July 16, 2012

Mr. Mark Horne
Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, California, 94583-5186

Subject: **Fourth Quarter 2011 Groundwater Monitoring and Sampling Report**
Chevron Service Station No. 9-0129
4700 Brooklyn Avenue
Seattle, Washington

Dear Mr. Horne:

SAIC Energy, Environment & Infrastructure, LLC (SAIC), on behalf of Chevron Environmental Management Company (CEMC), prepared this letter summarizing the fourth quarter 2011 groundwater monitoring and sampling event at Chevron Service Station No. 9-0129 (the site) in Seattle, Washington (Figure 1).

FIELD ACTIVITIES

Gettler-Ryan Inc. (Gettler-Ryan) conducted the groundwater monitoring and sampling field event on January 14, 2012. Gettler-Ryan collected depth-to-groundwater measurements and checked for the presence of separate-phase hydrocarbons (SPH) in 15 of the 16 groundwater monitoring wells on site (Figure 2). Monitoring well MW-1 was inaccessible.

Groundwater samples were collected from 10 monitoring wells. Samples were not collected from monitoring wells MW-6 (insufficient groundwater), MW-8 (dry), MW-10 (SPH), MW-11 (SPH), and MW-12 (SPH). Groundwater samples were 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), and methyl tertiary butyl ether (MTBE) by United States Environmental Protection Agency Method 8021B.

A laboratory-supplied trip blank (QA) was submitted to the laboratory and analyzed for TPH-GRO, BTEX, and MTBE to provide quality assurance. Field data sheets are provided in the Gettler-Ryan groundwater monitoring and sampling data package (Attachment A).

FINDINGS

During this event, groundwater elevations ranged from 82.47 feet in monitoring well MW-9 to 79.83 feet in monitoring well MW-6, based on an arbitrary benchmark elevation of 100.00 feet (Figure 2). Groundwater elevations decreased an average of 0.45 foot since the previous quarterly monitoring event in September 2011. Groundwater flows toward the east at a gradient ranging from approximately 0.01 to 0.03 feet per foot.

SPH were detected in monitoring wells MW-10, MW-11, and MW-12 at thicknesses of 0.30, 0.25, and 0.22 feet, respectively. SPH have not been present onsite since August 2005.

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

- TPH-GRO in monitoring wells MW-2, MW-3, MW-4, MW-9, MW-13, and MW-16;
- TPH-DRO in monitoring wells MW-4 and MW-13;
- TPH-HRO in monitoring well MW-4;
- Benzene in monitoring wells MW-3, MW-4, MW-9, MW-13, and MW-16;
- MTBE in monitoring wells MW-3, MW-9, MW-13, and MW-16.

Historical groundwater elevation data, SPH thickness data, and laboratory analytical results are summarized in Table 1. 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.

Petroleum hydrocarbon concentrations increased across the entire site when compared with the previous quarterly sampling event in September 2011. In addition, SPH were detected in three monitoring wells during this monitoring event. Petroleum-hydrocarbon constituent concentrations continue to fluctuate with seasonal changes in groundwater elevation. Lower concentrations are typically observed during high groundwater periods (winter and spring).

Gettler-Ryan will continue to perform groundwater monitoring and sampling on a quarterly basis.

If you have any questions or comments, please contact me at (425) 482-3328 or via email at ruth.a.otteman@saic.com.

Sincerely,

SAIC Energy, Environment & Infrastructure, LLC

Ruth A. Otteman
Project Manager

Gabriel Cisneros, LG #2357
Geologist

Enclosures:

Figure 1 – Vicinity Map

Figure 2 – Potentiometric Map

Table 1 – Groundwater Monitoring Data and Analytical Results

Attachment A – Groundwater Monitoring and Sampling Data Package

Attachment B – Laboratory Analysis Report

cc: Project File

REPORT LIMITATIONS

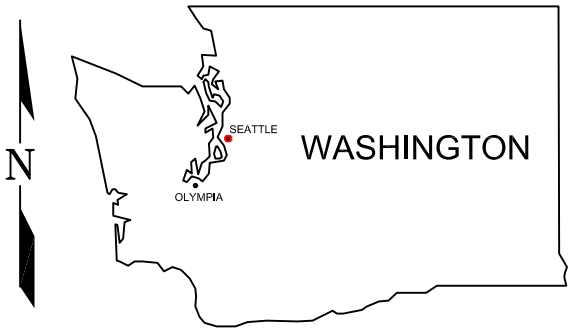
This technical document was prepared on behalf of Chevron and is intended for its sole use and for use by the local, state or federal regulatory agency that the technical document was sent to by SAIC. Any other person or entity obtaining, using, or relying on this technical document hereby acknowledges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

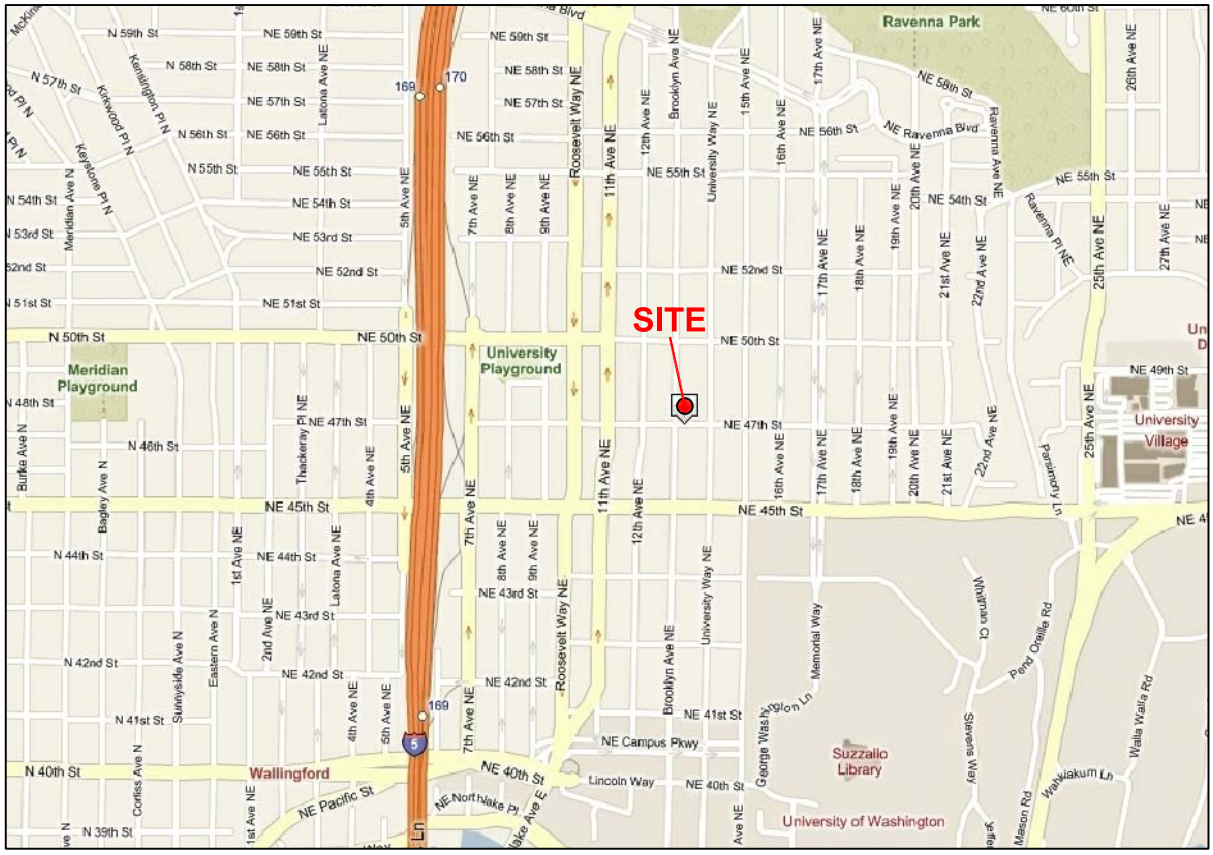
Site history and background information provided in this technical document are based on sources that may include interviews with environmental regulatory agencies and property management personnel and a review of acquired environmental regulatory agency documents and property information obtained from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

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

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

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





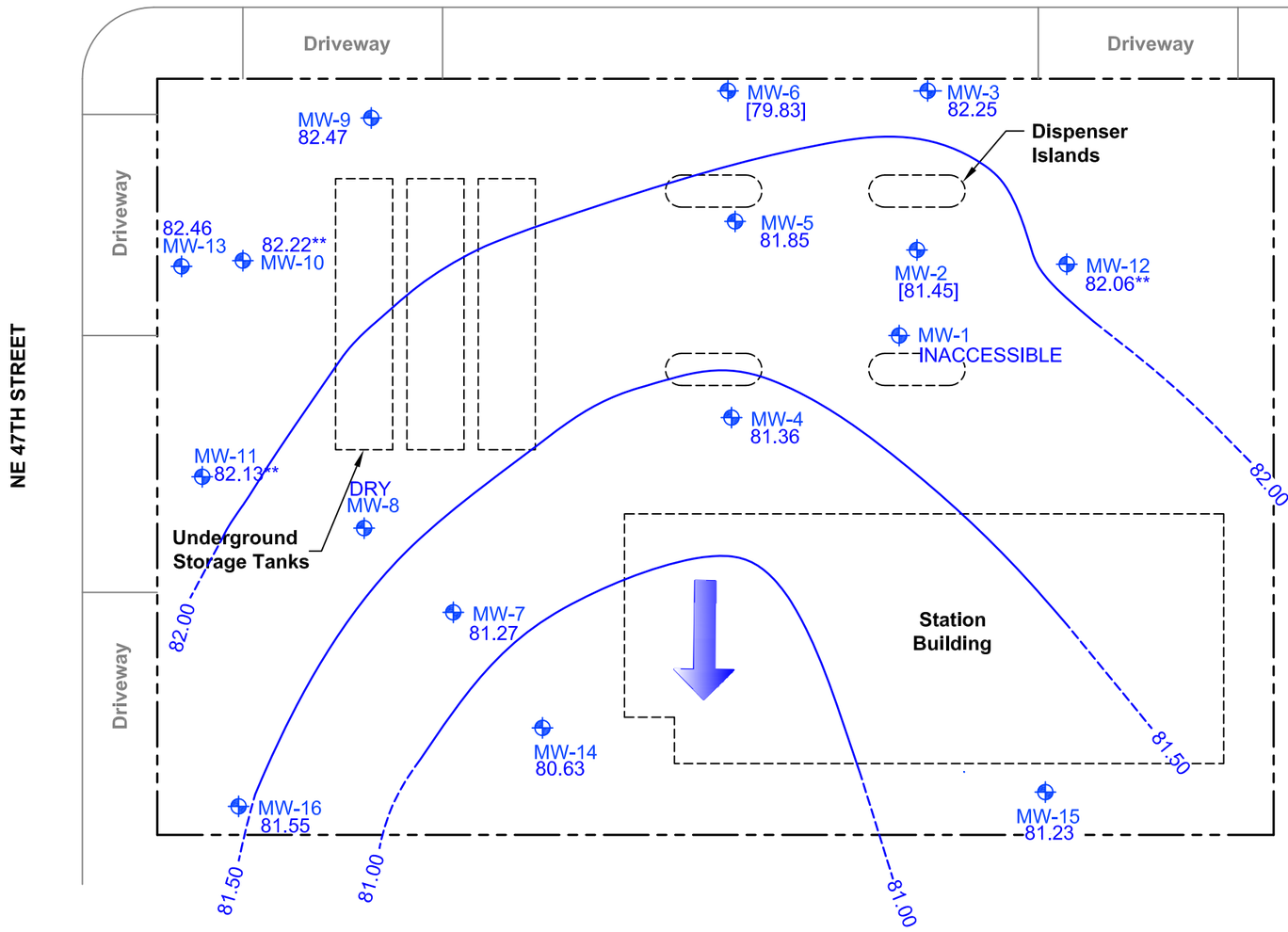
Maps Provided by Seattle.gov

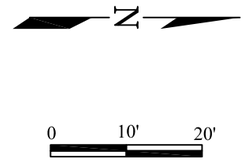
SAIC

Chevron Service Station No. 9-0129
4700 Brooklyn Avenue
Seattle, Washington

FIGURE 1
Vicinity Map

DATE: 09/07/2011 | DRAWING: 90129_VM.dwg





LEGEND

MW-6	Groundwater Monitoring Well
82.41	Groundwater Elevation in Feet
83.50	Groundwater Table Contour at a 0.5 Foot Interval (Dashed Where Inferred)
[82.41]	Groundwater Elevation Not Used in Contour Map (in Feet)
82.41**	Groundwater Elevation Corrected for the Presence of Separate Phase Hydrocarbons (SPH)
	Approximate Groundwater Flow Direction at a Gradient of 0.01 to 0.03

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Chevron Service Station No. 9-0129
4700 Brooklyn Avenue
Seattle, Washington

FIGURE 2
Potentiometric Map
January 14, 2012

DATE: 5/21/2012 | DRAWING: 90129_SiteMap 2010.dwg

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
CHEVRON SERVICE STATION NO. 9-0129
4700 Brooklyn Avenue
Seattle, Washington
Concentrations reported in µg/L unless otherwise noted

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	THP-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)
MW-1															
12/17-18/09		--	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--
3/17/10		--	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--
6/22-23/10		--	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--
9/13/10		--	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--
12/20/10		--	OBSTRUCTION IN WELL			--	--	--	--	--	--	--	--	--	--
6/16/11		--	OBSTRUCTION IN WELL			--	--	--	--	--	--	--	--	--	--
9/22/11		--	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--
1/14/12		--	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--
MW-2															
1/22/90		100.05	--	--	--	--	--	--	25	**1,100**	**1,090**	161	**1,120**	--	--
4/12/91		100.05	--	--	--	--	--	--	**3,100**	**100**	540	140	260	--	--
6/28/91		100.05	--	--	--	--	--	--	**7,000**	**300**	**1,100**	500	**1,300**	--	--
9/18/91		100.05	--	--	--	--	--	--	**4,800**	**150**	49	280	660	--	--
12/3/91		100.05	--	--	--	--	--	--	**9,000**	**290**	**1,300**	540	**1,500**	--	--
2/25/92		100.05	--	--	--	--	--	--	**1,600**	**42**	170	120	310	--	--
5/15/92		100.05	--	--	--	--	--	--	410	**19**	40	40	70	--	--
7/31/92		100.05	--	16.45	--	83.60	--	--	--	--	--	--	--	--	--
8/18/92		100.05	--	16.55	--	83.50	--	--	**10,000**	**160**	890	**750**	**1,600**	--	--
9/25/92		100.05	--	16.90	--	83.15	--	--	--	--	--	--	--	--	--
2/23/93		100.05	--	16.68	--	83.37	--	--	750	**14**	22	62	100	--	--
5/12/93		100.05	--	16.25	--	83.80	--	--	ND	ND	ND	ND	ND	--	--
8/18/93		100.05	--	15.86	--	84.19	--	--	ND	ND	1.1	6.7	3.5	--	--
11/10/93		100.05	--	16.15	--	83.90	--	--	ND	ND	ND	2.5	ND	--	--
2/3/94		100.05	--	15.79	--	84.26	--	--	ND	ND	ND	4.5	0.5	--	--
4/26/94		100.05	--	15.42	--	84.63	--	--	ND	0.6	ND	9.9	3.4	--	--
7/20/94		100.05	--	16.75	--	83.30	--	--	ND	ND	ND	0.6	ND	--	--
10/18/94		100.05	--	18.16	--	81.89	--	--	180	4.3	4.0	24	13	--	--
2/1/95		100.05	--	18.45	--	81.60	--	--	360	**7.1**	6.7	35	39	--	--
7/12/95		100.05	--	18.22	--	81.83	--	--	ND	ND	ND	ND	ND	--	--
1/4/96		100.05	--	17.81	--	82.24	--	--	ND	0.63	ND	ND	ND	--	--
1/7/97		100.05	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
CHEVRON SERVICE STATION NO. 9-0129
4700 Brooklyn Avenue
Seattle, Washington
Concentrations reported in µg/L unless otherwise noted

