seattle, WA Sampler: ML

Well ID DPE-2 Date Monitored: 5-9-11
Well Diameter 4 in.
Total Depth 24.56 ft.
Depth to Water 10.45 ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

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

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Discrete Bailer
Peristaltic Pump
QED Bladder Pump
Other:

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

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

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: NMO

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: 5/9-5/11/12 (inclusive)
City: Seattle, WA Sampler: ML

Well ID DPE-3
Well Diameter 4 in.
Total Depth 18.29 ft.
Depth to Water 10.77 ft.

Date Monitored: 5-9-11

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
Discrete Bailer
Peristaltic Pump
QED Bladder Pump
Other:

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

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

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: 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: 5/9 - 5/12/11 (inclusive)
City: Seattle, WA Sampler: ML

Well ID DPE-4
Well Diameter 4 in.
Total Depth 19.95 ft.
Depth to Water 10.47 ft.

Date Monitored: 5-9-11

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
Discrete Bailer
Peristaltic Pump
QED Bladder Pump
Other: ___

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

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

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: 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: 5/9-5/12/11 (inclusive)
City: Seattle, WA | Sampler: ML JP

Well ID: DPE-5 | Date Monitored: 5-9-11
Well Diameter: 4 in.
Total Depth: 16.65 ft.
Depth to Water: 16.16 ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

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

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Discrete Bailer
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): 1215 | Weather Conditions: Sunny
Sample Time/Date: 1245 / 5-12-11 | Water Color: Clear | Odor: Y / N light
Approx. Flow Rate: 200ml/ gpm. | Sediment Description: none
Did well de-water? No If yes, Time: ____ Volume: ____ gal. DTW @ Sampling: 16.16

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - mS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1230	3	7.30	382	9.07	1.69	-92	16.16
1233	3.6	7.37	389	9.11	1.74	-88	16.16
1236	4.2	7.34	390	9.13	1.75	-90	16.16

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010)
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS:

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: 5/9-5/12/11 (inclusive)
City: **Seattle, WA** Sampler: ML JP

Well ID DPE-6 Date Monitored: 5-9-11
Well Diameter 4 in.
Total Depth 32.77 ft.
Depth to Water 18.44 ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

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

Sampling Equipment:
Disposable Bailer ____
Pressure Bailer ____
Discrete Bailer ____
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): 1005 Weather Conditions: SUNNY
Sample Time/Date: 1035 5-12-11 Water Color: CLEAR Odor: Ø I N STRONG
Approx. Flow Rate: 200 ml ~~gpm~~. Sediment Description: NONE
Did well de-water? NO If yes, Time: ____ Volume: ____ gal. DTW @ Sampling: 18.44

Time (2400 hr.)	Volume ~~(gal)~~ L	pH	Conductivity (µmhos/cm - ~~µS~~)	Temperature (Ⓒ / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1020	3	7.36	858	10.73	2.02	-49	18.44
1023	3.6	7.31	864	10.79	1.98	-52	18.44
1026	4.2	7.30	865	10.79	1.96	-50	18.44

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
DPE6	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x ~~500ml~~ poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE SULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010)
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: ____

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: 5/9-5/12/11 (Inclusive)
City: Seattle, WA Sampler: ML

Well ID DPE-7
Well Diameter 4 in.
Total Depth 25.80 ft.
Depth to Water 18.22 ft.

Date Monitored: 5-9-11

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
Discrete Bailer
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):
Sample Time/Date:
Approx. Flow Rate: gpm.
Did well de-water? If yes, Time: Volume: gal. DTW @ Sampling:

Weather Conditions:
Water Color: Odor: Y / N
Sediment Description:

Time (2400 hr.)	Volume (gal.)	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: 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: 5/9-5/12/14 (inclusive)
City: Seattle, WA | Sampler: KE

Well ID: DPE-8 | Date Monitored: 5/9/14
Well Diameter: 4 in.
Total Depth: 23.39 ft.
Depth to Water: 11.50 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

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

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.87

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

Sampling Equipment:
- Disposable Bailer: ___
- Pressure Bailer: ✓
- Discrete Bailer: ___
- Peristaltic Pump: ✓
- QED Bladder Pump: ___
- Other: metal filter

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): 1115 | Weather Conditions: Cloudy
Sample Time/Date: 1150 / 5/11/14 | Water Color: Cloudy | Odor: Y / (N)
Approx. Flow Rate: ~~200ml/pm~~ ~~gpm~~ | Sediment Description: light
Did well de-water? no | If yes, Time: ___ | Volume: ___ gal. | DTW @ Sampling: ~~[illegible]~~

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm (µS))	Temperature (°C / °F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1130	3	6.72	294	12.8	1.8	101	11.53
1133	3.6	6.66	299	12.4	1.6	98	11.55
1136	4.2	6.60	310	12.1	1.6	91	11.59

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: ___

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: 5/9-5/12/11 (inclusive)
City: Seattle, WA Sampler: ML

Well ID DPE-9
Well Diameter 4 in.
Total Depth 16.70 ft.
Depth to Water 11.10 ft.

Date Monitored: 5-9-11

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
Discrete Bailer
Peristaltic Pump
QED Bladder Pump
Other:

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

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

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

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm or 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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: NO PUMP IN WELL

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

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only
Acct. #: 11260 Group #: 1246379 Sample #: 6283245-59

SCR #:

Facility #: SS#211577-OML G-R#386765 WBS:
Site Address: 631 Queen Anne North, SEATTLE, WA
Chevron PM: OS Lead Consultant: SAICML Lange
Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568
Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)
Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
Sampler: MIKE LOMBARD

Analyses Requested / Preservation Codes

Matrix: ☐ Potable ☐ NPDES; Soil, Water, Oil ☐ Air ☐

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil ☐ Air ☐	Total Number of Containers	BTEX 8021 ☐ 8260 ☐ Naphth ☐	Sulfide (SM20 4500 D)	Alkalinity (2320)	NWTPH GX	NWTPH DX Silica Gel Cleanup	Lead Total ☐ Diss. ☐ Method	☐ WAVPH ☐ WAEPH	NWTPH HCID ☐ quantification	Ferrous Iron (SM 3500 Fe B)	Nitrate/Nitrite/Sulfate (EPA 300.0)	Total Iron/Manganese/Calcium
QA	5-10-11		X			X		2	X			X							
MW-16		0945	X			X		14	X	X	X	X	X				X	X	X
MW-17		1150	X			X		14	X	X	X	X	X				X	X	X
MW-18		1255	X			X		14	X	X	X	X	X				X	X	X
MW-21		0945	X			X		14	X	X	X	X	X				X	X	X
MW-26		1045	X			X		14	X	X	X	X	X				X	X	X
MW-30		1040	X			X		14	X	X	X	X	X				X	X	X
MW-31		1145	X			X		14	X	X	X	X	X				X	X	X
MW-32		1410	X			X		8	X	[redacted]	[redacted]	X	X				X	X	X
MW-33		1355	X			X		14	X	X	X	X	X				X	X	X
MW-34		1250	X			X		14	X	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

Comments /Remarks

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

Ferrous iron, nitrate, nitrite, sulfate and metals not needed on MW-32. gmp 5/12/11

Turnaround Time Requested (TAT) (please circle)
STD. TAT | 72 hour | 48 hour | 24 hour | 4 day | 5 day
EDF/EDD

Data Package Options (please circle if required)
QC Summary | Type I – Full | Type VI (Raw Data)

	Date	Time
Relinquished by:	5-10-11	1700
Relinquished by:		
Relinquished by:		
Relinquished by Commercial Carrier: UPS FedEx Other		
Temperature Upon Receipt 2.7°-4.6 C°		

	Date	Time
Received by:		
Received by:		
Received by:		
Received by:	5-11-11	0930
Custody Seals Intact? Yes No		

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. #: 11260 Group # 1246379 Sample #: 6283245-59

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

Site Address: 631 Queen Anne North, SEATTLE, WA

Chevron PM: OS Lead Consultant: SAICML Lange

Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568

Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)

Consultant Phone #: 925-551-7555 Fax #: 925-551-7899

Sampler: MIKE LOMBARD

SCR #:

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water	Matrix: Oil	Matrix: Air	Total Number of Containers	Analyses Requested / Preservation Codes: BTEX + Naphth ☐ 8021 ☐ 8260	8260 full scan	Oxygenates	NWTPH GX	NWTPH DX ☐ Silica Gel Cleanup	Lead ☐ Total ☐ Diss. ☐ Method	☐ WAVPH ☐ WAEPH	NWTPH H HCID ☐ quantification
DUP-2 ~~DUP-1~~	5-10-11		X			X			6	X			X				
DUP-3 ~~DUP-2~~			X			X			6	X			X				
FB-2 ~~FB-1~~			X			X			6	X			X				
FB-3 ~~FB-2~~			X			X			6	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

Comments /Remarks

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

Sample IDs updated per J. Mayberry. jmp 5/12/11

Turnaround Time Requested (TAT) (please circle)
STD. TAT | 72 hour | 48 hour | 24 hour | 4 day | 5 day | EDF/EDD

Data Package Options (please circle if required)
QC Summary | Type I – Full | Type VI (Raw Data)

	Date	Time		Date	Time
Relinquished by:	5-10-11	1700	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	5-11-11	0930
Temperature Upon Receipt 2.7°-4.6c°			Custody Seals Intact? Yes No		

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

3468.02

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. #: ______ Group # ______ Sample #: ______

SCR #: ______

SS#211577-OML G-R#386765

Facility #: ______ WBS: ______

Site Address: 631 Queen Anne North, SEATTLE, WA

Chevron PM: OS Lead Consultant: SAICML Lange

Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568

Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)

Consultant Phone #: 925-551-7555 Fax #: 925-551-7899

Sampler: MIKE LOMBARD

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (☐ Potable ☐ NPDES)	Oil ☐ Air ☐	Total Number of Containers	BTEX + MTBE 8021 ☐ 8260 ☒ Naphth ☐ (I)	Sulfide (SM 204500 D) (O)	Alkalinity (E310B)	NWTPH GX (H)	NWTPH DX ☒ Silica Gel Cleanup (H)	Lead Total ☐ Diss. ☐ Method ___	☐ WAVPH ☐ WAEPH	NWTPH H HCID ☐ quantification	Ferrous iron (SM 3500 Fe B) (I)	Nitrate/Nitrite/Sulfate (EPA 300.0)	Total Iron/MANGANESE (6010B) (N)	
QA	5-11-11		X			X		2	X			X								
VP-4	↓	1045	X			X		8	X			X	X							
VP-5		0945	X			X		14	X	X	X	X	X				X	X	X	
VP-8		1150	X			X		14	X	X	X	X	X				X	X	X	
MW-4		1050	X			X		14	X	X	X	X	X				X	X	X	
MW-14		0940	X			X		14	X	X	X	X	X				X	X	X	
MW-15		0845	X			X		14	X	X	X	X	X				X	X	X	
MW-25		0840	X			X		14	X	X	X	X	X				X	X	X	
MW-35		1430	X			X		14	X	X	X	X	X				X	X	X	
RW-2		1240	X			X		8	X			X	X							
DDE 8	↓	1150	X			X		14	X	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

Comments /Remarks

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

Turnaround Time Requested (TAT) (please circle)

