February 6, 2013

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

Subject: **Fourth Quarter 2012 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 2012 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 December 15, 2012. Gettler-Ryan collected depth-to-groundwater measurements and checked for the presence of separate-phase hydrocarbons (SPH) in 14 of the 16 groundwater monitoring wells on site (Figure 2). Monitoring well MW-1 was inaccessible and monitoring well MW-8 was dry.

Groundwater samples were collected from 11 monitoring wells. Samples were not collected from monitoring wells MW-2 (insufficient groundwater), MW-8 (dry), MW-10 (SPH), and MW-11 (SPH). Groundwater samples were submitted to Eurofins Lancaster Laboratories, Inc. 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 (USEPA) Method 8021B.

In addition, all MTBE detections were confirmed using by USEPA Method 8260B. 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 83.59 feet in monitoring well MW-14 to 80.61 feet in monitoring well MW-2, based on an arbitrary benchmark elevation of 100.00 feet (Figure 2). Groundwater elevations increased an average of 0.62 feet since the previous quarterly monitoring event in September 2012. Groundwater flows toward the east at a gradient of approximately 0.02 feet per foot. SPH were detected in monitoring wells MW-10 and MW-11 at thicknesses of 0.08 and 0.16 feet, respectively.

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

- TPH-GRO in monitoring wells MW-3, MW-4, MW-9, MW-12, MW-13, and MW-16;
- TPH-DRO in monitoring wells MW-4, MW-9, MW-12, and MW-13;
- Benzene in monitoring wells MW-3, MW-4, MW-9, MW-12, MW-13, and MW-16;
- Toluene in monitoring well MW-12;
- Ethylbenzene in monitoring well MW-12; and
- Total xylenes in monitoring well MW-12.

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 flow direction are consistent with historical data reported at the site. Petroleum hydrocarbon concentrations have remained consistent with historical data or have slightly decreased across the site. Analytes in monitoring wells MW-3, MW-4, MW-9, MW-12, MW-13, and MW-16 continue to remain above MTCA Method A cleanup levels. Dissolved-phase hydrocarbons were not detected in monitoring well MW-14 at concentrations above their respective laboratory reporting limits during the last two sampling events, which indicates that the concentrations detected during the June 2012 sampling event were likely an anomaly.

Gettler-Ryan will continue to perform groundwater monitoring and sampling on a quarterly basis. The next groundwater monitoring and sampling event is scheduled for March 2013.

If you have any questions or comments, please contact Ruth Otteman at (425) 482-3328 or via email at ottemanr@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

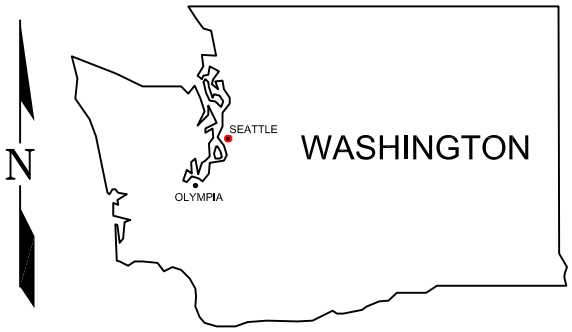
This technical document was prepared on behalf of Chevron and is intended for its sole use and for use by the local, state or federal regulatory agency that the technical document was sent to by SAIC. Any other person or entity obtaining, using, or relying on this technical document hereby acknowledges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

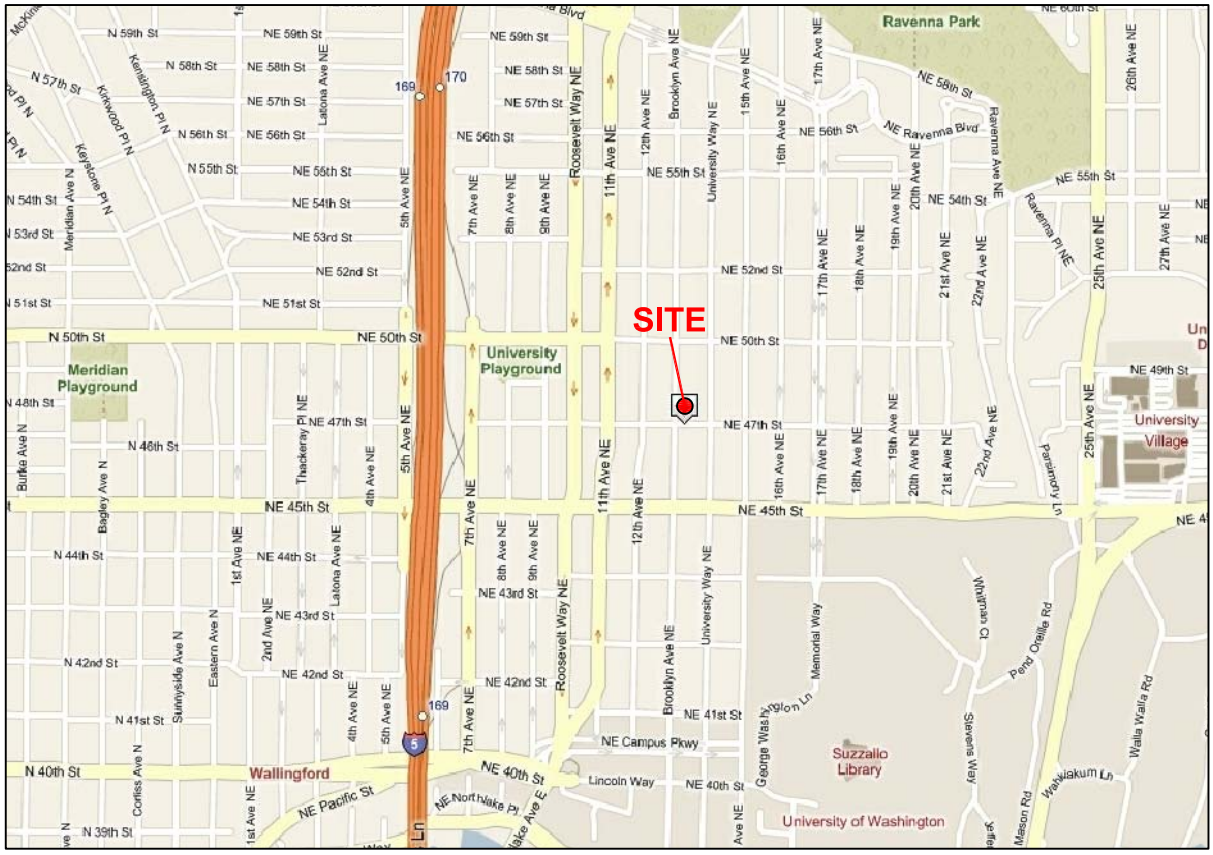
Site history and background information provided in this technical document are based on sources that may include interviews with environmental regulatory agencies and property management personnel and a review of acquired environmental regulatory agency documents and property information obtained from 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.





