



September 13, 2013

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

Subject: **Second Quarter 2013 Groundwater Monitoring and Sampling Report
Chevron Service Station No. 90129**
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 second quarter 2013 groundwater monitoring and sampling event at Chevron Service Station No. 90129 (the site) in Seattle, Washington (Figure 1).

FIELD ACTIVITIES

Gettler-Ryan Inc. (Gettler-Ryan) conducted the groundwater monitoring and sampling field event on July 20-21, 2013. Gettler-Ryan collected depth-to-groundwater measurements and checked for the presence of separate-phase hydrocarbons (SPH) in 15 of the 17 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-9 (SPH), MW-10 (SPH), MW-11 (SPH), and MW-13 (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.
- Total lead by United States Environmental Protection Agency Method 6020.

SAIC Energy, Environment & Infrastructure, LLC

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In addition, all MTBE detections were confirmed 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 84.30 feet in monitoring well MW-3 to 79.94 feet in monitoring well MW-14, based on an arbitrary benchmark elevation of 100.00 feet (Figure 2). Groundwater elevations decreased an average of 0.16 feet since the previous quarterly monitoring event in March 2013. Groundwater flows toward the northeast at a gradient of approximately 0.02 to 0.03 feet per foot. SPH were detected in monitoring wells MW-9, MW-10, MW-11, and MW-13 at thicknesses of 0.02, 0.48, 0.02 and 0.02 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-12, MW-16, and RW-1;
- TPH-DRO in monitoring wells MW-4 and MW-12;
- TPH-HRO in monitoring well MW-4;
- Benzene in monitoring wells MW-3, MW-4, MW-12, MW-16, and RW-1;
- Toluene in monitoring well MW-12;
- Ethylbenzene in monitoring wells MW-3 and MW-12;
- Total xylenes in monitoring well MW-12; and
- Total lead in monitoring wells MW-3 and 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 the most recent historical data reported at the site. Petroleum hydrocarbon concentrations have also remained consistent with historical data. This is the first sampling event in which SPH were detected in monitoring well MW-9. 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. This was the first sampling event to include recovery well RW-1. Gasoline-range hydrocarbons and benzene in well RW-1 were detected at concentrations above their respective 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 four 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.

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 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: Mr. Bhupinder S. Mac – Property Owner
5960 Canoga Avenue, Woodland Hills, CA 91367
Project File

REPORT LIMITATIONS

This technical document was prepared on behalf of CEMC and is intended for its sole use and for use by the local, state or federal regulatory agency that the technical document was sent to by 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.

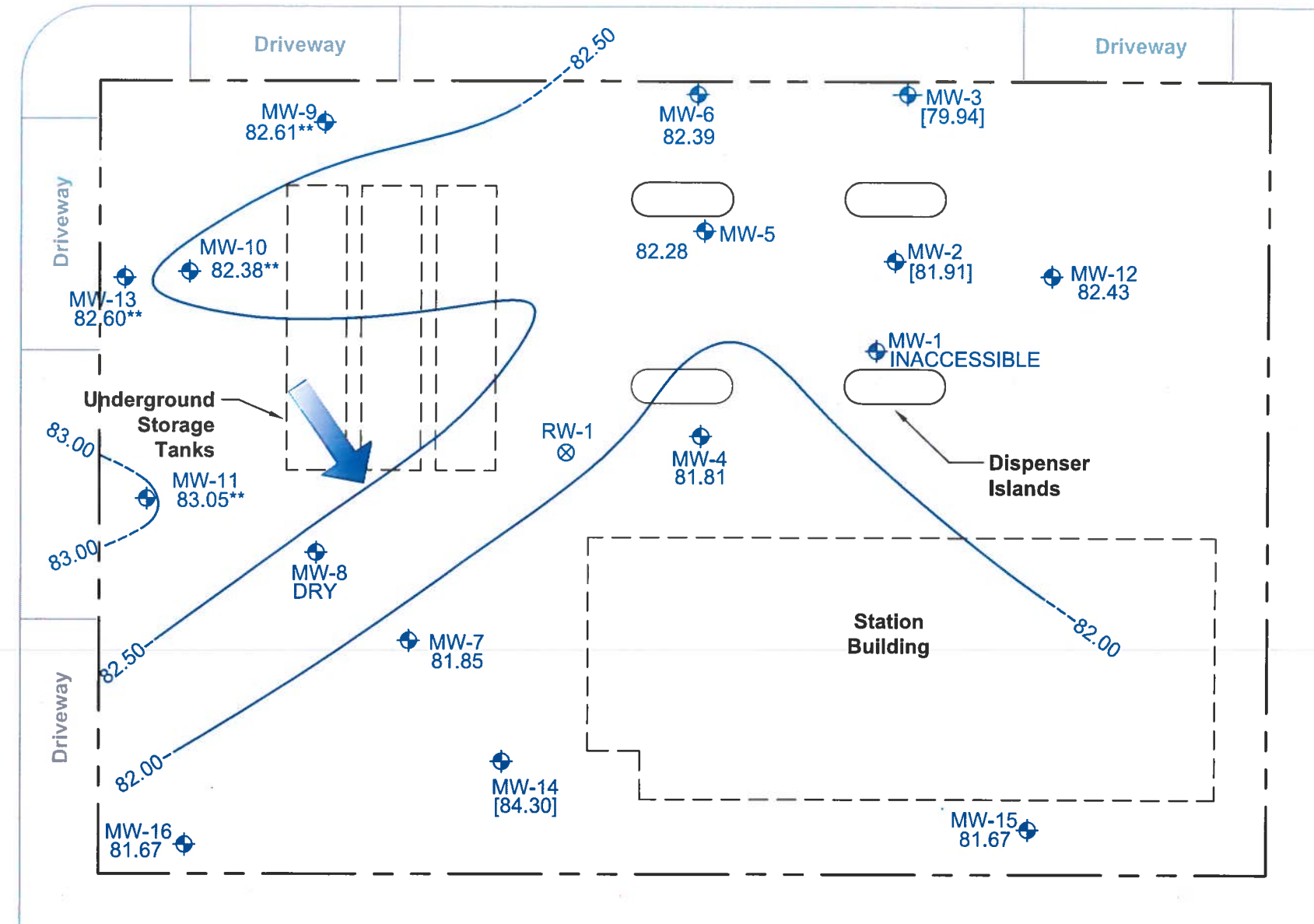
Opinions and recommendations presented in this technical document apply only to site conditions and features as they existed at the time of SAIC's site visits or site work and cannot be applied to conditions and features of which SAIC is unaware and has not had the opportunity to evaluate.