STD. TAT (circled) 72 hour 48 hour
24 hour 4 day 5 day

EDF/EDD

Data Package Options (please circle if required)

QC Summary Type I – Full
Type VI (Raw Data)

Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by: [signature]	5-11-11	1700	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by Commercial Carrier: UPS FedEx (circled) Other ______			Received by:		
Temperature Upon Receipt ______ C°			Custody Seals Intact? Yes No		

3468.02

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. #: _____ Group #_____ Sample #: _____

SCR #:_____

~~SS#211577 OML G-R#386765~~

Facility #: ~~631 Queen Anne North, SEATTLE, WA~~ WBS:

Site Address: OS SAICML Lange

Chevron PM: Lead Consultant: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568

Consultant/Office: Deanna L. Harding (deanna@grinc.com)

Consultant Prj. Mgr.:

Consultant Phone #: 925-551-7555 Fax #: 925-551-7899

Sampler: MIKE LOMBARD

Analyses Requested

Preservation Codes

Matrix

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (☐ Potable ☐ NPDES)	Oil ☐ Air ☐	Total Number of Containers	BTEX + ~~MTBE~~ 8021 ☐ 8260 ☐ Naphth ☐	~~Oxygenates~~ Sulfides (SM20 4500 S2D)	~~Oxygenates~~ Alkalinity (2320B)	NWTPH GX	NWTPH DX ☐ Silica Gel Cleanup	Lead Total ☐ Diss. ☐ Method ____	☐ WAVPH ☐ WAEPH	NWTPH H HCID ☐ quantification	Ferrous iron (SM 3500 Fe B)	Nitrate/Nitrite/Sulfate (EPA 300.0)	Total IRON/MANGANESE (6010B)
QA	5-12-11		X			X		2	X			X							
MW-6		0830	X			X		14	X	X	X	X	X				X	X	X
MW-9		0935	X			X		14	X	X	X	X	X				X	X	X
MW-10		1145	X			X		14	X	X	X	X	X				X	X	X
DPE-5		1245	X			X		8	X			X	X						
DPE-6		1035	X			X		8	X			X	X						
DUP-1			X			X		6	X			X							
FB-1			X			X		6	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

Comments /Remarks

FERROUS IRON SAMPLES HAVE BEEN FIELD FILTERED

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

Turnaround Time Requested (TAT) (please circle)

STD. TAT 72 hour 48 hour

24 hour 4 day 5 day

EDF/EDD

Data Package Options (please circle if required)

QC Summary Type I – Full

Type VI (Raw Data)

Relinquished by:	Date	Time	Received by:	Date	Time
	5-12-11	1700			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	Date	Time
Temperature Upon Receipt ____ C°			Custody Seals Intact? Yes No		

Attachment B:
Laboratory Analysis Report

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

May 23, 2011

Project: 211577

Submittal Date: 05/11/2011
Group Number: 1246379
PO Number: 0015061199
Release Number: SKANCE
State of Sample Origin: WA

Client Sample Description	Lancaster Labs (LLI) #
QA Water Sample	6283245
MW-16 Grab Water Sample	6283246
MW-17 Grab Water Sample	6283247
MW-18 Grab Water Sample	6283248
MW-21 Grab Water Sample	6283249
MW-26 Grab Water Sample	6283250
MW-30 Grab Water Sample	6283251
MW-31 Grab Water Sample	6283252
MW-32 Grab Water Sample	6283253
MW-33 Grab Water Sample	6283254
MW-34 Grab Water Sample	6283255
DUP-2 Grab Water Sample	6283256
DUP-3 Grab Water Sample	6283257
FB-2 Grab Water Sample	6283258
FB-3 Grab Water Sample	6283259

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

ELECTRONIC COPY TO	SAIC c/o Gettler-Ryan	Attn: Rachelle Munoz
ELECTRONIC COPY TO	SAIC	Attn: Mike Lange
ELECTRONIC	SAIC	Attn: Jamalyn Green

Lancaster Laboratories

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

COPY TO

Questions? Contact your Client Services Representative
Jill M Parker at (717) 656-2300 Ext. 1241

Respectfully Submitted,

Robin C. Runkle
Senior Specialist

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

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

LLI Sample # WW 6283245
LLI Group # 1246379
Account # 11260

Project Name: 211577

Collected: 05/10/2011

Submitted: 05/11/2011 09:30
Reported: 05/23/2011 15:08

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. C259

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	Z111392AA	05/19/2011 15:05	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z111392AA	05/19/2011 15:05	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11133A20A	05/16/2011 17:25	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11133A20A	05/16/2011 17:25	Laura M Krieger	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Sample Description: MW-16 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6283246
LLI Group # 1246379
Account # 11260

Project Name: 211577

Collected: 05/10/2011 09:45 by ML

Submitted: 05/11/2011 09:30
Reported: 05/23/2011 15:08

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 Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	N.D.	30	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	70	1
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	2,480	52.2	1
07058	Manganese	7439-96-5	1,660	0.84	1
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	6,400	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	17,300	1,500	5
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	55,700	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	81	10	1
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C259
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 Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6283246
LLI Group # 1246379
Account # 11260

Project Name: 211577

Collected: 05/10/2011 09:45 by ML

Submitted: 05/11/2011 09:30
Reported: 05/23/2011 15:08

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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	Z111392AA	05/19/2011 15:30	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z111392AA	05/19/2011 15:30	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11133A20A	05/17/2011 00:41	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11133A20A	05/17/2011 00:41	Laura M Krieger	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	111370023A	05/19/2011 23:39	Glorines Suarez-Rivera	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	111370023A	05/18/2011 08:30	Catherine R Wiker	1
01754	Iron	SW-846 6010B	1	111331848003	05/16/2011 03:10	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	111331848003	05/16/2011 03:10	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	111331848003	05/15/2011 12:13	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	11131196904B	05/12/2011 04:57	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11131196904B	05/12/2011 04:57	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11131196904B	05/12/2011 04:57	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11137020201B	05/17/2011 07:37	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11137020201B	05/17/2011 07:37	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11132834402A	05/12/2011 21:15	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	11132023001A	05/12/2011 08:30	Susan E Hibner	1

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Analysis Report

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

LLI Sample # WW 6283247
LLI Group # 1246379
Account # 11260

Project Name: 211577

Collected: 05/10/2011 11:50 by ML

Submitted: 05/11/2011 09:30
Reported: 05/23/2011 15:08

Chevron
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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	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 Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
02211	DRO C12-C24 w/Si Gel	n.a.	N.D.	30	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	70	1
Metals	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	912	52.2	1
07058	Manganese	7439-96-5	1,870	0.84	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	1,600	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	30,000	1,500	5
	SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
00202	Alkalinity to pH 4.5	n.a.	90,500	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		ug/l	ug/l	
08344	Ferrous Iron	n.a.	43	10	1
	SM20 4500 S2 D		ug/l	ug/l	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C259
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-17 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6283247
LLI Group # 1246379
Account # 11260

Project Name: 211577

Collected: 05/10/2011 11:50 by ML

Submitted: 05/11/2011 09:30
Reported: 05/23/2011 15:08

Chevron
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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	Z111392AA	05/19/2011 15:54	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z111392AA	05/19/2011 15:54	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11133A20A	05/16/2011 20:41	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11133A20A	05/16/2011 20:41	Laura M Krieger	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	111370023A	05/20/2011 00:00	Glorines Suarez-Rivera	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	111370023A	05/18/2011 08:30	Catherine R Wiker	1
01754	Iron	SW-846 6010B	1	111331848003	05/16/2011 03:14	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	111331848003	05/16/2011 03:14	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	111331848003	05/15/2011 12:13	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	11131196904B	05/12/2011 06:08	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11131196904B	05/12/2011 06:08	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11131196904B	05/12/2011 06:08	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11137020201B	05/17/2011 07:37	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11137020201B	05/17/2011 07:37	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11132834402A	05/12/2011 21:15	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	11132023001A	05/12/2011 08:30	Susan E Hibner	1

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Analysis Report

Sample Description: MW-18 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6283248
LLI Group # 1246379
Account # 11260

Project Name: 211577

Collected: 05/10/2011 12:55 by ML

Submitted: 05/11/2011 09:30
Reported: 05/23/2011 15:08

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	11	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.	220	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
02211	DRO C12-C24 w/Si Gel	n.a.	280	31	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	71	1
Metals	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	525	52.2	1
07058	Manganese	7439-96-5	1,050	0.84	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	6,600	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	28,100	1,500	5
	SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
00202	Alkalinity to pH 4.5	n.a.	162,000	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		ug/l	ug/l	
08344	Ferrous Iron	n.a.	31	10	1
	SM20 4500 S2 D		ug/l	ug/l	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C259
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-18 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6283248
LLI Group # 1246379
Account # 11260

Project Name: 211577

Collected: 05/10/2011 12:55 by ML

Submitted: 05/11/2011 09:30
Reported: 05/23/2011 15:08

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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	Z111392AA	05/19/2011 16:17	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z111392AA	05/19/2011 16:17	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11133A20A	05/16/2011 21:03	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11133A20A	05/16/2011 21:03	Laura M Krieger	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	111370023A	05/19/2011 21:30	Glorines Suarez-Rivera	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	111370023A	05/18/2011 08:30	Catherine R Wiker	1
01754	Iron	SW-846 6010B	1	111331848003	05/16/2011 03:17	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	111331848003	05/16/2011 03:17	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	111331848003	05/15/2011 12:13	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	11131196904B	05/12/2011 06:23	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11131196904B	05/12/2011 06:23	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11131196904B	05/12/2011 06:23	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11137020201B	05/17/2011 07:37	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11137020201B	05/17/2011 07:37	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11132834402A	05/12/2011 21:15	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	11132023001A	05/12/2011 08:30	Susan E Hibner	1

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Analysis Report

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

LLI Sample # WW 6283249
LLI Group # 1246379
Account # 11260

Project Name: 211577

Collected: 05/10/2011 09:45 by ML

Submitted: 05/11/2011 09:30
Reported: 05/23/2011 15:08

Chevron
6001 Bollinger Canyon Road
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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	82	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.	58	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
02211	DRO C12-C24 w/Si Gel	n.a.	89	30	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	70	1
Metals	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	27,200	52.2	1
07058	Manganese	7439-96-5	514	0.84	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	42,700	1,500	5
	SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
00202	Alkalinity to pH 4.5	n.a.	202,000	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		ug/l	ug/l	
08344	Ferrous Iron	n.a.	4,600	250	25
	SM20 4500 S2 D		ug/l	ug/l	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C259
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-21 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6283249
LLI Group # 1246379
Account # 11260

Project Name: 211577

Collected: 05/10/2011 09:45 by ML

Submitted: 05/11/2011 09:30
Reported: 05/23/2011 15:08

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San Ramon CA 94583

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	Z111392AA	05/19/2011 17:06	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z111392AA	05/19/2011 17:06	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11133A20A	05/16/2011 21:25	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11133A20A	05/16/2011 21:25	Laura M Krieger	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	111370023A	05/20/2011 00:43	Glorines Suarez-Rivera	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	111370023A	05/18/2011 08:30	Catherine R Wiker	1
01754	Iron	SW-846 6010B	1	111331848003	05/16/2011 03:21	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	111331848003	05/16/2011 03:21	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	111331848003	05/15/2011 12:13	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	11131196904B	05/12/2011 06:37	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11131196904B	05/12/2011 06:37	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11131196904B	05/12/2011 06:37	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11137020201B	05/17/2011 07:37	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11137020201B	05/17/2011 07:37	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11132834402A	05/12/2011 21:15	Daniel S Smith	25
00230	Sulfide	SM20 4500 S2 D	1	11132023001A	05/12/2011 08:30	Susan E Hibner	1