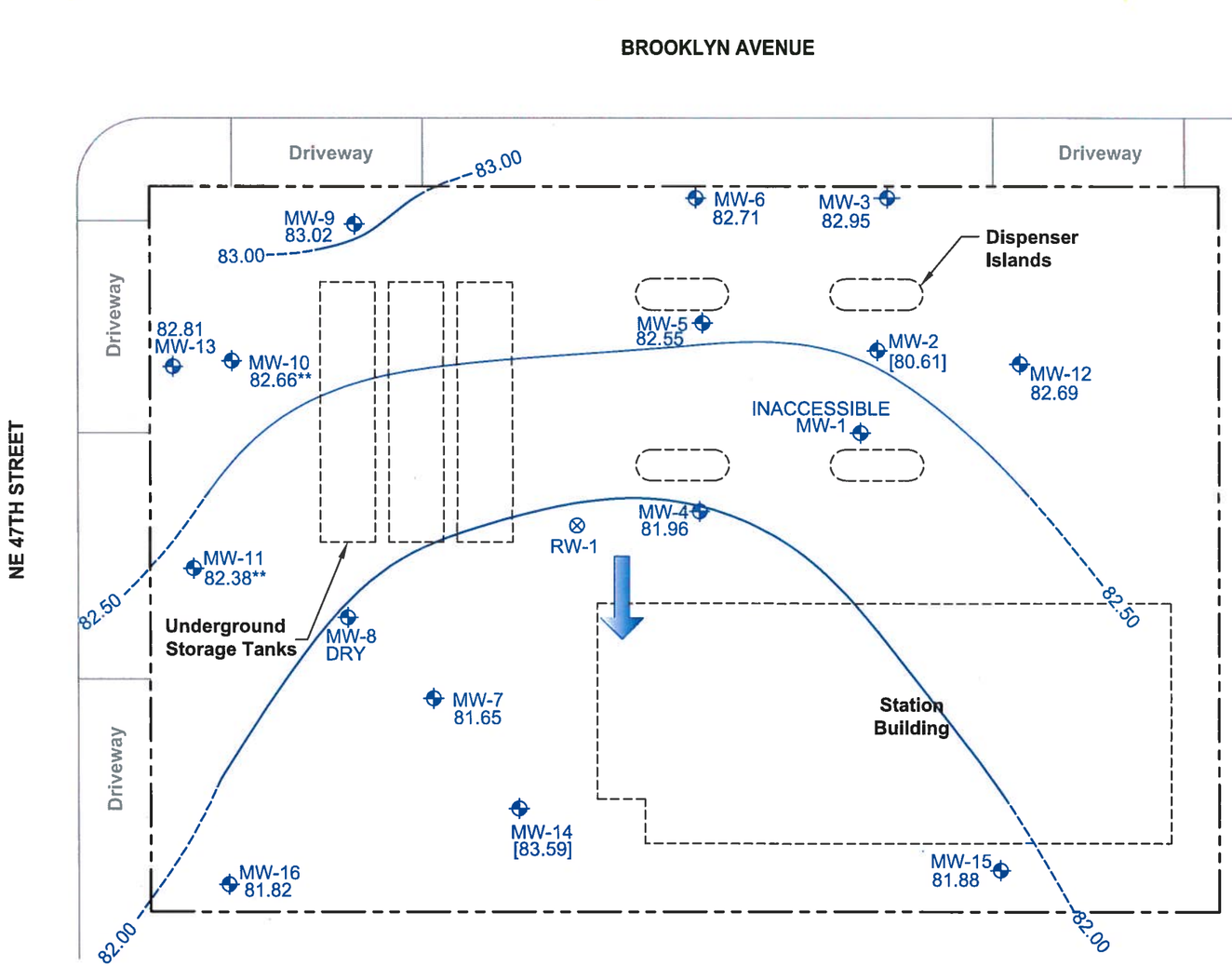
Maps Provided by Seattle.gov

SAIC

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

FIGURE 1
Vicinity Map

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



N

0 10' 20'

State of Washington
2357
Licensed Geologist
Gabriel Cisneros
2/6/13

LEGEND

MW-6	Groundwater Monitoring Well
82.69	Groundwater Elevation in Feet
82.66**	Groundwater Elevation Corrected for the Presence of Separate Phase Hydrocarbons (SPH)
82.00	Groundwater Elevation Contour at a 0.5 Foot Interval (Dashed Where Inferred)
[83.59]	Groundwater Elevation Not Used in Contour Map Due to Insufficient Water (in Feet)
	Approximate Groundwater Flow Direction at a Gradient of 0.02 Ft./Ft.

SAIC

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

FIGURE 2
Potentiometric Map
December 15, 2012

DATE: 2/5/2013 | DRAWING: 90129 Site Map.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		--	--	--	--	--	--	--	--	--	--	--
3/31/12		--	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--
6/2/12		--	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--
9/30/12		--	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--
12/15/12		--	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	--	--

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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-2 (cont)															
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	--	--	--	--	--	--	--	--	--	--	--	--	--
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	--
3/31/12		100.05	--	19.70	--	80.35	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--	--
6/2/12		100.05	--	17.80	--	82.25	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
9/30/12		100.05	--	19.42	--	80.63	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--	--
12/15/12		100.05	--	19.44	--	80.61	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--	--
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**	--	--

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MW-3 (cont)															
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**	--	--
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]	--

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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)															
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	--
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**	--
3/31/12		101.25	--	18.25	--	83.00	120	<76	**1,700**	**30**	6.5	160	14	**73**	--
6/2/12		101.25	--	18.10	--	83.15	110	93	**4,200**	**68**	48	340	170	**73**	--
9/30/12		101.25	--	19.00	--	82.25	410	330	**5,600**	**200**	95	**710**	350	91/<5[6]	--
12/15/12		101.25	--	18.30	--	82.95	160	72	**2,400**	**46**	12	240	36	62/<3[6]	--
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**	--	--

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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-4 (cont)															
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**	--	--
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]**	--

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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)															
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	--
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	--
3/31/12		100.01	--	18.05	0.00	81.96	**6,000**	**800**	**1,500**	**44**	3.7	25	15	15	--
6/2/12		100.01	--	17.85	0.00	82.16	**510**	160	**1,800**	**79**	3.1	30	20	14	--
9/30/12		100.01	--	18.52	0.00	81.49	**4,600**	**650**	**2,000**	**230**	<4.0	100	28	13/12[6]	--
12/15/12		100.01	--	18.05	0.00	81.96	**2,300**	130	**800**	**39**	<2.0	37	<5.0	13/11[6]	--
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	--	--