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.

BROOKLYN AVENUE



NE 47TH STREET



Safeway
Parking Lot

Station
Building

LEGEND

- MW-6 ◆ Groundwater Monitoring Well
- RW-1 ⊗ Recovery Well
- 81.85 Groundwater Elevation in Feet
- 83.05** 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)
- [84.30] Groundwater Elevation Not Used in Contours
- ← Approximate Groundwater Flow Direction at a Gradient of 0.02 to 0.03 Ft./Ft.



Gabriel Cisneros

Gabriel Cisneros
5/13/13

SAIC

Chevron Service Station No. 90129
4700 Brooklyn Avenue
Seattle, Washington

FIGURE 2
Potentiometric Map
July 20, 2013

**TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 90129**

**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	--	--	--	--	--	--	--	--	--	--	--	--
3/16/13		--	INACCESSIBLE	--	--	--	--	--	--	--	--	--	--	--	--
7/20/13		--	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	--	--

**TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 90129**

**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	30/24⁶	--
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					--	--	--	--
3/16/13		100.05	--	19.78	--	80.27	DRY	--	--	--	--	--	--	--	--
7/21/13		100.05	--	18.14	--	81.91	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
MW-3															
1/22/90		101.25	--	--	--	--	--	--	85,000	1,380	14,100	2,060	12,800	--	--
4/12/91		101.25	--	--	--	--	--	--	2,500	3.6	39	18	69	--	--
6/28/91		101.25	--	--	--	--	--	--	6,600	63	680	210	870	--	--
9/18/91		101.25	--	--	--	--	--	--	4,900	ND	82	86	300	--	--
12/3/91		101.25	--	--	--	--	--	--	17,000	170	2,200	710	2,800	--	--
2/25/92		101.25	--	--	--	--	--	--	7,900	25	150	210	920	--	--
5/15/92		101.25	--	--	--	--	--	--	9,800	90	1,100	260	1,300	--	--
7/31/92		101.25	--	15.81	--	85.44	--	--	--	--	--	--	--	--	--
8/18/92		101.25	--	15.94	--	85.31	--	--	24,000	290	4,200	7,200	3,800	--	--

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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)																
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	--
3/16/13		101.25	--	18.08	--	83.17	100	<69	4,000	76	35	420	170	<73	--
7/21/13		101.25	--	21.31	--	79.94	250	76	8,000	210	100	840	410	110/<1 ⁶	58.9
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	--	--

**TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 90129**

**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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GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 90129

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)															
10/14/03	NP	100.01	--	16.56	0.00	83.45	--	--	13,000	550	17	280	690	150/140⁶	--
1/7/04	NP	100.01	--	16.02	0.00	83.99	--	--	12,000	370	8.9	24	650	62/47⁶	--
4/21/04	NP	100.01	--	15.83	0.00	84.18	--	--	1,300	69	0.7	3.2	24	78/78⁶	--
7/1/04	NP	100.01	--	16.02	0.00	83.99	--	--	980	90	0.7	3.9	15	67/70⁶	--
10/15/04	NP	100.01	--	16.41	0.00	83.60	--	--	9,900	530	9.0	240	510	140/110⁶	--
1/5/05	NP	100.01	--	16.14	0.00	83.87	--	--	14,000	630	9.8	330	660	130/110⁶	--
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	--
3/16/13		100.01	--	17.86	0.00	82.15	4,000	420	2,200	75	4.2	25	19	9.6/9 ⁶	--
7/21/13		100.01	--	18.20	0.00	81.81	5,900	700	2,200	150	<5.0	83	<25	12/10 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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CHEVRON SERVICE STATION NO. 90129

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-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	--
3/16/13		100.75	--	18.04	--	82.71	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
7/21/13		100.75	--	18.47	--	82.28	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--

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4700 Brooklyn Avenue
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Well ID/ Date	Purge Method	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE ³ (ft.)	THP- DRO	TPH- HRO	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	D. Lead (mg/L)
MW-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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 Seattle, Washington

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Well ID/ Date	Purge Method	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE ³ (ft.)	THP- DRO	TPH- HRO	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	D. Lead (mg/L)
MW-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	--
3/16/13		100.93	--	18.06	--	82.87	<29	<67	110	0.5	1.9	0.5	4.8	<2.5	--
7/21/13		100.93	--	18.54	--	82.39	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	<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	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 90129

