NW0911

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From Science to Solutions

May 23, 2011

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

Subject: **Second Semiannual 2010 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 second semiannual 2010 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 January 17 through the 20, 2011. They collected depth-to-groundwater measurements and checked for the presence of separate-phase hydrocarbons (SPH) in 40 monitoring wells on site.

Groundwater samples were collected from 25 of the 40 monitoring wells and submitted to Lancaster Laboratories, Inc. in 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 (EPA) Method 8260.

Additional analyses were performed on 20 of these wells for the following monitored natural attenuation (MNA) parameters:

- Alkalinity by SM20 2320B;

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18912 North Creek Parkway | Suite 101 | Bothell, WA 98011 | tel: (425) 485-5800 | fax: (425) 485-5566 | saic.com\eeandi

- Iron and manganese by EPA Method 6010B;
- Ferrous iron by SM 3500FeB;
- Sulfate, nitrate, and nitrite by EPA 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

At the time of this monitoring event, groundwater elevations ranged from 104.66 feet in monitoring well MW-10 to 67.13 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 0.013 to 0.233 feet per foot (Figure 2). Groundwater elevations increased an average of 0.58 foot since the previous semiannual monitoring event in April 2010.

SPH were not detected in any of the monitoring wells monitored.

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

- TPH-GRO was detected in monitoring wells MW-4 and MW-14;
- TPH-DRO was detected in monitoring wells VP-4, MW-4, MW-6, MW-9, MW-14, MW-25, MW-33, DPE-5, DPE-6, and DPE-8;
- TPH-HRO was detected in monitoring wells VP-4, VP-8, MW-4, MW-6, MW-9, MW-14, MW-21, DPE-6, and DPE-8; and
- Benzene was detected in monitoring wells MW-4, MW-14, MW-21, MW-33, MW-35, and DPE-6.

Historical groundwater elevation data and laboratory analytical results are summarized in Table 1, and MNA data are presented 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.

The January 2011 semiannual sampling event represents the sixth groundwater monitoring event since the shutdown of the dual-phase extraction (DPE) system 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 inactivated. This area was 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. 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 May 2011.

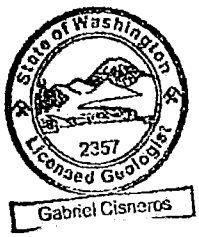
If you have any questions or comments, please contact me at (916) 757-3462 or via email at jenkinsme@saic.com.

Sincerely,

SAIC Energy, Environment & Infrastructure, LLC

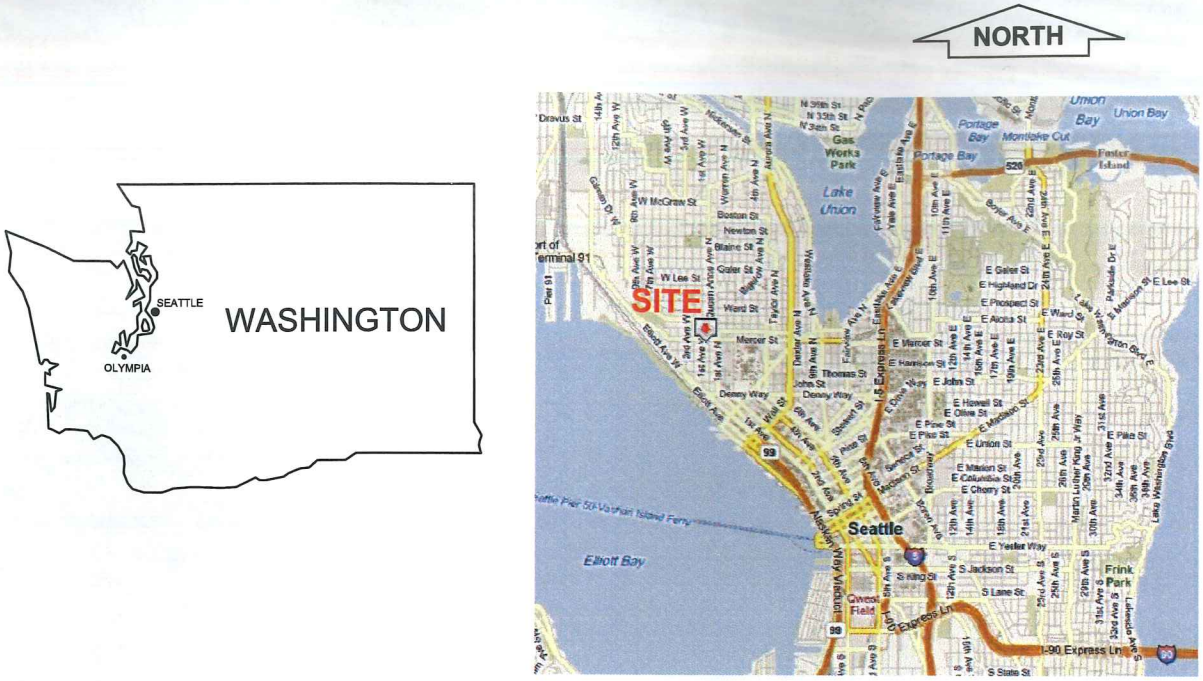
Michael E. Jenkins, LG, LHG
Senior Project Manager

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.
420 East Howell, Seattle, WA 98122
Mr. Gerry Pigotti – Monterey Apartments, LLC
1525 4th Avenue, Suite 500, Seattle, WA, 98101
Mr. Bert Hyde – SoundEarth Strategies
2811 Fairview Ave. E, Suite 2000, Seattle, WA, 98102
Project File



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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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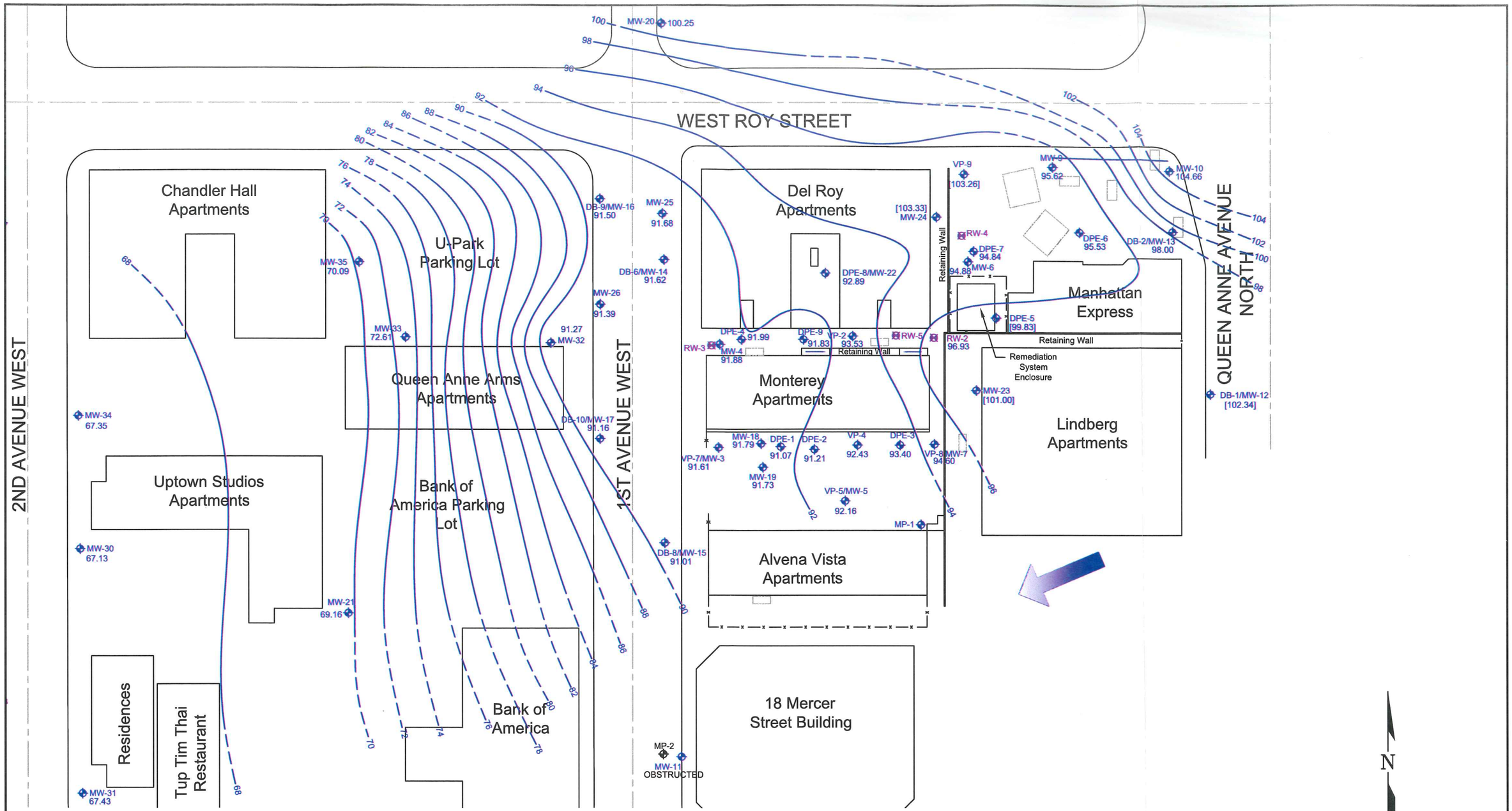

LEGEND:

- MW-26 — EXISTING 1" or 2" WELL LOCATION
- DPE-1 — EXISTING 4" DIA. WELL LOCATION
- RW-2 — EXISTING 6" or 8" DIA. RECOVERY WELL LOCATION
- —— x —— FENCE
- —— — —— STREET CENTER LINE
- 91.73 — GROUNDWATER ELEVATION IN FEET
- 78 —— GROUNDWATER ELEVATION CONTOURS AT A 2 FOOT INTERVAL (DASHED WHERE INFERRED)
- [101.00] — GROUNDWATER ELEVATION NOT USED IN CONTOUR MAP, MONITORING WELL LOCATED IN PERCHED ZONE
- APPROXIMATE GROUNDWATER FLOW DIRECTION AT A GRADIENT OF 0.013 TO 0.233

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FORMER TEXACO SERVICE STATION No. 21-1577
631 QUEEN ANNE AVENUE NORTH
SEATTLE, WASHINGTON

FIGURE 2
POTENTIOMETRIC MAP
JANUARY 17-20, 2011

FILE NAME: 211577_BaseMap_2008.dwg

DATE: 04/20/2011

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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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	--	--	--	--	--	--	--	--
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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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
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**	8.90[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	--
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]

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	--
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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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	--	--	--	--	--	--	--	--
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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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	--
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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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	–	–	–	–	–	–	–	–
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

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-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	--
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					--	--	--

TABLE 1
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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-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	--
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	--

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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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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	--
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	--	--	--	--	--	--	--	--

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-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	--
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		--	--	--		--	--	--	--	--	--

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-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	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--
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	--
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	--

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-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	--
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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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-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	--
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	--

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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	--
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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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	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--
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	--

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-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	--
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	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--
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**	**7.0**	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	--
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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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	--
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	--
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	--

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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	--
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	--
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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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-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	--
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	--
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	--

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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	--	--	--	--	--	--	--	--

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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	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--

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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-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	--	--	--	--	--	--	--	--
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	--
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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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-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	--
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	--	--	--	--	--	--	--	--
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	--
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	--	--	--	--	--	--	--	--
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	--
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	--

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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 (cont)														
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	--
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		--	--	--	--	--	--	--	--	--	--

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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-3 (cont)														
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						--	--
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

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
RW-5 (cont)														
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														
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														

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
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	--
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	--

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
QA (cont)														
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	--
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.

TOC = Top of Casing
(ft.) = Feet
DTW/P = Depth to Water or Product
GWE = Groundwater Elevation
(msl) = Mean Sea Level
SPHT = Separate-Phase Hydrocarbons Thickness
TPH = Total Petroleum Hydrocarbons
TPH-DRO = TPH as Diesel-Range Organics
TPH-HRO = TPH as Heavy Oil-Range Organics

TPH-GRO = TPH as Gasoline-Range Organics
BTEX = Benzene, toluene, ethylbenzene, and total xylenes
MTBE = Methyl tertiary butyl ether
USEPA = United States Environmental Protection Agency
SAIC = SAIC Energy, Environment & Infrastructure, LLC
D. Lead = Dissolved Lead
-- = Not Measured/Not Analyzed
µg/L = Micrograms per liter
(ppb) = Parts per billion

QA = Quality Assurance/Trip Blank
NP = No Purge
LFP = Low Flow Purge
PER = Peristaltic Pump used for Purging
(D) = Duplicate
DTSPH = Depth to SPH, from the TOC
MTCA = Model Toxics Control Act Cleanup Regulations
CULs = Cleanup levels

J = Estimated result between the method detection limit and the laboratory reporting limit
< = 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

SAIC
From Science to Solutions

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):

* 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-HROanalyzed 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.

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
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
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
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
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

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-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
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
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
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
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

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-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
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]
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
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
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
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]
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

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-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]
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
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	<0.4	34,500	68,900	<460	<10	<0.054

EXPLANATIONS:

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

µg/L = Micrograms per liter
mg/L = Milligrams per liter
-- = Not Measured/Not Analyzed
(D) = Duplicate
P = The analyte was detected above the instrument detection limit but below the established minimum quantitation limit
< = Analyte not detected at or above the laboratory reporting limit. Number represents reporting limit
J = Anatyle was positively identified. The associated numerical result is an estimate
USEPA = United States Environmental Protection Agency

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.

Attachment A:
Groundwater Monitoring and Sampling Data Package

GETTLER-RYAN INC.

TRANSMITTAL

January 31, 2011
G-R #386765

TO: Mr. Michael Lange
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 **Second Semi-Annual Event of January 17, 18, 19, and 20, 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: 1/17 - 1/20/11
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	NO Bolts	OK	OK	
VP-4	↓	NO Bolts	↓	↓	
VP-5		OK			
VP-7		OK			
VP-8		NO Bolts			
VP-9		OK			
MW-4		NO Bolts			
MW-6		OK			
MW-9		OK			
MW-10		OK			
MW-11	↓	NO Bolts			
MW-12	1 BROKEN FLANGE	OK			
MW-13		OK			
MW-14		1 missing			
MW-15		NO Bolts			
MW-16		--			
MW-17		--			
MW-18		--			
MW-19		OK			
MW-20		1 missing			
MW-21	1 BROKEN FLANGE	NO Bolts	↓	↓	

Additional Comments/Observations:

GETTLER-RYAN INC.