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Analysis Report

Sample Description: MW-26 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6283250
LLI Group # 1246379
Account # 11260

Project Name: 211577

Collected: 05/10/2011 10:45 by ML

Submitted: 05/11/2011 09:30
Reported: 05/23/2011 15:08

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 Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	57	29	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	68	1
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	N.D.	52.2	1
07058	Manganese	7439-96-5	29.7	0.84	1
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	19,400	500	10
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	51,300	1,500	5
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	93,800	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	23	10	1
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C259
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-26 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6283250
LLI Group # 1246379
Account # 11260

Project Name: 211577

Collected: 05/10/2011 10:45 by ML

Submitted: 05/11/2011 09:30
Reported: 05/23/2011 15:08

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	Z111392AA	05/19/2011 17:54	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z111392AA	05/19/2011 17:54	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11133A20A	05/16/2011 21:47	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11133A20A	05/16/2011 21:47	Laura M Krieger	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	111370023A	05/19/2011 21:52	Glorines Suarez-Rivera	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	111370023A	05/18/2011 08:30	Catherine R Wiker	1
01754	Iron	SW-846 6010B	1	111331848003	05/16/2011 03:24	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	111331848003	05/16/2011 03:24	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	111331848003	05/15/2011 12:13	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	11131196904A	05/12/2011 10:52	Ashley M Adams	10
01506	Nitrite Nitrogen	EPA 300.0	1	11131196904B	05/12/2011 06:51	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11131196904B	05/12/2011 06:51	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11137020201B	05/17/2011 07:37	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11137020201B	05/17/2011 07:37	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11132834402A	05/12/2011 21:15	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	11132023001A	05/12/2011 08:30	Susan E Hibner	1

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Analysis Report

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

LLI Sample # WW 6283251
LLI Group # 1246379
Account # 11260

Project Name: 211577

Collected: 05/10/2011 10:40 by ML

Submitted: 05/11/2011 09:30
Reported: 05/23/2011 15:08

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 Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	51	30	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	71	1
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	53,800	52.2	1
07058	Manganese	7439-96-5	4,410	0.84	1
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	23,200	500	10
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	27,600	1,500	5
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	223,000	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	N.D.	10	1
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	N.D.	110	2

Reporting limits were raised due to interference from the sample matrix.

General Sample Comments

State of Washington Lab Certification No. C259
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.

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Analysis Report

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

LLI Sample # WW 6283251
LLI Group # 1246379
Account # 11260

Project Name: 211577

Collected: 05/10/2011 10:40 by ML

Submitted: 05/11/2011 09:30
Reported: 05/23/2011 15:08

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	Z111392AA	05/19/2011 18:18	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z111392AA	05/19/2011 18:18	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11133A20A	05/16/2011 22:09	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11133A20A	05/16/2011 22:09	Laura M Krieger	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	111370023A	05/19/2011 22:13	Glorines Suarez-Rivera	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	111370023A	05/18/2011 08:30	Catherine R Wiker	1
01754	Iron	SW-846 6010B	1	111331848003	05/16/2011 03:28	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	111331848003	05/16/2011 03:28	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	111331848003	05/15/2011 12:13	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	11131196904A	05/12/2011 11:07	Ashley M Adams	10
01506	Nitrite Nitrogen	EPA 300.0	1	11131196904B	05/12/2011 07:05	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11131196904B	05/12/2011 07:05	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11137020201B	05/17/2011 07:37	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11137020201B	05/17/2011 07:37	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11132834402A	05/12/2011 21:15	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	11132023001A	05/12/2011 08:30	Susan E Hibner	2

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Analysis Report

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

LLI Sample # WW 6283252
LLI Group # 1246379
Account # 11260

Project Name: 211577

Collected: 05/10/2011 11:45 by ML

Submitted: 05/11/2011 09:30
Reported: 05/23/2011 15:08

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 Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	N.D.	31	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	72	1
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	177,000	52.2	1
07058	Manganese	7439-96-5	4,950	0.84	1
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	900	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	43,700	1,500	5
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	136,000	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	N.D.	10	1
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	N.D.	220	4

Reporting limits were raised due to interference from the sample matrix.

General Sample Comments

State of Washington Lab Certification No. C259
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.

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Analysis Report

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

LLI Sample # WW 6283252
LLI Group # 1246379
Account # 11260

Project Name: 211577

Collected: 05/10/2011 11:45 by ML

Submitted: 05/11/2011 09:30
Reported: 05/23/2011 15:08

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	Z111392AA	05/19/2011 18:42	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z111392AA	05/19/2011 18:42	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11133A20A	05/16/2011 22:31	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11133A20A	05/16/2011 22:31	Laura M Krieger	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	111370023A	05/19/2011 22:35	Glorines Suarez-Rivera	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	111370023A	05/18/2011 08:30	Catherine R Wiker	1
01754	Iron	SW-846 6010B	1	111331848003	05/16/2011 03:39	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	111331848003	05/16/2011 03:39	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	111331848003	05/15/2011 12:13	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	11131196904B	05/12/2011 07:19	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11131196904B	05/12/2011 07:19	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11131196904B	05/12/2011 07:19	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11137020201B	05/17/2011 07:37	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11137020201B	05/17/2011 07:37	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11132834402A	05/12/2011 21:15	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	11132023001A	05/12/2011 08:30	Susan E Hibner	4

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Analysis Report

Sample Description: MW-32 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6283253
LLI Group # 1246379
Account # 11260

Project Name: 211577

Collected: 05/10/2011 14:10 by ML

Submitted: 05/11/2011 09:30
Reported: 05/23/2011 15:08

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 Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	34	30	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	69	1

General Sample Comments

State of Washington Lab Certification No. C259

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	Z111392AA	05/19/2011 19:06	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z111392AA	05/19/2011 19:06	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11133A20A	05/16/2011 22:52	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11133A20A	05/16/2011 22:52	Laura M Krieger	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	111370023A	05/20/2011 00:22	Glorines Suarez-Rivera	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	111370023A	05/18/2011 08:30	Catherine R Wiker	1

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Analysis Report

Sample Description: MW-33 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6283254
LLI Group # 1246379
Account # 11260

Project Name: 211577

Collected: 05/10/2011 13:55 by ML

Submitted: 05/11/2011 09:30
Reported: 05/23/2011 15:08

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	460	3	5
10943	Ethylbenzene	100-41-4	56	3	5
10943	Toluene	108-88-3	7	3	5
10943	Xylene (Total)	1330-20-7	20	3	5
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	530	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
02211	DRO C12-C24 w/Si Gel	n.a.	480	30	1
02211	HRO C24-C40 w/Si Gel	n.a.	100	70	1
Metals	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	7,480	52.2	1
07058	Manganese	7439-96-5	520	0.84	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	42,600	1,500	5
	SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
00202	Alkalinity to pH 4.5	n.a.	236,000	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		ug/l	ug/l	
08344	Ferrous Iron	n.a.	3,200	200	20
	SM20 4500 S2 D		ug/l	ug/l	
00230	Sulfide	18496-25-8	1,600	54	1

General Sample Comments

State of Washington Lab Certification No. C259
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-33 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6283254
LLI Group # 1246379
Account # 11260

Project Name: 211577

Collected: 05/10/2011 13:55 by ML

Submitted: 05/11/2011 09:30
Reported: 05/23/2011 15:08

Chevron
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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	Z111392AA	05/19/2011 19:30	Daniel H Heller	5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z111392AA	05/19/2011 19:30	Daniel H Heller	5
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11133A20A	05/17/2011 11:24	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11133A20A	05/17/2011 11:24	Laura M Krieger	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	111370023A	05/19/2011 22:56	Glorines Suarez-Rivera	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	111370023A	05/18/2011 08:30	Catherine R Wiker	1
01754	Iron	SW-846 6010B	1	111331848003	05/16/2011 03:44	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	111331848003	05/16/2011 03:44	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	111331848003	05/15/2011 12:13	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	11131196904B	05/12/2011 07:34	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11131196904B	05/12/2011 07:34	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11131196904B	05/12/2011 07:34	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11137020201B	05/17/2011 07:37	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11137020201B	05/17/2011 07:37	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11132834402A	05/12/2011 21:15	Daniel S Smith	20
00230	Sulfide	SM20 4500 S2 D	1	11132023001A	05/12/2011 08:30	Susan E Hibner	1

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Analysis Report

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

LLI Sample # WW 6283255
LLI Group # 1246379
Account # 11260

Project Name: 211577

Collected: 05/10/2011 12:50 by ML

Submitted: 05/11/2011 09:30
Reported: 05/23/2011 15:08

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 Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
02211	DRO C12-C24 w/Si Gel	n.a.	N.D.	60	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	140	1
	Reporting limits were raised due to interference from the sample matrix.				
Metals	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	311,000	261	5
07058	Manganese	7439-96-5	5,820	0.84	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	12,400	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	23,200	1,500	5
	SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
00202	Alkalinity to pH 4.5	n.a.	84,700	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		ug/l	ug/l	
08344	Ferrous Iron	n.a.	N.D.	10	1
	SM20 4500 S2 D		ug/l	ug/l	
00230	Sulfide	18496-25-8	N.D.	540	10
	Reporting limits were raised due to interference from the sample matrix.				

General Sample Comments

State of Washington Lab Certification No. C259
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.