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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)															
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	--	--	--	--	--	--	--	--	--	--	--	--	--
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	--
3/31/12		100.75	--	18.20	--	82.55	<31	<73	<50	<0.5	0.6	<0.5	1.9	<2.5	--
6/2/12		100.75	--	18.05	--	82.70	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
9/30/12		100.75	--	18.82	--	81.93	<29	90	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
12/15/12		100.75	--	18.20	--	82.55	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--

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

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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)															
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					--	--	--	--
3/31/12		100.93	--	18.30	--	82.63	<29	<68	560	1.3	1.2	1.3	9.4	<2.5	--
6/2/12		100.93	--	18.10	--	82.83	<29	<67	**1,300**	1.8	1.3	3.1	18	<2.5	--
9/30/12		100.93	--	18.92	--	82.01	OBSTRUCTION IN WELL AT 19 FT				--	--	--	--	--
12/15/12		100.93	--	18.22	--	82.71	<29	<67	560	0.6	0.7	1.7	12	<2.5	--
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**	--	--
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**	--	--

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4700 Brooklyn Avenue
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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-7 (cont)															
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	--
3/31/12		99.07	--	17.50	--	81.57	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
6/2/12		99.07	--	17.10	--	81.97	44	170	100	1.3	<0.5	1.1	<1.5	<2.5	--
9/30/12		99.07	--	17.78	--	81.29	35	86	54	0.8	<0.5	1.3	<1.5	<2.5	--
12/15/12		99.07	--	17.42	--	81.65	51	<68	300	2.4	<0.5	5.7	2.3	<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	--	--	--	--	--	--	--	--	--	--	--	--
9/22/11		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--
1/14/12		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--
3/31/12		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--
6/2/12		--	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-8 (cont)															
9/30/12		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--
12/15/12		--	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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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**	--
3/31/12		100.02	--	16.85	0.00	83.17	**1,300**	91	**7,900**	**140**	14	220	320	**24**	--
6/2/12		100.02	--	16.60	0.00	83.42	**1,100**	240	**8,900**	**120**	16	210	300	**26**	--
9/30/12		100.02	--	17.61	0.00	82.41	**1,200**	190	**7,800**	**130**	22	220	300	30/<3[6]	--
12/15/12		100.02	--	17.00	0.00	83.02	**4,000**	<69	**18,000**	**150**	25	420	930	34/<3[6]	--
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	--	--	--	--	--	--	--	--	--	--	--	--	--

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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)															
11/10/93		99.18	--	--	--	--	--	--	--	--	--	--	--	--	--
2/3/94		99.18	--	--	--	--	--	--	--	--	--	--	--	--	--
4/26/94		99.18	--	--	--	--	--	--	--	--	--	--	--	--	--
7/20/94		99.18	--	--	--	--	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--

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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)															
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	--	--	--	--	--	--	--	--	--
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					--	--	--	--
3/31/12		99.18	--	16.35	0.00	82.83	**9,800**	<79	**11,000**	**190**	18	330	450	**29**	--
6/2/12		99.18	16.00	16.20	0.20	83.14	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--
9/30/12		99.18	16.95	17.02	0.07	82.22	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--
12/15/12		99.18	16.50	16.58	0.08	82.66	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	--	--	--	--	--	--	--	--	--

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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-11 (cont)															
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**	--	--
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	--	--	--	--	--	--	--	--	--

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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)															
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	--
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	--

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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)															
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					--	--	--	--
3/31/12		98.43	--	15.60	0.00	82.83	**1,800**	<69	**26,000**	**340**	690	320	**1,300**	**93**	--
6/2/12		98.43	15.35	15.55	0.20	83.04	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--
9/30/12		98.43	--	16.18	0.00	82.25	**2,900**	120	**18,000**	**260**	290	490	**1,400**	87/<5[6]	--
12/15/12		98.43	16.02	16.18	0.16	82.38	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--
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**	--	--

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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)															
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	--
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					--	--	--	--
3/31/12		100.50	--	17.75	0.00	82.75	**3,800**	**640**	**110,000**	**11,000**	**12,000**	**2,300**	**15,000**	**400**	--
6/2/12		100.50	--	20.90	0.00	79.60	INSUFFICIENT WATER TO SAMPLE				--	--	--	--	--
9/30/12		100.50	--	18.45	0.00	82.05	**2,200**	**660**	**130,000**	**14,000**	**20,000**	**2,700**	**18,000**	240/<10[6]	--
12/15/12		100.50	--	17.81	0.00	82.69	**2,100**	210	**96,000**	**11,000**	**17,000**	**2,700**	**16,000**	310/<5[6]	--
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	--	--	--	--	--	--	--	--	--

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-13 (cont)															
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	--	--	--	--	--	--	--	--	--
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	--

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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)															
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**	--
3/31/12		99.01	--	15.90	0.00	83.11	**4,300**	89	**4,500**	**200**	8.5	100	80	**36**	--
6/2/12		99.01	--	15.60	0.00	83.41	**3,300**	240	**4,200**	**140**	7.8	110	83	**33**	--
9/30/12		99.01	--	16.54	0.00	82.47	**500**	96	**3,400**	**110**	8.3	96	84	19/<0.5[6]	--
12/15/12		99.01	--	16.20	0.00	82.81	**17,000**	380	**14,000**	**100**	8.5	99	100	17/<3[6]	--
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	--	--	--	--	--	--	--	--	--

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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-14 (cont)															
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	--	--
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	--	--	--	--	--	--	--	--	--

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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-14 (cont)															
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	--
3/31/12		99.53	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--	--	--	--
6/2/12		99.53	--	18.20	--	81.33	79	<72	**3,700**	**500**	18	280	31	**48**	--
9/30/12		99.53	--	18.76	--	80.77	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
12/15/12		99.53	--	15.94	--	83.59	<28	<66	<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]
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	--	--	--	--	--	--	--	--	--

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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-15 (cont.)															
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	--
3/31/12		98.83	--	17.05	--	81.78	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
6/2/12		98.83	--	16.80	--	82.03	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
9/30/12		98.83	--	17.58	--	81.25	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
12/15/12		98.83	--	16.95	--	81.88	<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
7/28/01		97.80	--	16.81	--	80.99	--	--	**1,620**	**46.5**	13.5	122	112	--/<5.0[6]	0.00332