CHEVRON - SITE CHECK LIST

Facility#:	**Chevron #211577** Date: 1/17 - 1/20/11
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
MW-23	OK	OK	OK	OK	
MW-24		OK			
MW-25		NO Bolts			
MW-26		"			
MW-30		"			
MW-31		OK			
MW-32		"			
MW-33		"			
MW-34		1 missing			
MW-35		OK			
RW-2		OK			
DPE-1		NO Bolts			
DPE-2		OK			
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: 1/17 - 1/20/11 (inclusive)
City: Seattle, WA Sampler: ML

Well ID VP-2
Well Diameter 2 in.
Total Depth 14.96 ft.
Depth to Water 11.58 ft.

Date Monitored: 1-17-11

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: 1/17 - 1/20 (inclusive)
City: Seattle, WA | Sampler: AW

Well ID: VP-4 | Date Monitored: 1-17-11
Well Diameter: 2 in.
Total Depth: 13.96 ft.
Depth to Water: 10.92 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

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

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

Sampling Equipment:
Disposable Bailer
Pressure Bailer
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): 1035 | Weather Conditions: Sunny
Sample Time/Date: 1115 / 1-19-11 | Water Color: Cloudy | Odor: Y / N
Approx. Flow Rate: 200ml gpm. | Sediment Description: Cloudy
Did well de-water? N | If yes, Time: — | Volume: ___ gal. | DTW @ Sampling: 10.98

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
1050	3.0	7.00	351	12.4	1.44	164	10.95
1053	3.6	7.02	354	12.5	1.45	167	10.97
1056	4.2	7.05	356	12.5	1.46	166	10.98

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: 1-17 -1-20 (inclusive)
City: Seattle, WA | Sampler: AW

Well ID: VP-5 /mw-5 | Date Monitored: 1-17-11
Well Diameter: 2 in.
Total Depth: 16.39 ft.
Depth to Water: 10.47 ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
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): 0900 | Weather Conditions: Partly Cloudy
Sample Time/Date: 0935 / 1-19-11 | Water Color: Cloudy | Odor: Y / (N)
Approx. Flow Rate: 200ml gpm. | Sediment Description: Cloudy
Did well de-water? N | If yes, Time: — | Volume: — gal. | DTW @ Sampling: 10.51

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
0915	3.0	6.84	239	9.7	1.32	175	10.49
0918	3.6	6.84	241	9.9	1.32	172	10.49
0921	4.2	6.85	245	9.9	1.34	170	10.51

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
VP-5/mw-5	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml 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:

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: 1/17 - 1/20/11 (inclusive)
City: Seattle, WA Sampler: ML

Well ID VP-7
Well Diameter 2 in.
Total Depth 12.42 ft.
Depth to Water 8.79 ft.

Date Monitored: 1-17-11

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: MIO

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: 1/17-1/20 (inclusive)
City: Seattle, WA Sampler: AW

Well ID VP-8/MW-7 Date Monitored: 1-17-11
Well Diameter 2 in.
Total Depth 17.96 ft.
Depth to Water 10.28 ft.

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

☐ Check if water column is less then 0.50 ft.

7.68 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): 0815 Weather Conditions: Sunny
Sample Time/Date: 0850 / 1-19-11 Water Color: Cloudy Odor: Y / (N)
Approx. Flow Rate: 200ml gpm. Sediment Description: Cloudy
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 10.32

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
0830	3.0	6.93	338	7.0	1.51	83	10.29
0833	3.6	6.94	340	7.1	1.50	83	10.31
0836	4.2	6.96	342	7.1	1.50	81	10.32

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
VP-8/MW-7	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml 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: 1/17 - 1/20/11 (inclusive)
City: Seattle, WA Sampler: ML

Well ID VP-9
Well Diameter 2 in.
Total Depth 12.46 ft.
Depth to Water 9.09 ft.

Date Monitored: 1-17-11

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: 1/17 - 1/20/11 (inclusive)
City: Seattle, WA | Sampler: ML

Well ID: MW-4
Well Diameter: 2 in.
Total Depth: 17.38 ft.
Depth to Water: 10.07 ft.
Date Monitored: 1-17-11

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): 0910
Sample Time/Date: 0940 / 1-19-11
Approx. Flow Rate: 200 ml/ gpm.
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 10.07

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

Time (2400 hr.)	Volume	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0925	3	7.22	512	8.0	1.41	69	10.07
0928	3.6	7.18	517	8.1	1.40	74	10.07
0931	4.2	7.17	518	8.1	1.41	73	10.07

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml 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: 1/17 - 1/20/11 (inclusive)
City: Seattle, WA Sampler: ML AW

Well ID MW-6 Date Monitored: 1-17-11
Well Diameter 2 in.
Total Depth 28.07 ft.
Depth to Water 18.24 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 ____
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): 1030 Weather Conditions: Cloudy
Sample Time/Date: 1100 1-20-11 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: 18.27

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
1045	3	6.17	1196	11.5	1.98	56	18.26
1048	3.6	6.24	1201	11.5	1.94	63	18.27
1051	4.2	6.25	1200	11.5	1.94	61	18.27

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_
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: DUP-1 & FB-1 COLLECTED FROM THIS 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: 1/17 - 1/20/11 (inclusive)

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

Well ID MW-9 Date Monitored: 1-17-11

Well Diameter 2 in.

Total Depth 27.17 ft.

Depth to Water 18.65 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	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): 0850 Weather Conditions: Rain

Sample Time/Date: 0920 1-20-11 Water Color: Cloudy Odor: Y / N STRONG

Approx. Flow Rate: 200 ml/gpm. Sediment Description: Light

Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 18.72

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
0905	3	6.55	845	10.1	1.16	36	18.72
0908	3.6	6.61	849	10.1	1.21	40	18.72
0911	4.2	6.62	849	10.1	1.24	41	18.72

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:

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: 1/17 - 1/20/11 (inclusive)

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

Well ID MW-10 Date Monitored: 1-17-11

Well Diameter 2 in.

Total Depth 29.06 ft.

Depth to Water 10.62 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): 0800 Weather Conditions: Rain

Sample Time/Date: 0830 1-20-11 Water Color: Cloudy Odor: Y / N

Approx. Flow Rate: 200 ml gpm. Sediment Description: None

Did well de-water? NO If yes, Time: ____ Volume: ____ gal. DTW @ Sampling: 10.60

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
0815	3	6.53	864	9.7	0.76	-42	10.65
0818	3.6	6.61	865	9.8	0.81	-38	10.65
0821	4.2	6.60	867	9.8	0.82	-37	10.66

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: ____

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: 1/17 - 1/20/11 (inclusive)
City: Seattle, WA Sampler: ML

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

Date Monitored: 1-17-11

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: 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: 1/17-1/20/11 (inclusive)
City: Seattle, WA Sampler: ML

Well ID MW-12 Date Monitored: 1-17-11
Well Diameter 2 in.
Total Depth 16.31 ft.
Depth to Water 11.02 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
- 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/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: 1/17 - 1/20/11 (inclusive)
City: Seattle, WA Sampler: ML

Well ID MW-13
Well Diameter 2 in.
Total Depth 19.79 ft.
Depth to Water 16.80 ft.

Date Monitored: 1-17-11

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: 1/17-1/20/11 (inclusive)
City: Seattle, WA Sampler: MC

Well ID MW-14 Date Monitored: 1-17-11
Well Diameter 2 in.
Total Depth 24.41 ft.
Depth to Water 9.94 ft.

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

☐ Check if water column is less then 0.50 ft.

— 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): 0815 Weather Conditions: SUNNY
Sample Time/Date: 0845 1-19-11 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: 9.96

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
0830	3	6.81	216	9.6	1.82	24	9.96
0838	3.6	6.86	222	9.6	1.79	27	9.96
0846	4.2	6.87	223	9.6	1.79	28	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:

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: 1/17-1/20/11 (inclusive)
City: Seattle, WA Sampler: ML

Well ID MW-15 Date Monitored: 1-17-11
Well Diameter 2 in.
Total Depth 24.11 ft.
Depth to Water 8.02 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
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): 1110 Weather Conditions: Sunny
Sample Time/Date: 1140 1-19-11 Water Color: Clear Odor: Y / (N)
Approx. Flow Rate: 200 ml gpm. Sediment Description: None
Did well de-water? No If yes, Time: Volume: gal. DTW @ Sampling: 8.14

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
1125	3	6.43	102	10.0	0.96	56	8.11
1128	3.6	6.47	109	10.0	1.01	56	8.12
1131	4.2	6.98	107	10.0	1.02	59	8-14

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:

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: 1/18/11 - 1/20/11 (inclusive)
City: Seattle, WA | Sampler: ML

Well ID: MW-16 | Date Monitored: 1-18-11
Well Diameter: 2 in.
Total Depth: 24.80 ft.
Depth to Water: 10.25 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: Cloudy
Sample Time/Date: 1035 1-18-11 | Water Color: Clear | Odor: Y / N
Approx. Flow Rate: 200 ml/ gpm. | Sediment Description: None
Did well de-water? NO | If yes, Time: — | Volume: — gal. | DTW @ Sampling: 10.26

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
1020	3	6.62	300	10.9	1.06	-36	10.26
1023	3.6	6.68	307	10.9	1.07	-41	10.26
1026	4.2	6.68	305	11.0	1.10	-46	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: —

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: 1/17 - 1/20/11 (inclusive)
City: Seattle, WA | Sampler: ML

Well ID: MW-17
Well Diameter: 2 in.
Total Depth: 24.99 ft.
Depth to Water: 8.13 ft.
Date Monitored: 1-17-11

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): 1210 | Weather Conditions: Rain
Sample Time/Date: 1240 / 1-18-11 | Water Color: Clear | Odor: Y / (N)
Approx. Flow Rate: 200 ml/ gpm. | Sediment Description: none
Did well de-water? NO | If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 8.18

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
1225	3	7.02	516	11.4	1.26	69	8.17
1228	3.6	7.07	520	11.4	1.30	65	8.17
1231	4.2	7.08	521	11.4	1.29	65	8.18

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_
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: DUP-2 & FB-2 COLLECTED FROM THIS 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: 1/17-1/20 (inclusive)
City: Seattle, WA Sampler: AW

Well ID MW-18 Date Monitored: 1-17-11
Well Diameter 2 in.
Total Depth 24.21 ft.
Depth to Water 9.73 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.

14.48 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): 0945 Weather Conditions: Cloudy
Sample Time/Date: 1020 / 1-19-11 Water Color: Cloudy Odor: Y ~~N~~
Approx. Flow Rate: 200ml ~~gpm~~. Sediment Description: Cloudy
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 9.78

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
1000	3.0	6.88	222	12.4	1.32	170	9.75
1003	3.6	6.87	224	12.4	1.31	164	9.77
1006	4.2	6.87	225	12.5	1.30	169	9.78

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: 1/17-1/20/11 (inclusive)
City: Seattle, WA Sampler: ML

Well ID MW-19
Well Diameter 2 in.
Total Depth 24.25 ft.
Depth to Water 9.45 ft.
Date Monitored: 1-17-11

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: 1/17 - 1/20/11 (inclusive)
City: Seattle, WA Sampler: ML

Well ID MW-20 Date Monitored: 1-17-11
Well Diameter 2 in.
Total Depth 19.72 ft.
Depth to Water 5.39 ft.

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

☐ Check if water column is less then 0.50 ft.

____ 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: 1/17 - 1/20/11 (inclusive)
City: Seattle, WA | Sampler: ML

Well ID: MW-21 | Date Monitored: 1-17-11
Well Diameter: 2 in.
Total Depth: 35.10 ft.
Depth to Water: 25.60 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): 0810 | Weather Conditions: Rain
Sample Time/Date: 0840 / 1-18-11 | Water Color: Clear | Odor: Y / (N)
Approx. Flow Rate: 200 ml/ppm. | Sediment Description: none
Did well de-water? no If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 25.60

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
0825	3	6.57	526	11.5	1.17	67	25.60
0828	3.6	6.62	530	11.5	1.21	71	25.60
0831	4.2	6.63	531	11.5	1.22	72	25.60

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_
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: RETURNED TO COLLECT SHORT HOLD SAMPLES FOR NITRATE/NITRITE/SULFATE ON 1-19-11, SAMPLE TIME: 1310

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: 1/12-1/20/11 (inclusive)

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

Well ID MW-23 Date Monitored: 1-17-11

Well Diameter 3/4 in.

Total Depth 13.04 ft.

Depth to Water 6.82 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: 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: 1/17-1/20/11 (inclusive)
City: Seattle, WA Sampler: ML

Well ID MW-24
Well Diameter 2 in.
Total Depth 12.50 ft.
Depth to Water 4.62 ft.

Date Monitored: 1-17-11

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: MTO

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: 1/17-1/20/11 (inclusive)
City: Seattle, WA Sampler: ML

Well ID MW-25 Date Monitored: 1-17-11
Well Diameter 4 in.
Total Depth 22.82 ft.
Depth to Water 10.28 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): 1010 Weather Conditions: SUNNY
Sample Time/Date: 1040 / 1-19-11 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: 10.28

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
1025	3	7.11	609	8.8	2.19	42	10.28
1028	3.6	7.13	615	8.8	2.21	48	10.28
1031	4.2	7.14	616	8.8	2.21	49	10.28

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: ____

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: 1/17-1/20/11 (inclusive)
City: Seattle, WA Sampler: mL

Well ID MW-26
Well Diameter 4 in.
Total Depth 22.73 ft.
Depth to Water 9.08 ft.
Date Monitored: 1-17-11

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): 1105 Weather Conditions: Cloudy
Sample Time/Date: 1140 / 1-18-11 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: 9.08

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
1120	3	6.91	602	11.2	2.16	76	9.08
1123	3.6	6.94	606	11.2	2.21	81	9.08
1126	4.2	6.95	607	11.2	2.20	81	9.08

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:

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: 1/17- 1/20 (inclusive)
City: Seattle, WA Sampler: AW

Well ID MW-30 Date Monitored: 1-17-11
Well Diameter 2 in.
Total Depth 33.20 ft.
Depth to Water 24.68 ft.

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

☐ Check if water column is less then 0.50 ft.

— 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): 0910 Weather Conditions: Brisk / Cold.
Sample Time/Date: 0945 / 1-18-11 Water Color: Cloudy Odor: Y / (N)
Approx. Flow Rate: 200ml gpm. Sediment Description: Cloudy
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 24.73

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
0925	3.0	6.46	598	13.2	1.42	19	24.69
0928	3.6	6.47	600	13.2	1.42	22	24.71
0931	4.2	6.49	601	13.3	1.44	24	24.73

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: Dup-3 and FB-3 taken from MW-30.