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Analysis Report

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

LLI Sample # WW 6283255
LLI Group # 1246379
Account # 11260

Project Name: 211577

Collected: 05/10/2011 12:50 by ML

Submitted: 05/11/2011 09:30
Reported: 05/23/2011 15:08

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	Z111392AA	05/19/2011 20:18	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z111392AA	05/19/2011 20:18	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11133A20A	05/16/2011 23:14	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11133A20A	05/16/2011 23:14	Laura M Krieger	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	111380003A	05/20/2011 12:44	Dustin A Underkoffler	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	111380003A	05/18/2011 10:30	Roza S Goslawska	1
01754	Iron	SW-846 6010B	1	111331848003	05/16/2011 07:53	Tara L Snyder	5
07058	Manganese	SW-846 6010B	1	111331848003	05/16/2011 03:47	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	111331848003	05/15/2011 12:13	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	11131196904B	05/12/2011 07:48	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11131196904B	05/12/2011 07:48	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11131196904B	05/12/2011 07:48	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11137020201B	05/17/2011 07:37	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11137020201B	05/17/2011 07:37	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11132834402A	05/12/2011 21:15	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	11132023001A	05/12/2011 08:30	Susan E Hibner	10

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Analysis Report

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

LLI Sample # WW 6283256
LLI Group # 1246379
Account # 11260

Project Name: 211577

Collected: 05/10/2011 by ML

Submitted: 05/11/2011 09:30
Reported: 05/23/2011 15:08

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	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. C259

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	Z111392AA	05/19/2011 20:43	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z111392AA	05/19/2011 20:43	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11137A20A	05/18/2011 13:13	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11137A20A	05/18/2011 13:13	Laura M Krieger	1

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Analysis Report

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

LLI Sample # WW 6283257
LLI Group # 1246379
Account # 11260

Project Name: 211577

Collected: 05/10/2011 by ML

Submitted: 05/11/2011 09:30
Reported: 05/23/2011 15:08

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	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. C259

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	D111331AA	05/13/2011 22:15	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D111331AA	05/13/2011 22:15	Kelly E Keller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11137A20A	05/18/2011 13:35	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11137A20A	05/18/2011 13:35	Laura M Krieger	1

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Analysis Report

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

LLI Sample # WW 6283258
LLI Group # 1246379
Account # 11260

Project Name: 211577

Collected: 05/10/2011 by ML

Submitted: 05/11/2011 09:30
Reported: 05/23/2011 15:08

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. C259

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	D111331AA	05/13/2011 23:22	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D111331AA	05/13/2011 23:22	Kelly E Keller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11137A20A	05/18/2011 12:08	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11137A20A	05/18/2011 12:08	Laura M Krieger	1

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Analysis Report

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

LLI Sample # WW 6283259
LLI Group # 1246379
Account # 11260

Project Name: 211577

Collected: 05/10/2011 by ML

Submitted: 05/11/2011 09:30
Reported: 05/23/2011 15:08

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. C259

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	D111331AA	05/13/2011 23:43	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D111331AA	05/13/2011 23:43	Kelly E Keller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11137A20A	05/18/2011 12:30	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11137A20A	05/18/2011 12:30	Laura M Krieger	1

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Analysis Report

Quality Control Summary

Client Name: Chevron
Group Number: 1246379
Reported: 05/23/11 at 03:08 PM

Matrix QC may not be reported if 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.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: D111331AA	Sample number(s): 6283257-6283259							
Benzene	N.D.	0.5	ug/l	96		79-120		
Ethylbenzene	N.D.	0.5	ug/l	94		79-120		
Toluene	N.D.	0.5	ug/l	96		79-120		
Xylene (Total)	N.D.	0.5	ug/l	94		80-120		
Batch number: Z111392AA	Sample number(s): 6283245-6283256							
Benzene	N.D.	0.5	ug/l	107		79-120		
Ethylbenzene	N.D.	0.5	ug/l	108		79-120		
Toluene	N.D.	0.5	ug/l	109		79-120		
Xylene (Total)	N.D.	0.5	ug/l	107		80-120		
Batch number: 11133A20A	Sample number(s): 6283245-6283255							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	91	90	75-135	1	30
Batch number: 11137A20A	Sample number(s): 6283256-6283259							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	91	91	75-135	0	30
Batch number: 111370023A	Sample number(s): 6283246-6283254							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	79	85	56-103	8	20
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 111380003A	Sample number(s): 6283255							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	78		56-103		
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 111331848003	Sample number(s): 6283246-6283252,6283254-6283255							
Iron	N.D.	52.2	ug/l	104		90-112		
Manganese	N.D.	0.84	ug/l	102		90-110		
Batch number: 11131196904A	Sample number(s): 6283250-6283251							
Nitrate Nitrogen	N.D.	50.	ug/l	95		90-110		
Batch number: 11131196904B	Sample number(s): 6283246-6283252,6283254-6283255							
Nitrate Nitrogen	N.D.	50.	ug/l	95		90-110		
Nitrite Nitrogen	N.D.	80.	ug/l	96		90-110		
Sulfate	N.D.	300.	ug/l	91		90-110		
Batch number: 11132023001A	Sample number(s): 6283246-6283252,6283254-6283255							
Sulfide	N.D.	54.	ug/l	106		90-110		
Batch number: 11132834402A	Sample number(s): 6283246-6283252,6283254-6283255							
Ferrous Iron	N.D.	10.	ug/l	96		92-105		
Batch number: 11137020201B	Sample number(s): 6283246-6283252,6283254-6283255							
Alkalinity to pH 4.5	N.D.	460.	ug/l as CaCO3	100		98-103		

*- 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: 1246379
Reported: 05/23/11 at 03:08 PM

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max

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: D111331AA	Sample number(s): 6283257-6283259 UNSPK: 6283257								
Benzene	104	106	80-126	2	30				
Ethylbenzene	103	106	71-134	2	30				
Toluene	106	109	80-125	3	30				
Xylene (Total)	103	104	79-125	1	30				
Batch number: Z111392AA	Sample number(s): 6283245-6283256 UNSPK: P283370								
Benzene	352 (2)	168 (2)	80-126	8	30				
Ethylbenzene	-219 (2)	-130 (2)	71-134	7	30				
Toluene	-1210 (2)	-774 (2)	80-125	49*	30				
Xylene (Total)	-705 (2)	-414 (2)	79-125	58*	30				
Batch number: 111380003A	Sample number(s): 6283255 BKG: 6283255								
DRO C12-C24 w/Si Gel						N.D.	N.D.	0 (1)	20
HRO C24-C40 w/Si Gel						N.D.	N.D.	0 (1)	20
Batch number: 111331848003	Sample number(s): 6283246-6283252,6283254-6283255 UNSPK: P286241 BKG: P286241								
Iron	106	104	75-125	2	20	N.D.	N.D.	0 (1)	20
Manganese	103	103	75-125	0	20	425	422	1	20
Batch number: 11131196904A	Sample number(s): 6283250-6283251 UNSPK: P282680 BKG: P282680								
Nitrate Nitrogen	73*		90-110			1,700	1,800	4 (1)	20
Batch number: 11131196904B	Sample number(s): 6283246-6283252,6283254-6283255 UNSPK: 6283246 BKG: 6283246								
Nitrate Nitrogen	69*		90-110			6,400	6,400	1	20
Nitrite Nitrogen	78*		90-110			N.D.	N.D.	0 (1)	20
Sulfate	77*		90-110			17,300	17,300	0 (1)	20
Batch number: 11132023001A	Sample number(s): 6283246-6283252,6283254-6283255 UNSPK: P279632 BKG: P279632								
Sulfide	89	86	50-130	4	10	N.D.	N.D.	0 (1)	5
Batch number: 11132834402A	Sample number(s): 6283246-6283252,6283254-6283255 UNSPK: 6283254 BKG: 6283254								
Ferrous Iron	95	96	83-108	1	6	3,200	3,200	1 (1)	5
Batch number: 11137020201B	Sample number(s): 6283246-6283252,6283254-6283255 UNSPK: P282680 BKG: 6283249								
Alkalinity to pH 4.5	100		73-121			202,000	203,000	0	5
Alkalinity to pH 8.3						N.D.	N.D.	0 (1)	5

Surrogate Quality Control

*- 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: 1246379
Reported: 05/23/11 at 03:08 PM

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: D111331AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6283257	101	99	101	95
6283258	101	101	100	92
6283259	101	103	101	96
Blank	100	96	100	94
LCS	99	99	100	97
MS	101	103	102	100
MSD	99	100	99	98
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water
Batch number: Z111392AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6283245	91	94	99	97
6283246	91	96	99	99
6283247	90	95	99	98
6283248	92	96	100	100
6283249	92	95	99	99
6283250	91	95	99	100
6283251	91	95	100	98
6283252	92	95	99	98
6283253	91	93	100	98
6283254	90	95	100	100
6283255	91	96	99	99
6283256	90	93	99	99
Blank	91	98	100	99
LCS	91	100	100	100
MS	91	97	101	99
MSD	90	96	102	101
Limits:	80-116	77-113	80-113	78-113

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 11133A20A

	Trifluorotoluene-F
6283245	75
6283246	74
6283247	72
6283248	90
6283249	86
6283250	74
6283251	74
6283252	72
6283253	70
6283254	122
6283255	72
Blank	72
LCS	112

*- 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: 05/23/11 at 03:08 PM

Group Number: 1246379

Surrogate Quality Control

	Trifluorotoluene-F
LCSD	105
Limits:	63-135

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 11137A20A

	Trifluorotoluene-F
6283256	73
6283257	75
6283258	73
6283259	73
Blank	71
LCS	105
LCSD	106
Limits:	63-135

Analysis Name: NWTPH-Dx water w/Si Gel
Batch number: 111370023A

	Orthoterphenyl
6283246	92
6283247	94
6283248	102
6283249	88
6283250	95
6283251	93
6283252	97
6283253	97
6283254	100
Blank	98
LCS	106
LCSD	113
Limits:	50-150

Analysis Name: NWTPH-Dx water w/Si Gel
Batch number: 111380003A

	Orthoterphenyl
6283255	91
Blank	94
DUP	89
LCS	105
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

Lancaster Laboratories

For Lancaster Laboratories use only
Acct. #: 11260 Group # 1246379 Sample #: 6283245-59

SCR #:

Facility #: SS#211577-OML G-R#386765 WBS:
Site Address: 631 Queen Anne North, SEATTLE, WA
Chevron PM: OS Lead Consultant: SAICML Lange
Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568
Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)
Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
Sampler: MIKE LOMBARD

Matrix: ☐ Potable ☐ NPDES; Soil; Water; Oil ☐ Air ☐

Analyses Requested / Preservation Codes

Sample Identification	Date Collected	Time Collected	Grab	Composite	Total Number of Containers	BTEX ☐ 8021 ☐ 8260 ☐ Naphth	Alkalinity (2320B) H	NWTPH GX	NWTPH DX ☒ Silica Gel Cleanup	Lead ☐ Total ☐ Diss. ☐ Method	☐ WAVPH ☐ WAEPH	NWTPH H HCID ☐ quantification	Ferrous Iron (SM 3500 Fe B) H	Nitrate/Nitrite/Sulfate (EPA 300)	Total Iron/Manganese (6010B) H
QA	5-10-11		X		2	X		X							
MW-16		0945	X		14	X	X	X	X				X	X	X
MW-17		1150	X		14	X	X	X	X				X	X	X
MW-18		1255	X		14	X	X	X	X				X	X	X
MW-21		0945	X		14	X	X	X	X				X	X	X
MW-26		1045	X		14	X	X	X	X				X	X	X
MW-30		1040	X		14	X	X	X	X				X	X	X
MW-31		1145	X		14	X	X	X	X				X	X	X
MW-32		1410	X		8	X	[redacted]	X	X				X	X	X
MW-33		1355	X		14	X	X	X	X				X	X	X
MW-34		1250	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

Comments /Remarks

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

Ferrous iron, nitrate, nitrite, sulfate and metals not needed on MW-32. gmp 5/12/11

Turnaround Time Requested (TAT) (please circle)
(STD. TAT) 72 hour 48 hour
24 hour 4 day 5 day
EDF/EDD

Data Package Options (please circle if required)
QC Summary Type I – Full
Type VI (Raw Data)

Relinquished by:	Date	Time	Received by:	Date	Time
	5-10-11	1700			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS (FedEx) Other			Received by:	5-11-11	0930

Temperature Upon Receipt 2.7°-4.6 C° Custody Seals Intact? (Yes) No

3468.02

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. #: 11260 Group # 1246379 Sample #: 6283245-59

SCR #:

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

Site Address: 631 Queen Anne North, SEATTLE, WA

Chevron PM: OS Lead Consultant: SAICML Lange

Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568

Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)

Consultant Phone #: 925-551-7555 Fax #: 925-551-7899

Sampler: MIKE LOMBARD

Analyses Requested

Preservation Codes

- ☐ 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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water (☐ Potable ☐ NPDES)	Matrix: Oil ☐ Air ☐	Total Number of Containers	BTEX + 8021 ☐ 8260 ☐ Naphth ☐	8260 full scan	Oxygenates ____	NWTPH GX	NWTPH DX ☐ Silica Gel Cleanup	Lead Total ☐ Diss. ☐ Method ____	☐ WAVPH ☐ WAEPH	NWTPH H HCID ☐ quantification
DUP-2 ~~DUP-1~~	5-10-11		X			X		6	X			X				
DUP-3 ~~DUP-2~~	↓		X			X		6	X			X				
FB-2 ~~FB-1~~			X			X		6	X			X				
FB-3 ~~FB-2~~			X			X		6	X			X				

Comments /Remarks

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

Sample IDs updated per J. Mayberry. jmp 5/12/11

Turnaround Time Requested (TAT) (please circle)

STD. TAT 72 hour 48 hour
24 hour 4 day 5 day

EDF/EDD

Data Package Options (please circle if required)

QC Summary Type I – Full
Type VI (Raw Data)

	Date	Time		Date	Time
Relinquished by:	5-10-11	1700	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	5-11-11	0930
Temperature Upon Receipt 2.7°-4.6°C			Custody Seals Intact? Yes No		

Lancaster Laboratories

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)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

< 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

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

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 of gas 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.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	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.