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	THP-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)
MW-2 (cont)															
2/12/98		100.05	--	--	--	--	--	--	--	--	--	--	--	--	--
10/15/04	NP	100.05	--	17.06	--	82.99	--	--	170	**9.4**	1.4	11	6.8	**30/24[6]**	--
NOT MONITORED/SAMPLED			--	--	--	--	--	--	--	--	--	--	--	--	--
12/17-18/09		100.05	--	16.24	--	83.81	32	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
3/17/10		100.05	--	15.90	--	84.15	<31	<71	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
06/22-23/10		100.05	--	15.24	--	84.81	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
9/13/10		100.05	--	17.34	--	82.71	<29	72	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
12/20/10		100.05	--	17.58	--	82.47	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
6/16/11		100.05	--	17.48	--	82.57	51	<70	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
9/22/11		100.05	--	18.25	--	81.80	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
1/14/12		100.05	--	18.60	--	81.45	<29	<68	**1,300**	1.7	20	9.5	110	<2.5	--
MW-3															
1/22/90		101.25	--	--	--	--	--	--	**85,000**	**1,380**	**14,100**	**2,060**	**12,800**	--	--
4/12/91		101.25	--	--	--	--	--	--	**2,500**	3.6	39	18	69	--	--
6/28/91		101.25	--	--	--	--	--	--	**6,600**	**63**	680	210	870	--	--
9/18/91		101.25	--	--	--	--	--	--	**4,900**	ND	82	86	300	--	--
12/3/91		101.25	--	--	--	--	--	--	**17,000**	**170**	**2,200**	710	**2,800**	--	--
2/25/92		101.25	--	--	--	--	--	--	**7,900**	**25**	150	210	920	--	--
5/15/92		101.25	--	--	--	--	--	--	**9,800**	**90**	**1,100**	260	**1,300**	--	--
7/31/92		101.25	--	15.81	--	85.44	--	--	--	--	--	--	--	--	--
8/18/92		101.25	--	15.94	--	85.31	--	--	**24,000**	**290**	**4,200**	**7,200**	**3,800**	--	--
9/25/92		101.25	--	16.55	--	84.70	--	--	--	--	--	--	--	--	--
2/24/93		101.25	--	16.12	--	85.13	--	--	**8,400**	**48**	440	210	**1,300**	--	--
5/12/93		101.25	--	15.60	--	85.65	--	--	**4,700**	**130**	840	120	600	--	--
8/18/93		101.25	--	15.60	--	85.65	--	--	**7,300**	**130**	**1,000**	240	**1,100**	--	--
11/10/93		101.25	--	16.11	--	85.14	--	--	**14,000**	**260**	**1,900**	470	**2,400**	--	--
2/3/94		101.25	--	15.66	--	85.59	--	--	**8,000**	**78**	720	220	800	--	--
4/26/94		101.25	--	14.91	--	86.34	--	--	**2,900**	**9.6**	7.9	34	160	--	--
7/20/94		101.25	--	16.92	--	84.33	--	--	**17,000**	**360**	**3,500**	550	**2,400**	--	--
10/18/94		101.25	--	18.68	--	82.57	--	--	**46,000**	**230**	**6,700**	**1,200**	**6,100**	--	--
2/1/95		101.25	--	18.53	--	82.72	--	--	**56,000**	**160**	**6,500**	**1,300**	**7,700**	--	--

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MW-3 (cont)															
7/12/95		101.25	--	18.30	--	82.95	--	--	**83,000**	**230**	**12,000**	**2,200**	**14,000**	--	--
1/4/96		101.25	--	17.97	--	83.28	--	--	**38,000**	**110**	**1,600**	**1,600**	**7,200**	--	--
1/7/97		101.25	--	17.10	--	84.15	--	--	**25,000**	**80.8**	476	**1,150**	**3,660**	--	--
2/12/98		101.25	--	16.83	--	84.42	--	--	**18,200**	**94.3**	134	**966**	**2,810**	--	--
5/31/99	NP	101.25	--	17.00	--	84.25	--	--	**29,300**	**187**	644	**826**	**5,060**	--	--
6/8/00		101.25	--	17.82	--	83.43	--	--	**43,300**	**380**	838	**1,620**	**9,840**	ND	--
1/30/01		101.25	--	18.49	--	82.76	--	--	**31,300**	**380**	306	**1,380**	**3,240**	--	--
4/11/01		101.25	--	17.91	--	83.34	--	--	**12,100**	**59.6**	37.8	524	900	--	--
7/28/01		101.25	--	17.66	--	83.59	--	--	**40,900**	**561**	**1,960**	**1,720**	**10,400**	--	--
10/15/01		101.25	--	17.82	--	83.43	--	--	**43,200**	**623**	**1,650**	**1,680**	**10,400**	--	--
1/5/02		101.25	--	16.42	--	84.83	--	--	**5,060**	**39.6**	14.1	261	362	--	--
4/2/02	NP	101.25	--	16.54	--	84.71	--	--	**35,000**	**280**	820	**910**	**6,200**	<20	--
7/11/02	NP	101.25	--	16.68	--	84.57	--	--	**48,000**	**560**	**1,100**	**1,100**	**6,900**	<20	--
10/10/02	NP	101.25	--	17.22	--	84.03	--	--	**50,000**	**630**	**1,100**	**1,300**	**8,400**	<100	--
1/10/03		101.25	INACCESSIBLE - CAR PARKED OVER WELL					--	--	--	--	--	--	--	--
4/21/03	NP	101.25	--	15.79	--	85.46	--	--	**17,000**	**280**	340	480	**2,600**	<20	--
6/26/03	NP	101.25	--	16.15	--	85.10	--	--	**34,000**	**470**	750	**940**	**6,200**	<50	--
10/14/03	NP	101.25	--	17.03	--	84.22	--	--	**56,000**	**810**	**1,100**	**1,400**	**8,700**	<50	--
1/7/04	NP	101.25	--	16.41	--	84.84	--	--	**13,000**	**160**	150	400	**1,300**	<10	--
4/21/04	NP	101.25	--	16.36	--	84.89	--	--	**1,500**	**72**	14	3.1	120	<10/<2[6]	--
7/1/04	NP	101.25	14.45	16.90	--	84.35	--	--	**26,000**	**540**	410	**750**	**3,700**	<50	--
10/15/04	NP	101.25	--	17.79	--	83.46	--	--	**26,000**	**520**	370	**920**	**3,600**	<100	--
1/5/05	NP	101.25	--	17.76	--	83.49	--	--	**9,000**	**180**	47	590	95	<10	--
8/4/05		101.25	--	17.71	--	83.54	--	--	--	--	--	--	--	--	--
7/26/06		101.25	--	16.87	--	84.38	--	--	--	--	--	--	--	--	--
7/19/07		101.25	--	17.75	--	83.50	--	--	--	--	--	--	--	--	--
7/23/08		101.25	--	17.69	--	83.56	--	--	--	--	--	--	--	--	--
7/13/09		101.25	--	16.40	--	84.85	--	--	--	--	--	--	--	--	--
12/17-18/09		101.25	--	16.82	--	84.43	170	<70	**880**	**25**	13	76	22	<2.5	--
3/17/10		101.25	--	16.38	--	84.87	33	<71	75	4.2	1.3	1.9	<1.5	6.2	--

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Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	THP-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)
MW-3 (cont)															
06/22-23/10		101.25	--	15.91	--	85.34	73	<69	690	**15**	18	30	67	<20	--
9/13/10		101.25	--	17.79	--	83.46	40	73	**2,100**	**26**	21	110	150	<20	--
12/20/10		101.25	--	17.81	--	83.44	200	86	**2,300**	**34**	15	220	25	**85**	--
6/16/11		101.25	--	17.68	--	83.57	**540**	77	**2,200**	**55**	22	170	110	<50	--
9/23/11		101.25	--	18.70	--	82.55	170	<68	**8,100**	**210**	130	690	590	**79**	--
1/14/12		101.25	--	19.00	--	82.25	100	<69	**5,200**	**180**	81	630	130	**120**	--
MW-4															
4/12/91		100.01	--	--	--	--	--	--	ND	**8,300**	**15,000**	**1,900**	**16,000**	--	--
6/28/91		100.01	--	--	--	--	--	--	**85,000**	**9,900**	**18,000**	**2,400**	**16,000**	--	--
6/28/91 (D)		100.01	--	--	--	--	--	--	**120,000**	**13,000**	**22,000**	**3,100**	**24,000**	--	--
9/18/91		100.01	--	--	--	--	--	--	**130,000**	**14,000**	**22,000**	**2,900**	**22,000**	--	--
9/18/91		100.01	--	--	--	--	--	--	**360,000**	**14,000**	**26,000**	**5,400**	**40,000**	--	--
12/3/91		100.01	--	--	--	--	--	--	**86,000**	**8,900**	**12,000**	**2,000**	**18,000**	--	--
2/25/92		100.01	--	--	--	--	--	--	**120,000**	**7,500**	**11,000**	**1,800**	**16,000**	--	--
2/25/92		100.01	--	--	--	--	--	--	**86,000**	**8,100**	**11,000**	**1,600**	**15,000**	--	--
5/15/92		100.01	--	--	--	--	--	--	**90,000**	**11,000**	**17,000**	**1,800**	**18,000**	--	--
5/15/92		100.01	--	--	--	--	--	--	**81,000**	**10,000**	**16,000**	**1,500**	**16,000**	--	--
7/31/92		100.01	--	16.25	--	83.76	--	--	--	--	--	--	--	--	--
8/18/92		100.01	--	16.32	--	83.69	--	--	**200,000**	**17,000**	**28,000**	**2,800**	**26,000**	--	--
8/18/92		100.01	--	16.50	--	83.51	--	--	**160,000**	**17,000**	**29,000**	**2,200**	**19,000**	--	--
9/25/92		100.01	--	16.52	--	83.49	--	--	--	--	--	--	--	--	--
2/24/93		100.01	--	16.03	--	83.98	--	--	**290,000**	**22,000**	**42,000**	**4,700**	**27,000**	--	--
5/12/93		100.01	--	14.91	--	85.10	--	--	**160,000**	**13,000**	**27,000**	**2,400**	**22,000**	--	--
8/18/93		100.01	--	16.35	--	83.66	--	--	**150,000**	**10,000**	**22,000**	**2,500**	**18,000**	--	--
11/10/93		100.01	--	15.89	--	84.12	--	--	**170,000**	**13,000**	**26,000**	**3,400**	**23,000**	--	--
2/3/94		100.01	--	15.53	--	84.48	--	--	**190,000**	**9,800**	**21,000**	**2,400**	**15,000**	--	--
7/20/94		100.01	--	16.39	--	83.62	--	--	**170,000**	**12,000**	**26,000**	**3,000**	**20,000**	--	--
10/18/94		100.01	--	18.03	0.04	82.01	--	--	--	--	--	--	--	--	--
2/1/95		100.01	--	17.90	--	82.11	--	--	**100,000**	**2,100**	**7,100**	**1,400**	**14,000**	--	--
7/12/95		100.01	--	17.60	--	82.41	--	--	**970,000**	**5,800**	**9,600**	**3,300**	**42,000**	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
CHEVRON SERVICE STATION NO. 9-0129
4700 Brooklyn Avenue
Seattle, Washington
Concentrations reported in µg/L unless otherwise noted

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	THP-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)
MW-4 (cont)															
1/4/96		100.01	--	17.36	--	82.65	--	--	**1,400,000**	**300**	**1,100**	570	**8,600**	--	--
1/7/97		100.01	--	17.60	--	82.41	--	--	--	--	--	--	--	--	--
2/12/98		100.01	--	16.65	--	83.36	--	--	**24,400**	**917**	202	385	**3,390**	--	--
5/31/99	NP	100.01	--	16.84	0.00	83.17	--	--	**32,600**	**1,660**	217	566	**4,390**	--	--
6/8/00		100.01	--	17.50	<0.01	82.51	--	--	**58,500**	**971**	206	**1,120**	**7,570**	ND	--
1/30/01		100.01	--	18.10	0.00	81.91	--	--	**59,800**	**1,800**	140	**901**	**4,450**	--	--
4/11/01		100.01	--	17.91	0.00	82.10	--	--	**56,800**	**1,450**	105	**984**	**4,560**	--	--
7/28/01		100.01	--	17.88	0.00	82.13	--	--	**91,600**	**1,480**	142	**1,240**	**5,930**	--/<50[6]	--
10/15/01		100.01	--	18.06	0.00	81.95	--	--	**65,900**	**1,460**	116	**944**	**3,890**	--/40.4[6]	--
1/5/02		100.01	--	17.04	0.00	82.97	--	--	**25,600**	**247**	52.3	483	**2,030**	--/<50.0[6]	--
4/2/02		100.01	INACCESSIBLE - CAR PARKED OVER WELL					--	--	--	--	--	--	--	--
7/11/02	NP	100.01	--	16.88	0.00	83.13	--	--	**34,000**	**1,000**	59	450	**1,400**	**130/110[6]**	--
10/10/02	NP	100.01	--	17.28	0.00	82.73	--	--	**31,000**	**1,200**	49	620	**1,700**	**170/110[6]**	--
1/10/03		100.01	INACCESSIBLE - CAR PARKED OVER WELL					--	--	--	--	--	--	--	--
4/21/03	NP	100.01	--	15.78	0.00	84.23	--	--	**11,000**	**120**	6.0	220	520	<20	--
6/26/03	NP	100.01	--	15.96	0.00	84.05	--	--	**8,000**	**330**	12	160	510	**150/160[6]**	--
10/14/03	NP	100.01	--	16.56	0.00	83.45	--	--	**13,000**	**550**	17	280	690	**150/140[6]**	--
1/7/04	NP	100.01	--	16.02	0.00	83.99	--	--	**12,000**	**370**	8.9	24	650	**62/47[6]**	--
4/21/04	NP	100.01	--	15.83	0.00	84.18	--	--	**1,300**	**69**	0.7	3.2	24	**78/78[6]**	--
7/1/04	NP	100.01	--	16.02	0.00	83.99	--	--	**980**	**90**	0.7	3.9	15	**67/70[6]**	--
10/15/04	NP	100.01	--	16.41	0.00	83.60	--	--	**9,900**	**530**	9.0	240	510	**140/110[6]**	--
1/5/05	NP	100.01	--	16.14	0.00	83.87	--	--	**14,000**	**630**	9.8	330	660	**130/110[6]**	--
8/4/05	NP	100.01	--	16.36	0.00	83.65	--	--	**9,600**	**420**	6.3	260	370	**99**	--
7/26/06	NP	100.01	--	15.98	0.00	84.03	--	--	330	**21**	<0.5	<0.5	2.5	12	--
7/19/07	NP	100.01	--	16.30	0.00	83.71	--	--	350	**13**	<0.5	<0.5	2.6	6.3	--
7/23/08	NP	100.01	--	16.36	0.00	83.65	--	--	**1,700**	**99**	1.9	7	41	8.5	--
7/13/09	NP	100.01	--	15.07	0.00	84.94	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
12/17-18/09		100.01	--	15.16	0.00	84.85	**3,300**	<680	**3,300**	**19**	0.9	1.9	6.2	<2.5	--
3/17/10		100.01	--	14.95	0.00	85.06	**20,000**	**4,600**	**930**	**10**	1.9	1.4	2.2	3.5	--