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-16 (cont.)															
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**	--
3/31/12		97.80	--	15.80	--	82.00	54	<70	**3,300**	**490**	21	310	33	**45**	--
6/2/12		97.80	--	16.45	--	81.35	56	<68	**3,600**	**530**	18	270	28	**46**	--
9/30/12		97.80	--	16.18	--	81.62	50	<70	**2,800**	**370**	14	310	42	39/<0.5[6]	--
12/15/12		97.80	--	15.98	--	81.82	60	<69	**2,900**	**330**	12	280	34	<39	--

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)
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	--
TRIP BLANK (cont)															
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	--

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)
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	--
3/31/12		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
6/2/12		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
9/30/12		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
12/15/12		--	--	--	--	--	--	--	<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 Cleanup Levels:							500	500	800/1,000	5	1,000	700	1,000	20	--
Current Method:[7]							NWTPH-Dx[8]		NWTPH-Gx	USEPA 8021B					USEPA 6000/7000

Abbreviations:

(D) = Duplicate
DTW/P = Depth to Water or Product
(ft.) = Feet
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 detection confirmed 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

December 27, 2012
G-R #386649

TO: Ms. Ruth A. Otteman
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 December 15, 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:	12.16.12
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/Capacity	Location
	No Drums				

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

Additional Comments/Observations: MW-1 inaccessible, MW-2 insufficent water, MW-8 dry. MW-10, MW-11, & MW-12 SPH

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: 12.16.12 (inclusive)

City: **Seattle, WA** Sampler: JP

Well ID **MW-** \

Well Diameter **2**

Total Depth _____ ft.

Depth to Water ✗ ft.

Date Monitored: 12.16.12

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

☐ Check if water column is less then 0.50 ft.

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

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

Purge Equipment:

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

Sampling Equipment:

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

Time Started: _____ (2400 hrs)
Time Completed: _____ (2400 hrs)
Depth to Product: _____ ft
Depth to Water: _____ ft
Hydrocarbon Thickness: _____ ft
Visual Confirmation/Description: _____
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: _____ gal
Amt Removed from Well: _____ gal
Water Removed: _____ gal
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: UNABLE TO ACCESS THIS WELL, 2" PVC CAP HAS BEEN GLUED ONTO CASING.

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: 12.16.12 (inclusive)

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

Well ID **MW-2** Date Monitored: 12.16.12

Well Diameter **2**

Total Depth 19.80 ft.

Depth to Water 19.44 ft.

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

.36 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 ____
Metal Filters ____
Peristaltic Pump ____
QED Bladder Pump ____
Other: ____

Time Started: ____ (2400 hrs)
Time Completed: ____ (2400 hrs)
Depth to Product: ____ ft
Depth to Water: ____ ft
Hydrocarbon Thickness: ____ ft
Visual Confirmation/Description: ____
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ____ gal
Amt Removed from Well: ____ gal
Water Removed: ____ gal
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-2	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

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: 12.15.12 (inclusive)

City: **Seattle, WA** Sampler: JP

Well ID MW-3 Date Monitored: 12.15.12

Well Diameter 2

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

Total Depth 23.10 ft.

Depth to Water 18.30 ft. ☐ Check if water column is less then 0.50 ft.

4.80 xVF .17 = .81 x3 case volume = Estimated Purge Volume: 1.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 19.26

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 0800 Weather Conditions: OVERCAST

Sample Time/Date: 0722 / 12.15.12 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: 19.14

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm ~~µS~~)	Temperature (C) F	D.O. (mg/L)	ORP (mV)
0704	1.0	6.98	.462	13.7		
0710	2.5	6.96	.464	13.5		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS: REMARKS

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: 12.16.12 (inclusive)

City: **Seattle, WA** Sampler: JP

Well ID **MW-4** Date Monitored: 12.16.12

Well Diameter **2**

Total Depth 21.40 ft.

Depth to Water 18.05 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.

3.35 xVF .17 = .56 x3 case volume = Estimated Purge Volume: 2 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 18.72

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 0930 Weather Conditions: overcast

Sample Time/Date: 0955 / 12.16.12 Water Color: cloudy Odor: (Y) / N mild

Approx. Flow Rate: — gpm. Sediment Description: v fine

Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 18.61

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (~~µmhos/cm~~ mS)	Temperature (C) / F	D.O. (mg/L)	ORP (mV)
0940	1	7.18	.426	13.9		
0943	2	6.96	.416	13.6		

LABORATORY INFORMATION

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

COMMENTS: reliable

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: 12.16.12 (inclusive)

City: **Seattle, WA** Sampler: JP

Well ID MW-5 Date Monitored: 12.16.12

Well Diameter 2

Total Depth 21.46 ft.

Depth to Water 10.10 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.

11.36 xVF .17 = 1.93 x3 case volume = Estimated Purge Volume: 2 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.48

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 0934 Weather Conditions: OVERCAST

Sample Time/Date: 1040 / 12.16.12 Water Color: CLOUDY Odor: (Y) / N

Approx. Flow Rate: — gpm. Sediment Description: LOW

Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 10.71

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS)	Temperature (C) / F	D.O. (mg/L)	ORP (mV)
1038	1	7.01	.312	13.7		
1042	2	6.98	.318	13.6		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS: RELIABLE

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: 12.16.12 (inclusive)
City: Seattle, WA Sampler: JP

Well ID MW-6 Date Monitored: 12.16.12
Well Diameter 2
Total Depth 14.10 ft.
Depth to Water 10.12 ft.

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

☐ Check if water column is less then 0.50 ft.

4.08 xVF .17 = .69 x3 case volume = Estimated Purge Volume: 1 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.93

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

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

Start Time (purge): 0711 Weather Conditions: OVERCAST
Sample Time/Date: 0752 12.16.12 Water Color: CLEAR Odor: (Y) N MILD
Approx. Flow Rate: — gpm. Sediment Description: NONE
Did well de-water? No If yes, Time: — Volume: — gal. DTW @ Sampling: 10.91

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm µS)	Temperature (C) / F	D.O. (mg/L)	ORP (mV)
0736	1	7.03	.477	13.9		
0741	2	6.98	.472	13.6		

LABORATORY INFORMATION

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

COMMENTS: RECHARGE, OBSTRUCTION IN WELL @ 11.5-12'. J. PAYNE TRIED REMOVING OBSTRUCTION, UNSUCCESSFUL

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: 12.15.12 (inclusive)
City: Seattle, WA Sampler: J.P

Well ID MW-7 Date Monitored: 12.15.12
Well Diameter 2
Total Depth 20.30 ft.
Depth to Water 17.42 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.