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Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

May 27, 2011

Project: 211577

Submittal Date: 05/12/2011
Group Number: 1246604
PO Number: 0015061199
Release Number: SKANCE
State of Sample Origin: WA

Client Sample Description	Lancaster Labs (LLI) #
QA Water Sample	6285013
VP-4 Grab Water Sample	6285014
VP-5 Grab Water Sample	6285015
VP-8 Grab Water Sample	6285016
MW-4 Grab Water Sample	6285017
MW-14 Grab Water Sample	6285018
MW-15 Grab Water Sample	6285019
MW-25 Grab Water Sample	6285020
MW-35 Grab Water Sample	6285021
RW-2 Grab Water Sample	6285022
PPE-8 Grab Water Sample	6285023

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

ELECTRONIC COPY TO	SAIC c/o Gettler-Ryan	Attn: Rachelle Munoz
ELECTRONIC COPY TO	SAIC	Attn: Mike Lange
ELECTRONIC COPY TO	SAIC	Attn: Jamalyn Green

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Analysis Report

Questions? Contact your Client Services Representative
Jill M Parker at (717) 656-2300 Ext. 1241

Respectfully Submitted,

Robert Heisey

Robert Heisey
Senior Specialist

Lancaster Laboratories

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Analysis Report

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

LLI Sample # WW 6285013
LLI Group # 1246604
Account # 11260

Project Name: 211577

Collected: 05/11/2011

Submitted: 05/12/2011 09:30
Reported: 05/27/2011 12:08

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAQAS

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. C259

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	P111372AA	05/17/2011 14:37	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P111372AA	05/17/2011 14:37	Emily R Styer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11137A20A	05/18/2011 12:51	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11137A20A	05/18/2011 12:51	Laura M Krieger	1

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Analysis Report

Sample Description: VP-4 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6285014
LLI Group # 1246604
Account # 11260

Project Name: 211577

Collected: 05/11/2011 10:45 by ML

Submitted: 05/12/2011 09:30
Reported: 05/27/2011 12:08

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	1	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	7	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	280	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	2,200	150	5
02211	HRO C24-C40 w/Si Gel	n.a.	510	340	5

General Sample Comments

State of Washington Lab Certification No. C259

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	P111372AA	05/17/2011 15:04	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P111372AA	05/17/2011 15:04	Emily R Styer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11137A20A	05/18/2011 16:08	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11137A20A	05/18/2011 16:08	Laura M Krieger	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	111380003A	05/20/2011 15:36	Dustin A Underkoffler	5
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	111380003A	05/18/2011 10:30	Roza S Goslawska	1

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Analysis Report

Sample Description: VP-5 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6285015
LLI Group # 1246604
Account # 11260

Project Name: 211577

Collected: 05/11/2011 09:45 by ML

Submitted: 05/12/2011 09:30
Reported: 05/27/2011 12:08

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	0.8	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.	80	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	310	29	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	1,240	52.2	1
07058	Manganese	7439-96-5	1,480	0.84	1
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	5,000	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	70,100	1,500	5
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	63,100	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	560	10	1
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C259
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 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6285015
LLI Group # 1246604
Account # 11260

Project Name: 211577

Collected: 05/11/2011 09:45 by ML

Submitted: 05/12/2011 09:30
Reported: 05/27/2011 12:08

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	P111372AA	05/17/2011 15:32	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P111372AA	05/17/2011 15:32	Emily R Styer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11137A20A	05/18/2011 16:29	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11137A20A	05/18/2011 16:29	Laura M Krieger	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	111380003A	05/20/2011 14:10	Dustin A Underkoffler	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	111380003A	05/18/2011 10:30	Roza S Goslawska	1
01754	Iron	SW-846 6010B	1	111331848006	05/16/2011 18:37	John P Hook	1
07058	Manganese	SW-846 6010B	1	111331848006	05/16/2011 18:37	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	111331848006	05/16/2011 10:08	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	11132196903A	05/13/2011 10:38	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11132196903A	05/13/2011 10:38	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11132196903A	05/13/2011 10:38	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11140020201A	05/20/2011 06:35	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11140020201A	05/20/2011 06:35	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11134834401A	05/14/2011 06:35	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	11136023001A	05/16/2011 09:35	Susan E Hibner	1

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Analysis Report

Sample Description: VP-8 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6285016
LLI Group # 1246604
Account # 11260

Project Name: 211577

Collected: 05/11/2011 11:50 by ML

Submitted: 05/12/2011 09:30
Reported: 05/27/2011 12:08

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASV8

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.	220	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	140	30	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	69	1
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	1,460	52.2	1
07058	Manganese	7439-96-5	122	0.84	1
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	3,800	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	57,800	1,500	5
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	137,000	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	500	10	1
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C259
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

Lancaster Laboratories

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Analysis Report

Sample Description: VP-8 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6285016
LLI Group # 1246604
Account # 11260

Project Name: 211577

Collected: 05/11/2011 11:50 by ML

Submitted: 05/12/2011 09:30
Reported: 05/27/2011 12:08

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASV8

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	P111372AA	05/17/2011 16:00	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P111372AA	05/17/2011 16:00	Emily R Styer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11137A20A	05/18/2011 16:51	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11137A20A	05/18/2011 16:51	Laura M Krieger	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	111380003A	05/20/2011 14:32	Dustin A Underkoffler	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	111380003A	05/18/2011 10:30	Roza S Goslawska	1
01754	Iron	SW-846 6010B	1	111331848006	05/16/2011 18:41	John P Hook	1
07058	Manganese	SW-846 6010B	1	111331848006	05/16/2011 18:41	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	111331848006	05/16/2011 10:08	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	11132196903A	05/13/2011 12:06	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11132196903A	05/13/2011 12:06	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11132196903A	05/13/2011 12:06	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11140020201A	05/20/2011 06:35	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11140020201A	05/20/2011 06:35	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11134834401A	05/14/2011 06:35	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	11136023001A	05/16/2011 09:35	Susan E Hibner	1

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Analysis Report

Sample Description: MW-4 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6285017
LLI Group # 1246604
Account # 11260

Project Name: 211577

Collected: 05/11/2011 10:50 by ML

Submitted: 05/12/2011 09:30
Reported: 05/27/2011 12:08

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASM4

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	52	0.5	1
10943	Ethylbenzene	100-41-4	3	0.5	1
10943	Toluene	108-88-3	2	0.5	1
10943	Xylene (Total)	1330-20-7	6	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	3,100	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	8,100	150	5
02211	HRO C24-C40 w/Si Gel	n.a.	1,100	350	5
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	6,760	52.2	1
07058	Manganese	7439-96-5	6,130	0.84	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	27,800	1,500	5
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	255,000	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	1,500	50	5
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C259
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-4 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6285017
LLI Group # 1246604
Account # 11260

Project Name: 211577

Collected: 05/11/2011 10:50 by ML

Submitted: 05/12/2011 09:30
Reported: 05/27/2011 12:08

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASM4

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	P111372AA	05/17/2011 16:28	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P111372AA	05/17/2011 16:28	Emily R Styer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11137A20A	05/18/2011 17:13	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11137A20A	05/18/2011 17:13	Laura M Krieger	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	111380003A	05/20/2011 15:58	Dustin A Underkoffler	5
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	111380003A	05/18/2011 10:30	Roza S Goslawska	1
01754	Iron	SW-846 6010B	1	111361848005	05/18/2011 03:08	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	111361848005	05/18/2011 03:08	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	111361848005	05/17/2011 10:50	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	11132196903A	05/13/2011 11:52	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11132196903A	05/13/2011 11:52	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11132196903A	05/13/2011 11:52	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11140020201A	05/20/2011 06:35	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11140020201A	05/20/2011 06:35	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11134834401A	05/14/2011 06:35	Daniel S Smith	5
00230	Sulfide	SM20 4500 S2 D	1	11136023001A	05/16/2011 09:35	Susan E Hibner	1

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Analysis Report

Sample Description: MW-14 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6285018
LLI Group # 1246604
Account # 11260

Project Name: 211577

Collected: 05/11/2011 09:40 by ML

Submitted: 05/12/2011 09:30
Reported: 05/27/2011 12:08

Chevron
6001 Bollinger Canyon Road
L4310
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	11	0.5	1
10943	Ethylbenzene	100-41-4	3	0.5	1
10943	Toluene	108-88-3	3	0.5	1
10943	Xylene (Total)	1330-20-7	8	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	3,400	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	2,500	60	2
02211	HRO C24-C40 w/Si Gel	n.a.	350	140	2
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	14,900	52.2	1
07058	Manganese	7439-96-5	6,770	0.84	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	33,300	1,500	5
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	320,000	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	10,700	250	25
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	130	54	1

General Sample Comments

State of Washington Lab Certification No. C259
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 Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6285018
LLI Group # 1246604
Account # 11260

Project Name: 211577

Collected: 05/11/2011 09:40 by ML

Submitted: 05/12/2011 09:30
Reported: 05/27/2011 12:08

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	P111372AA	05/17/2011 16:55	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P111372AA	05/17/2011 16:55	Emily R Styer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11137A20A	05/18/2011 17:35	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11137A20A	05/18/2011 17:35	Laura M Krieger	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	111380027A	05/21/2011 14:08	Dustin A Underkoffler	2
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	111380027A	05/19/2011 08:40	Catherine R Wiker	1
01754	Iron	SW-846 6010B	1	111361848005	05/18/2011 03:12	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	111361848005	05/18/2011 03:12	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	111361848005	05/17/2011 10:50	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	11132196903A	05/13/2011 10:24	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11132196903A	05/13/2011 10:24	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11132196903A	05/13/2011 10:24	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11140020201A	05/20/2011 06:35	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11140020201A	05/20/2011 06:35	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11134834401A	05/14/2011 06:35	Daniel S Smith	25
00230	Sulfide	SM20 4500 S2 D	1	11136023002A	05/16/2011 13:50	Susan E Hibner	1