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Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	THP-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)
MW-4 (cont)															
06/22-23/10		100.01	--	14.21	0.00	85.80	120	<68	140	3.8	<2.0	2.3	1.9	<2.5	--
9/13/10		100.01	--	7.31	0.00	92.70	**2,900**	400	**3,400**	**130**	1.3	58	34	8.1	--
12/20/10		100.01	--	17.69	0.00	82.32	**130,000**	**31,000**	**2,200**	**150**	5.6	28	18	41	--
6/16/11		100.01	--	17.60	0.00	82.41	**16,000**	**2,300**	**3,000**	**140**	5.1	21	<15	15	--
9/23/11		100.01	--	18.30	0.00	81.71	**2,800**	<330	**3,700**	**290**	<10	64	<50	16	--
1/14/12		100.01	--	18.65	0.00	81.36	**7,900**	**930**	**2,900**	**170**	4.6	69	69	19	--
MW-5															
2/19/90		100.75	--	--	--	--	--	--	ND	ND	5.0	ND	22	--	--
4/12/91		100.75	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--
6/28/91		100.75	--	--	--	--	--	--	89	ND	1.9	0.96	6.1	--	--
9/18/91		100.75	--	--	--	--	--	--	68	ND	ND	1.1	ND	--	--
12/3/91		100.75	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--
2/25/92		100.75	--	--	--	--	--	--	92	ND	ND	15	ND	--	--
5/15/92		100.75	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--
7/31/92		100.75	--	16.02	--	84.73	--	--	--	--	--	--	--	--	--
8/18/92		100.75	--	16.09	--	84.66	--	--	ND	ND	ND	ND	ND	--	--
9/25/92		100.75	--	16.42	--	84.33	--	--	--	--	--	--	--	--	--
2/23/93		100.75	--	--	--	--	--	--	--	--	--	--	--	--	--
5/12/93		100.75	--	--	--	--	--	--	--	--	--	--	--	--	--
8/18/93		100.75	--	--	--	--	--	--	--	--	--	--	--	--	--
11/10/93		100.75	--	--	--	--	--	--	--	--	--	--	--	--	--
2/3/94		100.75	--	--	--	--	--	--	--	--	--	--	--	--	--
4/26/94		100.75	--	--	--	--	--	--	--	--	--	--	--	--	--
7/20/94		100.75	--	--	--	--	--	--	--	--	--	--	--	--	--
10/18/94		100.75	--	--	--	--	--	--	--	--	--	--	--	--	--
2/1/95		100.75	--	--	--	--	--	--	--	--	--	--	--	--	--
7/12/95		100.75	--	--	--	--	--	--	--	--	--	--	--	--	--
1/4/96		100.75	--	--	--	--	--	--	--	--	--	--	--	--	--
1/7/97		100.75	--	--	--	--	--	--	--	--	--	--	--	--	--
2/12/98		100.75	--	--	--	--	--	--	--	--	--	--	--	--	--

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4700 Brooklyn Avenue
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Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	THP-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)
MW-5 (cont)															
NOT MONITORED/SAMPLED			--	--	--	--	--	--	--	--	--	--	--	--	--
12/17-18/09		100.75	--	16.09	--	84.66	50	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
3/17/10		100.75	--	15.76	--	84.99	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
06/22-23/10		100.75	--	15.11	--	85.64	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
9/13/10		100.75	--	17.63	--	83.12	<31	<71	52	<0.5	<0.5	<0.5	<1.5	<2.5	--
12/20/10		100.75	--	17.75	--	83.00	<31	110	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
6/16/11		100.75	--	17.73	--	83.02	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
9/22/11		100.75	--	18.60	--	82.15	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
1/14/12		100.75	--	18.90	--	81.85	<29	<67	52	<0.5	1.3	0.7	7.5	<2.5	--
MW-6															
2/19/90		100.93	--	--	--	--	--	--	**38,200**	ND	74	259	**2,430**	--	--
4/12/91		100.93	--	--	--	--	--	--	ND	ND	1.8	4.8	53	--	--
6/28/91		100.93	--	--	--	--	--	--	390	**1,100**	**5,300**	**860**	**47,000**	--	--
9/18/91		100.93	--	--	--	--	--	--	**1,600**	3.7	ND	15	130	--	--
12/3/91		100.93	--	--	--	--	--	--	**2,000**	3.7	1.8	19	130	--	--
2/25/92		100.93	--	--	--	--	--	--	**4,100**	**8.9**	2.9	44	320	--	--
5/15/92		100.93	--	--	--	--	--	--	ND	ND	ND	ND	8.0	--	--
7/31/92		100.93	--	15.86	--	85.07	--	--	--	--	--	--	--	--	--
8/18/92		100.93	--	15.95	--	84.98	--	--	**3,300**	3.7	0.84	17	110	--	--
9/25/92		100.93	--	16.26	--	84.67	--	--	--	--	--	--	--	--	--
2/23/93		100.93	--	16.17	--	84.76	--	--	**1,900**	ND	0.8	5.2	67	--	--
5/12/93		100.93	--	15.63	--	85.30	--	--	**1,600**	2.1	1.2	8.5	74	--	--
8/18/93		100.93	--	15.37	--	85.56	--	--	ND	ND	ND	ND	1.0	--	--
11/10/93		100.93	--	15.83	--	85.10	--	--	**1,300**	2.3	2.0	2.9	36	--	--
2/3/94		100.93	--	15.45	--	85.48	--	--	740	2.8	5.4	2.6	23	--	--
4/26/94		100.93	--	15.19	--	85.74	--	--	300	ND	ND	ND	2.4	--	--
7/20/94		100.93	--	16.94	--	83.99	--	--	**2,500**	ND	1.1	5.6	38	--	--
10/18/94		100.93	--	18.68	--	82.25	--	--	440	ND	1.0	1.3	2.5	--	--
2/1/95		100.93	DRY	--	--	--	--	--	--	--	--	--	--	--	--
7/12/95		100.93	DRY	--	--	--	--	--	--	--	--	--	--	--	--

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Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	THP-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)
MW-6 (cont)															
1/4/96		100.93	--	17.94	--	82.99	--	--	**9,400**	**11**	90	120	770	--	--
1/7/97		100.93	--	16.90	--	84.03	--	--	**1,440**	2.85	5.05	10.4	56.7	--	--
2/12/98		100.93	--	16.93	--	84.00	--	--	308	**6.43**	1.63	ND	3.53	--	--
5/31/99	NP	100.93	--	17.17	--	83.76	--	--	**1,660**	**116**	6.98	2.21	37.5	--	--
6/8/00		100.93	--	17.90	--	83.03	--	--	**1,970**	**61.9**	6.96	23.8	122	ND/ND	--
1/30/01		100.93	--	18.51	--	82.42	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--
4/11/01		100.93	--	18.21	--	82.72	--	--	**10,800**	**190**	20.0	45.0	262	--	--
7/28/01		100.93	--	18.09	--	82.84	--	--	**4,600**	**264**	7.94	23.1	91.2	--	--
10/15/01		100.93	--	18.28	--	82.65	--	--	**6,890**	**267**	13.8	45.9	203	--	--
1/5/02		100.93	--	17.09	--	83.84	--	--	**3,500**	**213**	7.25	22.9	109	--	--
NOT MONITORED/SAMPLED			--	--	--	--	--	--	--	--	--	--	--	--	--
12/17-18/09		100.93	--	16.03	--	84.90	99	<72	460	<0.5	<0.5	2.2	15	<2.5	--
3/17/10		100.93	--	15.69	--	85.24	56	<71	590	0.9	0.5	2.2	17	<2.5	--
06/22-23/10		100.93	--	14.99	--	85.94	31	<70	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
9/13/10		100.93	--	17.64	--	83.29	240	<71	**980**	1.9	1.1	2.3	23	<2.5	--
12/20/10		100.93	--	17.74	--	83.19	350	<72	**1,300**	3.5	1.8	4.8	37	2.8	--
6/16/11		100.93	--	17.75	--	83.18	260	160	600	1.5	1	2.7	20	<2.5	--
9/22/11		100.93		18.65		82.28	OBSTRUCTION IN WELL AT 19 FT					--	--	--	--
1/14/12		100.93		21.10		79.83	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--
MW-7															
2/19/90		99.07	--	--	--	--	--	--	**526,000**	**3,280**	**8,170**	**1,210**	**8,010**	--	--
6/28/91		99.07	--	--	--	--	--	--	**30,000**	**760**	950	**4,600**	**8,500**	--	--
9/18/91		99.07	--	--	--	--	--	--	**11,000**	**280**	970	560	**2,800**	--	--
12/3/91		99.07	--	--	--	--	--	--	**9,400**	**250**	330	630	**2,600**	--	--
2/25/92		99.07	--	--	--	--	--	--	**3,800**	**210**	260	510	**2,200**	--	--
5/15/92		99.07	--	--	--	--	--	--	**9,000**	**170**	35	630	**2,900**	--	--
8/18/92		99.07	--	16.90	--	--	--	--	**28,000**	**190**	75	100	560	--	--
9/25/92		99.07	--	17.05	--	82.02	--	--	--	--	--	--	--	--	--
2/23/93		99.07	--	16.81	--	82.26	--	--	**32,000**	**160**	**1,500**	**800**	**6,300**	--	--
5/12/93		99.07	--	16.32	--	82.75	--	--	**24,000**	**160**	940	**890**	**5,200**	--	--
8/18/93		99.07	--	16.39	--	82.68	--	--	**27,000**	**79**	470	**750**	**6,500**	--	--

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Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	THP-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)
MW-7 (cont)															
11/10/93		99.07	--	16.94	--	82.13	--	--	**14,000**	**36**	60	400	**3,800**	--	--
2/3/94		99.07	--	16.71	--	82.36	--	--	**3,800**	**7.5**	8.3	130	680	--	--
4/26/94		99.07	--	15.72	--	83.35	--	--	**10,000**	**48**	190	480	**1,900**	--	--
7/20/94		99.07	--	16.03	--	83.04	--	--	**14,000**	**26**	280	570	**2,900**	--	--
10/18/94		99.07	--	17.49	--	81.58	--	--	**6,200**	**11**	13	230	980	--	--
2/1/95		99.07	--	17.58	--	81.49	--	--	510	**9.5**	1.3	51	22	--	--
7/12/95		99.07	--	17.24	--	81.83	--	--	**8,600**	**30**	25	270	**1,300**	--	--
1/4/96		99.07	--	--	--	--	--	--	--	--	--	--	--	--	--
1/7/97		99.07	--	--	--	--	--	--	--	--	--	--	--	--	--
2/12/98		99.07	--	--	--	--	--	--	--	--	--	--	--	--	--
5/31/99		99.07	--	--	--	--	--	--	--	--	--	--	--	--	--
6/8/00		99.07	--	17.11	--	--	--	--	321	3.15	ND	63.6	5.66	ND	--
NOT MONITORED/SAMPLED			--	--	--	--	--	--	--	--	--	--	--	--	--
12/17-18/09		99.07	--	13.48	--	85.59	86	<68	330	0.7	<0.5	5.5	7.6	<2.5	--
3/17/10		99.07	--	13.35	--	85.72	33	73	670	**29**	1.1	7.4	9.9	<2.5	--
06/22-23/10		99.07	--	13.11	--	85.96	<31	<72	<50	1	<0.5	0.8	<1.5	<2.5	--
9/13/10		99.07	--	16.45	--	82.62	120	97	**960**	4	<0.5	9.6	8.2	<2.5	--
12/20/10		99.07	--	17.12	--	81.95	54	<75	170	2.6	<0.5	3.5	<1.5	<2.5	--
6/16/11		99.07	--	16.77	--	82.30	160	430	180	1.5	<0.5	0.8	<1.5	<2.5	--
9/23/11		99.07	--	17.58	--	81.49	100	440	210	2.3	<0.5	4.2	<1.5	<2.5	--
1/14/12		99.07	--	17.80	--	81.27	33	130	130	1.5	<0.5	3.2	<1.5	<2.5	--
MW-8															
4/11/01		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED			--	--	--	--	--	--	--	--	--	--	--	--	--
12/17-18/09		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--
3/17/10		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--
06/22-23/10		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--
9/13/10		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--
12/20/10		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--
6/16/11		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--

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4700 Brooklyn Avenue
Seattle, Washington
Concentrations reported in µg/L unless otherwise noted

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	THP-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)
MW-8 (cont)															
9/22/11		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--
1/14/12		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--
MW-9															
2/19/90		100.02	--	--	--	--	--	--	**99,600**	**181**	489	494	**4,290**	--	--
4/12/91		100.02	--	--	--	--	--	--	ND	ND	ND	180	930	--	--
6/28/91		100.02	--	--	--	--	--	--	**10,000**	**100**	160	570	**1,800**	--	--
9/18/91		100.02	--	--	--	--	--	--	**15,000**	**150**	260	**720**	**3,200**	--	--
12/3/91		100.02	--	--	--	--	--	--	**16,000**	**140**	290	**780**	**3,400**	--	--
2/25/92		100.02	--	--	--	--	--	--	**9,500**	**120**	220	640	**2,900**	--	--
5/15/92		100.02	--	--	--	--	--	--	**18,000**	**120**	210	660	**3,300**	--	--
7/31/92		100.02	--	15.86	--	84.16	--	--	--	--	--	--	--	--	--
8/18/92		100.02	--	15.93	--	84.09	--	--	**16,000**	**72**	120	560	**1,900**	--	--
9/25/92		100.02	--	16.14	--	83.88	--	--	--	--	--	--	--	--	--
2/23/93		100.02	--	15.87	--	84.15	--	--	**9,000**	**45**	120	390	**1,100**	--	--
5/12/93		100.02	--	15.44	--	84.58	--	--	**11,000**	**34**	58	280	910	--	--
8/18/93		100.02	--	15.21	--	84.81	--	--	**3,100**	**22**	47	94	500	--	--
11/10/93		100.02	--	15.85	--	84.17	--	--	**10,000**	**67**	150	470	**1,700**	--	--
2/3/94		100.02	--	15.63	--	84.39	--	--	**26,000**	**85**	340	**910**	**3,600**	--	--
4/26/94		100.02	--	14.98	--	85.04	--	--	**12,000**	**37**	73	200	750	--	--
7/20/94		100.02	--	15.91	--	84.11	--	--	**15,000**	**37**	110	360	**1,600**	--	--
10/18/94		100.02	--	16.91	--	83.11	--	--	**28,000**	**110**	350	**970**	**2,000**	--	--
2/1/95		100.02	--	16.86	--	83.16	--	--	**21,000**	**47**	230	570	**2,600**	--	--
7/12/95		100.02	--	16.50	--	83.52	--	--	**17,000**	**69**	130	480	**2,000**	--	--
1/4/96		100.02	--	16.00	--	84.02	--	--	**39,000**	**46**	140	420	**2,600**	--	--
1/7/97		100.02	15.12	15.12	Sheen	84.90	--	--	**31,600**	**47.7**	ND	25.2	112	--	--
2/12/98		100.02	--	15.87	--	84.15	--	--	ND	ND	ND	ND	ND	--	--
5/31/99	NP	100.02	--	16.03	0.00	83.99	--	--	ND	ND	ND	ND	ND	--	--
6/8/00		100.02	--	16.74	0.00	83.28	--	--	--	--	--	--	--	--	--
1/30/01		100.02	--	17.40	0.00	82.62	--	--	**307,000**	ND	ND	ND	ND	--	--
4/11/01		100.02	--	17.15	0.00	82.87	--	--	**43,000**	<50	289	**911**	**5,530**	--	--