2.88 xVF .17 = .490 x3 case volume = Estimated Purge Volume: 1.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 3.45

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

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

Start Time (purge): 0951 Weather Conditions: CLEAR WIND
Sample Time/Date: 1006 / 12.15.12 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: 3.29

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm ~~mS~~)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0956	.75	7.01	.382	13.7		
1000	1.5	6.99	.386	13.5		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	6 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: 12.16.12 (inclusive)

City: **Seattle, WA** Sampler: JT

Well ID **MW-8** Date Monitored: 12.16.12

Well Diameter **2**

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
- Metal Filters
- Peristaltic Pump
- QED Bladder Pump
- Other:

Time Started: ____ (2400 hrs)
Time Completed: ____ (2400 hrs)
Depth to Product: ____ ft
Depth to Water: ____ ft
Hydrocarbon Thickness: ____ ft
Visual Confirmation/Description: ____
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ____ gal
Amt Removed from Well: ____ gal
Water Removed: ____ gal
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 TABLE DETECTED, BROWN SEDIMENT ON PROBE.

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: 12.16.12 (inclusive)

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

Well ID **MW-9** Date Monitored: 12.16.12

Well Diameter **2**

Total Depth 21.30 ft.

Depth to Water 17.00 ft.

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

☐ Check if water column is less then 0.50 ft.

4.30 xVF .17 = .73 x3 case volume = Estimated Purge Volume: 1.5 gal.

Depth to Water w/ 80% Recharge [(Height of Column x 0.20) + DTW]: 17.86

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 0757 Weather Conditions: OVERCAST

Sample Time/Date: 0818/12.16.12 Water Color: GREY Odor (Y) N MILD

Approx. Flow Rate: — gpm. Sediment Description: CLOUDY

Did well de-water? No If yes, Time: — Volume: — gal. DTW @ Sampling: 17.71

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (mS ~~umhos/cm~~)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
~~0800~~ 0812	1.5	6.99	.422	13.9		
	3.0	6.97	.416	13.7		

LABORATORY INFORMATION

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

COMMENTS: KEYLOCK

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: 12.16.12 (inclusive)

City: **Seattle, WA** Sampler: JP

Well ID **MW-10** Date Monitored: 12.16.12

Well Diameter **2**

Total Depth 21.40 ft.

Depth to Water 16.68 ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

Purge Equipment:

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

Sampling Equipment:

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

Time Started: 0855 (2400 hrs)

Time Completed: 0900 (2400 hrs)

Depth to Product: 16.68 ft

Depth to Water: 16.68 ft

Hydrocarbon Thickness: .00 ft

Visual Confirmation/Description: BRIGHT YELLOW

Skimmer / Absorbant Sock (circle one)

Amt Removed from Skimmer: 0 gal

Amt Removed from Well: 0 gal

Water Removed: 0 gal

Product Transferred to: 0

Start Time (purge): [redacted] 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-10	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS: REPLACED PLUG W/ EYE HOOK PLUG, REPLACE 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: 12.16.12 (inclusive)
City: Seattle, WA Sampler: JP

Well ID MW-11 Date Monitored: 12.16.12
Well Diameter 2
Total Depth 22.60 ft.
Depth to Water 16.18 ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

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

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

Time Started: 0900 (2400 hrs)
Time Completed: 0917 (2400 hrs)
Depth to Product: 16.02 ft
Depth to Water: 16.18 ft
Hydrocarbon Thickness: .16 ft
Visual Confirmation/Description: BROWNISH YELLOW
Skimmer / ~~Absorbant Sock~~ (circle one)
Amt Removed from Skimmer: ϕ gal
Amt Removed from Well: ϕ gal
Water Removed: ϕ gal
Product Transferred to: ϕ

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 DETECTED, REPLACED PLUG W/ EYE HOOK PLUG

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: 12.15.12 (inclusive)
City: Seattle, WA Sampler: JP

Well ID MW-12 Date Monitored: 12.15.12
Well Diameter 2
Total Depth 21.15 ft.
Depth to Water 17.81 ft.

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

☐ Check if water column is less then 0.50 ft.

3.34 xVF .17 = .56 x3 case volume = Estimated Purge Volume: 2 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 18.47

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 0611 Weather Conditions: OVERCAST
Sample Time/Date: 0620/12.15.12 Water Color: CLOUDY Odor: (Y) / N VERY STRONG
Approx. Flow Rate: — gpm. Sediment Description: GREY
Did well de-water? No If yes, Time: — Volume: — gal. DTW @ Sampling: 18.32

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (~~umhos/cm~~ µS)	Temperature (C) / F	D.O. (mg/L)	ORP (mV)
0614	1	6.95	.696	13.8		
0619	2	6.96	.702	13.5		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-12	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS: HEAVY SHEEN 1-3 ppm RECHARGE

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: 12.16.12 (inclusive)

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

Well ID MW-13 Date Monitored: 12.16.12

Well Diameter 2

Total Depth 19.40 ft.

Depth to Water 16.24 ft.

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

☐ Check if water column is less then 0.50 ft.

3.20 xVF .17 = .54 x3 case volume = Estimated Purge Volume: 2 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 16.84

Purge Equipment:

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

Sampling Equipment:

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

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

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

Start Time (purge): 0818 Weather Conditions: OVERCAST

Sample Time/Date: 0847/12.16.12 Water Color: CLOUDY Odor (Y) / N STRONG

Approx. Flow Rate: — gpm. Sediment Description: GREY

Did well de-water? No If yes, Time: — Volume: — gal. DTW @ Sampling: 16.64

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (~~µmhos/cm~~ µS)	Temperature (C) / F	D.O. (mg/L)	ORP (mV)
0818	1	7.17	.497	13.8		
0840	2	7.03	.492	13.5		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-13	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS: RECHARGE, SHEENING

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: 12.15.12 (inclusive)

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

Well ID MW-14 Date Monitored: 12.15.12

Well Diameter 2

Total Depth 23.06 ft.

Depth to Water 16.94 ft.

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

☐ Check if water column is less then 0.50 ft.

7.12 xVF .17 = 1.2 x3 case volume = Estimated Purge Volume: 4 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 17.36

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: _____ gal
Product Transferred to: _____

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

Start Time (purge): 1048 Weather Conditions: OVERCAST

Sample Time/Date: 1112 / 12.15.12 Water Color: CLOUDY Odor: (Y) / N MILD

Approx. Flow Rate: _____ gpm. Sediment Description: ORANGISH. GREY

Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 16.67

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (mS) (~~µmhos/cm~~ ~~µS~~)	Temperature (C) / F	D.O. (mg/L)	ORP (mV)
1053	1.5	7.03	.344	13.9		
1057	3	6.93	.340	13.7		
1103	4	6.96	.341	13.5		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-14	6 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: 12.16.12 (inclusive)
City: Seattle, WA Sampler: JP

Well ID MW-16 Date Monitored: 12.16.12
Well Diameter 2
Total Depth 24.65 ft.
Depth to Water 16.95 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.