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: 1/17 - 1/20 (inclusive)
City: Seattle, WA Sampler: AW

Well ID MW-31 Date Monitored: 1-17-11
Well Diameter 2 in.
Total Depth 28.22 ft.
Depth to Water 19.79 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): 0815
Sample Time/Date: 0845 / 1-18-11
Approx. Flow Rate: 200ml/ppm.
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 19.82

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

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
0830	3	6.61	398	10.8	2.23	52	19.80
0833	3.6	6.62	401	10.4	2.23	54	19.82
0836	4.2	6.64	402	10.9	2.26	57	19.82

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)
	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: RETURNED TO COLLECT SHORT HOLD SAMPLES FOR NITRATE/NITRITE/SULFATE ON 1-19-11. SAMPLE TIME: 1335

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: 1/17 - 1/20 (inclusive)
City: Seattle, WA Sampler: AW

Well ID MW-32
Well Diameter 2 in.
Total Depth 28.96 ft.
Depth to Water 9.82 ft.

Date Monitored: 1-17-11

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): 1155 Weather Conditions: Cloudy
Sample Time/Date: 1230 / 1-18-11 Water Color: Cloudy Odor: Y / (N)
Approx. Flow Rate: 200ml /ppm. Sediment Description: Cloudy
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 9.87

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
1210	3.0	7.19	167	12.2	1.29	6	9.85
1213	3.6	7.18	169	12.3	1.30	8	9.86
1216	4.8	7.16	171	12.2	1.30	8	9.87

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: 1/17 - 1/20 (inclusive)
City: Seattle, WA Sampler: AW

Well ID MW-33
Well Diameter 2 in.
Total Depth 34.89 ft.
Depth to Water 27.75 ft.

Date Monitored: 1-17-11

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): 1100 Weather Conditions: Cloudy
Sample Time/Date: 1135 / 1-18-11 Water Color: Cloudy Odor: None Slight
Approx. Flow Rate: 200ml gpm. Sediment Description: Cloudy
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 27.79

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
1115	3.0	7.60	317	12.0	1.21	-9	27.77
1118	3.6	7.59	318	12.1	1.21	-10	27.78
1121	4.2	7.58	317	12.1	1.20	-10	27.79

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:

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: 1/17 - 1/20/11 (inclusive)
City: Seattle, WA Sampler: ML

Well ID MW-34 Date Monitored: 1-17-11
Well Diameter 2 in.
Total Depth 37.03 ft.
Depth to Water 27.00 ft.

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

☐ Check if water column is less then 0.50 ft.

— 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): 0910 Weather Conditions: Cloudy
Sample Time/Date: 0946 1-18-11 Water Color: Clear Odor: Y / N
Approx. Flow Rate: 200 ml/ gpm. Sediment Description: None
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 27.04

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
0925	3	6.82	416	12.1	2.61	-17	27.02
0928	3.6	6.78	421	12.2	2.57	-20	27.04
0931	4.2	6.77	420	12.2	2.55	-20	27.04

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: RETURNED TO COLLECT SHORT HOLD SAMPLES FOR NITRATE/NITRITE/SULFATE ON 1-19-11, SAMPLE TIME 1400.

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: 1/17 - 1/20 (inclusive)
City: Seattle, WA | Sampler: AW

Well ID: MW-35
Well Diameter: 2 in.
Total Depth: 37.20 ft.
Depth to Water: 30.43 ft.
Date Monitored: 1-17-11

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): 1010 | Weather Conditions: Cloudy
Sample Time/Date: 1040 / 1-18-11 | Water Color: Cloudy | Odor: (Y) / N Slight
Approx. Flow Rate: — gpm. | Sediment Description: Cloudy
Did well de-water? N | If yes, Time: — | Volume: — gal. | DTW @ Sampling: 30.45

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

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: Setup of peristaltic, water level too deep for peristaltic pump, after running 20min with no result. No purge sample taken after.

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: 1/17 - 1/20/11 (inclusive)
City: Seattle, WA Sampler: ML

Well ID RW-2 Date Monitored: 1-17-11
Well Diameter 8 in.
Total Depth 21.02 ft.
Depth to Water 9.70 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): 1210 Weather Conditions: SUNNY
Sample Time/Date: 1240 1-19-11 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: 9.70

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
1225	3	6.90	279	7.8	2.21	41	9.70
1228	3.6	6.94	286	7.8	2.24	43	9.70
1231	4.2	6.94	287	7.8	2.25	45	9.70

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
	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: 1/17-1/20/11 (inclusive)
City: Seattle, WA Sampler: ML

Well ID DPE-1
Well Diameter 4 in.
Total Depth 21.25 ft.
Depth to Water 10.56 ft.

Date Monitored: 1-17-11

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: PUMP in well 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: 1/17 - 1/20 (inclusive)
City: Seattle, WA | Sampler: AW

Well ID: DPE-2/SP-3 | Date Monitored: 1-17-11
Well Diameter: 4 in.
Total Depth: 24.55 ft.
Depth to Water: 10.33 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.

14.22 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 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: 1/17 - 1/20/11 (inclusive)

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

Well ID DPE-3 Date Monitored: 1-17-11

Well Diameter 4 in.

Total Depth 18.29 ft.

Depth to Water 10.62 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 (mhos/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	NWTRH-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: 1/17-1/20/11 (inclusive)

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

Well ID DPE-4

Well Diameter 4 in.

Total Depth 19.97 ft.

Depth to Water 10.40 ft.

Date Monitored: 1-17-11

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 - mS)	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: 1/17 - 1/20/11 (inclusive)
City: Seattle, WA Sampler: MC AW

Well ID DPE-5
Well Diameter 4 in.
Total Depth 26.67 ft.
Depth to Water 13.99 ft.

Date Monitored: 1-17-11

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): 1130
Sample Time/Date: 1200 1-20-11
Approx. Flow Rate: 200 ml/min. gpm.
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 14.00

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

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
1145	3	7.04	309	11.7	1.19	-36	14.00
1148	3.6	7.06	315	11.7	1.21	-31	14.00
1151	4.2	7.07	316	11.7	1.21	-30	14.00

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: 1/17 - 1/20/11 (Inclusive)
City: Seattle, WA Sampler: ML AW

Well ID DPE-6
Well Diameter 4 in.
Total Depth 32.76 ft.
Depth to Water 18.61 ft.

Date Monitored: 1-17-11

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): 0940 Weather Conditions: Cloudy
Sample Time/Date: 1010 11-20-11 Water Color: Cloudy Odor: Y (N) Medium
Approx. Flow Rate: 200ml gpm. Sediment Description: None
Did well de-water? No If yes, Time: Volume: gal. DTW @ Sampling: 18.61

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
0955	3	6.47	1280	12.7	2.16	-32	18.61
0958	3.6	6.51	1272	12.7	2.20	-37	18.61
1001	4.2	6.51	1273	12.7	2.21	-38	18.61

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
DPE-6	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml 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: 1/17-1/20/11 (inclusive)

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

Well ID DPE-7

Well Diameter 4 in.

Total Depth 25.80 ft.

Depth to Water 18.29 ft.

Date Monitored: 1-17-11

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: MO

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: 1/17 - 1/20 (inclusive)
City: Seattle, WA Sampler: AW

Well ID DPE-8
Well Diameter 4 in.
Total Depth 23.40 ft.
Depth to Water 11.60 ft.

Date Monitored: 1-17-11

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): 1210 Weather Conditions: Sunny
Sample Time/Date: 1245 / 1-19-11 Water Color: Cloudy Odor: Y / N
Approx. Flow Rate: 200ml gpm. Sediment Description: Cloudy
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 11.64

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
1225	3.0	7.44	165	10.7	1.23	93	11.62
1228	3.6	7.45	189	10.7	1.27	90	11.63
1231	4.2	7.44	190	10.9	1.29	87	11.64

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: 1/17-1/20/11 (inclusive)
City: Seattle, WA Sampler: MC

Well ID DRE-9
Well Diameter 4 in.
Total Depth 16.70 ft.
Depth to Water 11.63 ft.

Date Monitored: 1-17-11

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: NM/O PUMP IN WELL

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

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: _____ Sample #: _____ SCR#: _____

Facility #: SS#211577-OML G-R#386765
Site Address: 631 Queen Anne North, SEATTLE, WA
Chevron PM: OS Lead Consultant: SAICPC Catterall
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
Service Order #: _____ ☐ Non SAR: _____

Analyses Requested

Preservation Codes

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ 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	Matrix: Grab	Composite	Soil	Water (Potable ☐ NPDES ☐)	Oil ☐ Air ☐	Total Number of Containers	BTEX + MTBE ☐ 8021 ☐ 8260 ☒ Naphth	8260 full scan	Oxygenates	TPH G	TPH D ☐ Extended Rng. ☐ Silica Gel Cleanup	Lead Total ☐ Diss. ☐ Method ____	VPH/EPH	NWTPH H HCID ☐ quantification	
									H			H					
FB-2	1-18-11		X			X		6	X			X					
FB-3	↓		X			X		6	X			X					
DUP-2			X			X		6	X			X					
DUP-3			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

Data Package Options (please circle if required) EDF/EDD
QC Summary Type I - Full
Type VI (Raw Data) Disk / EDD
WIP (RWQCB) Standard Format
Disk _____Other.

Relinquished by:	Date	Time	Received by:	Date	Time
	1-18-11	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		

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: _____ Sample #: _____ SCR#: _____

Facility #: SS#211577-OML G-R#386765
Site Address: 631 Queen Anne North, SEATTLE, WA
Chevron PM: OS Lead Consultant: SAICPC Catterall
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
Service Order #: _____ ☐ Non SAR: _____

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

Analyses Requested

Preservation Codes

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ 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	Total Number of Containers	BTEX + MTBE / 8021 ☐ 8260 ☒ Naphth	8260 full scan / ALKALINITY (SM 2320B)	Oxygenates	TPH G	TPH D ☒ Extended Rng. ☒ Silica Gel Cleanup	Lead Total ☐ Diss. ☐ Method	VPH/EPH	NWTPH H HCID ☐ quantification	FERROUS IRON (SM 3500 Fe B)	NITRATE/NITRITE/SULFATE (EPA 300)	TOTAL IRON/MANGANESE (6010B)	SULFIDE (SM20 4500 S2 D)
QA	1-18-11		X		2	X			X								
MW-16		1035	X		14	X	X		X	X				X	X	X	X
MW-17		1240	X		14	X	X		X	X				X	X	X	X
MW-21		0840	X		14	X	X		X	X				X	X	X	X
MW-26		1140	X		14	X	X		X	X				X	X	X	X
MW-30		0945	X		14	X	X		X	X				X	X	X	X
MW-31		0845	X		14	X	X		X	X				X	X	X	X
MW-32		1230	X		8	X			X	X							
MW-33		1135	X		14	X	X		X	X				X	X	X	X
MW-34		0940	X		14	X	X		X	X				X	X	X	X
MW-35		1040	X		14	X	X		X	X				X	X	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

Data Package Options (please circle if required) **EDF/EDD**
QC Summary Type I - Full
Type VI (Raw Data) Disk / EDD
WIP (RWQCB) Standard Format
Disk _____ Other.

	Date	Time		Date	Time
Relinquished by:	1-18-11	1700	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by Commercial Carrier: UPS FedEx Other _____			Received by:		
Temperature Upon Receipt _____ C°			Custody Seals intact? Yes No		

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: _____ Sample #: _____ SCR#: _____

Facility #: SS#211577-OML G-R#386765
Site Address: 631 Queen Anne North, SEATTLE, WA
Chevron PM: OS Lead Consultant: SAICPC Catterall
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
Service Order #: _____ ☐ Non SAR: _____

Matrix: ☐ Potable ☐ NPDES; Soil; Water; Oil ☐ Air ☐; Total Number of Containers

Analyses Requested / Preservation Codes

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil/Air	Total Containers	BTEX + MTBE / 8021 / 8260 ☒ Naphth	8260 full scan	Oxygenates	TPH Gx	TPH D (Extended Rng. / Silica Gel Cleanup)	Lead Total (Diss. / Method ___)	VPH/EPH	NWTPH H HCID (quantification)	Nitrate/Nitrite/Sulfate (EPA 300.0)
MW-21	1-18-11	0840	X			X		6	X			X					
MW-31	↓	0845	X			X		6	X			X					
MW-34	↓	0940	X			X		5	X			X					
MW-21	1-19-11	1310	X			X		2									X
MW-31	↓	1335	X			X		2									X
MW-34	↓	1400	X			X		2									X

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ 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

Data Package Options (please circle if required) EDF/EDD
QC Summary Type I - Full
Type VI (Raw Data) Disk / EDD
WIP (RWQCB) Standard Format
Disk _____ Other.

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	1-19-11	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		

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: _____ Sample #: _____ SCR#: _____

Facility #: SS#211577-OML G-R#386765
Site Address: 631 Queen Anne North, SEATTLE, WA
Chevron PM: OS Lead Consultant: SAICPC Catterall
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
Service Order #: _____ ☐ Non SAR: _____

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

Analyses Requested

Preservation Codes

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ 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	Total Number of Containers	BTEX + ☐ Naphth ☐ 8021 ☐ 8260 ☒ Naphth	Alkalinity (2320B)	Oxygenates ____	TPH GX	TPH D ☒ Extended Rng. ☒ Silica Gel Cleanup	Lead Total ☐ Diss. ☐ Method ____	VPH/EPH	NWTPH H HCID ☐ quantification	Ferrous Iron (SM 3500 Fe B)	Nitrate/Nitrite/Sulfate (EPA 300.0)	Total Iron/Manganese (6010B)	Sulfide (SM20 4500 S2 D)
QA	1-20-11		X		2	X			X								
MW-6		1100	X		14	X	X		X	X				X	X	X	X
MW-9		0920	X		14	X	X		X	X				X	X	X	X
MW-10		0830	X		14	X	X		X	X				X	X	X	X
DPE-5		1200	X		8	X			X	X							
DPE-6		1010	X		8	X			X	X							
DUP-1			X		6	X			X								
FB-1			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

Data Package Options (please circle if required) EDF/EDD
QC Summary | Type I - Full
Type VI (Raw Data) | Disk / EDD
WIP (RWQCB) | Standard Format
Disk | _____ Other.