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Seattle, Washington
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Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	THP-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)
MW-9 (cont)															
7/28/01		100.02	--	17.18	0.00	82.84	--	--	**27,800**	**35.9**	290	**1,110**	**5,490**	--	--
10/15/01		100.02	--	17.54	0.00	82.48	--	--	**84,100**	<25.0	99.3	262	**2,290**	--	--
1/5/02		100.02	--	16.12	0.00	83.90	--	--	**9,020**	<5.00	10.0	103	850	--	--
NOT MONITORED/SAMPLED			--	--	--	--	--	--	--	--	--	--	--	--	--
12/17-18/09		100.02	--	10.88	0.00	89.14	<29	<68	<50	**130**	3.4	0.7	2.2	<2.5	--
3/17/10		100.02	--	10.96	0.00	89.06	78	170	**13,000**	**610**	1,600	280	**1,500**	**73**	--
06/22-23/10		100.02	--	12.00	0.00	88.02	310	<70	**12,000**	**11**	15	150	**1,100**	<10	--
9/13/10		100.02	--	16.27	0.00	83.75	**990**	**800**	**2,900**	**53**	23	61	110	<10	--
12/20/10		100.02	--	16.45	0.00	83.57	150	<74	**4,000**	**51**	13	79	170	8.8	--
6/16/11		100.02	--	16.35	0.00	83.67	240	190	**1,600**	**41**	4.4	53	59	<10	--
9/23/11		100.02	--	17.25	0.00	82.77	200	<70	**4,200**	**88**	12	180	290	<20	--
1/14/12		100.02	--	17.55	0.00	82.47	330	<68	**5,800**	**120**	17	180	260	**36**	--
MW-10															
2/19/90		99.18	--	--	--	--	--	--	**89,400**	**431**	136	505	**1,990**	--	--
4/12/91		99.18	--	--	--	--	--	--	**5,000**	**200**	56	350	**1,200**	--	--
6/28/91		99.18	--	--	--	--	--	--	**5,700**	**250**	48	330	910	--	--
9/18/91		99.18	--	--	--	--	--	--	**6,200**	**230**	370	300	580	--	--
12/3/91		99.18	--	--	--	--	--	--	560	**210**	59	290	870	--	--
2/25/92		99.18	--	--	--	--	--	--	**5,000**	**160**	27	200	730	--	--
5/15/92		99.18	--	--	--	--	--	--	**5,200**	**190**	37	290	710	--	--
7/31/92		99.18	--	15.30	--	83.88	--	--	--	--	--	--	--	--	--
8/18/92		99.18	--	15.81	--	83.37	--	--	**5,900**	**180**	25	180	550	--	--
9/25/92		99.18	--	15.97	--	83.21	--	--	--	--	--	--	--	--	--
2/23/93		99.18	--	--	--	--	--	--	--	--	--	--	--	--	--
5/12/93		99.18	--	--	--	--	--	--	--	--	--	--	--	--	--
8/18/93		99.18	--	--	--	--	--	--	--	--	--	--	--	--	--
11/10/93		99.18	--	--	--	--	--	--	--	--	--	--	--	--	--
2/3/94		99.18	--	--	--	--	--	--	--	--	--	--	--	--	--
4/26/94		99.18	--	--	--	--	--	--	--	--	--	--	--	--	--
7/20/94		99.18	--	--	--	--	--	--	--	--	--	--	--	--	--

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Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	THP-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)
MW-10 (cont)															
10/18/94		99.18	--	--	--	--	--	--	--	--	--	--	--	--	--
2/1/95		99.18	--	15.98	--	83.20	--	--	--	--	--	--	--	--	--
7/12/95		99.18	--	--	--	--	--	--	--	--	--	--	--	--	--
1/4/96		99.18	--	--	--	--	--	--	--	--	--	--	--	--	--
1/7/97		99.18	--	--	--	--	--	--	--	--	--	--	--	--	--
2/12/98		99.18	--	--	--	--	--	--	--	--	--	--	--	--	--
5/19/03		99.18	14.81	14.91	0.10	84.35	--	--	--	--	--	--	--	--	--
6/26/03		99.18	15.21	15.42	0.21	83.93	--	--	--	--	--	--	--	--	--
8/18/03		99.18	16.04	16.23	0.19	83.10	--	--	--	--	--	--	--	--	--
9/6/03		99.18	16.02	16.19	0.17	83.13	--	--	--	--	--	--	--	--	--
10/14/03		99.18	16.10	16.39	0.29	83.02	--	--	--	--	--	--	--	--	--
11/17/03		99.18	15.88	15.95	0.07	83.29	--	--	--	--	--	--	--	--	--
12/8/03		99.18	16.22	16.46	0.24	82.91	--	--	--	--	--	--	--	--	--
1/7/04		99.18	15.37	15.61	0.24	83.76	--	--	--	--	--	--	--	--	--
2/26/04		99.18	14.93	15.05	0.12	84.23	--	--	--	--	--	--	--	--	--
3/18/04		99.18	14.82	15.04	0.22	84.32	--	--	--	--	--	--	--	--	--
4/21/04		99.18	14.35	14.45	0.10	84.81	--	--	--	--	--	--	--	--	--
5/17/04		99.18	14.30	14.41	0.11	84.86	--	--	--	--	--	--	--	--	--
6/2/04		99.18	14.87	14.96	0.09	84.29	--	--	--	--	--	--	--	--	--
7/1/04		99.18	15.02	15.10	0.08	84.14	--	--	--	--	--	--	--	--	--
8/16/04		99.18	14.93	15.02	0.09	84.23	--	--	--	--	--	--	--	--	--
9/24/04		99.18	16.22	16.31	0.09	82.94	--	--	--	--	--	--	--	--	--
10/15/04		99.18	15.55	15.71	0.26	83.68	--	--	--	--	--	--	--	--	--
10/26/04		99.18	16.32	16.40	0.08	82.84	--	--	--	--	--	--	--	--	--
12/2/04		99.18	16.32	16.40	0.08	82.84	--	--	--	--	--	--	--	--	--
1/5/05		99.18	14.95	14.99	0.04	84.22	--	--	--	--	--	--	--	--	--
2/1/05		99.18	14.57	14.64	0.07	84.60	--	--	--	--	--	--	--	--	--
8/4/05		99.18	14.42	14.46	0.04	84.75	--	--	--	--	--	--	--	--	--
4/5/06		99.18	--	--	--	--	--	--	--	--	--	--	--	--	--
07/26/06		99.18	--	13.42	0.00	85.76	--	--	--	--	--	--	--	--	--

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Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	THP-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)
MW-10 (cont)															
7/19/07		99.18	--	12.82	0.00	86.36	--	--	--	--	--	--	--	--	--
7/23/08		99.18	--	14.54	0.00	84.64	--	--	--	--	--	--	--	--	--
7/13/09		99.18	--	12.01	0.00	87.17	--	--	--	--	--	--	--	--	--
12/17-18/09		99.18	--	11.29	0.00	87.89	310	<69	**2,300**	**230**	28	2.9	9.3	<2.5	--
3/17/10		99.18	--	11.36	0.00	87.82	**2,200**	200	**88,000**	**4,900**	**16,000**	**1,200**	**7,600**	<500	--
06/22-23/10		99.18	--	11.79	0.00	87.39	**1,500**	<70	**56,000**	**17**	**2,000**	**1,300**	**11,000**	<63	--
9/13/10		99.18	--	15.71	0.00	83.47	**30,000**	<1,700	**37,000**	**490**	**1,400**	**990**	**5,000**	<13	--
12/20/10		99.18	--	15.92	0.00	83.26	**9,900**	<1,400	**23,000**	**330**	650	620	**2,900**	<25	--
6/16/11		99.18	--	15.79	0.00	83.39	**3,800**	<690	**11,000**	**230**	30	370	630	<20	--
9/23/11		99.18	--	16.70	0.00	82.48	**14,000**	<1,300	**7,700**	**250**	25	380	460	<50	--
1/14/12		99.18	16.90	17.20	0.30	82.22	--	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--
MW-11															
2/19/90		98.43	--	--	--	--	--	--	**244,000**	**342**	**5,430**	**2,150**	**9,020**	--	--
4/12/91		98.43	--	--	--	--	--	--	ND	ND	**3,300**	**1,700**	**9,500**	--	--
6/28/91		98.43	--	--	--	--	--	--	**45,000**	**220**	**5,400**	**2,200**	**11,000**	--	--
9/18/91		98.43	--	--	--	--	--	--	**58,000**	**210**	**4,900**	**2,000**	**9,900**	--	--
12/3/91		98.43	--	--	--	--	--	--	**41,000**	**210**	**5,100**	**2,000**	**9,700**	--	--
2/25/92		98.43	--	--	--	--	--	--	**47,000**	**190**	**4,500**	**1,700**	**8,400**	--	--
5/15/92		98.43	--	--	--	--	--	--	**34,000**	**61**	420	**750**	**4,700**	--	--
7/31/92		98.43	--	15.18	--	83.25	--	--	--	--	--	--	--	--	--
8/18/92		98.43	--	15.31	--	83.12	--	--	**70,000**	**210**	**6,700**	210	**1,100**	--	--
9/25/92		98.43	--	15.00	--	83.43	--	--	--	--	--	--	--	--	--
2/23/93		98.43	--	15.15	--	83.28	--	--	**52,000**	**150**	**4,100**	**1,700**	**7,900**	--	--
5/12/93		98.43	--	14.76	--	83.67	--	--	**57,000**	**200**	**5,200**	**2,000**	**9,400**	--	--
8/18/93		98.43	--	14.79	--	83.64	--	--	**52,000**	**130**	**4,100**	**1,800**	**8,300**	--	--
11/10/93		98.43	--	15.19	--	83.24	--	--	**51,000**	**160**	**3,500**	**1,800**	**6,300**	--	--
2/3/94		98.43	--	14.81	--	83.62	--	--	**33,000**	**74**	**1,900**	**880**	**3,300**	--	--
4/26/94		98.43	--	14.11	--	84.32	--	--	**26,000**	**39**	270	170	**2,600**	--	--
7/20/94		98.43	--	14.51	--	83.92	--	--	**18,000**	ND	45	85	540	--	--
10/18/94		98.43	--	15.32	--	83.11	--	--	**38,000**	**130**	**3,300**	**830**	**4,200**	--	--

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Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	THP-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)
MW-11 (cont)															
2/1/95		98.43	--	15.73	--	82.70	--	--	**100,000**	**170**	**3,600**	**2,000**	**11,000**	--	--
7/12/95		98.43	--	13.98	--	84.45	--	--	**16,000**	**22**	260	200	**1,200**	--	--
1/4/96		98.43	--	14.75	--	83.68	--	--	**52,000**	**170**	**4,700**	**1,500**	**7,800**	--	--
1/7/97		98.43	14.00	14.00	Sheen	84.43	--	--	**37,200**	**74.9**	**2,390**	**1,100**	**5,760**	--	--
2/12/98		98.43	--	14.85	--	83.58	--	--	**13,100**	**52.4**	184	374	**2,150**	--	--
5/31/99	NP	98.43	--	14.92	0.00	83.51	--	--	**17,000**	**41.3**	137	40.8	**2,540**	--	--
6/8/00		98.43	15.56	15.56	Sheen	82.87	--	--	**51,700**	**215**	**4,980**	**1,850**	**8,960**	ND	--
1/30/01		98.43	16.75	16.30	0.45	81.59	--	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--
4/11/01		98.43	16.88	15.87	1.01	81.35	--	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--
7/28/01		98.43	16.19	16.03	0.16	82.21	--	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--
10/15/01		98.43	16.39	15.68	0.71	81.90	--	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--
1/5/02		98.43	15.60	15.49	0.11	82.81	--	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--
4/2/02	NP	98.43	--	15.32	0.00	83.11	--	--	**71,000**	**130**	**5,100**	**2,000**	**11,000**	<20	--
6/26/02		98.43	15.69	15.78	0.09	82.72	--	--	--	--	--	--	--	--	--
7/11/02		98.43	15.84	15.90	0.06	82.58	--	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--
8/29/02		98.43	16.21	16.29	0.08	82.20	--	--	--	--	--	--	--	--	--
9/7/02		98.43	15.91	15.96	0.05	82.51	--	--	--	--	--	--	--	--	--
10/10/02		98.43	16.20	16.94	0.74	82.08	--	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--
11/22/02		98.43	15.88	15.94	0.06	82.54	--	--	--	--	--	--	--	--	--
12/11/02		98.43	15.77	15.89	0.12	82.64	--	--	--	--	--	--	--	--	--
1/10/03		98.43	15.98	17.61	1.63	82.12	--	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--
2/13/03		98.43	15.89	16.93	1.04	82.33	--	--	--	--	--	--	--	--	--
3/5/03		98.43	15.78	16.77	0.99	82.45	--	--	--	--	--	--	--	--	--
4/21/03		98.43	14.86	14.91	0.05	83.56	--	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--
5/19/03		98.43	14.73	14.76	0.03	83.69	--	--	--	--	--	--	--	--	--
6/5/03		98.43	14.94	15.01	0.07	83.48	--	--	--	--	--	--	--	--	--
6/26/03		98.43	15.18	15.20	0.02	83.25	--	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--
8/18/03		98.43	16.01	16.05	0.04	82.41	--	--	--	--	--	--	--	--	--
9/6/03		98.43	16.01	16.04	0.03	82.41	--	--	--	--	--	--	--	--	--
10/14/03	NP	98.43	--	15.90	0.00	82.53	--	--	**65,000**	**72**	**3,600**	**1,700**	**8,600**	<100	--

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GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
CHEVRON SERVICE STATION NO. 9-0129
4700 Brooklyn Avenue
Seattle, Washington
Concentrations reported in µg/L unless otherwise noted

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	THP-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)
MW-11 (cont)															
11/17/03		98.43	15.82	15.98	0.16	82.58	--	--	--	--	--	--	--	--	--
12/8/03		98.43	15.95	15.97	0.02	82.48	--	--	--	--	--	--	--	--	--
1/7/04		98.43	15.46	15.49	0.03	82.96	--	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--
2/26/04		98.43	14.93	14.96	0.03	83.49	--	--	--	--	--	--	--	--	--
3/18/04		98.43	15.13	15.16	0.03	83.29	--	--	--	--	--	--	--	--	--
4/21/04		98.43	14.64	14.66	0.02	83.79	--	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--
5/17/04		98.43	14.60	14.62	0.02	83.83	--	--	--	--	--	--	--	--	--
6/2/04		98.43	15.20	15.22	0.02	83.23	--	--	--	--	--	--	--	--	--
7/1/04	NP	98.43	--	15.01	0.00	83.42	--	--	**59,000**	**44**	**2,200**	**980**	**9,000**	<25	--
8/16/04		98.43	15.31	15.33	0.02	83.12	--	--	--	--	--	--	--	--	--
9/24/04		98.43	16.03	16.05	0.02	82.40	--	--	--	--	--	--	--	--	--
10/15/04	NP	98.43	--	15.35	0.00	83.08	--	--	**53,000**	**72**	**2,900**	**1,400**	**8,400**	<200	--
10/26/04		98.43	16.00	16.02	0.02	82.43	--	--	--	--	--	--	--	--	--
12/2/04		98.43	15.86	15.89	0.03	82.56	--	--	--	--	--	--	--	--	--
1/5/05		98.43	15.11	15.14	0.03	83.31	--	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--
2/1/05		98.43	15.05	15.08	0.03	83.37	--	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--
8/4/05		98.43	15.45	15.48	0.03	82.97	--	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--
4/5/06		98.43	--	--	--	--	--	--	--	--	--	--	--	--	--
7/26/06	NP	98.43	--	13.42	0.00	85.01	--	--	<48	1.0	<0.5	0.6	2.0	<2.5	--
7/19/07	NP	98.43	--	12.31	0.00	86.12	--	--	<50	1.5	<0.5	<0.5	<1.5	<10	--
7/23/08	NP	98.43	--	14.45	0.00	83.98	--	--	530	<0.5	<2.0	1.5	8.0	<2.5	--
7/13/09	NP	98.43	--	11.64	0.00	86.79	--	--	**4,500**	**530**	95	170	640	<5.0	--
12/17-18/09		98.43	--	11.40	0.00	87.03	230	<70	**3,800**	**510**	610	23	95	<13	--
3/17/10		98.43	--	11.31	0.00	87.12	400	430	**57,000**	**2,900**	**9,700**	**840**	**6,200**	<63	--
06/22-23/10		98.43	--	11.64	0.00	86.79	**870**	<68	**41,000**	**64**	**1,600**	**940**	**6,700**	<25	--
9/13/10		98.43	--	15.16	0.00	83.27	**25,000**	<1,700	**42,000**	**99**	**1,200**	**760**	**5,300**	<25	--
12/21/10		98.43	--	15.33	0.00	83.10	**1,600**	<350	**40,000**	**390**	**2,700**	**720**	**4,900**	**59**	--
6/16/11		98.43	--	15.08	0.00	83.35	**3,800**	<680	**33,000**	**490**	**1,800**	600	**3,000**	<25	--
9/23/11		98.43	--	16.00	0.00	82.43	**600**	<68	**21,000**	**630**	**1,200**	610	**2,200**	**74**	--
1/14/12		98.43	16.25	16.50	0.25	82.13	--	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH						--