7.70 xVF .17 = 1.2 x3 case volume = Estimated Purge Volume: 4 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 18.47

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1118 Weather Conditions: Overcast
Sample Time/Date: 1140 / 12.16.12 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: 17.30

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (~~umhos/cm~~ mS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1124	1.75	7.04	.316	13.80		
1132	3	6.96	.311	13.46		
1137	4	6.98	.313	13.4		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-16	6 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: 12.16.12 (inclusive)
City: Seattle, WA Sampler: JP

Well ID MW-16 Date Monitored: 12.16.12
Well Diameter 2
Total Depth 24.60 ft.
Depth to Water 16.98 ft.

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

☐ Check if water column is less then 0.50 ft.

7.62 xVF .17 = 1.4 x3 case volume = Estimated Purge Volume: 4.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 17.68

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1014 Weather Conditions: OVERCAST
Sample Time/Date: 1030 / 12.16.12 Water Color: CLOUDY Odor: (Y) / N STRONG
Approx. Flow Rate: — gpm. Sediment Description: GREY
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 16.98

Time (2400 hr.)	Volume (gal.)	pH	~~Conductivity~~ NS ~~(µmhos/cm µS)~~	Temperature (C) / F	D.O. (mg/L)	ORP (mV)
1019	2.5	7.00	.337	13.9		
1024	3.5	6.96	.332	13.7		
1029	4.5	6.94	.332	13.5		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-16	6 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 #: _____

~~SS#9-0129-OML G-R#386649~~

Facility #: _____ WBS: _____

Site Address: 4700 Brooklyn Avenue, SEATTLE, WA

Chevron PM: MHO Lead Consultant: SAICRO Otteman

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

Analyses Requested

Preservation Codes

Matrix

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (Potable ☐ NPDES ☐)	Oil ☐ Air ☐	Total Number of Containers	BTEX + MTBE 8021 ☐ 8260 ☐ Naphth ☐	8260 full scan	Oxygenates ___	NWTPH GX	NWTPH DX ☐ Silica Gel Cleanup	Lead Total ☐ Diss. ☐ Method ___	☐ WAVPH ☐ WAEPH	NWTPH H HCID ☐ quantification
QA	12.16.12		X			X		1	X			X				
MW-3		0722	X			X		6	X			X	X			
MW-4		0845	X			X		6	X			X	X			
MW-5		0930	X			X		6	X			X	X			
MW-6		0752	X			X		6	X			X	X			
MW-7		1006	X			X		6	X			X	X			
MW-9		0819	X			X		6	X			X	X			
MW-12		0626	X			X		6	X			X	X			
MW-13		0847	X			X		6	X			X	X			
MW-14		1112	X			X		6	X			X	X			
MW-15		1114	X			X		6	X			X	X			
MW-16		1038	X			X		6	X			X	X			

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

Comments /Remarks

Confirm all MTBE hits using EPA method 8260.
Please forward the lab results directly to the Lead Consultant and cc: G-R.

Turnaround Time Requested (TAT) (please circle)

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

EDF/EDD

Data Package Options (please circle if required)

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

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	12.17.12	1600			
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

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

January 02, 2013

Project: 90129

Submittal Date: 12/18/2012
Group Number: 1357127
PO Number: 0015103600
Release Number: HORNE
State of Sample Origin: WA

Client Sample Description	Lancaster Labs (LLI) #
QA Water	6898832
MW-3 Grab Water	6898833
MW-4 Grab Water	6898834
MW-5 Grab Water	6898835
MW-6 Grab Water	6898836
MW-7 Grab Water	6898837
MW-9 Grab Water	6898838
MW-12 Grab Water	6898839
MW-13 Grab Water	6898840
MW-14 Grab Water	6898841
MW-15 Grab Water	6898842
MW-16 Grab Water	6898843

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: Jamalyn Green
ELECTRONIC COPY TO	SAIC	Attn: Ruth Otteman

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

Respectfully Submitted,

Jill M. Parker
Senior Specialist

(717) 556-7262

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Analysis Report

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

LLI Sample # WW 6898832
LLI Group # 1357127
Account # 11260

Project Name: 90129

Collected: 12/15/2012

Submitted: 12/18/2012 09:50
Reported: 01/02/2013 11:00

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BASQA

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	12354A53A	12/19/2012 15:58	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	12354A53A	12/19/2012 15:58	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12354A53A	12/19/2012 15:58	Catherine J Schwarz	1

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Analysis Report

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

LLI Sample # WW 6898833
LLI Group # 1357127
Account # 11260

Project Name: 90129

Collected: 12/15/2012 07:22 by JP

Submitted: 12/18/2012 09:50
Reported: 01/02/2013 11:00

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BASM3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	3	5
	Reporting limits were raised due to interference from the sample matrix.				
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	2,400	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	46	0.5	1
02102	Ethylbenzene	100-41-4	240	0.5	1
02102	Methyl tert-Butyl Ether	1634-04-4	62	2.5	1
02102	Toluene	108-88-3	12	0.5	1
02102	Total Xylenes	1330-20-7	36	1.5	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	160	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	72	67	1

General Sample Comments

State of Washington Lab Certification No. C259

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	MTBE 8260 Water	SW-846 8260B	1	Z123621AA	12/27/2012 16:19	Daniel H Heller	5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z123621AA	12/27/2012 16:19	Daniel H Heller	5
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12354A53A	12/19/2012 22:14	Marie D John	1
02102	Method 8021 Water Master	SW-846 8021B	1	12354A53A	12/19/2012 22:14	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12354A53A	12/19/2012 22:14	Marie D John	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123550025A	12/28/2012 22:27	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123550025A	12/21/2012 07:30	Catherine R Wiker	1

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

LLI Sample # WW 6898834
LLI Group # 1357127
Account # 11260

Project Name: 90129

Collected: 12/15/2012 05:55 by JP

Submitted: 12/18/2012 09:50
Reported: 01/02/2013 11:00

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BASM4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Methyl Tertiary Butyl Ether	1634-04-4	11	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	800	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	39	0.5	1
02102	Ethylbenzene	100-41-4	37	0.5	1
02102	Methyl tert-Butyl Ether	1634-04-4	13	2.5	1
02102	Toluene	108-88-3	N.D.	2.0	1
02102	Total Xylenes	1330-20-7	N.D.	5.0	1
Reporting limits were raised due to interference from the sample matrix.					
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	2,300	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	130	66	1

General Sample Comments

State of Washington Lab Certification No. C259

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	MTBE 8260 Water	SW-846 8260B	1	Z123621AA	12/27/2012 16:42	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z123621AA	12/27/2012 16:42	Daniel H Heller	1
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12354A53A	12/19/2012 22:40	Marie D John	1
02102	Method 8021 Water Master	SW-846 8021B	1	12354A53A	12/19/2012 22:40	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12354A53A	12/19/2012 22:40	Marie D John	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123550025A	12/28/2012 22:50	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123550025A	12/21/2012 07:30	Catherine R Wiker	1