	Date	Time		Date	Time
Relinquished by:	1-20-11	1600	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by Commercial Carrier: UPS FedEx Other _____			Received by:		
Temperature Upon Receipt _____ C°			Custody Seals Intact? Yes No		

Attachment B:
Laboratory Analysis Report

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

January 31, 2011

Project: 211577

Submittal Date: 01/19/2011
Group Number: 1229635
PO Number: 0015061199
Release Number: SKANCE

State of Sample Origin: WA

Client Sample Description	Lancaster Labs (LLI) #
QA Water Sample	6186327
MW-16 Grab Water Sample	6186328
MW-17 Grab Water Sample	6186329
MW-21 Grab Water Sample	6186330
MW-26 Grab Water Sample	6186331
MW-30 Grab Water Sample	6186332
MW-31 Grab Water Sample	6186333
MW-32 Grab Water Sample	6186334
MW-33 Grab Water Sample	6186335
MW-34 Grab Water Sample	6186336
MW-35 Grab Water Sample	6186337
FB-2 Grab Water Sample	6186338
FB-3 Grab Water Sample	6186339
DUP-2 Grab Water Sample	6186340
DUP-3 Grab Water Sample	6186341

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

Lancaster Laboratories

Analysis Report

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ELECTRONIC COPY TO SAIC

Attn: Jamalyn Green

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

Respectfully Submitted,

Robin C. Runkle
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 6186327
LLI Group # 1229635
Account # 11260

Project Name: 211577

Collected: 01/18/2011

Submitted: 01/19/2011 09:40
Reported: 01/31/2011 14:18

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASEA

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
Additional sample volume received on 01/20/11 for VOAs.

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	D110243AA	01/24/2011 22:53	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110243AA	01/24/2011 22:53	Kelly E Keller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11021C20A	01/21/2011 17:02	Katrina T Longenecker	1
01146	GC VOA Water Prep	SW-846 5030B	1	11021C20A	01/21/2011 17:02	Katrina T Longenecker	1

Lancaster Laboratories

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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 6186328
LLI Group # 1229635
Account # 11260

Project Name: 211577

Collected: 01/18/2011 10:35 by ML

Submitted: 01/19/2011 09:40
Reported: 01/31/2011 14:18

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SEA16

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.	53	30	1
02211	HRO C24-C40 w/Si Gel	n.a.	290	70	1
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	43,600	52.2	1
07058	Manganese	7439-96-5	4,020	0.84	1
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	5,900	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	14,500	1,500	5
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	67,400	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	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

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	D110243AA	01/24/2011 23:16	Kelly E Keller	1

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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 6186328
LLI Group # 1229635
Account # 11260

Project Name: 211577

Collected: 01/18/2011 10:35 by ML

Submitted: 01/19/2011 09:40
Reported: 01/31/2011 14:18

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SEA16

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110243AA	01/24/2011 23:16	Kelly E Keller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11021C20A	01/21/2011 20:18	Katrina T Longenecker	1
01146	GC VOA Water Prep	SW-846 5030B	1	11021C20A	01/21/2011 20:18	Katrina T Longenecker	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	110210011A	01/25/2011 11:14	Melissa McDermott	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	110210011A	01/21/2011 15:15	Kathryn I DeHaven	1
01754	Iron	SW-846 6010B	1	110201848003	01/21/2011 20:37	John P Hook	1
07058	Manganese	SW-846 6010B	1	110201848003	01/21/2011 20:37	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	110201848003	01/20/2011 20:00	Mirit S Shenouda	1
00368	Nitrate Nitrogen	EPA 300.0	1	11019237902A	01/20/2011 03:51	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11019237902A	01/20/2011 03:51	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11019237902A	01/20/2011 03:51	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11020020201B	01/20/2011 07:46	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11020020201B	01/20/2011 07:46	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11019834401A	01/19/2011 19:25	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	11021023001A	01/21/2011 14:35	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 6186329
LLI Group # 1229635
Account # 11260

Project Name: 211577

Collected: 01/18/2011 12:40 by ML

Submitted: 01/19/2011 09:40
Reported: 01/31/2011 14:18

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SEA17

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.	71	1
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	134	52.2	1
07058	Manganese	7439-96-5	116	0.84	1
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	4,600	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	26,000	1,500	5
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	75,400	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.	54	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	D110243AA	01/25/2011 00:23	Kelly E Keller	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 6186329
LLI Group # 1229635
Account # 11260

Project Name: 211577

Collected: 01/18/2011 12:40 by ML

Submitted: 01/19/2011 09:40
Reported: 01/31/2011 14:18

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SEA17

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110243AA	01/25/2011 00:23	Kelly E Keller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11021C20A	01/21/2011 20:40	Katrina T Longenecker	1
01146	GC VOA Water Prep	SW-846 5030B	1	11021C20A	01/21/2011 20:40	Katrina T Longenecker	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	110210011A	01/25/2011 09:49	Melissa McDermott	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	110210011A	01/21/2011 15:15	Kathryn I DeHaven	1
01754	Iron	SW-846 6010B	1	110201848003	01/21/2011 20:40	John P Hook	1
07058	Manganese	SW-846 6010B	1	110201848003	01/21/2011 20:40	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	110201848003	01/20/2011 20:00	Mirit S Shenouda	1
00368	Nitrate Nitrogen	EPA 300.0	1	11019237902A	01/20/2011 04:05	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11019237902A	01/20/2011 04:05	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11019237902A	01/20/2011 04:05	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11020020201B	01/20/2011 07:46	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11020020201B	01/20/2011 07:46	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11019834401A	01/19/2011 19:25	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	11021023001A	01/21/2011 14:35	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 6186330
LLI Group # 1229635
Account # 11260

Project Name: 211577

Collected: 01/18/2011 08:40 by ML

Submitted: 01/19/2011 09:40
Reported: 01/31/2011 14:18

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SEA21

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	100	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.	60	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.	630	70	1
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	55,800	52.2	1
07058	Manganese	7439-96-5	930	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	40,900	1,500	5
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	198,000	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.	6,100	200	20
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	140	110	2

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

General Sample Comments

State of Washington Lab Certification No. C259
Additional sample volume received on 01/20/11 for VOAs, Nitrate, Nitrite & Sulfate.
Nitrate, Nitrite & Sulfate were collected 1/19/11 at 13:10 by ML.

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

Lancaster Laboratories

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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 6186330
LLI Group # 1229635
Account # 11260

Project Name: 211577

Collected: 01/18/2011 08:40 by ML

Submitted: 01/19/2011 09:40
Reported: 01/31/2011 14:18

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SEA21

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	D110243AA	01/25/2011 00:45	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110243AA	01/25/2011 00:45	Kelly E Keller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11021C20A	01/21/2011 21:01	Katrina T Longenecker	1
01146	GC VOA Water Prep	SW-846 5030B	1	11021C20A	01/21/2011 21:01	Katrina T Longenecker	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	110240015A	01/28/2011 17:29	Melissa McDermott	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	110240015A	01/24/2011 17:00	Kathryn I DeHaven	1
01754	Iron	SW-846 6010B	1	110201848003	01/21/2011 20:43	John P Hook	1
07058	Manganese	SW-846 6010B	1	110201848003	01/21/2011 20:43	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	110201848003	01/20/2011 20:00	Mirit S Shenouda	1
00368	Nitrate Nitrogen	EPA 300.0	1	11019237902A	01/20/2011 12:22	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11019237902A	01/20/2011 12:22	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11019237902A	01/20/2011 12:22	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11020020201B	01/20/2011 07:46	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11020020201B	01/20/2011 07:46	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11019834401A	01/19/2011 19:25	Daniel S Smith	20
00230	Sulfide	SM20 4500 S2 D	1	11021023001A	01/21/2011 14:35	Susan E Hibner	2

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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 6186331
LLI Group # 1229635
Account # 11260

Project Name: 211577

Collected: 01/18/2011 11:40 by ML

Submitted: 01/19/2011 09:40
Reported: 01/31/2011 14:18

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SEA26

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.	40	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	98.3	52.2	1
07058	Manganese		7439-96-5	55.6	0.84	1
Wet Chemistry		**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen		14797-55-8	15,300	500	10
01506	Nitrite Nitrogen		14797-65-0	N.D.	400	5
00228	Sulfate		14808-79-8	33,700	1,500	5
		SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5		n.a.	97,100	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.	20	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

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	D110243AA	01/25/2011 01:07	Kelly E Keller	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 6186331
LLI Group # 1229635
Account # 11260

Project Name: 211577

Collected: 01/18/2011 11:40 by ML

Submitted: 01/19/2011 09:40
Reported: 01/31/2011 14:18

Chevron
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San Ramon CA 94583

SEA26

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110243AA	01/25/2011	01:07	Kelly E Keller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11021C20A	01/21/2011	21:23	Katrina T Longenecker	1
01146	GC VOA Water Prep	SW-846 5030B	1	11021C20A	01/21/2011	21:23	Katrina T Longenecker	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	110240015A	01/28/2011	14:22	Melissa McDermott	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	110240015A	01/24/2011	17:00	Kathryn I DeHaven	1
01754	Iron	SW-846 6010B	1	110201848003	01/21/2011	20:47	John P Hook	1
07058	Manganese	SW-846 6010B	1	110201848003	01/21/2011	20:47	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	110201848003	01/20/2011	20:00	Mirit S Shenouda	1
00368	Nitrate Nitrogen	EPA 300.0	1	11019237902A	01/20/2011	10:43	Ashley M Adams	10
01506	Nitrite Nitrogen	EPA 300.0	1	11019237902A	01/20/2011	03:37	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11019237902A	01/20/2011	03:37	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11020020201B	01/20/2011	07:46	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11020020201B	01/20/2011	07:46	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11019834401A	01/19/2011	19:25	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	11021023001A	01/21/2011	14:35	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 6186332
LLI Group # 1229635
Account # 11260

Project Name: 211577

Collected: 01/18/2011 09:45 by ML

Submitted: 01/19/2011 09:40
Reported: 01/31/2011 14:18

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SEA30

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.	67	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	71,800	52.2	1
07058	Manganese	7439-96-5	6,500	0.84	1
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	22,700	500	10
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	28,800	1,500	5
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	267,000	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.	54	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	D110243AA	01/25/2011 01:30	Kelly E Keller	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 6186332
LLI Group # 1229635
Account # 11260

Project Name: 211577

Collected: 01/18/2011 09:45 by ML

Submitted: 01/19/2011 09:40
Reported: 01/31/2011 14:18

Chevron
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SEA30

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110243AA	01/25/2011	01:30	Kelly E Keller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11021C20A	01/21/2011	21:45	Katrina T Longenecker	1
01146	GC VOA Water Prep	SW-846 5030B	1	11021C20A	01/21/2011	21:45	Katrina T Longenecker	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	110240015A	01/28/2011	14:43	Melissa McDermott	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	110240015A	01/24/2011	17:00	Kathryn I DeHaven	1
01754	Iron	SW-846 6010B	1	110201848003	01/21/2011	20:50	John P Hook	1
07058	Manganese	SW-846 6010B	1	110201848003	01/21/2011	20:50	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	110201848003	01/20/2011	20:00	Mirit S Shenouda	1
00368	Nitrate Nitrogen	EPA 300.0	1	11019237902A	01/20/2011	10:57	Ashley M Adams	10
01506	Nitrite Nitrogen	EPA 300.0	1	11019237902A	01/20/2011	04:19	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11019237902A	01/20/2011	04:19	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11020020201B	01/20/2011	07:46	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11020020201B	01/20/2011	07:46	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11019834401A	01/19/2011	19:25	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	11021023001A	01/21/2011	14:35	Susan E Hibner	1

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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 6186333
LLI Group # 1229635
Account # 11260

Project Name: 211577

Collected: 01/18/2011 08:45 by ML

Submitted: 01/19/2011 09:40
Reported: 01/31/2011 14:18

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SEA31

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.	32	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	247,000	52.2	1
07058	Manganese	7439-96-5	6,290	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	41,400	1,500	5
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	144,000	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	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
Additional sample volume received on 01/20/11 for VOAs, Nitrate, Nitrite & Sulfate.
Nitrate, Nitrite & Sulfate were collected 1/19/11 at 13:35 by ML.

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 6186333
LLI Group # 1229635
Account # 11260

Project Name: 211577

Collected: 01/18/2011 08:45 by ML

Submitted: 01/19/2011 09:40
Reported: 01/31/2011 14:18

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SEA31

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	D110243AA	01/25/2011 01:52	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110243AA	01/25/2011 01:52	Kelly E Keller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11021C20A	01/21/2011 22:07	Katrina T Longenecker	1
01146	GC VOA Water Prep	SW-846 5030B	1	11021C20A	01/21/2011 22:07	Katrina T Longenecker	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	110240015A	01/28/2011 15:03	Melissa McDermott	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	110240015A	01/24/2011 17:00	Kathryn I DeHaven	1
01754	Iron	SW-846 6010B	1	110201848003	01/21/2011 20:54	John P Hook	1
07058	Manganese	SW-846 6010B	1	110201848003	01/21/2011 20:54	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	110201848003	01/20/2011 20:00	Mirit S Shenouda	1
00368	Nitrate Nitrogen	EPA 300.0	1	11019237902A	01/20/2011 12:36	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11019237902A	01/20/2011 12:36	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11019237902A	01/20/2011 12:36	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11020020201B	01/20/2011 07:46	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11020020201B	01/20/2011 07:46	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11019834401A	01/19/2011 19:25	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	11021023001A	01/21/2011 14:35	Susan E Hibner	2

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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 6186334
LLI Group # 1229635
Account # 11260

Project Name: 211577

Collected: 01/18/2011 12:30 by ML

Submitted: 01/19/2011 09:40
Reported: 01/31/2011 14:18

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SEA32

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.	70	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	D110271AA	01/27/2011 22:28	Nicholas R Rossi	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110271AA	01/27/2011 22:28	Nicholas R Rossi	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11021C20A	01/21/2011 22:29	Katrina T Longenecker	1
01146	GC VOA Water Prep	SW-846 5030B	1	11021C20A	01/21/2011 22:29	Katrina T Longenecker	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	110240015A	01/28/2011 15:24	Melissa McDermott	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	110240015A	01/24/2011 17:00	Kathryn I DeHaven	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 6186335
LLI Group # 1229635
Account # 11260

Project Name: 211577

Collected: 01/18/2011 11:35 by ML

Submitted: 01/19/2011 09:40
Reported: 01/31/2011 14:18

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SEA33

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	620	5	10
10943	Ethylbenzene	100-41-4	64	0.5	1
10943	Toluene	108-88-3	10	0.5	1
10943	Xylene (Total)	1330-20-7	27	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	750	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.	680	30	1
02211	HRO C24-C40 w/Si Gel	n.a.	370	70	1
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	12,300	52.2	1
07058	Manganese	7439-96-5	366	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	30,900	1,500	5
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	243,000	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.	3,900	100	10
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	3,900	220	4

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	D110243AA	01/25/2011 02:37	Kelly E Keller	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 6186335
LLI Group # 1229635
Account # 11260

Project Name: 211577

Collected: 01/18/2011 11:35 by ML

Submitted: 01/19/2011 09:40
Reported: 01/31/2011 14:18

Chevron
6001 Bollinger Canyon Road
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San Ramon CA 94583

SEA33

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	D110243AA	01/25/2011 03:00	Kelly E Keller	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110243AA	01/25/2011 02:37	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	D110243AA	01/25/2011 03:00	Kelly E Keller	10
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11021A20A	01/21/2011 17:12	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	11021A20A	01/21/2011 17:12	Martha L Seidel	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	110240015A	01/28/2011 15:45	Melissa McDermott	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	110240015A	01/24/2011 17:00	Kathryn I DeHaven	1
01754	Iron	SW-846 6010B	1	110201848003	01/21/2011 20:57	John P Hook	1
07058	Manganese	SW-846 6010B	1	110201848003	01/21/2011 20:57	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	110201848003	01/20/2011 20:00	Mirit S Shenouda	1
00368	Nitrate Nitrogen	EPA 300.0	1	11019237902A	01/20/2011 03:22	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11019237902A	01/20/2011 03:22	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11019237902A	01/20/2011 03:22	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11020020201B	01/20/2011 07:46	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11020020201B	01/20/2011 07:46	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11019834401A	01/19/2011 19:25	Daniel S Smith	10
00230	Sulfide	SM20 4500 S2 D	1	11021023001A	01/21/2011 14:35	Susan E Hibner	4

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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 6186336
LLI Group # 1229635
Account # 11260

Project Name: 211577

Collected: 01/18/2011 09:40 by ML

Submitted: 01/19/2011 09:40
Reported: 01/31/2011 14:18

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SEA34

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.	39	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	175,000	52.2	1
07058	Manganese	7439-96-5	3,290	0.84	1
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	11,700	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.	85,200	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.	21	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
Additional sample volume received on 01/20/11 for VOAs, Nitrate, Nitrite & Sulfate.
Nitrate, Nitrite & Sulfate were collected 1/19/11 at 14:00 by ML.