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GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
CHEVRON SERVICE STATION NO. 9-0129
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Seattle, Washington
Concentrations reported in µg/L unless otherwise noted

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	THP-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)
MW-12															
2/25/92		100.50	--	--	--	--	--	--	**130,000**	**16,000**	**31,000**	**2,800**	**20,000**	--	--
5/15/92		100.50	--	--	--	--	--	--	**109,000**	**12,000**	**28,000**	**2,100**	**16,000**	--	--
7/31/92		100.50	--	15.54	--	84.96	--	--	--	--	--	--	--	--	--
8/18/92		100.50	--	15.80	--	84.70	--	--	**210,000**	**24,000**	**40,000**	**2,800**	**17,000**	--	--
9/25/92		100.50	--	15.64	--	84.86	--	--	--	--	--	--	--	--	--
2/23/93		100.50	--	15.99	--	84.51	--	--	**140,000**	**20,000**	**31,000**	**1,600**	**12,000**	--	--
5/12/93		100.50	--	15.55	--	84.95	--	--	**120,000**	**19,000**	**29,000**	**1,700**	**15,000**	--	--
8/18/93		100.50	--	15.57	--	84.93	--	--	**160,000**	**21,000**	**39,000**	**2,500**	**18,000**	--	--
11/10/93		100.50	--	16.12	--	84.38	--	--	**160,000**	**21,000**	**35,000**	**3,000**	**14,000**	--	--
2/3/94		100.50	--	15.76	--	84.74	--	--	**130,000**	**21,000**	**43,000**	**2,100**	**13,000**	--	--
4/26/94		100.50	--	15.29	--	85.21	--	--	**200,000**	**20,000**	**37,000**	**3,100**	**16,000**	--	--
7/20/94		100.50	--	16.39	--	84.11	--	--	**240,000**	**26,000**	**41,000**	**4,000**	**24,000**	--	--
10/18/94		100.50	19.65	21.89	2.24	80.40	--	--	--	--	--	--	--	--	--
2/1/95		100.50	19.00	20.75	1.75	81.15	--	--	--	--	--	--	--	--	--
7/12/95		100.50	--	16.48	--	84.02	--	--	**100,000**	**12,000**	**21,000**	**1,500**	**12,000**	--	--
1/4/96		100.50	--	15.01	--	85.49	--	--	**1,100,000**	ND	ND	**1,800**	**37,000**	--	--
1/7/97		100.50	16.70	16.70	Sheen	83.80	--	--	**471,000**	**9,700**	**21,500**	**3,210**	**34,600**	--	--
2/12/98		100.50	--	16.30	--	84.20	--	--	**176,000**	**17,200**	**27,700**	**2,270**	**21,400**	--	--
5/31/99	NP	100.50	--	16.33	0.00	84.17	--	--	**131,000**	**4,680**	**14,500**	**1,510**	**22,400**	--	--
6/8/00		100.50	17.19	17.19	Sheen	83.31	--	--	**153,000**	**12,500**	**24,300**	**2,680**	**25,800**	ND[1]	--
1/30/01		100.50	18.34	18.31	0.03	82.15	--	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--
4/11/01		100.50	--	17.11	0.00	83.39	--	--	**219,000**	**15,200**	**23,700**	**2,420**	**27,900**	--	--
7/28/01		100.50	--	16.78	0.00	83.72	--	--	**170,000**	**12,400**	**23,100**	**2,370**	**27,100**	--	--
10/15/01		100.50	--	16.96	0.00	83.54	--	--	**168,000**	**12,300**	**21,200**	**2,010**	**25,300**	--	--
1/5/02		100.50	--	15.54	0.00	84.96	--	--	**131,000**	**9,870**	**17,500**	**1,810**	**24,300**	--	--
NOT MONITORED/SAMPLED			--	--	--	--	--	--	--	--	--	--	--	--	--
12/17-18/09		100.50	--	16.69	0.00	83.81	**9,300**	**1,700**	**200,000**	**4,100**	**4,700**	620	**18,000**	<50	--
3/17/10		100.50	--	15.98	0.00	84.52	**25,000**	<3,500	**200,000**	**4,300**	**7,200**	**980**	**19,000**	<50	--
06/22-23/10		100.50	--	15.29	0.00	85.21	**48,000**	**6,500**	**140,000**	**3,000**	**5,300**	610	**18,000**	<130	--
9/13/10		100.50	--	17.29	0.00	83.21	**7,500**	<730	**130,000**	**10,000**	**17,000**	**1,800**	**17,000**	<500	--

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Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	THP-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)
MW-12 (cont)															
12/20/10		100.50	--	17.27	0.00	83.23	**3,900**	<360	**120,000**	**8,800**	**12,000**	**1,600**	**12,000**	**230**	--
6/16/11		100.50	--	17.11	0.00	83.39	**2,800**	<350	**110,000**	**7,400**	**13,000**	**1,500**	**15,000**	<500	--
9/23/11		100.50	--	18.17	0.00	82.33	**1,300**	460	**130,000**	**14,000**	**21,000**	**2,400**	**17,000**	**270**	--
1/14/12		100.50	18.40	18.62	0.22	82.06	--	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--
MW-13															
2/19/90		99.01	--	--	--	--	--	--	ND	ND	45	78	176	--	--
4/12/91		99.01	--	--	--	--	--	--	3,100	5.9	13	79	140	--	--
6/28/91		99.01	--	--	--	--	--	--	2,300	30	6.9	100	120	--	--
9/18/91		99.01	--	--	--	--	--	--	3,700	14	6.9	50	94	--	--
12/3/91		99.01	--	--	--	--	--	--	2,500	26	5.6	110	85	--	--
2/25/92		99.01	--	--	--	--	--	--	2,400	27	ND	91	89	--	--
5/15/92		99.01	--	--	--	--	--	--	650	6.3	0.83	24	15	--	--
7/31/92		99.01	--	15.38	--	83.63	--	--	--	--	--	--	--	--	--
8/18/92		99.01	--	15.35	--	83.66	--	--	2,900	1.9	2.1	35	15	--	--
9/25/92		99.01	--	15.68	--	83.33	--	--	--	--	--	--	--	--	--
2/23/93		99.01	--	15.38	--	83.63	--	--	2,100	4.6	3.6	31	35	--	--
5/13/93		99.01	--	15.01	--	84.00	--	--	**2,400**	**21**	ND	160	140	--	--
8/18/93		99.01	--	14.92	--	84.09	--	--	**1,800**	3.5	1.9	25	20	--	--
11/10/93		99.01	--	15.45	--	83.56	--	--	**1,700**	**7.8**	2.0	14	21	--	--
2/3/94		99.01	--	15.27	--	83.74	--	--	**2,300**	4.7	4.2	47	53	--	--
4/26/94		99.01	--	14.75	--	84.26	--	--	**3,100**	**15**	5.2	73	45	--	--
7/20/94		99.01	--	15.23	--	83.78	--	--	**3,200**	**5.3**	6.4	140	88	--	--
10/18/94		99.01	--	16.17	--	82.84	--	--	**4,600**	**8.3**	8.9	160	64	--	--
2/1/95		99.01	--	15.86	--	83.15	--	--	**4,900**	**26**	17	120	120	--	--
7/12/95		99.01	--	15.45	--	83.56	--	--	**2,800**	**20**	3.6	98	23	--	--
1/4/96		99.01	--	15.01	--	84.00	--	--	**4,700**	**36**	7.9	170	82	--	--
1/7/97		99.01	--	14.25	--	84.76	--	--	474	ND	ND	ND	2.86	--	--
2/12/98		99.01	--	15.09	--	83.92	--	--	ND	ND	ND	ND	ND	--	--
5/31/99	NP	99.01	--	15.27	0.00	83.74	--	--	ND	0.518	ND	ND	ND	--	--
6/8/00		99.01	--	15.89	0.00	83.12	--	--	--	--	--	--	--	--	--

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Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	THP-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)
MW-13 (cont)															
1/30/01		99.01	--	16.41	0.00	82.60	--	--	**4,060**	**12.2**	5.29	88.2	53.9	--	--
4/11/01		99.01	--	16.44	0.00	82.57	--	--	**4,630**	**7.09**	3.32	116	87.0	--	--
7/28/01		99.01	--	16.49	0.00	82.52	--	--	**4,580**	**8.08**	5.39	99.6	72.2	--	--
10/15/01		99.01	--	16.77	0.00	82.24	--	--	**4,120**	4.74	2.88	38.0	37.3	--	--
1/5/02		99.01	--	15.66	0.00	83.35	--	--	**4,620**	3.40	3.68	61.2	34.3	--	--
4/2/02	NP	99.01	--	15.33	0.00	83.68	--	--	**4,000**	<0.50	<1.0	26	7.2	<5.0	--
7/11/02	NP	99.01	--	15.91	0.00	83.10	--	--	**10,000**	1.5	6.0	31	110	<2.5	--
10/10/02	NP	99.01	--	16.48	0.00	82.53	--	--	**4,600**	2.8	9.9	15	110	<20	--
1/10/03	NP	99.01	--	16.23	0.00	82.78	--	--	**2,500**	<5.0	0.73	0.75	2.2	<20	--
4/21/03	NP	99.01	--	14.81	0.00	84.20	--	--	**2,200**	<5.0	1	1.6	<3.0	<10	--
6/26/03		99.01	15.18	15.20	0.02	83.83	--	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--
10/14/03	NP	99.01	--	16.12	0.00	82.89	--	--	**2,300**	2.1	<1.0	9.3	4.1	<10	--
1/7/04	NP	99.01	--	15.22	0.00	83.79	--	--	**2,300**	<2.0	0.5	3.1	2.1	<5.0	--
4/21/04	NP	99.01	--	14.88	0.00	84.13	--	--	**2,100**	2.5	1.8	48	25	<50	--
7/1/04	NP	99.01	--	15.20	0.00	83.81	--	--	**2,600**	<5.0	1.4	28	14	<5.0	--
10/15/04	NP	99.01	--	15.60	0.00	83.41	--	--	**1,700**	1.8	<1.0	7.9	<9.0	<10	--
1/5/05	NP	99.01	--	15.27	0.00	83.74	--	--	**1,600**	<5.0	0.6	7.0	<3.0	<5.0	--
8/4/05	NP	99.01	--	14.72	0.00	84.29	--	--	**1,200**	1.6	<0.5	1.7	<3.0	<2.5	--
07/26/06	NP	99.01	--	13.90	0.00	85.11	--	--	54	1.8	<0.5	<0.5	<1.5	<2.5	--
7/19/07	NP	99.01	--	13.30	0.00	85.71	--	--	93	1.9	<0.5	<0.5	<1.5	<10	--
7/23/08	NP	99.01	--	14.71	0.00	84.30	--	--	100	<0.5	<0.5	<0.5	<1.5	<2.5	--
7/13/09	NP	99.01	--	12.67	0.00	86.34	--	--	<50	**16**	<0.5	<0.5	<1.5	<2.5	--
12/17-18/09		99.01	--	12.22	0.00	86.79	<29	<67	93	<0.5	<0.5	<0.5	<1.5	<2.5	--
3/17/10		99.01	--	12.13	0.00	86.88	**2,200**	**630**	**4,100**	**58**	<10	5.7	15	4.3	--
06/22-23/10		99.01	--	12.27	0.00	86.74	**700**	<70	**23,000**	**70**	91	470	**4,000**	<25	--
9/13/10		99.01	--	15.57	0.00	83.44	**2,000**	<340	**4,400**	**450**	300	82	100	<13	--
12/21/10		99.01	--	15.77	0.00	83.24	**910**	270	**3,900**	**290**	55	69	68	**34**	--
6/16/11		99.01	--	15.43	0.00	83.58	**2,000**	<350	**4,900**	**210**	12	74	89	<50	--
9/23/11		99.01	--	16.25	0.00	82.76	**730**	<69	**4,500**	**190**	8.8	80	85	<50	--
1/14/12		99.01	--	16.55	0.00	82.46	**1,700**	140	**4,300**	**160**	8.2	78	60	**38**	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
CHEVRON SERVICE STATION NO. 9-0129
4700 Brooklyn Avenue
Seattle, Washington
Concentrations reported in µg/L unless otherwise noted

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	THP-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)
MW-14															
2/19/90		99.53	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--
4/12/91		99.53	--	--	--	--	--	--	ND	7.2	13	75	130	--	--
6/28/91		99.53	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--
9/18/91		99.53	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--
12/3/91		99.53	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--
2/25/92		99.53	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--
5/15/92		99.53	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--
7/31/92		99.53	--	18.08	--	81.45	--	--	--	--	--	--	--	--	--
8/18/92		99.53	--	18.19	--	81.34	--	--	ND	ND	ND	ND	ND	--	--
9/25/92		99.53	--	18.10	--	81.43	--	--	--	--	--	--	--	--	--
2/23/93		99.53	--	--	--	--	--	--	--	--	--	--	--	--	--
5/12/93		99.53	--	--	--	--	--	--	--	--	--	--	--	--	--
8/18/93		99.53	--	--	--	--	--	--	--	--	--	--	--	--	--
11/10/93		99.53	--	--	--	--	--	--	--	--	--	--	--	--	--
2/3/94		99.53	--	--	--	--	--	--	--	--	--	--	--	--	--
4/26/94		99.53	--	--	--	--	--	--	--	--	--	--	--	--	--
7/20/94		99.53	--	--	--	--	--	--	--	--	--	--	--	--	--
10/18/94		99.53	--	--	--	--	--	--	--	--	--	--	--	--	--
2/1/95		99.53	--	18.72	--	80.81	--	--	--	--	--	--	--	--	--
7/12/95		99.53	--	18.54	--	80.99	--	--	ND	ND	ND	ND	ND	--	--
1/4/96		99.53	--	18.28	--	81.25	--	--	ND	ND	ND	ND	ND	--	--
1/7/97		99.53	--	--	--	--	--	--	--	--	--	--	--	--	--
2/12/98		99.53	--	--	--	--	--	--	--	--	--	--	--	--	--
5/31/99		99.53	--	--	--	--	--	--	--	--	--	--	--	--	--
6/8/00		99.53	--	--	--	--	--	--	--	--	--	--	--	--	--
1/30/01		99.53	--	--	--	--	--	--	--	--	--	--	--	--	--
4/11/01		99.53	--	18.75	--	80.78	--	--	<50.0	<0.500	<0.500	0.520	2.22	--	--
7/28/01		99.53	--	19.23	--	80.30	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
10/15/01		99.53	--	19.45	--	80.08	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
1/5/02		99.53	--	17.21	--	82.32	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
CHEVRON SERVICE STATION NO. 9-0129
4700 Brooklyn Avenue
Seattle, Washington
Concentrations reported in µg/L unless otherwise noted