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Analysis Report

Sample Description: MW-15 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6285019
LLI Group # 1246604
Account # 11260

Project Name: 211577

Collected: 05/11/2011 08:45 by ML

Submitted: 05/12/2011 09:30
Reported: 05/27/2011 12:08

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	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 Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	N.D.	32	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	75	1
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	793	52.2	1
07058	Manganese	7439-96-5	146	0.84	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	2,700	1,500	5
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	42,200	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	44	10	1
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C259
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 Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6285019
LLI Group # 1246604
Account # 11260

Project Name: 211577

Collected: 05/11/2011 08:45 by ML

Submitted: 05/12/2011 09:30
Reported: 05/27/2011 12:08

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	P111372AA	05/17/2011 17:23	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P111372AA	05/17/2011 17:23	Emily R Styer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11137A20A	05/18/2011 17:57	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11137A20A	05/18/2011 17:57	Laura M Krieger	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	111380027A	05/20/2011 19:06	Dustin A Underkoffler	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	111380027A	05/19/2011 08:40	Catherine R Wiker	1
01754	Iron	SW-846 6010B	1	111361848005	05/18/2011 03:15	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	111361848005	05/18/2011 03:15	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	111361848005	05/17/2011 10:50	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	11132196903A	05/13/2011 10:09	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11132196903A	05/13/2011 10:09	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11132196903A	05/13/2011 10:09	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11140020201A	05/20/2011 06:35	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11140020201A	05/20/2011 06:35	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11134834401A	05/14/2011 06:35	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	11136023002A	05/16/2011 13:50	Susan E Hibner	1

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Analysis Report

Sample Description: MW-25 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6285020
LLI Group # 1246604
Account # 11260

Project Name: 211577

Collected: 05/11/2011 08:40 by ML

Submitted: 05/12/2011 09:30
Reported: 05/27/2011 12:08

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 Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	560	30	1
02211	HRO C24-C40 w/Si Gel	n.a.	180	71	1
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	1,460	52.2	1
07058	Manganese	7439-96-5	1,430	0.84	1
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	890	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	21,200	1,500	5
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	157,000	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	51	10	1
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C259
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-25 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6285020
LLI Group # 1246604
Account # 11260

Project Name: 211577

Collected: 05/11/2011 08:40 by ML

Submitted: 05/12/2011 09:30
Reported: 05/27/2011 12:08

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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	P111372AA	05/17/2011 17:51	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P111372AA	05/17/2011 17:51	Emily R Styer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11137A20A	05/18/2011 18:18	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11137A20A	05/18/2011 18:18	Laura M Krieger	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	111380027A	05/20/2011 20:10	Dustin A Underkoffler	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	111380027A	05/19/2011 08:40	Catherine R Wiker	1
01754	Iron	SW-846 6010B	1	111361848005	05/18/2011 03:18	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	111361848005	05/18/2011 03:18	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	111361848005	05/17/2011 10:50	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	11132196903A	05/13/2011 09:54	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11132196903A	05/13/2011 09:54	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11132196903A	05/13/2011 09:54	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11140020201A	05/20/2011 06:35	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11140020201A	05/20/2011 06:35	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11134834401A	05/14/2011 06:35	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	11136023002A	05/16/2011 13:50	Susan E Hibner	1

Lancaster Laboratories

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Analysis Report

Sample Description: MW-35 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6285021
LLI Group # 1246604
Account # 11260

Project Name: 211577

Collected: 05/11/2011 14:30 by ML

Submitted: 05/12/2011 09:30
Reported: 05/27/2011 12:08

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	4	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 Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	60	30	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	70	1
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	59,800	52.2	1
07058	Manganese	7439-96-5	3,040	0.84	1
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	710	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	74,900	1,500	5
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	176,000	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	980	50	5
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C259
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

Lancaster Laboratories

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Analysis Report

Sample Description: MW-35 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6285021
LLI Group # 1246604
Account # 11260

Project Name: 211577

Collected: 05/11/2011 14:30 by ML

Submitted: 05/12/2011 09:30
Reported: 05/27/2011 12:08

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	F111383AA	05/19/2011 00:04	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F111383AA	05/19/2011 00:04	Kelly E Keller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11137A20A	05/18/2011 18:40	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11137A20A	05/18/2011 18:40	Laura M Krieger	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	111380027A	05/20/2011 19:27	Dustin A Underkoffler	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	111380027A	05/19/2011 08:40	Catherine R Wiker	1
01754	Iron	SW-846 6010B	1	111361848005	05/18/2011 03:22	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	111361848005	05/18/2011 03:22	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	111361848005	05/17/2011 10:50	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	11132196903A	05/13/2011 12:36	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11132196903A	05/13/2011 12:36	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11132196903A	05/13/2011 12:36	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11140020201A	05/20/2011 06:35	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11140020201A	05/20/2011 06:35	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11134834401A	05/14/2011 06:35	Daniel S Smith	5
00230	Sulfide	SM20 4500 S2 D	1	11136023002A	05/16/2011 13:50	Susan E Hibner	1

Lancaster Laboratories

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Analysis Report

Sample Description: PPE-8 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6285023
LLI Group # 1246604
Account # 11260

Project Name: 211577

Collected: 05/11/2011 11:50 by ML

Submitted: 05/12/2011 09:30
Reported: 05/27/2011 12:08

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	P111372AA	05/17/2011 19:14	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P111372AA	05/17/2011 19:14	Emily R Styer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11139A20A	05/19/2011 19:02	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11139A20A	05/19/2011 19:02	Laura M Krieger	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	111380027A	05/20/2011 22:41	Dustin A Underkoffler	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	111380027A	05/19/2011 08:40	Catherine R Wiker	1
01754	Iron	SW-846 6010B	1	111331848004	05/16/2011 18:09	John P Hook	1
07058	Manganese	SW-846 6010B	1	111331848004	05/16/2011 18:09	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	111331848004	05/16/2011 09:45	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	11132196903A	05/13/2011 12:21	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11132196903A	05/13/2011 12:21	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11132196903A	05/13/2011 12:21	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11140020201A	05/20/2011 06:35	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11140020201A	05/20/2011 06:35	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11134834401A	05/14/2011 06:35	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	11136023002A	05/16/2011 13:50	Susan E Hibner	1

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Analysis Report

Quality Control Summary

Client Name: Chevron
Group Number: 1246604
Reported: 05/27/11 at 12:08 PM

Matrix QC may not be reported if 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.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: F111383AA	Sample number(s): 6285021							
Benzene	N.D.	0.5	ug/l	104	105	79-120	1	30
Ethylbenzene	N.D.	0.5	ug/l	94	93	79-120	1	30
Toluene	N.D.	0.5	ug/l	96	97	79-120	2	30
Xylene (Total)	N.D.	0.5	ug/l	94	96	80-120	2	30
Batch number: P111372AA	Sample number(s): 6285013-6285020,6285022-6285023							
Benzene	N.D.	0.5	ug/l	105	103	79-120	2	30
Ethylbenzene	N.D.	0.5	ug/l	96	96	79-120	0	30
Toluene	N.D.	0.5	ug/l	99	99	79-120	0	30
Xylene (Total)	N.D.	0.5	ug/l	97	96	80-120	1	30
Batch number: 11137A20A	Sample number(s): 6285013-6285022							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	91	91	75-135	0	30
Batch number: 11139A20A	Sample number(s): 6285023							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	91	91	75-135	0	30
Batch number: 111380003A	Sample number(s): 6285014-6285017							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	78		56-103		
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 111380027A	Sample number(s): 6285018-6285023							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	76	74	56-103	3	20
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 111331848004	Sample number(s): 6285023							
Iron	N.D.	52.2	ug/l	98		90-112		
Manganese	N.D.	0.84	ug/l	102		90-110		
Batch number: 111331848006	Sample number(s): 6285015-6285016							
Iron	N.D.	52.2	ug/l	102		90-112		
Manganese	N.D.	0.84	ug/l	102		90-110		
Batch number: 111361848005	Sample number(s): 6285017-6285021							
Iron	N.D.	52.2	ug/l	103		90-112		
Manganese	N.D.	0.84	ug/l	102		90-110		
Batch number: 11132196903A	Sample number(s): 6285015-6285021,6285023							
Nitrate Nitrogen	N.D.	50.	ug/l	103		90-110		
Nitrite Nitrogen	N.D.	80.	ug/l	106		90-110		
Sulfate	N.D.	300.	ug/l	108		90-110		
Batch number: 11134834401A	Sample number(s): 6285015-6285021,6285023							
Ferrous Iron	N.D.	10.	ug/l	98		92-105		
Batch number: 11136023001A	Sample number(s): 6285015-6285017							

*- 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: 1246604
Reported: 05/27/11 at 12:08 PM

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Sulfide	N.D.	54.	ug/l	91		90-110		
Batch number: 11136023002A	Sample number(s): 6285018-6285021,6285023							
Sulfide	N.D.	54.	ug/l	90		90-110		
Batch number: 11140020201A	Sample number(s): 6285015-6285021,6285023							
Alkalinity to pH 4.5	N.D.	460.	ug/l as CaCO3	99		98-103		

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: 111380003A	Sample number(s): 6285014-6285017 BKG: P283255								
DRO C12-C24 w/Si Gel						N.D.	N.D.	0 (1)	20
HRO C24-C40 w/Si Gel						N.D.	N.D.	0 (1)	20
Batch number: 111331848004	Sample number(s): 6285023 UNSPK: P283938 BKG: P283938								
Iron	30 (2)	-32 (2)	75-125	3	20	22,400	22,200	1	20
Manganese	99	97	75-125	1	20	45.4	45.5	0	20
Batch number: 111331848006	Sample number(s): 6285015-6285016 UNSPK: P283887 BKG: P283887								
Iron	123 (2)	80 (2)	75-125	1	20	31,400	30,900	2	20
Manganese	103	102	75-125	0	20	466	465	0	20
Batch number: 111361848005	Sample number(s): 6285017-6285021 UNSPK: P284844 BKG: P284844								
Iron	300 (2)	277 (2)	75-125	1	20	20,700	20,400	2	20
Manganese	105	101	75-125	2	20	545	537	1	20
Batch number: 11132196903A	Sample number(s): 6285015-6285021,6285023 UNSPK: 6285015 BKG: 6285015								
Nitrate Nitrogen	96		90-110			5,000	5,000	2	20
Nitrite Nitrogen	99		90-110			N.D.	N.D.	0 (1)	20
Sulfate	105		90-110			70,100	73,100	4	20
Batch number: 11134834401A	Sample number(s): 6285015-6285021,6285023 UNSPK: P286088 BKG: P286088								
Ferrous Iron	95	94	83-108	1	6	4,200	4,200	0 (1)	5
Batch number: 11136023001A	Sample number(s): 6285015-6285017 UNSPK: P284819 BKG: P284819								
Sulfide	74	83	50-130	11*	10	N.D.	N.D.	0 (1)	5
Batch number: 11136023002A	Sample number(s): 6285018-6285021,6285023 UNSPK: P285131 BKG: P285131								
Sulfide	90	85	50-130	6	10	N.D.	N.D.	0 (1)	5
Batch number: 11140020201A	Sample number(s): 6285015-6285021,6285023 UNSPK: P285009 BKG: P285009								
Alkalinity to pH 4.5	101		73-121			205,000	208,000	1	5
Alkalinity to pH 8.3						N.D.	N.D.	0 (1)	5