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Analysis Report

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

LLI Sample # WW 6898835
LLI Group # 1357127
Account # 11260

Project Name: 90129

Collected: 12/15/2012 06:50 by JP

Submitted: 12/18/2012 09:50
Reported: 01/02/2013 11:00

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BASM5

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 w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	68	1

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	12354A53A	12/19/2012 23:07	Marie D John	1
02102	Method 8021 Water Master	SW-846 8021B	1	12354A53A	12/19/2012 23:07	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12354A53A	12/19/2012 23:07	Marie D John	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123550025A	12/28/2012 23:13	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123550025A	12/21/2012 07:30	Catherine R Wiker	1

Sample Description: MW-6 Grab Water
Facility# 90129 Job# 386649
4700 Brooklyn Ave - Seattle, WA

LLI Sample # WW 6898836
LLI Group # 1357127
Account # 11260

Project Name: 90129

Collected: 12/15/2012 07:52 by JP

Submitted: 12/18/2012 09:50
Reported: 01/02/2013 11:00

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BASM6

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.	560	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	0.6	0.5	1
02102	Ethylbenzene	100-41-4	1.7	0.5	1
02102	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	1
02102	Toluene	108-88-3	0.7	0.5	1
02102	Total Xylenes	1330-20-7	12	1.5	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1

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

General Sample Comments

State of Washington Lab Certification No. 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	12354A53A	12/19/2012 23:33	Marie D John	1
02102	Method 8021 Water Master	SW-846 8021B	1	12354A53A	12/19/2012 23:33	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12354A53A	12/19/2012 23:33	Marie D John	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123550026A	12/31/2012 00:23	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123550026A	12/21/2012 07:30	Catherine R Wiker	1

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Analysis Report

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

LLI Sample # WW 6898837
LLI Group # 1357127
Account # 11260

Project Name: 90129

Collected: 12/15/2012 10:06 by JP

Submitted: 12/18/2012 09:50
Reported: 01/02/2013 11:00

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BASM7

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.	300	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	2.4	0.5	1
02102	Ethylbenzene	100-41-4	5.7	0.5	1
02102	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	2.3	1.5	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	51	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	68	1

The reverse surrogate, capric acid, is 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	12354A53A	12/20/2012 00:00	Marie D John	1
02102	Method 8021 Water Master	SW-846 8021B	1	12354A53A	12/20/2012 00:00	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12354A53A	12/20/2012 00:00	Marie D John	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123550026A	12/31/2012 00:46	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123550026A	12/21/2012 07:30	Catherine R Wiker	1

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Analysis Report

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

LLI Sample # WW 6898838
LLI Group # 1357127
Account # 11260

Project Name: 90129

Collected: 12/15/2012 08:18 by JP

Submitted: 12/18/2012 09:50
Reported: 01/02/2013 11:00

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BASM9

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	3	5
	Reporting limits were raised due to interference from the sample matrix.				
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	18,000	250	5
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	150	2.5	5
02102	Ethylbenzene	100-41-4	420	2.5	5
02102	Methyl tert-Butyl Ether	1634-04-4	34	13	5
02102	Toluene	108-88-3	25	2.5	5
02102	Total Xylenes	1330-20-7	930	7.5	5
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	4,000	30	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	69	1
	Due to the presence of fuel in the sample extract, capric acid recovery can 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
10943	MTBE 8260 Water	SW-846 8260B	1	Z123621AA	12/27/2012 17:06	Daniel H Heller	5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z123621AA	12/27/2012 17:06	Daniel H Heller	5
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12354A53A	12/20/2012 00:27	Marie D John	5
02102	Method 8021 Water Master	SW-846 8021B	1	12354A53A	12/20/2012 00:27	Marie D John	5
01146	GC VOA Water Prep	SW-846 5030B	1	12354A53A	12/20/2012 00:27	Marie D John	5
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123550026A	12/31/2012 01:09	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123550026A	12/21/2012 07:30	Catherine R Wiker	1

Sample Description: MW-12 Grab Water
Facility# 90129 Job# 386649
4700 Brooklyn Ave - Seattle, WA

LLI Sample # WW 6898839
LLI Group # 1357127
Account # 11260

Project Name: 90129

Collected: 12/15/2012 06:26 by JP

Submitted: 12/18/2012 09:50
Reported: 01/02/2013 11:00

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BAS12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	5	10
	Reporting limits were raised due to interference from the sample matrix.				
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	96,000	1,300	25
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	11,000	13	25
02102	Ethylbenzene	100-41-4	2,700	13	25
02102	Methyl tert-Butyl Ether	1634-04-4	310	63	25
02102	Toluene	108-88-3	17,000	25	50
02102	Total Xylenes	1330-20-7	16,000	38	25
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	2,100	30	1
12005	HRO C24-C40 w/Si Gel	n.a.	210	69	1
	The reverse surrogate, capric acid, is 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
10943	MTBE 8260 Water	SW-846 8260B	1	Z123621AA	12/27/2012 17:30	Daniel H Heller	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z123621AA	12/27/2012 17:30	Daniel H Heller	10
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12354A53A	12/20/2012 11:12	Marie D John	25
02102	Method 8021 Water Master	SW-846 8021B	1	12354A53A	12/20/2012 00:54	Marie D John	50
02102	Method 8021 Water Master	SW-846 8021B	1	12354A53A	12/20/2012 11:12	Marie D John	25
01146	GC VOA Water Prep	SW-846 5030B	1	12354A53A	12/20/2012 00:54	Marie D John	50
01146	GC VOA Water Prep	SW-846 5030B	2	12354A53A	12/20/2012 11:12	Marie D John	25
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123550026A	12/31/2012 01:32	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123550026A	12/21/2012 07:30	Catherine R Wiker	1

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

LLI Sample # WW 6898840
LLI Group # 1357127
Account # 11260

Project Name: 90129

Collected: 12/15/2012 08:47 by JP

Submitted: 12/18/2012 09:50
Reported: 01/02/2013 11:00

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BAS13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	3	5
	Reporting limits were raised due to interference from the sample matrix.				
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	14,000	250	5
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	100	2.5	5
02102	Ethylbenzene	100-41-4	99	2.5	5
02102	Methyl tert-Butyl Ether	1634-04-4	17	13	5
02102	Toluene	108-88-3	8.5	2.5	5
02102	Total Xylenes	1330-20-7	100	7.5	5
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	17,000	140	5
12005	HRO C24-C40 w/Si Gel	n.a.	380	330	5
	The reverse surrogate, capric acid, is 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
10943	MTBE 8260 Water	SW-846 8260B	1	Z123621AA	12/27/2012 18:18	Daniel H Heller	5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z123621AA	12/27/2012 18:18	Daniel H Heller	5
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12354A53A	12/20/2012 02:41	Marie D John	5
02102	Method 8021 Water Master	SW-846 8021B	1	12354A53A	12/20/2012 02:41	Marie D John	5
01146	GC VOA Water Prep	SW-846 5030B	1	12354A53A	12/20/2012 02:41	Marie D John	5
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123550026A	12/31/2012 22:53	Christine E Dolman	5
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123550026A	12/21/2012 07:30	Catherine R Wiker	1