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	THP-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)
MW-14 (cont)															
4/2/02		99.53	--	16.63	--	82.90	--	--	--	--	--	--	--	--	--
7/11/02		99.53	--	18.52	--	81.01	--	--	--	--	--	--	--	--	--
10/10/02		99.53	--	18.96	--	80.57	--	--	--	--	--	--	--	--	--
1/10/03		99.53	--	18.55	--	80.98	--	--	--	--	--	--	--	--	--
4/21/03		99.53	--	17.13	--	82.40	--	--	--	--	--	--	--	--	--
6/26/03		99.53	--	17.52	--	82.01	--	--	--	--	--	--	--	--	--
10/14/03		99.53	--	18.42	--	81.11	--	--	--	--	--	--	--	--	--
1/7/04		99.53	--	17.51	--	82.02	--	--	--	--	--	--	--	--	--
4/21/04		99.53	--	17.11	--	82.42	--	--	--	--	--	--	--	--	--
7/1/04		99.53	--	17.50	--	82.03	--	--	--	--	--	--	--	--	--
10/15/04		99.53	--	17.53	--	82.00	--	--	--	--	--	--	--	--	--
1/5/05		99.53	--	17.41	--	82.12	--	--	--	--	--	--	--	--	--
8/4/05		99.53	--	17.12	--	82.41	--	--	--	--	--	--	--	--	--
07/26/06		99.53	--	17.00	--	82.53	--	--	--	--	--	--	--	--	--
7/19/07		99.53	--	16.98	--	82.55	--	--	--	--	--	--	--	--	--
7/23/08		99.53	--	16.56	--	82.97	--	--	--	--	--	--	--	--	--
7/13/09		99.53	--	15.57	--	83.96	--	--	--	--	--	--	--	--	--
12/17-18/09		99.53	--	15.56	--	83.97	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
3/17/10		99.53	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--
06/22-23/10		99.53	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--
9/13/10		99.53	--	17.79	--	81.74	<29	130	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
12/21/10		99.53	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--
6/16/11		99.53	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--
9/23/11		99.53	--	18.55	--	80.98	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
1/14/12		99.53	--	18.90	--	80.63	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
MW-15															
03/08/01		98.83	--	16.80	--	82.03	--	--	--	--	--	--	--	--	--
4/11/01		98.83	--	17.09	--	81.74	--	--	<50.0	0.714	<0.500	<0.500	<1.00	--	<0.00100
7/28/01		98.83	--	16.99	--	81.84	--	--	<50.0	0.655	<0.500	<0.500	<1.00	--	0.00221
10/15/01		98.83	--	17.10	--	81.73	--	--	<50.0	0.589	<0.500	<0.500	<1.00	--	<0.00100[4]

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CHEVRON SERVICE STATION NO. 9-0129
4700 Brooklyn Avenue
Seattle, Washington
Concentrations reported in µg/L unless otherwise noted

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	THP-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)
MW-15 (cont)															
1/5/02		98.83	--	16.26	--	82.57	--	--	62.3	1.24	<0.500	<0.500	<1.00	--	<0.00100
4/2/02		98.83	--	15.70	--	83.13	--	--	--	--	--	--	--	--	--
7/11/02		98.83	--	16.06	--	82.77	--	--	--	--	--	--	--	--	--
10/10/02		98.83	--	16.46	--	82.37	--	--	--	--	--	--	--	--	--
1/10/03		98.83	--	16.14	--	82.69	--	--	--	--	--	--	--	--	--
4/21/03		98.83	--	15.63	--	83.20	--	--	--	--	--	--	--	--	--
6/26/03		98.83	--	16.07	--	82.76	--	--	--	--	--	--	--	--	--
10/14/03		98.83	--	16.11	--	82.72	--	--	--	--	--	--	--	--	--
1/7/04		98.83	--	15.23	--	83.60	--	--	--	--	--	--	--	--	--
4/21/04		98.83	--	15.60	--	83.23	--	--	--	--	--	--	--	--	--
7/1/04		98.83	--	16.04	--	82.79	--	--	--	--	--	--	--	--	--
10/15/04		98.83	--	16.09	--	82.74	--	--	--	--	--	--	--	--	--
1/5/05		98.83	--	15.92	--	82.91	--	--	--	--	--	--	--	--	--
8/4/05		98.83	--	15.59	--	83.24	--	--	--	--	--	--	--	--	--
07/26/06		98.83	--	15.46	--	83.37	--	--	--	--	--	--	--	--	--
7/19/07		98.83	--	16.30	--	82.53	--	--	--	--	--	--	--	--	--
7/23/08		98.83	--	16.38	--	82.45	--	--	--	--	--	--	--	--	--
7/13/09		98.83	--	15.35	--	83.48	--	--	--	--	--	--	--	--	--
12/17-18/09		98.83	--	15.58	--	83.25	400	320	<50	0.8	<0.5	<0.5	<1.5	5.6	--
3/17/10		98.83	--	15.25	--	83.58	48	<70	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
06/22-23/10		98.83	--	14.69	--	84.14	42	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
9/13/10		98.83	--	16.54	--	82.29	<29	91	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
12/21/10		98.83	--	16.58	--	82.25	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
6/16/11		98.83	--	16.66	--	82.17	47	110	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
9/23/11		98.83	--	17.37	--	81.46	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
1/14/12		98.83	--	17.60	--	81.23	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
MW-16															
03/08/01		97.80	--	16.40	--	81.40	--	--	--	--	--	--	--	--	--
4/11/01		97.80	INACCESSIBLE - CAR PARKED OVER WELL					--	--	--	--	--	--	--	--
6/14/01		97.80	--	16.71	--	81.09	--	--	**2,950**	**52.7**	14.4	217	123	**34.1**/<5.00[6]	<0.00100

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Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	THP-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)
MW-16 (cont)															
7/28/01		97.80	--	16.81	--	80.99	--	--	**1,620**	**46.5**	13.5	122	112	--/<5.0[6]	0.00332
10/15/01		97.80	--	17.00	--	80.80	--	--	**3,380**	**111**	28.5	257	211	--/<0.500[6]	<0.00100[4]
1/5/02		97.80	--	16.46	--	81.34	--	--	**3,300**	**109**	18.2	247	214	--/<5.00[6]	<0.00100
4/2/02	NP	97.80	--	16.32	--	81.48	--	--	**3,900**	**97**	17	230	190	<2.5	--
7/11/02	NP	97.80	--	16.50	--	81.30	--	--	**2,900**	**54**	12	160	120	<6.0	--
10/10/02	NP	97.80	--	16.89	--	80.91	--	--	**2,500**	**55**	7.6	140	88	<20	--
1/10/03	NP	97.80	--	16.84	--	80.96	--	--	**3,000**	**61**	8.2	140	92	<50	--
4/21/03	NP	97.80	--	15.82	--	81.98	--	--	**2,500**	**57**	6.6	110	97	<5.0	--
6/26/03	NP	97.80	--	16.11	--	81.69	--	--	**3,900**	**86**	10	180	160	<10	--
10/14/03	NP	97.80	--	16.49	--	81.31	--	--	**3,800**	**60**	9.0	150	130	<10	--
1/7/04		97.80	INACCESSIBLE - WELL FROZEN SHUT					--	--	--	--	--	--	--	--
4/21/04	NP	97.80	--	15.81	--	81.99	--	--	**2,200**	**54**	9.9	110	120	<10	--
7/1/04	NP	97.80	--	16.09	--	81.71	--	--	**3,900**	**92**	16	190	180	<10	--
10/15/04	NP	97.80	--	16.11	--	81.69	--	--	**2,000**	**61**	7.1	120	100	<20	--
1/5/05	NP	97.80	--	15.98	--	81.82	--	--	**2,300**	**65**	8.4	120	110	<10	--
8/4/05	NP	97.80	--	15.81	--	81.99	--	--	**3,900**	**89**	17	220	200	<5.0	--
07/26/06	NP	97.80	--	14.95	--	82.85	--	--	**9,100**	**19**	13	290	560	<50	--
7/19/07	NP	97.80	--	14.28	--	83.52	--	--	140	2.0	0.5	1.5	3.8	<10	--
7/23/08	NP	97.80	--	15.11	--	82.69	--	--	230	1.5	0.6	15	2.1	<2.5	--
7/13/09	NP	97.80	--	13.50	--	84.30	--	--	490	1.9	0.8	2.3	10	<5.0	--
12/17-18/09		97.80	--	13.24	--	84.56	77	<71	**6,600**	**11**	8.5	200	320	<20	--
3/17/10		97.80	--	13.26	--	84.54	<140	390	**2,100**	**9.2**	5.2	41	77	13	--
06/22-23/10		97.80	--	13.15	--	84.65	91	<69	**3,000**	**53**	12	98	130	<20	--
9/13/10		97.80	--	15.50	--	82.30	380	170	**6,500**	**150**	48	260	120	<20	--
12/21/10		97.80	--	15.54	--	82.26	200	<71	**6,000**	**300**	68	350	95	**66**	--
6/16/11		97.80	--	15.34	--	82.46	230	180	**4,800**	**370**	57	350	70	<50	--
9/23/11		97.80	--	16.00	--	81.80	62	<71	**4,400**	**580**	80	390	120	**31**	--
1/14/12		97.80	--	16.25	--	81.55	32	<68	**4,000**	**500**	27	360	46	**53**	--

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Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	THP-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)
TRIP BLANK															
2/12/98		--	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--
5/31/99		--	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--
6/8/00		--	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--
1/30/01		--	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--
4/11/01		--	--	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
7/28/01		--	--	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
10/15/01		--	--	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
1/5/02		--	--	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--	--
4/2/02		--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
QA															
7/11/02		--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
10/10/02		--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
01/10/03[5]		--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/21/03		--	--	--	--	--	--	--	<50	<0.5	0.9	<0.5	<1.5	<2.5	--
6/26/03		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
10/14/03		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
1/7/04		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
4/21/04		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
7/1/04		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
10/15/04		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
1/5/05		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
8/4/05		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
07/26/06		--	--	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--
7/19/07		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
7/23/08		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
7/13/09		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
12/17-18/09		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
3/17/10		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
06/22-23/10		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--

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Seattle, Washington
Concentrations reported in µg/L unless otherwise noted

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	THP-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)
QA (cont)															
9/13/10		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
12/21/10		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
6/16/11		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
9/23/11		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
1/14/12		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
Standard Method Detection Limit:							--	--	50	0.5	0.5	0.5	1.5	2.5	0.00100
MTCA Method A CULs:							500	500	800/1,000	5	1,000	700	1,000	20	--
Current Method:[7]							NWTPH-Dx[8]		NWTPH-Gx, BTEX, and MTBE by USEPA 8021B						USEPA 6000/7000

Abbreviations:

BTEX = benzene, toluene, ethylbenzene, and xylenes
CULs = Cleanup levels
(D) = Duplicate
DTW/P = Depth to Water or Product
(ft.) = Feet
GC/MS = Gas chromatography/mass spectrometry
GWE = Groundwater Elevation
mg/L = milligrams per liter
MTBE = Methyl tertiary butyl ether
MTCA = Model Toxics Control Act
ND = Not Detected
NP = No Purge
QA = Quality Assurance/Trip Blank
SPH = Separate-phase hydrocarbons
SPHT = SPH Thickness
TOC = Top of Casing
TPH = Total Petroleum Hydrocarbons
TPH-DRO = TPH as diesel-range organics
TPH-GRO = TPH as gasoline-range organics
TPH-HRO = TPH as heavy oil-range organics
USEPA = United States Environmental Protection Agency
µg/L = Micrograms per liter
-- = Not Measured/Not Analyzed

Notes:

1 Analytical results in bold font indicate concentrations exceed MTCA Method A cleanup levels.
2 TOC elevations have been surveyed as feet relative to an arbitrary site datum.
3 When SPH is present, GWE has been corrected using the following formula: GWE = [(TOC - DTW) + (SPHT x 0.80)].
4 Laboratory report indicates this sample was laboratory filtered.
5 Laboratory indicates they did not receive a QA sample. No results were provided.
6 MTBE by USEPA Method 8260.
7 Laboratory analytical methods for historical data may not be consistent with list of current analytical methods. When necessary, consult original laboratory reports to verify methods used.
8 Analyzed with silica-gel clean up.

Attachment A:
Groundwater Monitoring and Sampling Data Package

GETTLER-RYAN INC.

TRANSMITTAL

January 19, 2012
G-R #386649

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: Chevron Service Station
#9-0129
4700 Brooklyn Avenue
Seattle, Washington

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **Fourth Quarter Event of January 14, 2012**

COMMENTS:

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

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

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

trans/9-0129

GETTLER-RYAN INC.

CHEVRON - SITE CHECK LIST

Facility#:	**Chevron #9-0129**	Date:	1.14.12
Address:	**4700 Brooklyn Avenue**		
City/St.:	**Seattle, WA**		
Status of Site:	ACTIVE CHEVRON		

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

#	Description	Condition	Labeling	Contents	Location
	No Dm's				

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

Well ID	Gaskets (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Well Plug Y / N	Well Lock Y / N	Well Box Manufacturer/Size/# of Bolts	Other
MW-1	GOOD				8" MORRIS x3	VERIFY
MW-2	GOOD				12" EMCO x2	
MW-3	GOOD				12" EMCO x2	
MW-4	GOOD				12" EMCO x2	
MW-5	GOOD				8" UNIVERSAL x2	
MW-6	GOOD				8" MORRIS x3	
MW-7	GOOD				8" MORRIS x3	
MW-8	GOOD				8" MORRIS x3	
MW-9	GOOD				8" UNIVERSAL x2	
MW-10	GOOD				8" UNIVERSAL x2	
MW-11	GOOD				8" MORRIS x3	
MW-12	GOOD				8" MORRIS x3	
MW-13	GOOD				8" UNIVERSAL x2	
MW-14	GOOD	GOOD	R	R	~~8" MORRIS x3~~ 12" EMCO x2	
MW-15	GOOD	GOOD	R	R	8" MORRIS x3	
MW-16	GOOD	GOOD	R	R	8" MORRIS x3	

Additional Comments/Observations: SNOW & ICE!
MW-1 has a PVC cap on casing.

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

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

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

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

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

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

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0129 Job Number: 386649
Site Address: 4700 Brooklyn Avenue Event Date: 1.14.12 (inclusive)
City: Seattle, WA Sampler: J. Payne

Well ID MW-1 Date Monitored: 1.14.12
Well Diameter 4 in.
Total Depth — ft.
Depth to Water — 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)

LABORATORY INFORMATION

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

COMMENTS: MW-1 HAS A PVC CAP ON CASING, GLUED ON, INACCESSIBLE

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0129 Job Number: 386649
Site Address: 4700 Brooklyn Avenue Event Date: 1.14.12 (inclusive)
City: Seattle, WA Sampler: J. PAYNE

Well ID MW-2 Date Monitored: 1.14.12
Well Diameter 2 in.
Total Depth 19.80 ft.
Depth to Water 18.60 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.