Surrogate Quality Control

*- 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: 1246604
Reported: 05/27/11 at 12:08 PM

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: F111383AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6285021	101	104	95	87
Blank	101	105	97	89
LCS	100	102	96	99
LCSD	100	99	96	98
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water
Batch number: P111372AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6285013	95	96	93	90
6285014	95	97	93	91
6285015	96	98	93	90
6285016	95	97	93	89
6285017	94	96	92	92
6285018	95	98	92	92
6285019	95	95	92	88
6285020	96	99	92	88
6285022	95	96	93	89
6285023	95	96	93	90
Blank	97	97	92	88
LCS	95	99	94	91
LCSD	94	101	93	91
Limits:	80-116	77-113	80-113	78-113

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 11137A20A

	Trifluorotoluene-F
6285013	72
6285014	73
6285015	82
6285016	76
6285017	79
6285018	78
6285019	70
6285020	70
6285021	70
6285022	71
Blank	71
LCS	105
LCSD	106
Limits:	63-135

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 11139A20A

	Trifluorotoluene-F

*- 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: 05/27/11 at 12:08 PM

Group Number: 1246604

Surrogate Quality Control

6285023	75
Blank	73
LCS	104
LCSD	105
Limits:	63-135

Analysis Name: NWTPH-Dx water w/Si Gel
Batch number: 111380003A

	Orthoterphenyl
6285014	106
6285015	100
6285016	98
6285017	98
Blank	94
DUP	89
LCS	105
Limits:	50-150

Analysis Name: NWTPH-Dx water w/Si Gel
Batch number: 111380027A

	Orthoterphenyl
6285018	91
6285019	97
6285020	99
6285021	94
6285022	101
6285023	99
Blank	89
LCS	102
LCSD	89
Limits:	50-150

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

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only
Acct. #: 11260 Group # 1246604 Sample #: 6285013-23
SCR #:

Facility #: SS#211577-OML G-R#386765 WBS:
Site Address: 631 Queen Anne North, SEATTLE, WA
Chevron PM: OS Lead Consultant: SAICML Lange
Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568
Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)
Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
Sampler: Mike Lombard

Analyses Requested / Preservation Codes: H (BTEX), O (Sulfide), H (NWTPH GX), H (NWTPH DX), H (Ferrous iron), N (Total Iron/Manganese)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (☐ Potable ☐ NPDES)	Oil ☐ Air ☐	Total Number of Containers	BTEX + 8021 ☐ 8260 ☒ Naphth ☐	Sulfide (SM20 4500 XD)	Alkalinity (2320B)	NWTPH GX	NWTPH DX ☒ Silica Gel Cleanup	Lead Total ☐ Diss. ☐ Method	☐ WAVPH ☐ WAEPH	NWTPH HCID ☐ quantification	Ferrous iron (SM 3500 Fe B)	Nitrate/Nitrite/Sulfate (EPA 300.0)	Total Iron/Manganese (6010B)	
QA	5-11-11		X			X		2	X			X								
VP-4	↓	1045	X			X		8	X			X	X							
VP-5		0945	X			X		14	X	X	X	X	X				X	X	X	
VP-8		1150	X			X		14	X	X	X	X	X				X	X	X	
MW-4		1050	X			X		14	X	X	X	X	X				X	X	X	
MW-14		0940	X			X		14	X	X	X	X	X				X	X	X	
MW-15		0845	X			X		14	X	X	X	X	X				X	X	X	
MW-25		0840	X			X		14	X	X	X	X	X				X	X	X	
MW-35		1430	X			X		14	X	X	X	X	X				X	X	X	
RW-2		1240	X			X		8	X			X	X							
[illegible]E-8	↓	1150	X			X		14	X	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

Comments /Remarks

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

Turnaround Time Requested (TAT) (please circle)
STD. TAT (circled) ~~72 hour~~ 48 hour
24 hour ~~4 day~~ 5 day

EDF/EDD

Data Package Options (please circle if required)
QC Summary Type I – Full
Type VI (Raw Data)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	5-11-11	1700			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS FedEx (circled) Other ____			Received by: [signature]	5/12/11	930
Temperature Upon Receipt 2.0-3.6 C°			Custody Seals Intact? Yes (circled) No		

3468.02

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Lancaster Laboratories

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)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

< 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

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

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 of gas 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.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	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.

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Lancaster Laboratories

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Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

May 27, 2011

Project: 211577

Submittal Date: 05/13/2011
Group Number: 1246789
PO Number: 0015061199
Release Number: SKANCE
State of Sample Origin: WA

Client Sample Description	Lancaster Labs (LLI) #
QA Water Sample	6286351
MW-6 Grab Water Sample	6286352
MW-9 Grab Water Sample	6286353
MW-10 Grab Water Sample	6286354
DPE-5 Grab Water Sample	6286355
DPE-6 Grab Water Sample	6286356
DUP-1 Grab Water Sample	6286357
FB-1 Grab Water Sample	6286358

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

ELECTRONIC COPY TO	SAIC c/o Gettler-Ryan	Attn: Rachelle Munoz
ELECTRONIC COPY TO	SAIC	Attn: Mike Lange
ELECTRONIC COPY TO	SAIC	Attn: Jamalyn Green

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Analysis Report

Questions? Contact your Client Services Representative
Jill M Parker at (717) 656-2300 Ext. 1241

Respectfully Submitted,

Lawrence M. Taylor
Senior Specialist

Lancaster Laboratories

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Analysis Report

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

LLI Sample # WW 6286351
LLI Group # 1246789
Account # 11260

Project Name: 211577

Collected: 05/12/2011

Submitted: 05/13/2011 09:20
Reported: 05/27/2011 12:31

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SQAQA

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. C259

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	Z111402AA	05/20/2011 14:27	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z111402AA	05/20/2011 14:27	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11139A20A	05/19/2011 17:34	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11139A20A	05/19/2011 17:34	Laura M Krieger	1

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Analysis Report

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

LLI Sample # WW 6286352
LLI Group # 1246789
Account # 11260

Project Name: 211577

Collected: 05/12/2011 08:30 by ML

Submitted: 05/13/2011 09:20
Reported: 05/27/2011 12:31

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SQAM6

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	12	0.5	1
10943	Ethylbenzene	100-41-4	1	0.5	1
10943	Toluene	108-88-3	0.7	0.5	1
10943	Xylene (Total)	1330-20-7	0.9	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	600	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	12,000	150	5
02211	HRO C24-C40 w/Si Gel	n.a.	1,500	350	5
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	35,500	52.2	1
07058	Manganese	7439-96-5	33,800	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	96,800	3,000	10
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	702,000	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	22,800	1,000	100
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	340	54	1

General Sample Comments

State of Washington Lab Certification No. C259
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-6 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6286352
LLI Group # 1246789
Account # 11260

Project Name: 211577

Collected: 05/12/2011 08:30 by ML

Submitted: 05/13/2011 09:20
Reported: 05/27/2011 12:31

Chevron
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L4310
San Ramon CA 94583

SQAM6

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	F111384AA	05/19/2011 00:58	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F111384AA	05/19/2011 00:58	Kelly E Keller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11139A20A	05/19/2011 19:23	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11139A20A	05/19/2011 19:23	Laura M Krieger	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	111380027A	05/20/2011 22:19	Dustin A Underkoffler	5
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	111380027A	05/19/2011 08:40	Catherine R Wiker	1
01754	Iron	SW-846 6010B	1	111361848003	05/18/2011 02:50	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	111361848003	05/19/2011 04:47	Tara L Snyder	5
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	111361848003	05/17/2011 10:38	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	11133196902A	05/14/2011 02:43	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11133196902A	05/14/2011 02:43	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11133196902A	05/24/2011 06:13	Ashley M Adams	10
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11141020202A	05/21/2011 10:50	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11141020202A	05/21/2011 10:50	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11135834401A	05/15/2011 09:15	Daniel S Smith	100
00230	Sulfide	SM20 4500 S2 D	1	11136023002A	05/16/2011 13:50	Susan E Hibner	1

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Analysis Report

Sample Description: MW-9 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6286353
LLI Group # 1246789
Account # 11260

Project Name: 211577

Collected: 05/12/2011 09:35 by ML

Submitted: 05/13/2011 09:20
Reported: 05/27/2011 12:31

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SQAM9

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.	160	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	2,200	29	1
02211	HRO C24-C40 w/Si Gel	n.a.	260	68	1
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	23,300	52.2	1
07058	Manganese	7439-96-5	10,800	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	64,700	1,500	5
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	339,000	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	17,200	1,000	100
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	290	54	1

General Sample Comments

State of Washington Lab Certification No. C259
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-9 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6286353
LLI Group # 1246789
Account # 11260

Project Name: 211577

Collected: 05/12/2011 09:35 by ML

Submitted: 05/13/2011 09:20
Reported: 05/27/2011 12:31

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SQAM9

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	F111384AA	05/19/2011 01:19	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F111384AA	05/19/2011 01:19	Kelly E Keller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11139A20A	05/19/2011 19:45	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11139A20A	05/19/2011 19:45	Laura M Krieger	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	111380027A	05/20/2011 21:15	Dustin A Underkoffler	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	111380027A	05/19/2011 08:40	Catherine R Wiker	1
01754	Iron	SW-846 6010B	1	111361848003	05/18/2011 02:54	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	111361848003	05/19/2011 04:51	Tara L Snyder	5
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	111361848003	05/17/2011 10:38	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	11133196902A	05/14/2011 02:57	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11133196902A	05/14/2011 02:57	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11133196902A	05/20/2011 11:47	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11141020202A	05/21/2011 10:50	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11141020202A	05/21/2011 10:50	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11135834401A	05/15/2011 09:15	Daniel S Smith	100
00230	Sulfide	SM20 4500 S2 D	1	11136023002A	05/16/2011 13:50	Susan E Hibner	1

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Analysis Report

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

LLI Sample # WW 6286354
LLI Group # 1246789
Account # 11260

Project Name: 211577

Collected: 05/12/2011 11:45 by ML

Submitted: 05/13/2011 09:20
Reported: 05/27/2011 12:31

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SQA10

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 Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	N.D.	30	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	69	1
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	3,680	52.2	1
07058	Manganese	7439-96-5	2,220	0.84	1
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	3,800	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	37,300	1,500	5
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	199,000	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	100	10	1
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C259
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-10 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6286354
LLI Group # 1246789
Account # 11260