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-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	--
3/16/13		99.07	--	17.27	--	81.80	<30	<70	280	2.7	<0.5	5.8	<1.5	<2.5	--
7/21/13		99.07	--	17.22	--	81.85	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
MW-8															
4/11/01		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED															
12/17-18/09		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--
3/17/10		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--
06/22-23/10		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--
9/13/10		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--
12/20/10		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--
6/16/11		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--
9/22/11		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--
1/14/12		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--
3/31/12		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--
6/2/12		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 90129

4700 Brooklyn Avenue
Seattle, Washington

Concentrations reported in µg/L unless otherwise noted

Well ID/ Date	Purge Method	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE ³ (ft.)	THP- DRO	TPH- HRO	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	D. Lead (mg/L)
MW-8 (cont)															
9/30/12		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--
12/15/12		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--
3/16/13		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--
7/20/13		--	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	--	--

**TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 90129**

**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-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	--
3/16/13		100.02	--	16.86	0.00	83.16	9,700	520	21,000	120	20	330	700	32/<5 ⁶	--
7/20/13		100.02	17.41	17.43	0.02	82.61	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--
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	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 90129
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-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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**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-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					--	--	--	--
3/16/13		99.18	16.27	16.42	0.15	82.88	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--
7/20/13		99.18	16.70	17.18	0.48	82.38	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	--	--	--	--	--	--	--	--	--

**TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 90129**

**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	--	--	--	--	--	--	--	--	--

**TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 90129**

**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)																
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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GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 90129

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)															
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					--	--	--	--
3/16/13		98.43	15.64	15.66	0.02	82.79	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--
7/20/13		99.18	16.13	16.15	0.02	83.05	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	--
3/16/13		100.50	--	17.49	0.00	83.01	1,900	230	130,000	9,200	18,000	2,600	18,000	250/<5 ⁶	--
7/20/13		100.50	--	18.07	0.00	82.43	930	210	170,000	14,000	25,000	3,200	23,000	300/<10 ⁶	28.5
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	--	--	--	--	--	--	--	--	--

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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)																
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	--	

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 90129

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)															
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	--
3/16/13		99.01	--	16.06	0.00	82.95	2,100	<76	9,000	83	8.0	100	97	18/<3 ⁶	--
7/20/13		99.01	16.41	16.43	0.02	82.60	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--
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	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 90129

4700 Brooklyn Avenue
Seattle, Washington

Concentrations reported in µg/L unless otherwise noted

Well ID/ Date	Purge Method	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE ³ (ft.)	THP- DRO	TPH- HRO	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	D. Lead (mg/L)
MW-14 (cont)															
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	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 90129

4700 Brooklyn Avenue
Seattle, Washington

Concentrations reported in µg/L unless otherwise noted

Well ID/ Date	Purge Method	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE ³ (ft.)	THP- DRO	TPH- HRO	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	D. Lead (mg/L)
MW-14 (cont)															
4/21/04		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	--
3/16/13		99.53	--	18.23	--	81.30	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
7/21/13		99.53	--	15.23	--	84.30	<29	<67	<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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GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 90129

4700 Brooklyn Avenue
Seattle, Washington

Concentrations reported in µg/L unless otherwise noted

Well ID/ Date	Purge Method	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE ³ (ft.)	THP- DRO	TPH- HRO	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	D. Lead (mg/L)	
MW-15 (cont.)																
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	--	
3/16/13		98.83	--	16.85	--	81.98	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	
7/21/13		98.83	--	17.16	--	81.67	<29	<67	<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	

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CHEVRON SERVICE STATION NO. 90129

4700 Brooklyn Avenue
Seattle, Washington

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Well ID/ Date	Purge Method	TOC ² (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE ³ (ft.)	THP- DRO	TPH- HRO	TPH-GRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	D. Lead (mg/L)	
MW-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	--	
3/16/13		97.80	--	15.77	--	82.03	57	<71	3,200	290	11	250	28	37/<3 ⁶	--	
7/21/13		97.80	--	16.13	--	81.67	95	<67	3,000	290	10	250	25	32/<1 ⁶	--	
RW-1																
7/21/13		--	--	19.11	--	--	<29	<68	1,100	49	220	23	110	2.8/<0.5 ⁶	--	

**TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS¹
CHEVRON SERVICE STATION NO. 90129**

**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 RESULTS¹
CHEVRON SERVICE STATION NO. 90129

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	--
3/16/13		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
7/20/13		--	--	--	--	--	--	--	<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:

- Analytical results in bold font indicate concentrations exceed MTCA Method A cleanup levels.
- TOC elevations have been surveyed as feet relative to an arbitrary site datum.
- When SPH is present, GWE has been corrected using the following formula: $GWE = [(TOC - DTW) + (SPHT \times 0.80)]$.
- Laboratory report indicates this sample was laboratory filtered.
- Laboratory indicates they did not receive a QA sample. No results were provided.
- MTBE detection confirmed by USEPA Method 8260.
- 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.
- Analyzed with silica-gel clean up.

Attachment A:
Groundwater Monitoring and Sampling Data Package



GETTLER-RYAN INC.