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 6186336
LLI Group # 1229635
Account # 11260

Project Name: 211577

Collected: 01/18/2011 09:40 by ML

Submitted: 01/19/2011 09:40
Reported: 01/31/2011 14:18

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SEA34

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	D110243AA	01/25/2011 03:23	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110243AA	01/25/2011 03:23	Kelly E Keller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11021A20A	01/21/2011 17:34	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	11021A20A	01/21/2011 17:34	Martha L Seidel	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	110240015A	01/28/2011 16:06	Melissa McDermott	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	110240015A	01/24/2011 17:00	Kathryn I DeHaven	1
01754	Iron	SW-846 6010B	1	110201848010	01/21/2011 16:53	John P Hook	1
07058	Manganese	SW-846 6010B	1	110201848010	01/21/2011 16:53	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	110201848010	01/20/2011 13:03	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	11019237902A	01/20/2011 12:51	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11019237902A	01/20/2011 12:51	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11019237902A	01/20/2011 12:51	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11020020201B	01/20/2011 07:46	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11020020201B	01/20/2011 07:46	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11019834401A	01/19/2011 19:25	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	11021023001A	01/21/2011 14:35	Susan E Hibner	4

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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 6186337
LLI Group # 1229635
Account # 11260

Project Name: 211577

Collected: 01/18/2011 10:40 by ML

Submitted: 01/19/2011 09:40
Reported: 01/31/2011 14:18

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SEA35

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	5	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.	170	30	1
02211	HRO C24-C40 w/Si Gel	n.a.	220	69	1
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	100,000	52.2	1
07058	Manganese	7439-96-5	3,140	0.84	1
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	340	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	80,200	3,000	10
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	173,000	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.	2,000	100	10
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	170	54	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	D110243AA	01/25/2011 03:45	Kelly E Keller	1

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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 6186337
LLI Group # 1229635
Account # 11260

Project Name: 211577

Collected: 01/18/2011 10:40 by ML

Submitted: 01/19/2011 09:40
Reported: 01/31/2011 14:18

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SEA35

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110243AA	01/25/2011 03:45	Kelly E Keller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11021A20A	01/21/2011 17:56	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	11021A20A	01/21/2011 17:56	Martha L Seidel	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	110240015A	01/28/2011 16:27	Melissa McDermott	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	110240015A	01/24/2011 17:00	Kathryn I DeHaven	1
01754	Iron	SW-846 6010B	1	110201848010	01/21/2011 16:57	John P Hook	1
07058	Manganese	SW-846 6010B	1	110201848010	01/21/2011 16:57	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	110201848010	01/20/2011 13:03	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	11019237902A	01/20/2011 02:40	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11019237902A	01/20/2011 02:40	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11019237902A	01/25/2011 15:23	Ashley M Adams	10
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11020020201B	01/20/2011 07:46	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11020020201B	01/20/2011 07:46	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11019834401A	01/19/2011 19:25	Daniel S Smith	10
00230	Sulfide	SM20 4500 S2 D	1	11021023001A	01/21/2011 14:35	Susan E Hibner	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 6186338
LLI Group # 1229635
Account # 11260

Project Name: 211577

Collected: 01/18/2011 by ML

Submitted: 01/19/2011 09:40
Reported: 01/31/2011 14:18

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SEFB2

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	D110243AA	01/25/2011 04:08	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110243AA	01/25/2011 04:08	Kelly E Keller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11021A20A	01/21/2011 18:18	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	11021A20A	01/21/2011 18:18	Martha L Seidel	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 6186339
LLI Group # 1229635
Account # 11260

Project Name: 211577

Collected: 01/18/2011 by ML

Submitted: 01/19/2011 09:40
Reported: 01/31/2011 14:18

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SEFB3

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	D110243AA	01/25/2011 04:30	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110243AA	01/25/2011 04:30	Kelly E Keller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11021A20A	01/21/2011 18:39	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	11021A20A	01/21/2011 18:39	Martha L Seidel	1

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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 6186340
LLI Group # 1229635
Account # 11260

Project Name: 211577

Collected: 01/18/2011 by ML

Submitted: 01/19/2011 09:40
Reported: 01/31/2011 14:18

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SEFD2

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	D110243AA	01/25/2011 04:53	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110243AA	01/25/2011 04:53	Kelly E Keller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11021A20A	01/21/2011 19:01	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	11021A20A	01/21/2011 19:01	Martha L Seidel	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 6186341
LLI Group # 1229635
Account # 11260

Project Name: 211577

Collected: 01/18/2011 by ML

Submitted: 01/19/2011 09:40
Reported: 01/31/2011 14:18

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

SEFD3

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	D110243AA	01/25/2011 05:16	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110243AA	01/25/2011 05:16	Kelly E Keller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11021A20A	01/21/2011 19:23	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	11021A20A	01/21/2011 19:23	Martha L Seidel	1

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Analysis Report

Quality Control Summary

Client Name: Chevron Group Number: 1229635
Reported: 01/31/11 at 02:18 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: D110243AA	Sample number(s): 6186327-6186333,6186335-6186341							
Benzene	N.D.	0.5	ug/l	94		79-120		
Ethylbenzene	N.D.	0.5	ug/l	92		79-120		
Toluene	N.D.	0.5	ug/l	97		79-120		
Xylene (Total)	N.D.	0.5	ug/l	95		80-120		
Batch number: D110271AA	Sample number(s): 6186334							
Benzene	N.D.	0.5	ug/l	98		79-120		
Ethylbenzene	N.D.	0.5	ug/l	90		79-120		
Toluene	N.D.	0.5	ug/l	94		79-120		
Xylene (Total)	N.D.	0.5	ug/l	89		80-120		
Batch number: 11021A20A	Sample number(s): 6186335-6186341							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	100	91	75-135	10	30
Batch number: 11021C20A	Sample number(s): 6186327-6186334							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	91	89	75-135	2	30
Batch number: 110210011A	Sample number(s): 6186328-6186329							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	79		50-100		
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 110240015A	Sample number(s): 6186330-6186337							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	93	103	56-103	10	20
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 110201848003	Sample number(s): 6186328-6186333,6186335							
Iron	N.D.	52.2	ug/l	102		90-112		
Manganese	N.D.	0.84	ug/l	101		90-110		
Batch number: 110201848010	Sample number(s): 6186336-6186337							
Iron	N.D.	52.2	ug/l	104		90-112		
Manganese	N.D.	0.84	ug/l	103		90-110		
Batch number: 11019237902A	Sample number(s): 6186328-6186333,6186335-6186337							
Nitrate Nitrogen	N.D.	50.	ug/l	105		90-110		
Nitrite Nitrogen	N.D.	80.	ug/l	105		90-110		
Sulfate	N.D.	300.	ug/l	107		89-110		
Batch number: 11019834401A	Sample number(s): 6186328-6186333,6186335-6186337							
Ferrous Iron	N.D.	10.	ug/l	99		92-105		
Batch number: 11020020201B	Sample number(s): 6186328-6186333,6186335-6186337							
Alkalinity to pH 4.5	N.D.	460.	ug/l as CaCO3	100		98-103		
Batch number: 11021023001A	Sample number(s): 6186328-6186333,6186335-6186337							

*- 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: 01/31/11 at 02:18 PM

Group Number: 1229635

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		

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: D110243AA	Sample number(s): 6186327-6186333,6186335-6186341 UNSPK: 6186328								
Benzene	85	100	80-126	16	30				
Ethylbenzene	81	94	71-134	16	30				
Toluene	86	102	80-125	17	30				
Xylene (Total)	82	99	79-125	18	30				
Batch number: D110271AA	Sample number(s): 6186334 UNSPK: P188733								
Benzene	107	117	80-126	9	30				
Ethylbenzene	100	108	71-134	8	30				
Toluene	103	114	80-125	10	30				
Xylene (Total)	97	108	79-125	11	30				
Batch number: 110210011A	Sample number(s): 6186328-6186329 BKG: P185519								
DRO C12-C24 w/Si Gel						750	470	46* (1)	20
HRO C24-C40 w/Si Gel						N.D.	N.D.	0 (1)	20
Batch number: 110201848003	Sample number(s): 6186328-6186333,6186335 UNSPK: P186101 BKG: P186101								
Iron	104	100	75-125	2	20	712	672	6 (1)	20
Manganese	96	99	75-125	1	20	1,120	1,100	2	20
Batch number: 110201848010	Sample number(s): 6186336-6186337 UNSPK: P186667 BKG: P186667								
Iron	103	100	75-125	2	20	224	218	3 (1)	20
Manganese	101	100	75-125	1	20	81.3	84.6	4	20
Batch number: 11019237902A	Sample number(s): 6186328-6186333,6186335-6186337 UNSPK: 6186337 BKG: 6186337								
Nitrate Nitrogen	91		90-110			340	380	9 (1)	20
Nitrite Nitrogen	93		90-110			N.D.	N.D.	0 (1)	20
Sulfate	103		90-110			80,200	80,800	1	20
Batch number: 11019834401A	Sample number(s): 6186328-6186333,6186335-6186337 UNSPK: 6186337 BKG: 6186337								
Ferrous Iron	96	98	73-120	2	6	2,000	2,100	1 (1)	5
Batch number: 11020020201B	Sample number(s): 6186328-6186333,6186335-6186337 UNSPK: 6186331 BKG: 6186331								
Alkalinity to pH 4.5	100		73-121			97,100	98,400	1	5
Alkalinity to pH 8.3						N.D.	N.D.	0 (1)	5
Batch number: 11021023001A	Sample number(s): 6186328-6186333,6186335-6186337 UNSPK: P185736 BKG: P185738								
Sulfide	86	92	69-133	4	5	690	700	2 (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.

*- 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: 1229635
Reported: 01/31/11 at 02:18 PM

Surrogate Quality Control

Analysis Name: UST VOCs by 8260B - Water
Batch number: D110243AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6186327	101	103	98	85
6186328	101	101	98	86
6186329	100	103	97	85
6186330	98	99	95	91
6186331	98	101	99	108
6186332	102	101	97	86
6186333	102	106	98	86
6186335	96	99	100	92
6186336	101	103	98	85
6186337	100	100	95	84
6186338	100	104	109	86
6186339	98	99	98	87
6186340	98	100	98	87
6186341	99	102	100	89
Blank	99	102	98	86
LCS	97	101	99	95
MS	98	102	97	93
MSD	96	104	99	95
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water
Batch number: D110271AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6186334	97	104	96	92
Blank	97	101	98	92
LCS	95	101	98	96
MS	95	103	98	98
MSD	95	101	98	96
Limits:	80-116	77-113	80-113	78-113

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 11021A20A

	Trifluorotoluene-F
6186335	156*
6186336	90
6186337	90
6186338	90
6186339	92
6186340	91
6186341	91
Blank	88
LCS	108
LCSD	106
Limits:	63-135

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 11021C20A

*- 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: 01/31/11 at 02:18 PM

Group Number: 1229635

Surrogate Quality Control

	Trifluorotoluene-F
6186327	76
6186328	75
6186329	77
6186330	85
6186331	78
6186332	78
6186333	78
6186334	75
Blank	78
LCS	97
LCSD	96
Limits:	63-135

Analysis Name: NWTPH-Dx water w/Si Gel
Batch number: 110210011A

	Orthoterphenyl
6186328	92
6186329	90
Blank	94
DUP	98
LCS	101
Limits:	50-150

Analysis Name: NWTPH-Dx water w/Si Gel
Batch number: 110240015A

	Orthoterphenyl
6186330	111
6186331	100
6186332	111
6186333	105
6186334	121
6186335	114
6186336	107
6186337	118
Blank	137
LCS	118
LCSD	135
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
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: 11260 Sample #: 6186327-41 JF# SCR#: 1229635

Analyses Requested

Facility #: SS#211577-OML G-R#386765
Site Address: 631 Queen Anne North, SEATTLE, WA
Chevron PM: OS Lead Consultant: SAICPC Catterall
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
Service Order #: ☐ Non SAR:

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water	Matrix: Oil ☐ Air ☐	Total Number of Containers	Preservation Codes: H	BTEX + 8021 ☐ 8260 ☒ Naphth	ALKALINITY (2320B)	Oxygenates	TPH G	TPH D ☒ Extended Rng. ☐ Silica Gel Cleanup	Lead Total ☐ Diss. ☐ Method	VPH/EPH	NWTPH H HCID ☐ quantification	FERROUS IRON (SM 3500 Fe B)	Nitrate/Nitrite/Sulfate (EPA 300)	Total Iron/MANGANESE (6010B)	SULFIDE (SM20 4500 S2 D)
QA	1-18-11		X			X		2	X				X								
MW-16		1035	X			X		14	X	X			X	X				X	X	X	X
MW-17		1240	X			X		14	X	X			X	X				X	X	X	X
MW-21		0840	X			X		14	X	X			X	X				X	X	X	X
MW-26		1140	X			X		14	X	X			X	X				X	X	X	X
MW-30		0945	X			X		14	X	X			X	X				X	X	X	X
MW-31		0845	X			X		14	X	X			X	X				X	X	X	X
MW-32		1230	X			X		8	X				X	X							
MW-33		1135	X			X		14	X	X			X	X				X	X	X	X
MW-34		0940	X			X		14	X	X			X	X				X	X	X	X
MW-35		1040	X			X		14	X	X			X	X				X	X	X	X

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ 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

Data Package Options (please circle if required) **EDF/EDD**
QC Summary | Type I - Full
Type VI (Raw Data) | Disk / EDD
WIP (RWQCB) | Standard Format
Disk | _____ Other.