1.20 xVF .17 = .20 x3 case volume = Estimated Purge Volume: 1 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 18.84

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

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

Start Time (purge): 0810 Weather Conditions: RAIN / SNOW
Sample Time/Date: 0840 / 1.14.12 Water Color: CLOUDY Odor: Y / N MILD
Approx. Flow Rate: — gpm. Sediment Description: GREY
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 18.60

Time (2400 hr.)	Volume (gal.)	pH	~~Conductivity~~ (~~µmhos/cm~~ µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0816	1	6.30	.624	12.3	5.74	190

LABORATORY INFORMATION

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

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0129 Job Number: 386649
Site Address: 4700 Brooklyn Avenue Event Date: 1.14.17 (inclusive)
City: Seattle, WA Sampler: J.PAYNE

Well ID MW-3 Date Monitored: 1.14.17
Well Diameter 2 ~~in.~~
Total Depth ~~19.00~~ ft. 23.16
Depth to Water ~~23.16~~ ft. 19.92 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

4.10 xVF .17 = .69 x3 case volume = Estimated Purge Volume: 2 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 19.82

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): 0940 Weather Conditions: RAIN. SNOW
Sample Time/Date: 1010 / 1.14.17 Water Color: BLACK Odor (Y) / N STRONG
Approx. Flow Rate: — gpm. Sediment Description: GREY · BLACK
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 19.25

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (~~µmhos/cm~~ µS) MS	Temperature (C) / F	D.O. (mg/L)	ORP (mV)
0940	1	6.24	.585	13.9	2.3	267
0956	2	6.24	.585	13.6	2.2	265

LABORATORY INFORMATION

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

COMMENTS: 12" ENCO KZ

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0129 | Job Number: 386649
Site Address: 4700 Brooklyn Avenue | Event Date: 1.14.12 (inclusive)
City: Seattle, WA | Sampler: J. Payne

Well ID: MW-4 | Date Monitored: 1.14.12
Well Diameter: 2 in.
Total Depth: 21.40 ft.
Depth to Water: 18.65 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

2.75 xVF .17 = .46 x3 case volume = Estimated Purge Volume: 2 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 19.20

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): 0730 | Weather Conditions: Rain - Snow
Sample Time/Date: 0800 / 1.14.12 | Water Color: cloudy | Odor (Y) / N | mild
Approx. Flow Rate: — gpm. | Sediment Description: greyish - black
Did well de-water? NO | If yes, Time: — | Volume: — gal. | DTW @ Sampling: 19.75

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (~~umhos/cm~~ µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0736	1	6.25	.602	13.6	8.06	237
0745	2	6.25	.602	13.4	7.9	236

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS: 12" EMCO x1

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0129 Job Number: 386649
Site Address: 4700 Brooklyn Avenue Event Date: 1.14.12 (inclusive)
City: Seattle, WA Sampler: J. Payne

Well ID MW-5 Date Monitored: 1.14.12
Well Diameter 2 in.
Total Depth 21.40 ft.
Depth to Water 19.90 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.

2.50 xVF .17 = .42 x3 case volume = Estimated Purge Volume: 2 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 19.40

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

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

Start Time (purge): 0900 Weather Conditions: Rain · Snow
Sample Time/Date: 0930 / 1.14.12 Water Color: cloudy Odor (Y) N mild
Approx. Flow Rate: — gpm. Sediment Description: grey
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 19.90

Time (2400 hr.)	Volume (gal.)	pH	Conductivity ~~(umhos/cm - µS)~~ mS	Temperature (C) F	D.O. (mg/L)	ORP (mV)
0900	1	6.30	.588	12.9	.49	192
0915	2	6.31	.586	13.0	.48	190

LABORATORY INFORMATION

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

COMMENTS: 8" Universal x2

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0129 Job Number: 386649
Site Address: 4700 Brooklyn Avenue Event Date: 1.14.12 (inclusive)
City: Seattle, WA Sampler: J. PAYNE

Well ID MW-6 Date Monitored: 1.14.12
Well Diameter 2 in.
Total Depth 21.30 ft.
Depth to Water 21.10 ft.

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

☑ Check if water column is less then 0.50 ft.

.20 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)

LABORATORY INFORMATION

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

COMMENTS: INSUFFICIENT WATER COLUMN / NO SAMPLE COLLECTED

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0129 Job Number: 386649
Site Address: 4700 Brooklyn Avenue Event Date: 1.14.12 (inclusive)
City: Seattle, WA Sampler: J. Payne

Well ID MW-7 Date Monitored: 1.14.12
Well Diameter 2 in.
Total Depth 20.66 ft.
Depth to Water 17.80 ft.
2.86 xVF .17 = .48 x3 case volume = Estimated Purge Volume: 2 gal.

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

☐ Check if water column is less then 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 18.37

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): 1230 Weather Conditions: Rain / Snow
Sample Time/Date: 1300 1.14.12 Water Color: cloudy Odor: (Y) / N mild
Approx. Flow Rate: — gpm. Sediment Description: grey
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 18.00

Time (2400 hr.)	Volume (gal.)	pH	Conductivity ~~(µmhos/cm µS)~~ mS	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1240	1	6.32	.484	12.7	.24	92
1248	2	6.32	.480	12.4	.20	90

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0129 Job Number: 386649
Site Address: 4700 Brooklyn Avenue Event Date: 1.14.12 (inclusive)
City: Seattle, WA Sampler: J.P

Well ID MW-8 Date Monitored: 1.14.12
Well Diameter 2 in.
Total Depth 21.30 ft.
Depth to Water DRY 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)

LABORATORY INFORMATION

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

COMMENTS: NO WATER PRESENT

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0129 Job Number: 386649
Site Address: 4700 Brooklyn Avenue Event Date: 1.14.12 (inclusive)
City: Seattle, WA Sampler: J.P

Well ID MW-9 Date Monitored: 1.14.12
Well Diameter 2 in.
Total Depth 21.30 ft.
Depth to Water 17.55 ft.

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

☐ Check if water column is less then 0.50 ft.

3.75 xVF .17 = .63 x3 case volume = Estimated Purge Volume: 2 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 18.30

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: RAIN SNOW
Sample Time/Date: 1130 / 1.14.12 Water Color: CLOUDY Odor: Y / N
Approx. Flow Rate: — gpm. Sediment Description: GREY
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 18.00

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (~~µmhos/cm~~ µS)	Temperature (C) F	D.O. (mg/L)	ORP (mV)
1110	1	6.16	.273	14.4	2.8	223
1118	2	6.15	.272	14.2	2.8	222

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-9	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	2 ~~x1~~ liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS: 8" UNIVERSAL x2

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0129 Job Number: 386649

Site Address: 4700 Brooklyn Avenue Event Date: 1.14.12 (inclusive)

City: Seattle, WA Sampler: J. PAYNE

Well ID MW-10 Date Monitored: 1.14.12

Well Diameter 2 in.

Total Depth 21.40 ft.

Depth to Water 17.20 ft.

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

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

☐ Check if water column is less then 0.50 ft.

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

Purge Equipment:

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

Sampling Equipment:

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

Time Started: 0630 (2400 hrs)
Time Completed: 0640 (2400 hrs)
Depth to Product: 16.90 ft
Depth to Water: 17.20 ft
Hydrocarbon Thickness: .30 ft
Visual Confirmation/Description: YELLOW/GRAY TO CLEAR
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: 0 gal
Amt Removed from Well: 0 gal
Water Removed:
Product Transferred to: 0

Start Time (purge): Weather Conditions:

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

Approx. Flow Rate: gpm. Sediment Description:

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

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

LABORATORY INFORMATION

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

COMMENTS: SPH PRESENT W/SOCK

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0129 Job Number: 386649
Site Address: 4700 Brooklyn Avenue Event Date: 1.14.12 (inclusive)
City: Seattle, WA Sampler: J.P

Well ID MW-11 Date Monitored: 1.14.12
Well Diameter 2 in.
Total Depth 22.30 ft.
Depth to Water 16.50 ft.
5.80 xVF ___ = ___ x3 case volume = Estimated Purge Volume: ___ gal.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: ___

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

☐ Check if water column is less then 0.50 ft.

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

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

Time Started: 0950 (2400 hrs)
Time Completed: 0000 (2400 hrs)
Depth to Product: 16.25 ft
Depth to Water: 16.50 ft
Hydrocarbon Thickness: .25 ft
Visual Confirmation/Description: YELLOWISH TO CLEAR
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: 0 gal
Amt Removed from Well: 0 gal
Water Removed: 0
Product Transferred to: 0

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

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

LABORATORY INFORMATION

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

COMMENTS: 3PH PRESENT W/ SOCK

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0129 | Job Number: 386649
Site Address: 4700 Brooklyn Avenue | Event Date: 1.14.12 (inclusive)
City: Seattle, WA | Sampler: J. PAYNE

Well ID MW-12 | Date Monitored: 1.14.12
Well Diameter 2 in.
Total Depth 21.10 ft.
Depth to Water ~~18.67~~ ft.
2.48 2.45 xVF ___ = ___ x3 case volume = Estimated Purge Volume: ___ gal.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: ___

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

☐ Check if water column is less then 0.50 ft.

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

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

Time Started: 0900 (2400 hrs)
Time Completed: 1013 (2400 hrs)
Depth to Product: 18.40 ft
Depth to Water: 18.67 ft
Hydrocarbon Thickness: .27 ft
Visual Confirmation/Description: YELLOWISH TO CLEAR
~~Skimmer / Absorbant Sock (circle one)~~
Amt Removed from Skimmer: 0 gal
Amt Removed from Well: 0 gal
Water Removed: 0
Product Transferred to: 0

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

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

LABORATORY INFORMATION

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

COMMENTS: SPH PRESENT / NO SOCK

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0129 Job Number: 386649
Site Address: 4700 Brooklyn Avenue Event Date: 1.14.12 (inclusive)
City: Seattle, WA Sampler: J. PAYNE

Well ID MW-13 Date Monitored: 1.14.12
Well Diameter 2 in.
Total Depth 19.30 ft.
Depth to Water 16.55 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.

2.75 xVF .17 = .27 x3 case volume = Estimated Purge Volume: 1 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 17.10

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): 1140 Weather Conditions: RAIN - SNOW
Sample Time/Date: 1210 / 1.14.12 Water Color: CLEAR Odor: Y (N)
Approx. Flow Rate: — gpm. Sediment Description: NONE
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 17.00

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (~~umhos/cm~~ mS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1152	1	6.30	.586	12.2	.72	122

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-13	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS: READINGS NOT STABILIZING!

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0129 Job Number: 386649
Site Address: 4700 Brooklyn Avenue Event Date: 1.14.12 (inclusive)
City: Seattle, WA Sampler: J.P

Well ID MW-14 Date Monitored: 1.14.12
Well Diameter 2 in.
Total Depth 23.06 ft.
Depth to Water 18.90 ft.

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

☐ Check if water column is less then 0.50 ft.

4.16 xVF .17 = .71 x3 case volume = Estimated Purge Volume: 2 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 19.73

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): 1430 Weather Conditions: RAIN - SNOW
Sample Time/Date: 1500 / 1.14.12 Water Color: CLEAR Odor: Y / (N)
Approx. Flow Rate: — gpm. Sediment Description: NONE
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 19.20

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (~~umhos/cm~~ mS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1440	1	6.48	.560	12.4	.78	162
1450	2	6.40	.561	12.3	.78	162

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-14	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0129 Job Number: 386649
Site Address: 4700 Brooklyn Avenue Event Date: 1.14.12 (inclusive)
City: Seattle, WA Sampler: J. PAYNE

Well ID MW-15 Date Monitored: 1.14.12
Well Diameter 2 in.
Total Depth 24.60 ft.
Depth to Water 17.60 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.

7.00 xVF .17 = 1.1 x3 case volume = Estimated Purge Volume: 4 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 19.00

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): 1330 Weather Conditions: RAIN SNOW
Sample Time/Date: 1400 / 1.14.12 Water Color: CLEAR Odor: Y (N)
Approx. Flow Rate: — gpm. Sediment Description: NONE
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 18.40

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (~~µmhos/cm~~ mS)	Temperature (C) F)	D.O. (mg/L)	ORP (mV)
1340	2	6.12	.272	14.2	9.27	218
1350	3	6.12	.270	14.0	2.1	210
1355	4	6.12	.272	13.7	2.1	211

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-15	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS: D.O READINGS WAIT STABILIZE

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0129 | Job Number: 386649
Site Address: 4700 Brooklyn Avenue | Event Date: 1.14.12 (inclusive)
City: Seattle, WA | Sampler: J.P

Well ID: MW-16 | Date Monitored: 1.14.12
Well Diameter: 2 in.
Total Depth: 24.50 ft.
Depth to Water: 16.25 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.

8.25 xVF .17 = 1.4 x3 case volume = Estimated Purge Volume: 5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 17.90

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

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

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): 1530 | Weather Conditions: SNOW · RAIN
Sample Time/Date: 1600 1.14.12 | Water Color: CLEAR | Odor: Y / (N)
Approx. Flow Rate: — gpm. | Sediment Description: NONE
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 17.00

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (~~umhos/cm~~ mS/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1540	3	6.76	.512	12.3	1.4	208
1550	4	6.74	.514	12.0	1.3	202
1555	5	6.74	.514	12.0	1.4	202

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-16	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS:

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

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

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

SCR #: _____

Facility #: SS#9-0129-OML G-R#386649 WBS: _____

Site Address: 4700 Brooklyn Avenue, SEATTLE, WA

Chevron PM: MGA Lead Consultant: SAICML Lange

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

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

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

Sampler: J. PAYNE

Sample Identification	Date Collected	Time Collected	Matrix: Grab	Composite	Soil	Water (Potable / NPDES)	Oil / Air	Total Number of Containers	Analyses Requested: BTEX + MTBE 8021 / 8260 Naphth	8260 full scan	Oxygenates	NWTPH GX	NWTPH DX / Silica Gel Cleanup	Lead / Total / Diss. / Method	WAVPH / WAEPH	NWTPH H HCID / quantification
QA	1.14.12		x			x		1	x			x				
MW-2		0840	x			x		5	x			x	x			
MW-3		1010	x			x		5	x			x	x			
MW-4		0900	x			x		5	x			x	x			
MW-5		0930	x			x		5	x			x	x			
MW-7		1300	x			x		5	x			x	x			
MW-9		1130	x			x		5	x			x	x			
MW-13		1210	x			x		5	x			x	x			
MW-14		0930	x			x		5	x			x	x			
MW-15		1400	x			x		5	x			x	x			
MW-16		1600	x			x		5	x			x	x			

Preservation Codes

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

Comments /Remarks

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

MW-14 - 1500

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)

Relinquished by:	Date	Time	Received by:	Date	Time
	1.17.12	1500			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS FedEx Other _____			Received by:	Date	Time
Temperature Upon Receipt _____ C°			Custody Seals Intact? Yes No		

Attachment B:
Laboratory Analysis Report

eurofins | 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 16, 2012

Project: 90129

Submittal Date: 01/18/2012
Group Number: 1285519
PO Number: 0015080810
Release Number: BAUHS
State of Sample Origin: WA

Client Sample Description	Lancaster Labs (LLI) #
QA Water Sample	6524711
MW-2 Grab Water Sample	6524712
MW-3 Grab Water Sample	6524713
MW-4 Grab Water Sample	6524714
MW-5 Grab Water Sample	6524715
MW-7 Grab Water Sample	6524716
MW-9 Grab Water Sample	6524717
MW-13 Grab Water Sample	6524718
MW-14 Grab Water Sample	6524719
MW-15 Grab Water Sample	6524720
MW-16 Grab Water Sample	6524721

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

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

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

Respectfully Submitted,

Susan M. Goshert
Group Leader

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Analysis Report

Sample Description: QA Water Sample
Facility# 90129 Job# 386649
4700 Brooklyn Avenue - Seattle, WA

LLI Sample # WW 6524711
LLI Group # 1285519
Account # 11260

Project Name: 90129

Collected: 01/14/2012

Submitted: 01/18/2012 09:15
Reported: 02/16/2012 12:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BSEQA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	N.D.	0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1

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
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12019A94A	01/23/2012 12:52	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	12019A94A	01/23/2012 12:52	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12019A94A	01/23/2012 12:52	Catherine J Schwarz	1