TRANSMITTAL

July 25, 2013
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 Second Quarter Event of July 20 and 21, 2013

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: **7-20/21-13**
 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
1	Skid Overpack PHOTO	FAIR	TBD	TBD	ENCLOSURE

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	R	6000	N.A	N.A	8" HOLLYWOOD x 2	
MW-2	6000	6000	R	R	12" EMCO x 2	PHOTO
MW-3	6000	6000	6000	6000	12" EMCO x 2	
MW-4	6000	6000	6000	6000	12" EMCO x 2	
MW-5	R	6000	6000	6000	8" HOLLY x 2	
MW-6	R	6000	6000	R	8" MORRIS x 3	
MW-7	R	6000	6000	6000	8" MORRIS x 3	
MW-8	6000				8" MORRIS x 3	
MW-9	R	6000			8" MORRIS x 3	
MW-10	6000				8" MORRIS x 3	
MW-11	R	6000			8" MORRIS x 3	
MW-12	R	6000	6000	R	8" HOLLYWOOD x 2	
MW-13	6000				8" MORRIS x 3	
MW-14	6000				12" EMCO x 2	
MW-15	6000				8" MORRIS x 3	
MW-16	6000				8" MORRIS x 3	
AW-1	M	M x 2	6000	6000	WHEEL RATE	MISSING HANDLE

Additional Comments/Observations: _____

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
 Site Address: 4700 Brooklyn Avenue
 City: Seattle, WA

Job Number: 386649
 Event Date: 7-21/21-13 (inclusive)
 Sampler: J.P.

Well ID: MW-1
 Well Diameter: 2
 Total Depth: _____ ft.
 Depth to Water: VTA ft.

Date Monitored: 7-21-13

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

Check if water column is less than 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: I have checked well VTA - I have took photo of well. Not able to remove cap. Will have to drill a hole to gain access. Photo

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: 7-24/21-13 (inclusive)
 City: Seattle, WA Sampler: J.P.

Well ID: MW-2 Date Monitored: 7-24-13

Well Diameter: 2

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

Total Depth: 19.78 ft.

Depth to Water: 18.14 ft.

Check if water column is less than 0.50 ft.

1.64 x VF .17 = .27 x3 case volume = Estimated Purge Volume: 1 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 18.46

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): 7:30 Weather Conditions: Cloudy, Fog
 Sample Time/Date: 7:39 7-21-13 Water Color: clear Odor: (Y) N mild
 Approx. Flow Rate: _____ gpm. Sediment Description: NONE
 Did well de-water? YES If yes, Time: 7:39 Volume: _____ gal. DTW @ Sampling: 18.32

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - ps)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>7:36</u>	<u>1</u>	<u>6.90</u>	<u>570</u>	<u>14.9</u>	<u>0</u>	<u>-68.3</u>
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

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

COMMENTS: MW-2 WENT DRY SEVERAL TIMES FILLING CONTAINERS.

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: 7.20/21.13 (inclusive)
 City: Seattle, WA Sampler: VP

Well ID: MW-3 Date Monitored: 7.20.13
 Well Diameter: 2
 Total Depth: 18.12 ft.
 Depth to Water: 11.3 ft. Check if water column is less than 0.50 ft.
16.8 xVF - = - x3 case volume = Estimated Purge Volume: - gal.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: -

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

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: No filter sample

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): 9:06 Weather Conditions: SUN
 Sample Time/Date: 9:12 / 7.21.13 Water Color: cloudy Odor: (Y) N STRONG
 Approx. Flow Rate: _____ gpm. Sediment Description: YELLOWISH
 Did well de-water? No If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 21.3

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C F)	D.O. (mg/L)	ORP (mV)
<u>No filter</u>		<u>6.67</u>	<u>549</u>	<u>16.2</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	<u>2</u> x vov vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc
	<u>1</u> x 1 <u>poly</u>	YES	<u>HNO3</u>	<u>LANCASTER</u>	<u>TOTAL LEAD 6020</u>

COMMENTS:

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0129
 Site Address: 4700 Brooklyn Avenue
 City: Seattle, WA

Job Number: 386649
 Event Date: 7.20/21.13 (inclusive)
 Sampler: J.P.

Well ID: MW-4
 Well Diameter: 2
 Total Depth: 21.53 ft.
 Depth to Water: 18.20 ft.
3.33 x VF = - = - x3 case volume = Estimated Purge Volume: - gal.

Date Monitored: 7.20.13

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

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 18.20

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: No Purge

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): 6:02 Weather Conditions: Sun
 Sample Time/Date: 7:13 / 7.21.13 Water Color: cloudy Odor: (Y) N STRONG
 Approx. Flow Rate: _____ gpm. Sediment Description: (BROWN - YELLOW)
 Did well de-water? No If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 18.20

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-4	10 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS: WELL TO HEAVY SCREEN

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: 7-20/21-13 (inclusive)
 City: Seattle, WA Sampler: J.P.

Well ID: MW-5 Date Monitored: 7-20-13
 Well Diameter: 2
 Total Depth: 21.61 ft.
 Depth to Water: 18.47 ft. Check if water column is less than 0.50 ft.
3.14 xVF .17 = .53 x3 case volume = Estimated Purge Volume: 2 gal.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 19.69

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

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 0800 Weather Conditions: Sun
 Sample Time/Date: 0802 + 7-21-13 Water Color: CLEAR Odor: Y / (N)
 Approx. Flow Rate: _____ gpm. Sediment Description: NONE
 Did well de-water? No If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 18.43

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>0813</u>	<u>1</u>	<u>6.21</u>	<u>.344</u>	<u>15.3</u>		
<u>0849</u>	<u>1</u>	<u>6.14</u>	<u>.248</u>	<u>14.0</u>		

LABORATORY INFORMATION

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

COMMENTS:

Blank

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0129
 Site Address: 4700 Brooklyn Avenue
 City: Seattle, WA

Job Number: 386649
 Event Date: 7.21.13 (inclusive)
 Sampler: J.P.