Relinquished by:	Date	Time	Received by:	Date	Time
	1-18-11	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:	1/19/11	940
Temperature Upon Receipt 2.4-3.5 C°			Custody Seals Intact? Yes No		

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories
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For Lancaster Laboratories use only
Acct. #: 11260 Sample #: 6186327-41 SCR#: 1/19/11
gr# 1226 1229635

Facility #: SS#211577-OML G-R#386765
Site Address: 631 Queen Anne North, SEATTLE, WA
Chevron PM: OS Lead Consultant: SAICPC Catterall
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
Service Order #: ☐ Non SAR:

Analyses Requested / **Preservation Codes**: H (BTEX + Naphth), H (TPH G)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil ☐ Air ☐	Total Number of Containers	BTEX + 8021 ☐ 8260 ☒ Naphth ☐	8260 full scan	Oxygenates	NW TPH G	TPH D ☐ Extended Rng. ☐ Silica Gel Cleanup	Lead Total ☐ Diss. ☐ Method	VPH/EPH	NWTPH H HCID ☐ quantification
FB-2	1-18-11		X			X		6	X			X				
FB-3	↓		X			X		6	X			X				
DUP-2	↓		X			X		6	X			X				
DUP-3	↓		X			X		6	X			X				

Matrix: ☐ Potable ☐ NPDES

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ 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

Data Package Options (please circle if required) **EDF/EDD**
QC Summary Type I - Full
Type VI (Raw Data) Disk / EDD
WIP (RWQCB) Standard Format
Disk ________ Other.

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	1-18-11	1700			
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by Commercial Carrier: UPS (FedEx) Other ________			Received by: [signature]	1/19/11	940
Temperature Upon Receipt 2.4-3.5 C°			Custody Seals Intact? (Yes) No		

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: 11260 Sample #: 6186327-41 SCR#: _____
gr# 1229635

Facility #: SS#211577-OML G-R#386765
Site Address: 631 Queen Anne North, SEATTLE, WA
Chevron PM: OS Lead Consultant: SAICPC Catterall
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
Service Order #: _____ ☐ Non SAR: _____

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ 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	Matrix: Oil ☐ Air ☐	Total Number of Containers	Preservation Codes: H	Analyses Requested: BTEX + ☒ Naphth ☐ 8260 ☐ 8021	8260 full scan	Oxygenates	TPH G	TPH D ☐ Extended Rng. ☐ Silica Gel Cleanup	Lead Total ☐ Diss. ☐ Method	VPH/EPH	NWTPH H HCID ☐ quantification	Nitrate/nitrite/sulfate (EPA 300.0)
MW-21	1-18-11	0840	X			X		6		X			X					
MW-31	↓	0845	X			X		6		X			X					
MW-34	↓	0940	X			X		5		X			X					
MW-21	1-19-11	1310	X			X		2										X
MW-31	↓	1335	X			X		2										X
MW-34	↓	1400	X			X		2										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

Data Package Options (please circle if required) **EDF/EDD**
QC Summary Type I - Full
Type VI (Raw Data) Disk / EDD
WIP (RWQCB) Standard Format
Disk _____ Other.

	Date	Time		Date	Time
Relinquished by:	1-19-11	1700	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by Commercial Carrier: UPS (FedEx) Other _____			Received by:	1/20/11	910
Temperature Upon Receipt 3-3.1 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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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

February 01, 2011

Project: 211577

Submittal Date: 01/20/2011
Group Number: 1229763
PO Number: 0015061199
Release Number: SKANCE
State of Sample Origin: WA

Client Sample Description	Lancaster Labs (LLI) #
QA Water Sample	6186916
VP-4 Grab Water Sample	6186917
VP-5 Grab Water Sample	6186918
VP-8 Grab Water Sample	6186919
MW-4 Grab Water Sample	6186920
MW-14 Grab Water Sample	6186921
MW-15 Grab Water Sample	6186922
MW-18 Grab Water Sample	6186923
MW-25 Grab Water Sample	6186924
DPE-8 Grab Water Sample	6186925
RW-2 Grab Water Sample	6186926

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

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

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 North - Seattle, WA

LLI Sample # WW 6186916
LLI Group # 1229763
Account # 11260

Project Name: 211577

Collected: 01/19/2011

Submitted: 01/20/2011 09:10
Reported: 02/01/2011 09:10

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

JQA19

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	D110251AA	01/25/2011 15:46	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110251AA	01/25/2011 15:46	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11021A20A	01/21/2011 16:50	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	11021A20A	01/21/2011 16:50	Martha L Seidel	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: VP-4 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 6186917
LLI Group # 1229763
Account # 11260

Project Name: 211577

Collected: 01/19/2011 11:15 by ML

Submitted: 01/20/2011 09:10
Reported: 02/01/2011 09:10

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

VP4--

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	0.7	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	3	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	350	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.	8,500	720	25
02211	HRO C24-C40 w/Si Gel	n.a.	2,300	1,700	25

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	D110251AA	01/25/2011 16:31	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110251AA	01/25/2011 16:31	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11021A20A	01/21/2011 19:45	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	11021A20A	01/21/2011 19:45	Martha L Seidel	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	110240015A	01/28/2011 17:08	Melissa McDermott	25
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	110240015A	01/24/2011 17:00	Kathryn I DeHaven	1

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Analysis Report

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

LLI Sample # WW 6186918
LLI Group # 1229763
Account # 11260

Project Name: 211577

Collected: 01/19/2011 09:35 by ML

Submitted: 01/20/2011 09:10
Reported: 02/01/2011 09:10

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

VP5--

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.	140	30	1
02211	HRO C24-C40 w/Si Gel	n.a.	360	71	1
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	2,350	52.2	1
07058	Manganese	7439-96-5	234	0.84	1
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	11,600	250	5
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.	36,900	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.	26	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

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	D110251AA	01/25/2011 17:39	Daniel H Heller	1

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Analysis Report

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

LLI Sample # WW 6186918
LLI Group # 1229763
Account # 11260

Project Name: 211577

Collected: 01/19/2011 09:35 by ML

Submitted: 01/20/2011 09:10
Reported: 02/01/2011 09:10

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

VP5--

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110251AA	01/25/2011 17:39	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11021A20A	01/21/2011 20:06	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	11021A20A	01/21/2011 20:06	Martha L Seidel	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	110240015A	01/28/2011 16:48	Melissa McDermott	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	110240015A	01/24/2011 17:00	Kathryn I DeHaven	1
01754	Iron	SW-846 6010B	1	110211848005	01/26/2011 02:58	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	110211848005	01/26/2011 02:58	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	110211848005	01/23/2011 12:30	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	11020196901A	01/20/2011 16:16	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11020196901A	01/20/2011 16:16	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11020196901A	01/20/2011 16:16	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11025020201A	01/25/2011 08:58	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11025020201A	01/25/2011 08:58	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11023834401A	01/23/2011 07:25	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	11025023001A	01/25/2011 13:45	Susan E Hibner	1

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Analysis Report

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

LLI Sample # WW 6186919
LLI Group # 1229763
Account # 11260

Project Name: 211577

Collected: 01/19/2011 08:50 by ML

Submitted: 01/20/2011 09:10
Reported: 02/01/2011 09:10

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

VP8--

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.	460	59	2
02211	HRO C24-C40 w/Si Gel	n.a.	660	140	2
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	71,700	52.2	1
07058	Manganese	7439-96-5	4,330	0.84	1
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	45,600	1,000	20
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.	15,700	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.	33	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

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	D110251AA	01/25/2011 18:02	Daniel H Heller	1

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Analysis Report

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

LLI Sample # WW 6186919
LLI Group # 1229763
Account # 11260

Project Name: 211577

Collected: 01/19/2011 08:50 by ML

Submitted: 01/20/2011 09:10
Reported: 02/01/2011 09:10

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

VP8--

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110251AA	01/25/2011 18:02	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11021A20A	01/21/2011 20:28	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	11021A20A	01/21/2011 20:28	Martha L Seidel	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	110240034A	01/31/2011 09:51	Glorines Suarez-Rivera	2
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	110240034A	01/25/2011 07:30	Kerrie A Freeburn	1
01754	Iron	SW-846 6010B	1	110211848005	01/26/2011 03:01	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	110211848005	01/26/2011 03:01	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	110211848005	01/23/2011 12:30	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	11020196901A	01/20/2011 19:09	Ashley M Adams	20
01506	Nitrite Nitrogen	EPA 300.0	1	11020196901A	01/20/2011 16:58	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11020196901A	01/20/2011 16:58	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11025020201A	01/25/2011 08:58	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11025020201A	01/25/2011 08:58	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11023834401A	01/23/2011 07:25	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	11025023001A	01/25/2011 13:45	Susan E Hibner	1

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Analysis Report

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

LLI Sample # WW 6186920
LLI Group # 1229763
Account # 11260

Project Name: 211577

Collected: 01/19/2011 09:40 by ML

Submitted: 01/20/2011 09:10
Reported: 02/01/2011 09:10

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

M4---

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	25	0.5	1
10943	Ethylbenzene	100-41-4	2	0.5	1
10943	Toluene	108-88-3	0.7	0.5	1
10943	Xylene (Total)	1330-20-7	2	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	1,600	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.	4,300	150	5
02211	HRO C24-C40 w/Si Gel	n.a.	1,800	350	5
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	4,210	52.2	1
07058	Manganese	7439-96-5	2,630	0.84	1
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	1,900	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	21,100	1,500	5
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	217,000	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.	890	40	4
	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

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	D110251AA	01/25/2011 18:24	Daniel H Heller	1

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Analysis Report

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

LLI Sample # WW 6186920
LLI Group # 1229763
Account # 11260

Project Name: 211577

Collected: 01/19/2011 09:40 by ML

Submitted: 01/20/2011 09:10
Reported: 02/01/2011 09:10

Chevron
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San Ramon CA 94583

M4---

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110251AA	01/25/2011 18:24	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11021A20A	01/21/2011 20:50	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	11021A20A	01/21/2011 20:50	Martha L Seidel	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	110240034A	01/28/2011 22:40	Glorines Suarez-Rivera	5
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	110240034A	01/25/2011 07:30	Kerrie A Freeburn	1
01754	Iron	SW-846 6010B	1	110211848005	01/26/2011 03:12	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	110211848005	01/26/2011 03:12	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	110211848005	01/23/2011 12:30	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	11020196901A	01/20/2011 17:15	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11020196901A	01/20/2011 17:15	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11020196901A	01/20/2011 17:15	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11025020201A	01/25/2011 08:58	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11025020201A	01/25/2011 08:58	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11023834401A	01/23/2011 07:25	Daniel S Smith	4
00230	Sulfide	SM20 4500 S2 D	1	11025023001A	01/25/2011 13:45	Susan E Hibner	1

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Analysis Report

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

LLI Sample # WW 6186921
LLI Group # 1229763
Account # 11260

Project Name: 211577

Collected: 01/19/2011 08:45 by ML

Submitted: 01/20/2011 09:10
Reported: 02/01/2011 09:10

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San Ramon CA 94583

M14--

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	3	0.5	1
10943	Toluene	108-88-3	2	0.5	1
10943	Xylene (Total)	1330-20-7	2	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	3,000	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.	3,300	60	2
02211	HRO C24-C40 w/Si Gel	n.a.	840	140	2
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	28,300	52.2	1
07058	Manganese	7439-96-5	6,880	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	38,800	1,500	5
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	308,000	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.	10,100	500	50
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	110	54	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	D110251AA	01/25/2011 18:47	Daniel H Heller	1

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Analysis Report

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

LLI Sample # WW 6186921
LLI Group # 1229763
Account # 11260

Project Name: 211577

Collected: 01/19/2011 08:45 by ML

Submitted: 01/20/2011 09:10
Reported: 02/01/2011 09:10

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San Ramon CA 94583

M14--

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110251AA	01/25/2011 18:47	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11021A20A	01/21/2011 21:12	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	11021A20A	01/21/2011 21:12	Martha L Seidel	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	110240034A	01/28/2011 21:59	Glorines Suarez-Rivera	2
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	110240034A	01/25/2011 07:30	Kerrie A Freeburn	1
01754	Iron	SW-846 6010B	1	110211848005	01/26/2011 03:15	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	110211848005	01/26/2011 03:15	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	110211848005	01/23/2011 12:30	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	11020196901A	01/20/2011 17:29	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11020196901A	01/20/2011 17:29	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11020196901A	01/20/2011 17:29	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11025020201A	01/25/2011 08:58	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11025020201A	01/25/2011 08:58	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11023834401A	01/23/2011 07:25	Daniel S Smith	50
00230	Sulfide	SM20 4500 S2 D	1	11025023001A	01/25/2011 13:45	Susan E Hibner	1

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Analysis Report

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

LLI Sample # WW 6186922
LLI Group # 1229763
Account # 11260

Project Name: 211577

Collected: 01/19/2011 11:40 by ML

Submitted: 01/20/2011 09:10
Reported: 02/01/2011 09:10

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

M15--

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.	100	59	2
02211	HRO C24-C40 w/Si Gel	n.a.	370	140	2
Reporting limits were raised due to interference from the sample matrix.					
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	4,600	52.2	1
07058	Manganese	7439-96-5	238	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	2,300	1,500	5
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	41,300	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.	20	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

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 North - Seattle, WA

LLI Sample # WW 6186922
LLI Group # 1229763
Account # 11260

Project Name: 211577

Collected: 01/19/2011 11:40 by ML

Submitted: 01/20/2011 09:10
Reported: 02/01/2011 09:10

Chevron
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L4310
San Ramon CA 94583

M15--

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	D110251AA	01/25/2011 19:10	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110251AA	01/25/2011 19:10	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11021A20A	01/21/2011 21:34	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	11021A20A	01/21/2011 21:34	Martha L Seidel	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	110240034A	01/31/2011 09:30	Glorines Suarez-Rivera	2
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	110240034A	01/25/2011 07:30	Kerrie A Freeburn	1
01754	Iron	SW-846 6010B	1	110211848005	01/26/2011 03:18	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	110211848005	01/26/2011 03:18	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	110211848005	01/23/2011 12:30	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	11020196901A	01/20/2011 17:43	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11020196901A	01/20/2011 17:43	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11020196901A	01/20/2011 17:43	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11026020201A	01/26/2011 08:04	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11026020201A	01/26/2011 08:04	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11023834401A	01/23/2011 07:25	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	11025023001A	01/25/2011 13:45	Susan E Hibner	1