Project Name: 211577

Collected: 05/12/2011 11:45 by ML

Submitted: 05/13/2011 09:20
Reported: 05/27/2011 12:31

Chevron
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San Ramon CA 94583

SQA10

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	F111384AA	05/19/2011 01:41	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F111384AA	05/19/2011 01:41	Kelly E Keller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11139A20A	05/19/2011 20:07	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11139A20A	05/19/2011 20:07	Laura M Krieger	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	111380027A	05/20/2011 19:49	Dustin A Underkoffler	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	111380027A	05/19/2011 08:40	Catherine R Wiker	1
01754	Iron	SW-846 6010B	1	111361848003	05/18/2011 02:58	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	111361848003	05/18/2011 02:58	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	111361848003	05/17/2011 10:38	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	11133196902A	05/14/2011 03:11	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11133196902A	05/14/2011 03:11	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11133196902A	05/20/2011 12:02	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11141020202A	05/21/2011 10:50	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11141020202A	05/21/2011 10:50	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11135834401A	05/15/2011 09:15	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	11136023002A	05/16/2011 13:50	Susan E Hibner	1

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Analysis Report

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

LLI Sample # WW 6286355
LLI Group # 1246789
Account # 11260

Project Name: 211577

Collected: 05/12/2011 12:45 by ML

Submitted: 05/13/2011 09:20
Reported: 05/27/2011 12:31

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SQAD5

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	18	0.5	1
10943	Ethylbenzene	100-41-4	30	0.5	1
10943	Toluene	108-88-3	4	0.5	1
10943	Xylene (Total)	1330-20-7	63	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	520	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	1,900	29	1
02211	HRO C24-C40 w/Si Gel	n.a.	270	68	1

General Sample Comments

State of Washington Lab Certification No. C259

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	F111384AA	05/19/2011 02:03	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F111384AA	05/19/2011 02:03	Kelly E Keller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11139A20A	05/19/2011 20:29	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11139A20A	05/19/2011 20:29	Laura M Krieger	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	111380027A	05/21/2011 14:30	Dustin A Underkoffler	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	111380027A	05/19/2011 08:40	Catherine R Wiker	1

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Analysis Report

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

LLI Sample # WW 6286356
LLI Group # 1246789
Account # 11260

Project Name: 211577

Collected: 05/12/2011 10:35 by ML

Submitted: 05/13/2011 09:20
Reported: 05/27/2011 12:31

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SQAD6

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	5	0.5	1
10943	Toluene	108-88-3	2	0.5	1
10943	Xylene (Total)	1330-20-7	14	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	510	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	8,300	150	5
02211	HRO C24-C40 w/Si Gel	n.a.	1,300	340	5

General Sample Comments

State of Washington Lab Certification No. C259

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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	F111384AA	05/19/2011 02:24	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F111384AA	05/19/2011 02:24	Kelly E Keller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11139A20A	05/19/2011 20:51	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11139A20A	05/19/2011 20:51	Laura M Krieger	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	111390002A	05/21/2011 02:59	Dustin A Underkoffler	5
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	111390002A	05/19/2011 11:00	Roza S Goslawska	1

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Analysis Report

Sample Description: DUP-1 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6286357
LLI Group # 1246789
Account # 11260

Project Name: 211577

Collected: 05/12/2011 by ML

Submitted: 05/13/2011 09:20
Reported: 05/27/2011 12:31

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SQAFD

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	12	0.5	1
10943	Ethylbenzene	100-41-4	1	0.5	1
10943	Toluene	108-88-3	0.6	0.5	1
10943	Xylene (Total)	1330-20-7	0.9	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

General Sample Comments

State of Washington Lab Certification No. C259

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	F111384AA	05/19/2011 02:46	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F111384AA	05/19/2011 02:46	Kelly E Keller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11139A20A	05/19/2011 21:12	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11139A20A	05/19/2011 21:12	Laura M Krieger	1

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Analysis Report

Sample Description: FB-1 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6286358
LLI Group # 1246789
Account # 11260

Project Name: 211577

Collected: 05/12/2011 by ML

Submitted: 05/13/2011 09:20
Reported: 05/27/2011 12:31

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SQAFB

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. C259

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	F111384AA	05/19/2011 03:08	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F111384AA	05/19/2011 03:08	Kelly E Keller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11139A20A	05/19/2011 17:56	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11139A20A	05/19/2011 17:56	Laura M Krieger	1

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Analysis Report

Quality Control Summary

Client Name: Chevron
Group Number: 1246789
Reported: 05/27/11 at 12:31 PM

Matrix QC may not be reported if 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.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: F111384AA	Sample number(s): 6286352-6286358							
Benzene	N.D.	0.5	ug/l	97	99	79-120	2	30
Ethylbenzene	N.D.	0.5	ug/l	85	92	79-120	8	30
Toluene	N.D.	0.5	ug/l	89	95	79-120	7	30
Xylene (Total)	N.D.	0.5	ug/l	86	91	80-120	5	30
Batch number: Z111402AA	Sample number(s): 6286351							
Benzene	N.D.	0.5	ug/l	106		79-120		
Ethylbenzene	N.D.	0.5	ug/l	109		79-120		
Toluene	N.D.	0.5	ug/l	110		79-120		
Xylene (Total)	N.D.	0.5	ug/l	108		80-120		
Batch number: 11139A20A	Sample number(s): 6286351-6286358							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	91	91	75-135	0	30
Batch number: 111380027A	Sample number(s): 6286352-6286355							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	76	74	56-103	3	20
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 111390002A	Sample number(s): 6286356							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	79	80	56-103	2	20
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 111361848003	Sample number(s): 6286352-6286354							
Iron	N.D.	52.2	ug/l	104		90-112		
Manganese	N.D.	0.84	ug/l	101		90-110		
Batch number: 11133196902A	Sample number(s): 6286352-6286354							
Nitrate Nitrogen	N.D.	50.	ug/l	93		90-110		
Nitrite Nitrogen	N.D.	80.	ug/l	98		90-110		
Sulfate	N.D.	300.	ug/l	96		90-110		
Batch number: 11135834401A	Sample number(s): 6286352-6286354							
Ferrous Iron	N.D.	10.	ug/l	99		92-105		
Batch number: 11136023002A	Sample number(s): 6286352-6286354							
Sulfide	N.D.	54.	ug/l	90		90-110		
Batch number: 11141020202A	Sample number(s): 6286352-6286354							
Alkalinity to pH 4.5	N.D.	460.	ug/l as CaCO3	98		98-103		

Sample Matrix Quality Control

*- 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: 1246789
Reported: 05/27/11 at 12:31 PM
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: Z111402AA	Sample number(s): 6286351 UNSPK: P288944								
Benzene	120	116	80-126	3	30				
Ethylbenzene	122	118	71-134	4	30				
Toluene	122	117	80-125	4	30				
Xylene (Total)	120	116	79-125	4	30				
Batch number: 111361848003	Sample number(s): 6286352-6286354 UNSPK: P283907 BKG: P283907								
Iron	115	90	75-125	18	20	338	336	1 (1)	20
Manganese	105	98	75-125	7	20	57.5	56.5	2	20
Batch number: 11133196902A	Sample number(s): 6286352-6286354 UNSPK: P286552 BKG: P286552								
Nitrate Nitrogen	97		90-110			8,300	8,300	0	20
Nitrite Nitrogen	106		90-110			N.D.	N.D.	0 (1)	20
Sulfate	97		90-110			45,400	46,500	2 (1)	20
Batch number: 11135834401A	Sample number(s): 6286352-6286354 UNSPK: P296428 BKG: P296428								
Ferrous Iron	99	95	83-108	2	6	14,700	14,800	1 (1)	5
Batch number: 11136023002A	Sample number(s): 6286352-6286354 UNSPK: P285131 BKG: P285131								
Sulfide	90	85	50-130	6	10	N.D.	N.D.	0 (1)	5
Batch number: 11141020202A	Sample number(s): 6286352-6286354 UNSPK: P286428 BKG: 6286354								
Alkalinity to pH 4.5	94		73-121			199,000	204,000	2	5
Alkalinity to pH 8.3						N.D.	N.D.	0 (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: F111384AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6286352	102	105	93	96
6286353	102	103	95	91
6286354	106	102	94	87
6286355	101	103	97	94
6286356	102	100	93	92
6286357	102	105	93	96
6286358	106	106	93	86
Blank	100	104	95	88
LCS	101	103	93	96
LCSD	101	101	94	98
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water
Batch number: Z111402AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene

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

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Analysis Report

Quality Control Summary

Client Name: Chevron
Group Number: 1246789
Reported: 05/27/11 at 12:31 PM

Surrogate Quality Control

6286351	89	96	102	98
Blank	91	97	102	99
LCS	91	100	103	101
MS	91	97	102	99
MSD	90	95	100	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 11139A20A
Trifluorotoluene-F

6286351	74
6286352	81
6286353	76
6286354	73
6286355	79
6286356	96
6286357	80
6286358	72
Blank	73
LCS	104
LCSD	105
Limits:	63-135

Analysis Name: NWTPH-Dx water w/Si Gel
Batch number: 111380027A
Orthoterphenyl

6286352	78
6286353	97
6286354	91
6286355	91
Blank	89
LCS	102
LCSD	89
Limits:	50-150

Analysis Name: NWTPH-Dx water w/Si Gel
Batch number: 111390002A
Orthoterphenyl

6286356	61
Blank	99
LCS	106
LCSD	107
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

Lancaster Laboratories

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Acct. #: 11260 Group # 1246789 Sample #: 6286351-58

SCR #:

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

Site Address: 631 Queen Anne North, SEATTLE, WA

Chevron PM: OS Lead Consultant: SAICML Lange

Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568

Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)

Consultant Phone #: 925-551-7555 Fax #: 925-551-7899

Sampler: MIKE LOMBARD

Matrix: ☐ Potable ☐ NPDES; Soil; Water; Oil ☐ Air ☐

Analyses Requested / **Preservation Codes**

- ☐ 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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil ☐ Air ☐	Total Number of Containers	BTEX + 8260 ☐ Naphth ☐	8021 ☐ 8260	Sulfide (SM20 4500 S2D)	Alkalinity (2320B)	NWTPH GX	NWTPH DX ☒ Silica Gel Cleanup	Lead ☐ Total ☐ Diss. ☐ Method	☐ WAVPH ☐ WAEPH	NWTPH H HCID ☐ quantification	Ferrous iron (SM 3500 Fe B)	Nitrate/Nitrite/Sulfate (EPA 300.0)	Total Manganese (6010B)
QA	5-12-11		X			X		2	X				X							
MW-6	↓	0830	X			X		14	X	X	X	X	X	X				X	X	X
MW-9		0935	X			X		14	X	X	X	X	X	X				X	X	X
MW-10		1145	X			X		14	X	X	X	X	X	X				X	X	X
DPE-5		1245	X			X		8	X				X	X						
DPE-6	↓	1035	X			X		8	X				X	X						
DUP-1			X			X		6	X				X							
FB-1	↓		X			X		6	X				X							

Comments /Remarks

FERROUS IRON SAMPLES HAVE BEEN FIELD FILTERED

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

Turnaround Time Requested (TAT) (please circle)

STD. TAT | 72 hour | 48 hour | 24 hour | 4 day | 5 day

EDF/EDD

Data Package Options (please circle if required)

QC Summary | Type I – Full | Type VI (Raw Data)

Relinquished by:	Date	Time	Received by:	Date	Time
	5-12-11	1700			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	5/13/11	920
Temperature Upon Receipt 1.4-2.6 C°			Custody Seals Intact? Yes No		

3468.02

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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)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

< 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

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

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 of gas 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.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	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.

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