Well ID: MW-6
 Well Diameter: 2
 Total Depth: 22.31 ft.
 Depth to Water: 18.54 ft.
3.77 xVF .17 = .04

Date Monitored: 7.21.13

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

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 19.29

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): 0930
 Sample Time/Date: 0945 / 7.21.13
 Approx. Flow Rate: _____ gpm.
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 19.13

Weather Conditions: SUN
 Water Color: cloudy Odor: (P) / N mild
 Sediment Description: GREYISH ORANGE

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>0930</u>	<u>1</u>	<u>6.20</u>	<u>.479</u>	<u>15.1</u>		
<u>0939</u>	<u>1</u>	<u>6.21</u>	<u>.401</u>	<u>14.8</u>		

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: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0129
 Site Address: 4700 Brooklyn Avenue
 City: Seattle, WA

Job Number: 386649
 Event Date: 7-20-13 | 21-13 (inclusive)
 Sampler: JP

Well ID: MW-7
 Well Diameter: 2
 Total Depth: 20.104 ft.
 Depth to Water: 17.22 ft.
3.42 x VF .17 = .58

Date Monitored: 7-20-13

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

Check if water column is less than 0.50 ft.

x3 case volume = Estimated Purge Volume: 2 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 17.04

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): 10:11 Weather Conditions: SUN
 Sample Time/Date: 10:17 | 7-21-13 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: 17.83

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C F)	D.O. (mg/L)	ORP (mV)
<u>10:15</u>	<u>1</u>	<u>6.22</u>	<u>.326</u>	<u>16.1</u>		
<u>10:21</u>	<u>2</u>	<u>6.24</u>	<u>.350</u>	<u>14.8</u>		

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
 Site Address: 4700 Brooklyn Avenue
 City: Seattle, WA

Job Number: 386649
 Event Date: 7.24/21.13 (inclusive)
 Sampler: J.P.

Well ID: MW-10
 Well Diameter: 2
 Total Depth: 21.20 ft.
 Depth to Water: dry ft.

Date Monitored: 7.24.13

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

Check if water column is less than 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: dry _____

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: dry @ 21.20 J. Payne checked 6/5 for further instruction and checked historical table.

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0129
 Site Address: 4700 Brooklyn Avenue
 City: Seattle, WA

Job Number: 386649
 Event Date: 7.20/21.13 (inclusive)
 Sampler: JIP

Well ID: MW-9
 Well Diameter: 2
 Total Depth: 21.910 ft.
 Depth to Water: 17.43 ft.
3.93 xVF = _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 7.20.13

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

Check if water column is less than 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: 1211 (2400 hrs)
 Time Completed: 1229 (2400 hrs)
 Depth to Product: 17.41 ft
 Depth to Water: 17.43 ft
 Hydrocarbon Thickness: .02 ft
 Visual Confirmation/Description: YELLOWISH TO CLEAR
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: 0 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:

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0129
 Site Address: 4700 Brooklyn Avenue
 City: Seattle, WA

Job Number: 386649
 Event Date: 7.20/21.13 (inclusive)
 Sampler: J.P.

Well ID: MW-10
 Well Diameter: 2
 Total Depth: 21.37 ft.
 Depth to Water: 17.18 ft.
4.19 xVF = - = -

Date Monitored: 7.20.13

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

Check if water column is less than 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: 1329 (2400 hrs)
 Time Completed: 1342 (2400 hrs)
 Depth to Product: 16.70 ft
 Depth to Water: 17.18 ft
 Hydrocarbon Thickness: .40 ft
 Visual Confirmation/Description:
BROWN - YELLOW
 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 (umhos/cm - uS)	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: J. Payne observed absorbant sock in well, removed then
GRADE DIP DTW

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0129
 Site Address: 4700 Brooklyn Avenue
 City: Seattle, WA

Job Number: 386649
 Event Date: 7.20/21.13 (inclusive)
 Sampler: J.P

Well ID: MW-11
 Well Diameter: 2
 Total Depth: 21.63 ft.
 Depth to Water: 16.15 ft.
6.48 xVF = - = - x3 case volume = Estimated Purge Volume: - gal.

Date Monitored: 7.20.13

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

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 17.44

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: 1428 (2400 hrs)
 Time Completed: 1432 (2400 hrs)
 Depth to Product: 16.13 ft
 Depth to Water: 16.15 ft
 Hydrocarbon Thickness: 0.2 ft
 Visual Confirmation/Description:
Brownish Yellow
 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 (umhos/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: J. PAYNE CHANGED SOCK IN WELL, REMOVED THEN GAUGE

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0129
 Site Address: 4700 Brooklyn Avenue
 City: Seattle, WA

Job Number: 386649
 Event Date: 7-20/21-13 (inclusive)
 Sampler: J.P.

Well ID: MW-12
 Well Diameter: 2
 Total Depth: 21.34 ft.
 Depth to Water: 10.07 ft.
3.27 xVF = = x3 case volume = Estimated Purge Volume: gal.

Date Monitored: 7-20-13

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

Check if water column is less than 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: No purge sample

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

Start Time (purge): 1440 Weather Conditions: Sun
 Sample Time/Date: 15:00 17:00-13 Water Color: clear Odor: (Y) N STRONG
 Approx. Flow Rate: _____ gpm. Sediment Description: None
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 10.07

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-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
	1 x 250 Poly	YES	HNO3	LANCASTER	TOTAL LEAD <u>10/20/13</u>

COMMENTS: WELL TO HEAVY GREEN / SOME BUBBLES

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: 7.24/21.13 (inclusive)
 City: Seattle, WA Sampler: J.P.