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Analysis Report

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

LLI Sample # WW 6186923
LLI Group # 1229763
Account # 11260

Project Name: 211577

Collected: 01/19/2011 10:20 by ML

Submitted: 01/20/2011 09:10
Reported: 02/01/2011 09:10

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

M18--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene	71-43-2	0.6	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	270	28	1
02211	HRO C24-C40 w/Si Gel	n.a.	270	66	1
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	106,000	52.2	1
07058	Manganese	7439-96-5	710	0.84	1
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	7,200	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	22,000	1,500	5
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	107,000	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.	18	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

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	D110251AA	01/25/2011 19:32	Daniel H Heller	1

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Analysis Report

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

LLI Sample # WW 6186923
LLI Group # 1229763
Account # 11260

Project Name: 211577

Collected: 01/19/2011 10:20 by ML

Submitted: 01/20/2011 09:10
Reported: 02/01/2011 09:10

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L4310
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M18--

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110251AA	01/25/2011 19:32	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11021A20A	01/21/2011 21:56	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	11021A20A	01/21/2011 21:56	Martha L Seidel	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	110240034A	01/28/2011 20:15	Glorines Suarez-Rivera	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	110240034A	01/25/2011 07:30	Kerrie A Freeburn	1
01754	Iron	SW-846 6010B	1	110211848005	01/26/2011 03:22	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	110211848005	01/26/2011 03:22	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	110211848005	01/23/2011 12:30	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	11020196901A	01/20/2011 17:58	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11020196901A	01/20/2011 17:58	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11020196901A	01/20/2011 17:58	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11026020201A	01/26/2011 08:04	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11026020201A	01/26/2011 08:04	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11023834401A	01/23/2011 07:25	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	11025023001A	01/25/2011 13:45	Susan E Hibner	1

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Analysis Report

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

LLI Sample # WW 6186924
LLI Group # 1229763
Account # 11260

Project Name: 211577

Collected: 01/19/2011 10:40 by ML

Submitted: 01/20/2011 09:10
Reported: 02/01/2011 09:10

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L4310
San Ramon CA 94583

M25--

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.	670	30	1
02211	HRO C24-C40 w/Si Gel	n.a.	180	70	1
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	8,470	52.2	1
07058	Manganese	7439-96-5	1,880	0.84	1
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	3,600	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	23,800	1,500	5
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	168,000	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.	46	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

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	D110251AA	01/25/2011 19:54	Daniel H Heller	1

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Analysis Report

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

LLI Sample # WW 6186924
LLI Group # 1229763
Account # 11260

Project Name: 211577

Collected: 01/19/2011 10:40 by ML

Submitted: 01/20/2011 09:10
Reported: 02/01/2011 09:10

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

M25--

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110251AA	01/25/2011 19:54	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11021A20A	01/21/2011 22:17	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	11021A20A	01/21/2011 22:17	Martha L Seidel	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	110240034A	01/28/2011 20:36	Glorines Suarez-Rivera	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	110240034A	01/25/2011 07:30	Kerrie A Freeburn	1
01754	Iron	SW-846 6010B	1	110211848005	01/26/2011 03:25	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	110211848005	01/26/2011 03:25	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	110211848005	01/23/2011 12:30	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	11020196901A	01/20/2011 18:40	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11020196901A	01/20/2011 18:40	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11020196901A	01/20/2011 18:40	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11026020201A	01/26/2011 08:04	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11026020201A	01/26/2011 08:04	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11023834401A	01/23/2011 07:25	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	11025023001A	01/25/2011 13:45	Susan E Hibner	1

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Analysis Report

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

LLI Sample # WW 6186925
LLI Group # 1229763
Account # 11260

Project Name: 211577

Collected: 01/19/2011 12:45 by ML

Submitted: 01/20/2011 09:10
Reported: 02/01/2011 09:10

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

DPE8-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene	71-43-2	0.6	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	1,400	30	1
02211	HRO C24-C40 w/Si Gel	n.a.	1,100	70	1
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	1,340	52.2	1
07058	Manganese	7439-96-5	267	0.84	1
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	3,500	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	34,500	1,500	5
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	68,900	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.	54	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	D110251AA	01/25/2011 20:17	Daniel H Heller	1

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Analysis Report

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

LLI Sample # WW 6186925
LLI Group # 1229763
Account # 11260

Project Name: 211577

Collected: 01/19/2011 12:45 by ML

Submitted: 01/20/2011 09:10
Reported: 02/01/2011 09:10

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San Ramon CA 94583

DPE8-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110251AA	01/25/2011 20:17	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11021A20A	01/21/2011 22:39	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	11021A20A	01/21/2011 22:39	Martha L Seidel	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	110240034A	01/28/2011 21:17	Glorines Suarez-Rivera	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	110240034A	01/25/2011 07:30	Kerrie A Freeburn	1
01754	Iron	SW-846 6010B	1	110211848005	01/26/2011 03:28	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	110211848005	01/26/2011 03:28	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	110211848005	01/23/2011 12:30	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	11020196901A	01/20/2011 18:54	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11020196901A	01/20/2011 18:54	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11020196901A	01/20/2011 18:54	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11026020201A	01/26/2011 08:04	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11026020201A	01/26/2011 08:04	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11023834401A	01/23/2011 07:25	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	11025023001A	01/25/2011 13:45	Susan E Hibner	1

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Analysis Report

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

LLI Sample # WW 6186926
LLI Group # 1229763
Account # 11260

Project Name: 211577

Collected: 01/19/2011 12:40 by ML

Submitted: 01/20/2011 09:10
Reported: 02/01/2011 09:10

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

R2---

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	8	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	16	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	150	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.	270	30	1
02211	HRO C24-C40 w/Si Gel	n.a.	190	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	D110251AA	01/25/2011 20:39	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110251AA	01/25/2011 20:39	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11021A20A	01/21/2011 23:01	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	11021A20A	01/21/2011 23:01	Martha L Seidel	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	110240034A	01/28/2011 19:34	Glorines Suarez-Rivera	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	110240034A	01/25/2011 07:30	Kerrie A Freeburn	1

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: Chevron
Reported: 02/01/11 at 09:10 AM

Group Number: 1229763

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: D110251AA	Sample number(s): 6186916-6186926							
Benzene	N.D.	0.5	ug/l	93		79-120		
Ethylbenzene	N.D.	0.5	ug/l	91		79-120		
Toluene	N.D.	0.5	ug/l	95		79-120		
Xylene (Total)	N.D.	0.5	ug/l	91		80-120		
Batch number: 11021A20A	Sample number(s): 6186916-6186926							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	100	91	75-135	10	30
Batch number: 110240015A	Sample number(s): 6186917-6186918							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	93	103	56-103	10	20
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 110240034A	Sample number(s): 6186919-6186926							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	95	93	56-103	3	20
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 110211848005	Sample number(s): 6186918-6186925							
Iron	81.0	52.2	ug/l	102		90-112		
Manganese	N.D.	0.84	ug/l	100		90-110		
Batch number: 11020196901A	Sample number(s): 6186918-6186925							
Nitrate Nitrogen	N.D.	50.	ug/l	98		90-110		
Nitrite Nitrogen	N.D.	80.	ug/l	95		90-110		
Sulfate	N.D.	300.	ug/l	101		89-110		
Batch number: 11023834401A	Sample number(s): 6186918-6186925							
Ferrous Iron	N.D.	10.	ug/l	99		92-105		
Batch number: 11025020201A	Sample number(s): 6186918-6186921							
Alkalinity to pH 4.5	N.D.	460.	ug/l as CaCO3	100		98-103		
Batch number: 11025023001A	Sample number(s): 6186918-6186925							
Sulfide	N.D.	54.	ug/l	98		90-110		
Batch number: 11026020201A	Sample number(s): 6186922-6186925							
Alkalinity to pH 4.5	N.D.	460.	ug/l as CaCO3	100		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: 1229763

Reported: 02/01/11 at 09:10 AM

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: D110251AA	Sample number(s): 6186916-6186926 UNSPK: 6186917								
Benzene	102	102	80-126	0	30				
Ethylbenzene	98	98	71-134	0	30				
Toluene	102	102	80-125	0	30				
Xylene (Total)	97	95	79-125	2	30				
Batch number: 110211848005	Sample number(s): 6186918-6186925 UNSPK: P187927 BKG: P187927								
Iron	112	109	75-125	2	20	83.7	101	19 (1)	20
Manganese	98	100	75-125	1	20	94.7	91.4	4	20
Batch number: 11020196901A	Sample number(s): 6186918-6186925 UNSPK: 6186918 BKG: 6186918								
Nitrate Nitrogen	100		90-110			11,600	11,600	0	20
Nitrite Nitrogen	96		90-110			N.D.	N.D.	0 (1)	20
Sulfate	103		90-110			51,300	51,700	1	20
Batch number: 11023834401A	Sample number(s): 6186918-6186925 UNSPK: P186935 BKG: P186935								
Ferrous Iron	94	91	73-120	2	6	6,200	6,100	2 (1)	5
Batch number: 11025020201A	Sample number(s): 6186918-6186921 UNSPK: P185740 BKG: P185740								
Alkalinity to pH 4.5	101		73-121			118,000	119,000	1	5
Alkalinity to pH 8.3						N.D.	N.D.	0 (1)	5
Batch number: 11025023001A	Sample number(s): 6186918-6186925 UNSPK: P189475 BKG: P189475								
Sulfide	30*	31*	69-133	3	5	N.D.	N.D.	0 (1)	5
Batch number: 11026020201A	Sample number(s): 6186922-6186925 UNSPK: 6186923 BKG: 6186923								
Alkalinity to pH 4.5	100		73-121			107,000	110,000	3	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: D110251AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6186916	95	102	100	92
6186917	98	102	101	93
6186918	96	103	99	91
6186919	95	101	101	92
6186920	95	100	99	97
6186921	95	101	99	96
6186922	95	101	101	92
6186923	95	103	98	91
6186924	95	100	99	91
6186925	96	101	100	93
6186926	97	102	100	93
Blank	95	101	100	92
LCS	95	105	100	96

*- 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: 02/01/11 at 09:10 AM

Group Number: 1229763

Surrogate Quality Control

MS	95	104	99	95
MSD	96	103	101	97
Limits:	80-116	77-113	80-113	78-113

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 11021A20A

	Trifluorotoluene-F
6186916	89
6186917	92
6186918	90
6186919	90
6186920	98
6186921	98
6186922	89
6186923	90
6186924	90
6186925	88
6186926	91
Blank	88
LCS	108
LCSD	106
Limits:	63-135

Analysis Name: NWTPH-Dx water w/Si Gel
Batch number: 110240015A

	Orthoterphenyl
6186917	94
6186918	107
Blank	137
LCS	118
LCSD	135
Limits:	50-150

Analysis Name: NWTPH-Dx water w/Si Gel
Batch number: 110240034A

	Orthoterphenyl
6186919	96
6186920	120
6186921	123
6186922	101
6186923	111
6186924	121
6186925	103
6186926	111
Blank	112
LCS	123
LCSD	121
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.

Quality Control Summary

Client Name: Chevron
Group Number: 1229763
Reported: 02/01/11 at 09:10 AM

*- 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
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: 11260 Sample #: 6186916-26 SCR#: 1729763

Facility #: SS#211577-OML G-R#386765
Site Address: 631 Queen Anne North, SEATTLE, WA
Chevron PM: OS Lead Consultant: SAICPC Catterall
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
Service Order #: ☐ Non SAR:

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water	Matrix: Oil ☐ Air ☐	Total Number of Containers	Analyses Requested / Preservation Codes: BTEX + ☐ 8021 ☒ 8260 Naphth ☐	ALKALINITY (2320B)	Oxygenates	TPH G	TPH D ☐ Extended Rng. ☒ Silica Gel Cleanup	Lead Total ☐ Diss. ☐ Method	VPH/EPH	NWTPH H HCID ☐ quantification	FERROUS IRON (SM 3500 Fe B)	Nitrate/Nitrite/Sulfate (EPA 300)	Total IRON/MANGANESE (6010B)	Sulfide (SM20 4500 S2 D)
QA	1-18-11		X			X		2	X			X								
QA	1-19-11		X			X		2	X			X								
VP-4	1-19-11	1115	X			X		8	X			X	X							
VP-5		0935	X			X		14	X	X		X	X				X	X	X	X
VP-8		0850	X			X		14	X	X		X	X				X	X	X	X
MW-4		0940	X			X		14	X	X		X	X				X	X	X	X
MW-14		0845	X			X		14	X	X		X	X				X	X	X	X
MW-15		1140	X			X		14	X	X		X	X				X	X	X	X
MW-18		1020	X			X		14	X	X		X	X				X	X	X	X
MW-25		1040	X			X		14	X	X		X	X				X	X	X	X
DPE-8		1245	X			X		14	X	X		X	X				X	X	X	X
RW-2		1240	X			X		8	X			X	X							

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ 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.

QA from 1/18/11 entered into separate sampling group. jmp 1/21/11

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

Data Package Options (please circle if required) **EDF/EDD**
QC Summary Type I - Full
Type VI (Raw Data) Disk / EDD
WIP (RWQCB) Standard Format
Disk _____ Other.

	Date	Time		Date	Time
Relinquished by:	1-19-11	1700	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	1/20/11	910
Temperature Upon Receipt 13.3,1 C°			Custody Seals Intact? Yes No		

Explanation of Symbols and Abbreviations

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

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
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

February 02, 2011

Project: 211577

Submittal Date: 01/21/2011
Group Number: 1230006
PO Number: 0015061199
Release Number: SKANCE
State of Sample Origin: WA

Client Sample Description	Lancaster Labs (LLI) #
QA Water Sample	6188551
MW-6 Grab Water Sample	6188552
MW-9 Grab Water Sample	6188553
MW-10 Grab Water Sample	6188554
DPE-5 Grab Water Sample	6188555
DPE-6 Grab Water Sample	6188556
DUP-1 Grab Water Sample	6188557
FB-1 Grab Water Sample	6188558

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

Lancaster Laboratories

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Analysis Report

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

Respectfully Submitted,

Robin C. Runkle
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 6188551
LLI Group # 1230006
Account # 11260

Project Name: 211577

Collected: 01/20/2011

Submitted: 01/21/2011 10:00
Reported: 02/02/2011 15:02

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	D110272AA	01/27/2011 18:31	Nicholas R Rossi	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110272AA	01/27/2011 18:31	Nicholas R Rossi	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11026B20A	01/26/2011 20:38	Katrina T Longenecker	1
01146	GC VOA Water Prep	SW-846 5030B	1	11026B20A	01/26/2011 20:38	Katrina T Longenecker	1

Lancaster Laboratories

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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 6188552
LLI Group # 1230006
Account # 11260

Project Name: 211577

Collected: 01/20/2011 11:00 by ML

Submitted: 01/21/2011 10:00
Reported: 02/02/2011 15:02

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

M6QAS

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.	90	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	300	10
02211	HRO C24-C40 w/Si Gel	n.a.	4,600	700	10
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	43,500	52.2	1
07058	Manganese	7439-96-5	23,100	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	270,000	15,000	50
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	327,000	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.	43,400	1,000	100
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	110	54	1

General Sample Comments

State of Washington Lab Certification No. C259
The DRO bottles were received on 1/24/11 at 08:45.