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Analysis Report

Sample Description: MW-2 Grab Water Sample
Facility# 90129 Job# 386649
4700 Brooklyn Avenue - Seattle, WA

LLI Sample # WW 6524712
LLI Group # 1285519
Account # 11260

Project Name: 90129

Collected: 01/14/2012 08:40 by JP

Submitted: 01/18/2012 09:15
Reported: 02/16/2012 12:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BSE02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	1,300	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	1.7	0.5	1
02102	Ethylbenzene	100-41-4	9.5	0.5	1
02102	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	1
02102	Toluene	108-88-3	20	0.5	1
02102	Total Xylenes	1330-20-7	110	1.5	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	68	1

The reverse surrogate, capric acid, was present at <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
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12019A94A	01/23/2012 13:43	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	12019A94A	01/23/2012 13:43	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12019A94A	01/23/2012 13:43	Catherine J Schwarz	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	120210007A	01/28/2012 10:29	Lisa A Reinert	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	120210007A	01/23/2012 10:30	Cynthia J Salvatori	1

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Analysis Report

Sample Description: MW-3 Grab Water Sample
Facility# 90129 Job# 386649
4700 Brooklyn Avenue - Seattle, WA

LLI Sample # WW 6524713
LLI Group # 1285519
Account # 11260

Project Name: 90129

Collected: 01/14/2012 10:10 by JP

Submitted: 01/18/2012 09:15
Reported: 02/16/2012 12:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BSE03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	5,200	250	5
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	180	2.5	5
02102	Ethylbenzene	100-41-4	630	2.5	5
02102	Methyl tert-Butyl Ether	1634-04-4	120	13	5
02102	Toluene	108-88-3	81	2.5	5
02102	Total Xylenes	1330-20-7	130	7.5	5
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	100	30	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	69	1

The reverse surrogate, capric acid, was present at <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
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12019A94A	01/23/2012 16:44	Catherine J Schwarz	5
02102	Method 8021 Water Master	SW-846 8021B	1	12019A94A	01/23/2012 16:44	Catherine J Schwarz	5
01146	GC VOA Water Prep	SW-846 5030B	1	12019A94A	01/23/2012 16:44	Catherine J Schwarz	5
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	120210007A	01/28/2012 10:55	Lisa A Reinert	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	120210007A	01/23/2012 10:30	Cynthia J Salvatori	1

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Analysis Report

Sample Description: MW-4 Grab Water Sample
Facility# 90129 Job# 386649
4700 Brooklyn Avenue - Seattle, WA

LLI Sample # WW 6524714
LLI Group # 1285519
Account # 11260

Project Name: 90129

Collected: 01/14/2012 08:00 by JP

Submitted: 01/18/2012 09:15
Reported: 02/16/2012 12:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BSE04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	2,900	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	170	0.5	1
02102	Ethylbenzene	100-41-4	69	0.5	1
02102	Methyl tert-Butyl Ether	1634-04-4	19	2.5	1
02102	Toluene	108-88-3	4.6	0.5	1
02102	Total Xylenes	1330-20-7	69	1.5	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	7,900	30	1
12005	HRO C24-C40 w/Si Gel	n.a.	930	71	1

Due to the matrix of the sample extract, capric acid recovery could not be determined.

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
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12019A94A	01/23/2012 15:52	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	12019A94A	01/23/2012 15:52	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12019A94A	01/23/2012 15:52	Catherine J Schwarz	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	120210007A	01/28/2012 15:00	Lisa A Reinert	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	120210007A	01/23/2012 10:30	Cynthia J Salvatori	1

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Analysis Report

Sample Description: MW-5 Grab Water Sample
Facility# 90129 Job# 386649
4700 Brooklyn Avenue - Seattle, WA

LLI Sample # WW 6524715
LLI Group # 1285519
Account # 11260

Project Name: 90129

Collected: 01/14/2012 09:30 by JP

Submitted: 01/18/2012 09:15
Reported: 02/16/2012 12:19

Chevron
6001 Bollinger Canyon Road
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BSE05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	52	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	N.D.	0.5	1
02102	Ethylbenzene	100-41-4	0.7	0.5	1
02102	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	1
02102	Toluene	108-88-3	1.3	0.5	1
02102	Total Xylenes	1330-20-7	7.5	1.5	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1

The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken:
The sample was re-extracted outside of the method required holding time, and surrogate recoveries are within the QC acceptance limits. Since the hold time had expired prior to the second extraction all results are reported from the original extract. Similar results were obtained in both extracts.
The reverse surrogate, capric acid, was present at <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
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12019A94A	01/23/2012 14:09	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	12019A94A	01/23/2012 14:09	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12019A94A	01/23/2012 14:09	Catherine J Schwarz	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	120210007A	01/28/2012 11:20	Michele D Hamilton	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	120210007A	01/23/2012 10:30	Cynthia J Salvatori	1

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Analysis Report

Sample Description: MW-7 Grab Water Sample
Facility# 90129 Job# 386649
4700 Brooklyn Avenue - Seattle, WA

LLI Sample # WW 6524716
LLI Group # 1285519
Account # 11260

Project Name: 90129

Collected: 01/14/2012 13:00 by JP

Submitted: 01/18/2012 09:15
Reported: 02/16/2012 12:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BSE07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	130	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	1.5	0.5	1
02102	Ethylbenzene	100-41-4	3.2	0.5	1
02102	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	33	31	1
12005	HRO C24-C40 w/Si Gel	n.a.	130	73	1

The reverse surrogate, capric acid, was present at <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
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12019A94A	01/23/2012 14:35	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	12019A94A	01/23/2012 14:35	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12019A94A	01/23/2012 14:35	Catherine J Schwarz	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	120210007A	01/28/2012 14:35	Lisa A Reinert	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	120210007A	01/23/2012 10:30	Cynthia J Salvatori	1

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Analysis Report

Sample Description: MW-9 Grab Water Sample
Facility# 90129 Job# 386649
4700 Brooklyn Avenue - Seattle, WA

LLI Sample # WW 6524717
LLI Group # 1285519
Account # 11260

Project Name: 90129

Collected: 01/14/2012 11:30 by JP

Submitted: 01/18/2012 09:15
Reported: 02/16/2012 12:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BSE09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	5,800	250	5
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	120	0.5	1
02102	Ethylbenzene	100-41-4	180	0.5	1
02102	Methyl tert-Butyl Ether	1634-04-4	36	2.5	1
02102	Toluene	108-88-3	17	0.5	1
02102	Total Xylenes	1330-20-7	260	1.5	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	330	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	68	1

The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken:
The sample was re-extracted outside of the method required holding time, and surrogate recoveries are within the QC acceptance limits. Since the hold time had expired prior to the second extraction all results are reported from the original extract. Similar results were obtained in both extracts.
The reverse surrogate, capric acid, was present at <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
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12019A94A	01/23/2012 18:52	Catherine J Schwarz	5
02102	Method 8021 Water Master	SW-846 8021B	1	12019A94B	01/24/2012 12:47	Carrie E Miller	1
01146	GC VOA Water Prep	SW-846 5030B	1	12019A94A	01/23/2012 18:52	Catherine J Schwarz	5
01146	GC VOA Water Prep	SW-846 5030B	2	12019A94B	01/24/2012 12:47	Carrie E Miller	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	120210007A	01/28/2012 11:46	Michele D Hamilton	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	120210007A	01/23/2012 10:30	Cynthia J Salvatori	1

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Analysis Report

Sample Description: MW-13 Grab Water Sample
Facility# 90129 Job# 386649
4700 Brooklyn Avenue - Seattle, WA

LLI Sample # WW 6524718
LLI Group # 1285519
Account # 11260

Project Name: 90129

Collected: 01/14/2012 12:10 by JP

Submitted: 01/18/2012 09:15
Reported: 02/16/2012 12:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BSE13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	4,300	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	160	2.5	5
02102	Ethylbenzene	100-41-4	78	2.5	5
02102	Methyl tert-Butyl Ether	1634-04-4	38	13	5
02102	Toluene	108-88-3	8.2	2.5	5
02102	Total Xylenes	1330-20-7	60	7.5	5
	Reporting limits were raised due to interference from the sample matrix.				
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	1,700	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	140	69	1
	The reverse surrogate, capric acid, was present at <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
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12019A94A	01/23/2012 16:18	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	12019A94B	01/24/2012 12:21	Carrie E Miller	5
01146	GC VOA Water Prep	SW-846 5030B	1	12019A94A	01/23/2012 16:18	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	2	12019A94B	01/24/2012 12:21	Carrie E Miller	5
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	120210007A	01/28/2012 12:55	Lisa A Reinert	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	120210007A	01/23/2012 10:30	Cynthia J Salvatori	1

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Analysis Report

Sample Description: MW-14 Grab Water Sample
Facility# 90129 Job# 386649
4700 Brooklyn Avenue - Seattle, WA

LLI Sample # WW 6524719
LLI Group # 1285519
Account # 11260

Project Name: 90129

Collected: 01/14/2012 15:00 by JP

Submitted: 01/18/2012 09:15
Reported: 02/16/2012 12:19

Chevron
6001 Bollinger Canyon Road
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San Ramon CA 94583

BSE14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	N.D.	0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	30	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	70	1

The reverse surrogate, capric acid, was present at <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
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12019A94A	01/23/2012 15:01	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	12019A94A	01/23/2012 15:01	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12019A94A	01/23/2012 15:01	Catherine J Schwarz	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	120210007A	01/28/2012 13:20	Lisa A Reinert	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	120210007A	01/23/2012 10:30	Cynthia J Salvatori	1

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Analysis Report

Sample Description: MW-15 Grab Water Sample
Facility# 90129 Job# 386649
4700 Brooklyn Avenue - Seattle, WA

LLI Sample # WW 6524720
LLI Group # 1285519
Account # 11260

Project Name: 90129

Collected: 01/14/2012 14:00 by JP

Submitted: 01/18/2012 09:15
Reported: 02/16/2012 12:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BSE15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	N.D.	0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	68	1

The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken:
The sample was re-extracted outside of the method required holding time, and surrogate recoveries are within the QC acceptance limits. Since the hold time had expired prior to the second extraction all results are reported from the original extract. Similar results were obtained in both extracts.
The reverse surrogate, capric acid, was present at <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
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12019A94A	01/23/2012 15:26	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	12019A94A	01/23/2012 15:26	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12019A94A	01/23/2012 15:26	Catherine J Schwarz	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	120210007A	01/28/2012 13:45	Michele D Hamilton	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	120210007A	01/23/2012 10:30	Cynthia J Salvatori	1

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Analysis Report

Sample Description: MW-16 Grab Water Sample
Facility# 90129 Job# 386649
4700 Brooklyn Avenue - Seattle, WA

LLI Sample # WW 6524721
LLI Group # 1285519
Account # 11260

Project Name: 90129

Collected: 01/14/2012 16:00 by JP

Submitted: 01/18/2012 09:15
Reported: 02/16/2012 12:19

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BSE16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	4,000	250	5
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	500	2.5	5
02102	Ethylbenzene	100-41-4	360	2.5	5
02102	Methyl tert-Butyl Ether	1634-04-4	53	13	5
02102	Toluene	108-88-3	27	2.5	5
02102	Total Xylenes	1330-20-7	46	7.5	5
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	32	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	68	1

The reverse surrogate, capric acid, was present at <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
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12019A94A	01/23/2012 19:17	Catherine J Schwarz	5
02102	Method 8021 Water Master	SW-846 8021B	1	12019A94A	01/23/2012 19:17	Catherine J Schwarz	5
01146	GC VOA Water Prep	SW-846 5030B	1	12019A94A	01/23/2012 19:17	Catherine J Schwarz	5
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	120210007A	01/28/2012 14:10	Lisa A Reinert	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	120210007A	01/23/2012 10:30	Cynthia J Salvatori	1

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Quality Control Summary

Client Name: Chevron Group Number: 1285519
Reported: 02/16/12 at 12:19 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 12019A94A	Sample number(s): 6524711-6524721							
Benzene	N.D.	0.2	ug/l	100	100	80-120	0	30
Ethylbenzene	N.D.	0.2	ug/l	100	100	80-120	0	30
Methyl tert-Butyl Ether	N.D.	0.3	ug/l	95	95	78-125	0	30
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	100	100	75-135	0	30
Toluene	N.D.	0.2	ug/l	95	95	80-120	0	30
Total Xylenes	N.D.	0.6	ug/l	98	102	80-120	3	30
Batch number: 12019A94B	Sample number(s): 6524717-6524718							
Benzene	N.D.	0.2	ug/l	100	100	80-120	0	30
Ethylbenzene	N.D.	0.2	ug/l	100	100	80-120	0	30
Methyl tert-Butyl Ether	N.D.	0.3	ug/l	95	95	78-125	0	30
Toluene	N.D.	0.2	ug/l	95	95	80-120	0	30
Total Xylenes	N.D.	0.6	ug/l	98	102	80-120	3	30
Batch number: 120210007A	Sample number(s): 6524712-6524721							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	57	52	50-120	9	20
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Method 8021 Water Master
Batch number: 12019A94A

	Trifluorotoluene-P	Trifluorotoluene-F
6524711	85	80
6524712	84	89
6524713	94	101
6524714	90	117
6524715	86	76
6524716	85	88
6524717		94
6524718		96
6524719	85	77
6524720	88	77
6524721	94	99
Blank	85	99

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

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Quality Control Summary

Client Name: Chevron Group Number: 1285519
Reported: 02/16/12 at 12:19 PM

Surrogate Quality Control

LCS	85	94
LCSD	85	94
Limits:	58-146	63-135

Analysis Name: Method 8021 Water Master
Batch number: 12019A94B

	Trifluorotoluene-P	Trifluorotoluene-F
6524717	111	
6524718	74	
Blank	85	94
LCS	85	94
LCSD	85	94
Limits:	58-146	63-135

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 120210007A

	Orthoterphenyl
6524712	58
6524713	51
6524714	107
6524715	8*
6524716	55
6524717	48*
6524718	87
6524719	74
6524720	41*
6524721	62
Blank	83
LCS	72
LCSD	64
Limits:	50-150

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

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories

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Acct. #: 11260 Group # 1285519 Sample #: 6524711-21

SCR #:

Facility #: SS#9-0129-OML G-R#380849

Site Address: 4700 Brooklyn Avenue, SEATTLE, WA

Chevron PM: MGA Lead Consultant: SAIC/MLange

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: J. Payne

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water	Matrix: Oil ☐ Air ☐	Total Number of Containers	BTEX + MTBE 8021 ☐ 8260 ☐ Naphth ☐	8260 full scan	Oxygenates ____	NWTPH GX	NWTPH DX ☐ Silica Gel Cleanup	Lead Total ☐ Diss. ☐ Method ____	☐ WAVPH ☐ WAEPH	NWTPH H HCID ☐ quantification				
QA	1-14-12		X			X		2	X			X								
MW-2		0940	X			X		5	X			X	X							
MW-3		1010	X			X		5	X			X	X							
MW-4		0900	X			X		5	X			X	X							
MW-5		0930	X			X		5	X			X	X							
MW-7		1300	X			X		5	X			X	X							
MW-9		1130	X			X		5	X			X	X							
MW-13		1210	X			X		6	X			X	X							
MW-14		~~0940~~	X			X		5	X			X	X							
MW-15		1400	X			X		5	X			X	X							
MW-16		1600	X			X		5	X			X	X							

Analyses Requested

Preservation Codes

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

Comments /Remarks

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

MW-14 - 1500

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)

Relinquished by:	Date	Time	Received by:	Date	Time
	1-17-12	1500			
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:	1/18/12	0915
Temperature Upon Receipt 0.4-1.3 C°			Custody Seals Intact? Yes No		

3468.02

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

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Explanation of Symbols and Abbreviations

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

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

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

> greater than

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.

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