Well ID: MW-13 Date Monitored: 7.24.13
 Well Diameter: 2
 Total Depth: 11.39 ft.
 Depth to Water: 16.43 ft.

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

Check if water column is less than 0.50 ft.

xVF - = - x3 case volume = Estimated Purge Volume: 7 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: 1412 (2400 hrs)
 Time Completed: 1419 (2400 hrs)
 Depth to Product: 16.41 ft
 Depth to Water: 16.43 ft
 Hydrocarbon Thickness: .62 ft
 Visual Confirmation/Description:
YELLOWISH TO CLEAR
 Skimmer / Absorbent 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 hole, UNAPL

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0129
 Site Address: 4700 Brooklyn Avenue
 City: Seattle, WA

Job Number: 386649
 Event Date: 7.26/21.13 (inclusive)
 Sampler: JJ

Well ID: MW-14
 Well Diameter: 2
 Total Depth: 13.27 ft.
 Depth to Water: 16.23 ft.
0.04 x VF .17 = 13

Date Monitored: 7.26.13

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

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 16.83
 x3 case volume = Estimated Purge Volume: 4 gal.

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): 11:44 Weather Conditions: SUN
 Sample Time/Date: 12:03 / 7.21.13 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: 16.72

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>11:50</u>	<u>1.5</u>	<u>6.90</u>	<u>.312</u>	<u>15.0</u>		
<u>11:54</u>	<u>3</u>	<u>6.90</u>	<u>.310</u>	<u>14.6</u>		
<u>12:00</u>	<u>4</u>	<u>6.40</u>	<u>.312</u>	<u>14.5</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-14</u>	<u>6</u> x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	<u>2</u> 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
 Site Address: 4700 Brooklyn Avenue
 City: Seattle, WA

Job Number: 386649
 Event Date: 7-24/21-13 (inclusive)
 Sampler: J.P.

Well ID: MW-15
 Well Diameter: 2
 Total Depth: 24.48 ft.
 Depth to Water: 17.16 ft.
7.32 x VF .17 = 1.2

Date Monitored: 7-24-13

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

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 18.62
 x3 case volume = Estimated Purge Volume: 4 gal.

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): 1053 Weather Conditions: SUN
 Sample Time/Date: 1114 / 7-21-13 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: 18.31

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (μ mhos/cm - μ S)	Temperature (C F)	D.O. (mg/L)	ORP (mV)
<u>1059</u>	<u>1.5</u>	<u>6.88</u>	<u>.296</u>	<u>14.9</u>		
<u>1105</u>	<u>3</u>	<u>6.90</u>	<u>.295</u>	<u>14.6</u>		
<u>1111</u>	<u>4</u>	<u>6.92</u>	<u>.292</u>	<u>14.4</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-15	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
 Site Address: 4700 Brooklyn Avenue
 City: Seattle, WA

Job Number: 386649
 Event Date: 7.26/21.13 (inclusive)
 Sampler: J.P

Well ID: MW-10
 Well Diameter: 2
 Total Depth: 24.66 ft.
 Depth to Water: 10.13 ft.
8.43 x VF = 1.4

Date Monitored: 7.26.13

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

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 17.81

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): 1227 Weather Conditions: Sun
 Sample Time/Date: 1241 7.21.13 * 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: 17.63

Time (2400 hr.)	Volume (gal.)	pH	Conductivity ($\mu\text{mhos/cm} - \text{pS}$)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>1224</u>	<u>1.75</u>	<u>6.24</u>	<u>300</u>	<u>15.6</u>		
<u>1241</u>	<u>3.25</u>	<u>6.29</u>	<u>300</u>	<u>14.8</u>		
<u>1248</u>	<u>5</u>	<u>6.35</u>	<u>301</u>	<u>14.6</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-10	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc
	1 x 1 gal	YES	HNO ₃	LANCASTER	TOTAL LEAD <u>6.25</u>

COMMENTS: * MODERATE GREENING

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0129
 Site Address: 4700 Brooklyn Avenue
 City: Seattle, WA

Job Number: 386649
 Event Date: 7.24/21.13 (inclusive)
 Sampler: J.P

Well ID: MW- RW.1

Date Monitored: 7.24.13

Well Diameter: 2

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

Total Depth: 20.00 ft.

Depth to Water: 19.11 ft.

Check if water column is less than 0.50 ft.

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

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 21.12

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

Start Time (purge): 6:21

Weather Conditions: SUN

Sample Time/Date: 6:24 / 7-21-13

Water Color: CLEAR Odor: (P) N MILD

Approx. Flow Rate: 0.0 gpm.