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

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

LLI Sample # WW 6188552
LLI Group # 1230006
Account # 11260

Project Name: 211577

Collected: 01/20/2011 11:00 by ML

Submitted: 01/21/2011 10:00
Reported: 02/02/2011 15:02

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

M6QAS

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	D110272AA	01/27/2011 18:53	Nicholas R Rossi	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110272AA	01/27/2011 18:53	Nicholas R Rossi	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11026B20A	01/26/2011 23:11	Katrina T Longenecker	1
01146	GC VOA Water Prep	SW-846 5030B	1	11026B20A	01/26/2011 23:11	Katrina T Longenecker	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	110240034A	01/28/2011 21:38	Glorines Suarez-Rivera	10
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	110240034A	01/25/2011 07:30	Kerrie A Freeburn	1
01754	Iron	SW-846 6010B	1	110241848003	01/25/2011 03:15	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	110241848003	01/28/2011 18:19	John P Hook	5
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	110241848003	01/24/2011 12:50	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	11021196903A	01/21/2011 16:00	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11021196903A	01/21/2011 16:00	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11021196903A	01/26/2011 01:33	Ashley M Adams	50
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11028020201A	01/28/2011 07:53	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11028020201A	01/28/2011 07:53	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11022834401A	01/22/2011 07:05	Daniel S Smith	100
00230	Sulfide	SM20 4500 S2 D	1	11025023001A	01/25/2011 13:45	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 6188553
LLI Group # 1230006
Account # 11260

Project Name: 211577

Collected: 01/20/2011 09:20 by ML

Submitted: 01/21/2011 10:00
Reported: 02/02/2011 15:02

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

M9QAS

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.	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.	6,400	150	5
02211	HRO C24-C40 w/Si Gel	n.a.	1,400	340	5
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	68,500	52.2	1
07058	Manganese	7439-96-5	69,300	8.4	10
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	88,800	3,000	10
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	360,000	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.	27,500	1,000	100
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	410	54	1

General Sample Comments

State of Washington Lab Certification No. C259
The DRO bottles were received on 1/24/11 at 08:45.

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 6188553
LLI Group # 1230006
Account # 11260

Project Name: 211577

Collected: 01/20/2011 09:20 by ML

Submitted: 01/21/2011 10:00
Reported: 02/02/2011 15:02

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

M9QAS

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	D110272AA	01/27/2011 19:16	Nicholas R Rossi	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110272AA	01/27/2011 19:16	Nicholas R Rossi	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11026B20A	01/26/2011 23:32	Katrina T Longenecker	1
01146	GC VOA Water Prep	SW-846 5030B	1	11026B20A	01/26/2011 23:32	Katrina T Longenecker	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	110240034A	01/28/2011 22:20	Glorines Suarez-Rivera	5
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	110240034A	01/25/2011 07:30	Kerrie A Freeburn	1
01754	Iron	SW-846 6010B	1	110241848003	01/25/2011 03:19	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	110241848003	01/28/2011 18:23	John P Hook	10
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	110241848003	01/24/2011 12:50	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	11021196903A	01/21/2011 16:42	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11021196903A	01/21/2011 16:42	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11021196903A	01/26/2011 02:09	Ashley M Adams	10
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11028020201A	01/28/2011 07:53	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11028020201A	01/28/2011 07:53	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11022834401A	01/22/2011 07:05	Daniel S Smith	100
00230	Sulfide	SM20 4500 S2 D	1	11025023001A	01/25/2011 13:45	Susan E Hibner	1

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Analysis Report

LLI Sample # WW 6188554
LLI Group # 1230006
Account # 11260

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

Project Name: 211577

Collected: 01/20/2011 08:30 by ML

Submitted: 01/21/2011 10:00
Reported: 02/02/2011 15:02

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

10QAS

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.	59	2
02211	HRO C24-C40 w/Si Gel	n.a.	250	140	2
	Reporting limits were raised due to interference from the sample matrix.				
	Metals	**SW-846 6010B**	**ug/l**	**ug/l**	
01754	Iron	7439-89-6	5,210	52.2	1
07058	Manganese	7439-96-5	4,460	0.84	1
	Wet Chemistry	**EPA 300.0**	**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	9,200	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.	229,000	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.	54	1

General Sample Comments

State of Washington Lab Certification No. C259
The DRO bottles were received on 1/24/11 at 08:45.

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-10 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6188554
LLI Group # 1230006
Account # 11260

Project Name: 211577

Collected: 01/20/2011 08:30 by ML

Submitted: 01/21/2011 10:00
Reported: 02/02/2011 15:02

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

10QAS

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	D110272AA	01/27/2011 19:39	Nicholas R Rossi	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110272AA	01/27/2011 19:39	Nicholas R Rossi	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11026B20A	01/26/2011 23:54	Katrina T Longenecker	1
01146	GC VOA Water Prep	SW-846 5030B	1	11026B20A	01/26/2011 23:54	Katrina T Longenecker	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	110270009A	02/02/2011 00:11	Melissa McDermott	2
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	110270009A	01/27/2011 15:35	Kathryn I DeHaven	1
01754	Iron	SW-846 6010B	1	110241848003	01/25/2011 03:22	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	110241848003	01/25/2011 03:22	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	110241848003	01/24/2011 12:50	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	11021196903A	01/21/2011 16:56	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	11021196903A	01/21/2011 16:56	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	11021196903A	01/21/2011 16:56	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	11028020201A	01/28/2011 07:53	Susan A Engle	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	11028020201A	01/28/2011 07:53	Susan A Engle	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	11022834401A	01/22/2011 07:05	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	11025023001A	01/25/2011 13:45	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 6188555
LLI Group # 1230006
Account # 11260

Project Name: 211577

Collected: 01/20/2011 12:00 by ML

Submitted: 01/21/2011 10:00
Reported: 02/02/2011 15:02

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

D5QAS

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	2	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	1	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	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.	540	31	1
02211	HRO C24-C40 w/Si Gel	n.a.	230	71	1

General Sample Comments

State of Washington Lab Certification No. C259
The DRO bottles were received on 1/24/11 at 08:45.

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	D110272AA	01/27/2011 20:01	Nicholas R Rossi	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110272AA	01/27/2011 20:01	Nicholas R Rossi	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11026B20A	01/27/2011 00:16	Katrina T Longenecker	1
01146	GC VOA Water Prep	SW-846 5030B	1	11026B20A	01/27/2011 00:16	Katrina T Longenecker	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	110270009A	01/31/2011 11:34	Marie D John	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	110270009A	01/27/2011 15:35	Kathryn I DeHaven	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 6188556
LLI Group # 1230006
Account # 11260

Project Name: 211577

Collected: 01/20/2011 10:10 by ML

Submitted: 01/21/2011 10:00
Reported: 02/02/2011 15:02

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

D6QAS

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	42	0.5	1
10943	Ethylbenzene	100-41-4	4	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.	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.	16,000	780	25
02211	HRO C24-C40 w/Si Gel	n.a.	27,000	1,800	25

General Sample Comments

State of Washington Lab Certification No. C259
The DRO bottles were received on 1/24/11 at 08:45.

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	D110272AA	01/27/2011 20:24	Nicholas R Rossi	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110272AA	01/27/2011 20:24	Nicholas R Rossi	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11026B20A	01/27/2011 00:38	Katrina T Longenecker	1
01146	GC VOA Water Prep	SW-846 5030B	1	11026B20A	01/27/2011 00:38	Katrina T Longenecker	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	110270009A	02/02/2011 01:34	Melissa McDermott	25
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	110270009A	01/27/2011 15:35	Kathryn I DeHaven	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 6188557
LLI Group # 1230006
Account # 11260

Project Name: 211577

Collected: 01/20/2011 by ML

Submitted: 01/21/2011 10:00
Reported: 02/02/2011 15:02

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

FDQAS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene	71-43-2	3	0.5	1
10943	Ethylbenzene	100-41-4	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.	130	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	D110271AA	01/27/2011 22:51	Nicholas R Rossi	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110271AA	01/27/2011 22:51	Nicholas R Rossi	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11026B20A	01/27/2011 01:00	Katrina T Longenecker	1
01146	GC VOA Water Prep	SW-846 5030B	1	11026B20A	01/27/2011 01:00	Katrina T Longenecker	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 6188558
LLI Group # 1230006
Account # 11260

Project Name: 211577

Collected: 01/20/2011 by ML

Submitted: 01/21/2011 10:00
Reported: 02/02/2011 15:02

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

FBQAS

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	D110272AA	01/27/2011 20:46	Nicholas R Rossi	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D110272AA	01/27/2011 20:46	Nicholas R Rossi	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	11026B20A	01/26/2011 21:00	Katrina T Longenecker	1
01146	GC VOA Water Prep	SW-846 5030B	1	11026B20A	01/26/2011 21:00	Katrina T Longenecker	1

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Analysis Report

Quality Control Summary

Client Name: Chevron
Group Number: 1230006
Reported: 02/02/11 at 03:02 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: D110271AA	Sample number(s): 6188557							
Benzene	N.D.	0.5	ug/l	98		79-120		
Ethylbenzene	N.D.	0.5	ug/l	90		79-120		
Toluene	N.D.	0.5	ug/l	94		79-120		
Xylene (Total)	N.D.	0.5	ug/l	89		80-120		
Batch number: D110272AA	Sample number(s): 6188551-6188556,6188558							
Benzene	N.D.	0.5	ug/l	107		79-120		
Ethylbenzene	N.D.	0.5	ug/l	98		79-120		
Toluene	N.D.	0.5	ug/l	103		79-120		
Xylene (Total)	N.D.	0.5	ug/l	98		80-120		
Batch number: 11026B20A	Sample number(s): 6188551-6188558							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	91	91	75-135	0	30
Batch number: 110240034A	Sample number(s): 6188552-6188553							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	95	93	56-103	3	20
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 110270009A	Sample number(s): 6188554-6188556							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	83	89	56-103	7	20
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 110241848003	Sample number(s): 6188552-6188554							
Iron	N.D.	52.2	ug/l	103		90-112		
Manganese	N.D.	0.84	ug/l	105		90-110		
Batch number: 11021196903A	Sample number(s): 6188552-6188554							
Nitrate Nitrogen	N.D.	50.	ug/l	102		90-110		
Nitrite Nitrogen	N.D.	80.	ug/l	99		90-110		
Sulfate	N.D.	300.	ug/l	102		89-110		
Batch number: 11022834401A	Sample number(s): 6188552-6188554							
Ferrous Iron	N.D.	10.	ug/l	100		92-105		
Batch number: 11025023001A	Sample number(s): 6188552-6188554							
Sulfide	N.D.	54.	ug/l	98		90-110		
Batch number: 11028020201A	Sample number(s): 6188552-6188554							
Alkalinity to pH 4.5	N.D.	460.	ug/l as CaCO3	100		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: 1230006
Reported: 02/02/11 at 03:02 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: D110271AA	Sample number(s): 6188557 UNSPK: P188733								
Benzene	107	117	80-126	9	30				
Ethylbenzene	100	108	71-134	8	30				
Toluene	103	114	80-125	10	30				
Xylene (Total)	97	108	79-125	11	30				
Batch number: D110272AA	Sample number(s): 6188551-6188556,6188558 UNSPK: P187144								
Benzene	105	107	80-126	2	30				
Ethylbenzene	97	97	71-134	0	30				
Toluene	100	103	80-125	3	30				
Xylene (Total)	95	96	79-125	1	30				
Batch number: 110241848003	Sample number(s): 6188552-6188554 UNSPK: P189335 BKG: P189335								
Iron	99	96	75-125	3	20	81.2	110	30* (1)	20
Manganese	103	102	75-125	1	20	N.D.	N.D.	0 (1)	20
Batch number: 11021196903A	Sample number(s): 6188552-6188554 UNSPK: 6188552 BKG: 6188552								
Nitrate Nitrogen	105		90-110			N.D.	N.D.	0 (1)	20
Nitrite Nitrogen	104		90-110			N.D.	N.D.	0 (1)	20
Sulfate	115*		90-110			270,000	269,000	0	20
Batch number: 11022834401A	Sample number(s): 6188552-6188554 UNSPK: P186986 BKG: P186986								
Ferrous Iron	91	86	73-120	3	6	22,300	20,600	8* (1)	5
Batch number: 11025023001A	Sample number(s): 6188552-6188554 UNSPK: P189475 BKG: P189475								
Sulfide	30*	31*	69-133	3	5	N.D.	N.D.	0 (1)	5
Batch number: 11028020201A	Sample number(s): 6188552-6188554 UNSPK: P189501 BKG: 6188554								
Alkalinity to pH 4.5	97	97	73-121	1	5	229,000	233,000	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: D110271AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6188557	97	98	97	95
Blank	97	101	98	92
LCS	95	101	98	96
MS	95	103	98	98
MSD	95	101	98	96
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water
Batch number: D110272AA

	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.

Quality Control Summary

Client Name: Chevron
Reported: 02/02/11 at 03:02 PM

Group Number: 1230006

Surrogate Quality Control

6188551	98	100	99	93
6188552	96	99	99	95
6188553	96	97	98	96
6188554	96	99	99	93
6188555	97	99	97	93
6188556	96	100	98	96
6188558	97	101	99	92
Blank	97	102	97	92
LCS	97	101	98	96
MS	96	102	98	96
MSD	97	104	98	96
Limits:	80-116	77-113	80-113	78-113

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 11026B20A

	Trifluorotoluene-F
6188551	78
6188552	90
6188553	80
6188554	77
6188555	75
6188556	103
6188557	89
6188558	74
Blank	78
LCS	97
LCSD	99
Limits:	63-135

Analysis Name: NWTPH-Dx water w/Si Gel
Batch number: 110240034A

	Orthoterphenyl
6188552	105
6188553	79
Blank	112
LCS	123
LCSD	121
Limits:	50-150

Analysis Name: NWTPH-Dx water w/Si Gel
Batch number: 110270009A

	Orthoterphenyl
6188554	91
6188555	107
6188556	139
Blank	107
LCS	115
LCSD	123
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.

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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