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

LLI Sample # WW 6898841
LLI Group # 1357127
Account # 11260

Project Name: 90129

Collected: 12/15/2012 11:12 by JP

Submitted: 12/18/2012 09:50
Reported: 01/02/2013 11:00

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BAS14

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 w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1

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

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	12354A53A	12/19/2012 17:45	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	12354A53A	12/19/2012 17:45	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12354A53A	12/19/2012 17:45	Catherine J Schwarz	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123550026A	12/31/2012 01:55	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123550026A	12/21/2012 07:30	Catherine R Wiker	1

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

LLI Sample # WW 6898842
LLI Group # 1357127
Account # 11260

Project Name: 90129

Collected: 12/15/2012 11:40 by JP

Submitted: 12/18/2012 09:50
Reported: 01/02/2013 11:00

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BAS15

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 w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	68	1

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

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	12354A53A	12/19/2012 18:12	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	12354A53A	12/19/2012 18:12	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12354A53A	12/19/2012 18:12	Catherine J Schwarz	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123550026A	12/31/2012 02:17	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123550026A	12/21/2012 07:30	Catherine R Wiker	1

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Analysis Report

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

LLI Sample # WW 6898843
LLI Group # 1357127
Account # 11260

Project Name: 90129

Collected: 12/15/2012 10:38 by JP

Submitted: 12/18/2012 09:50
Reported: 01/02/2013 11:00

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BAS16

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	330	0.5	1
02102	Ethylbenzene	100-41-4	280	0.5	1
02102	Methyl tert-Butyl Ether	1634-04-4	N.D.	39	1
02102	Toluene	108-88-3	12	0.5	1
02102	Total Xylenes	1330-20-7	34	1.5	1
	Reporting limits were raised due to interference from the sample matrix.				
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	60	30	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	69	1
	The reverse surrogate, capric acid, is 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	12354A53A	12/19/2012 18:39	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	12354A53A	12/19/2012 18:39	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12354A53A	12/19/2012 18:39	Catherine J Schwarz	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123550026A	12/31/2012 02:40	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123550026A	12/21/2012 07:30	Catherine R Wiker	1

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Quality Control Summary

Client Name: Chevron Group Number: 1357127
Reported: 01/02/13 at 11:00 AM

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: Z123621AA	Sample number(s): 6898833-6898834,6898838-6898840							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	94		68-121		
Batch number: 12354A53A	Sample number(s): 6898832-6898843							
Benzene	N.D.	0.5	ug/l	105	107	80-120	2	30
Ethylbenzene	N.D.	0.5	ug/l	109	110	80-120	1	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	113	117	79-120	4	30
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	87	87	75-135	0	30
Toluene	N.D.	0.5	ug/l	107	109	80-120	1	30
Total Xylenes	N.D.	1.5	ug/l	111	112	80-120	1	30
Batch number: 123550025A	Sample number(s): 6898833-6898835							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	67	71	50-120	6	20
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 123550026A	Sample number(s): 6898836-6898843							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	62	64	50-120	3	20
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: Z123621AA	Sample number(s): 6898833-6898834,6898838-6898840 UNSPK: P905096								
Methyl Tertiary Butyl Ether	99	102	72-126	2	30				

Surrogate Quality Control

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

Analysis Name: UST VOCs by 8260B - Water
Batch number: Z123621AA

Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene

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

Quality Control Summary

Client Name: Chevron Group Number: 1357127
Reported: 01/02/13 at 11:00 AM

Surrogate Quality Control

6898833	96	96	103	96
6898834	94	95	103	97
6898838	94	95	102	100
6898839	94	93	99	91
6898840	95	96	101	98
Blank	97	97	103	94
LCS	97	99	102	99
MS	95	99	103	97
MSD	95	98	102	98
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Method 8021 Water Master
Batch number: 12354A53A

	Trifluorotoluene-P	Trifluorotoluene-F
6898832	85	69
6898833	123*	134
6898834	86	80
6898835	84	70
6898836	91	78
6898837	86	70
6898838	97	123
6898839	98	90
6898840	63	73
6898841	85	68
6898842	84	69
6898843	142*	179*
Blank	85	70
LCS	85	83
LCSD	85	84
Limits:	51-120	63-135

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 123550025A

	Orthoterphenyl
6898833	82
6898834	79
6898835	96
Blank	98
LCS	100
LCSD	98
Limits:	50-150

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 123550026A

	Orthoterphenyl
6898836	80
6898837	79
6898838	81
6898839	84
6898840	79

*- 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: 1357127
Reported: 01/02/13 at 11:00 AM

Surrogate Quality Control

6898841	84
6898842	80
6898843	84
Blank	80
LCS	91
LCSD	92
Limits:	50-150

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

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. #: 11260 Group # 1357127 Sample #: 6898832-43

SCR #:

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

Site Address: 4700 Brooklyn Avenue, SEATTLE, WA

Chevron PM: MHO Lead Consultant: SAICRO Otteman

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
Q.A	12.16.12		X			X		2	X			X				
MW-3		0722	X			X		6	X			X	X			
MW-4		0655	X			X		6	X			X	X			
MW-5		0650	X			X		6	X			X	X			
MW-6		0752	X			X		6	X			X	X			
MW-7		1006	X			X		6	X			X	X			
MW-9		0818	X			X		6	X			X	X			
MW-12		0626	X			X		6	X			X	X			
MW-13		0847	X			X		6	X			X	X			
MW-14		1112	X			X		6	X			X	X			
MW-15		1140	X			X		6	X			X	X			
MW-16		1038	X			X		6	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

Confirm all MTBE hits using EPA method 8260.
Please forward the lab results directly to the Lead Consultant and cc: G-R.

Turnaround Time Requested (TAT) (please circle)

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

EDF/EDD

Data Package Options (please circle if required)

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

	Date	Time		Date	Time
Relinquished by:	12.17.12	1500	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	12/18/12	950

Temperature Upon Receipt 0.5°-3.2°C

Custody Seals Intact? Yes No

3468.02

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Explanation of Symbols and Abbreviations

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

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