Sediment Description: NONE

Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 21.11

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - pH)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>6:24</u>	<u>1.8</u>	<u>6.26</u>	<u>.330</u>	<u>14.8</u>	<u>φ</u>	<u>-23.10</u>
<u>6:27</u>	<u>2.1</u>	<u>6.26</u>	<u>.339</u>	<u>14.8</u>	<u>φ</u>	<u>-24.9</u>
<u>6:35</u>	<u>2.4</u>	<u>6.27</u>	<u>.340</u>	<u>14.9</u>	<u>φ</u>	<u>-26.2</u>

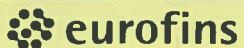
LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW	<u>10</u> x vva vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
<u>RW.1</u>	<u>2</u> x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS: AVEN KEY WRENCH NEEDED, WELL COVER IS MISSING HANDLE. PHOTO

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: Mx2

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories

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

1 Client Information Facility # _____ WBS _____ 4700 Brooklyn Avenue, SEATTLE, WA Site Address _____ MHO SAICRO Ruth Otteman Chevron PM _____ Lead Consultant _____ Gettler-Ryan, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568 Consultant/Office _____ Deanna L. Harding, (deanna@grinc.com), (925) 551-7444 x130 Consultant Project Mgr. _____ (425) 482-3328 x _____ Consultant Phone # _____ Sampler _____ V. Payne				4 Matrix Sediment <input type="checkbox"/> Potable <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> Soil <input type="checkbox"/> NPDES <input type="checkbox"/> Surface <input type="checkbox"/> Water <input type="checkbox"/> Air <input type="checkbox"/> Oil <input type="checkbox"/>				5 Analyses Requested Total Number of Containers _____ BTEX + MTBE 8021 <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> Naphth <input type="checkbox"/> 8260 full scan _____ Oxygenates _____ NWTPH-Gx _____ NWTPH-Dx with Silica Gel Cleanup <input checked="" type="checkbox"/> NWTPH-Dx without Silica Gel Cleanup <input type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input type="checkbox"/> Lead Total <input checked="" type="checkbox"/> Diss. <input type="checkbox"/> Method <input checked="" type="checkbox"/>												SGR # _____																																																																																																																																																																																																																																																																																																																																
2 Sample Identification Collected _____ Date _____ Time _____ Grab _____ Composite _____				<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Sample ID</th> <th>Date</th> <th>Time</th> <th>Grab</th> <th>Composite</th> <th>Soil</th> <th>Water</th> <th>Oil</th> <th>Total Containers</th> <th>BTEX + MTBE</th> <th>8021</th> <th>8260</th> <th>Naphth</th> <th>8260 full scan</th> <th>Oxygenates</th> <th>NWTPH-Gx</th> <th>NWTPH-Dx with Silica Gel Cleanup</th> <th>NWTPH-Dx without Silica Gel Cleanup</th> <th>WA VPH</th> <th>WA EPH</th> <th>Lead</th> <th>Total</th> <th>Diss.</th> <th>Method</th> </tr> </thead> <tbody> <tr> <td>Q.A</td> <td>7.21.13</td> <td></td> <td>X</td> <td></td> <td></td> <td>X</td> <td></td> <td>2</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MW-2</td> <td>7.21</td> <td>0739</td> <td>X</td> <td></td> <td></td> <td>X</td> <td></td> <td>8</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MW-3</td> <td>7.21</td> <td>0912</td> <td>X</td> <td></td> <td></td> <td>X</td> <td></td> <td>9</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>MW-4</td> <td>7.21</td> <td>0713</td> <td>X</td> <td></td> <td></td> <td>X</td> <td></td> <td>8</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MW-5</td> <td>7.21</td> <td>0852</td> <td>X</td> <td></td> <td></td> <td>X</td> <td></td> <td>8</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MW-6</td> <td>7.21</td> <td>0943</td> <td>X</td> <td></td> <td></td> <td>X</td> <td></td> <td>8</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MW-7</td> <td>7.21</td> <td>1027</td> <td>X</td> <td></td> <td></td> <td>X</td> <td></td> <td>8</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MW-12</td> <td>7.21</td> <td>1400</td> <td>X</td> <td></td> <td></td> <td>X</td> <td></td> <td>9</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>MW-14</td> <td>7.21</td> <td>1703</td> <td>X</td> <td></td> <td></td> <td>X</td> <td></td> <td>8</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MW-15</td> <td>7.21</td> <td>1114</td> <td>X</td> <td></td> <td></td> <td>X</td> <td></td> <td>8</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MW-16</td> <td>7.21</td> <td>1252</td> <td>X</td> <td></td> <td></td> <td>X</td> <td></td> <td>8</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>RW-1</td> <td>7.21</td> <td>0650</td> <td>X</td> <td></td> <td></td> <td>X</td> <td></td> <td>8</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>												Sample ID	Date	Time	Grab	Composite	Soil	Water	Oil	Total Containers	BTEX + MTBE	8021	8260	Naphth	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead	Total	Diss.	Method	Q.A	7.21.13		X			X		2	X						X										MW-2	7.21	0739	X			X		8	X						X	X									MW-3	7.21	0912	X			X		9	X						X	X					X				MW-4	7.21	0713	X			X		8	X						X	X									MW-5	7.21	0852	X			X		8	X						X	X									MW-6	7.21	0943	X			X		8	X						X	X									MW-7	7.21	1027	X			X		8	X						X	X									MW-12	7.21	1400	X			X		9	X						X	X					X				MW-14	7.21	1703	X			X		8	X						X	X									MW-15	7.21	1114	X			X		8	X						X	X									MW-16	7.21	1252	X			X		8	X						X	X					X				RW-1	7.21	0650	X			X		8	X						X	X									6 Remarks Confirm all MTBE hits using EPA method 8260 Please forward the lab results directly to the Lead Consultant and cc: G-R. MW-16 - 9 CONTAINERS
Sample ID	Date	Time	Grab	Composite	Soil	Water	Oil	Total Containers	BTEX + MTBE	8021	8260	Naphth	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead	Total	Diss.	Method																																																																																																																																																																																																																																																																																																																													
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MW-4	7.21	0713	X			X		8	X						X	X																																																																																																																																																																																																																																																																																																																																				
MW-5	7.21	0852	X			X		8	X						X	X																																																																																																																																																																																																																																																																																																																																				
MW-6	7.21	0943	X			X		8	X						X	X																																																																																																																																																																																																																																																																																																																																				
MW-7	7.21	1027	X			X		8	X						X	X																																																																																																																																																																																																																																																																																																																																				
MW-12	7.21	1400	X			X		9	X						X	X					X																																																																																																																																																																																																																																																																																																																															
MW-14	7.21	1703	X			X		8	X						X	X																																																																																																																																																																																																																																																																																																																																				
MW-15	7.21	1114	X			X		8	X						X	X																																																																																																																																																																																																																																																																																																																																				
MW-16	7.21	1252	X			X		8	X						X	X					X																																																																																																																																																																																																																																																																																																																															
RW-1	7.21	0650	X			X		8	X						X	X																																																																																																																																																																																																																																																																																																																																				
7 Turnaround Time Requested (TAT) (please circle) Standard <input checked="" type="radio"/> 5 day 4 day 72 hour 48 hour 24 hour				Relinquished by _____ Date _____ Time _____ Received by _____ Date _____ Time _____				Relinquished by _____ Date _____ Time _____ Received by _____ Date _____ Time _____				9																																																																																																																																																																																																																																																																																																																																								
8 Data Package (circle if required) Type I - Full _____ Type VI (Raw Data) _____				EDD (circle if required) CVX-RTBU-FI_05 (default) Other: _____				Relinquished by Commercial Carrier: UPS _____ FedEx <input checked="" type="checkbox"/> Other _____ Temperature Upon Receipt _____ °C				Received by _____ Date _____ Time _____ Custody Seals Intact? Yes No																																																																																																																																																																																																																																																																																																																																								

Attachment B:
Laboratory Analysis Report

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

August 02, 2013

Project: 90129

Submittal Date: 07/23/2013
Group Number: 1405966
PO Number: 0015119898
Release Number: SHRILL HOPKINS
State of Sample Origin: WA

<u>Client Sample Description</u>	<u>Lancaster Labs (LL) #</u>
QA NA Water	7135624
MW-2 Grab Groundwater	7135625
MW-3 Grab Groundwater	7135626
MW-4 Grab Groundwater	7135627
MW-5 Grab Groundwater	7135628
MW-6 Grab Groundwater	7135629
MW-7 Grab Groundwater	7135630
MW-12 Grab Groundwater	7135631
MW-14 Grab Groundwater	7135632
MW-15 Grab Groundwater	7135633
MW-16 Grab Groundwater	7135634
RW-1 Grab Groundwater	7135635

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: Rachele Munoz
ELECTRONIC COPY TO	SAIC	Attn: Jamalyn Green
ELECTRONIC COPY TO	SAIC	Attn: Ruth Otteman

Respectfully Submitted,



Jill M. Parker
Senior Specialist

(717) 556-7262

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

LL Sample # WW 7135624
LL Group # 1405966
Account # 11260

Project Name: 90129

Collected: 07/20/2013

Chevron

6001 Bollinger Canyon Road

Submitted: 07/23/2013 09:20

L4310

Reported: 08/02/2013 22:32

San Ramon CA 94583

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	13205A53A	07/24/2013 19:32	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	13205A53A	07/24/2013 19:32	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13205A53A	07/24/2013 19:32	Catherine J Schwarz	1

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

LL Sample # WW 7135625
LL Group # 1405966
Account # 11260

Project Name: 90129

Collected: 07/21/2013 07:39 by JP

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Submitted: 07/23/2013 09:20

Reported: 08/02/2013 22:32

BASM2

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					
	ECY 97-602 NWTPH-Dx		ug/l	ug/l	
Hydrocarbons w/Si modified					
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	13205A53A	07/24/2013 20:52	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	13205A53A	07/24/2013 20:52	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13205A53A	07/24/2013 20:52	Catherine J Schwarz	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	132050022A	07/30/2013 23:34	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	132050022A	07/25/2013 07:05	Catherine R Wiker	1

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

LL Sample # WW 7135626
LL Group # 1405966
Account # 11260

Project Name: 90129

Collected: 07/21/2013 09:12 by JP

Chevron

6001 Bollinger Canyon Road

Submitted: 07/23/2013 09:20

L4310

Reported: 08/02/2013 22:32

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	
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	1	2.5
Reporting limits were raised due to interference from the sample matrix.					
GC Volatiles			ECY 97-602 NWTPH-Gx	ug/l	
08274	NWTPH-Gx water C7-C12	n.a.	8,000	250	5
GC Volatiles			SW-846 8021B	ug/l	
02102	Benzene	71-43-2	210	2.5	5
02102	Ethylbenzene	100-41-4	840	2.5	5
02102	Methyl tert-Butyl Ether	1634-04-4	110	13	5
02102	Toluene	108-88-3	100	2.5	5
02102	Total Xylenes	1330-20-7	410	7.5	5
GC Petroleum			ECY 97-602 NWTPH-Dx	ug/l	
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	250	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	76	68	1
The reverse surrogate, capric acid, is present at <1%.					
Metals			SW-846 6020	ug/l	
06035	Lead	7439-92-1	58.9	0.085	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	P132121AA	07/31/2013 20:41	Emily R Styer	2.5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P132121AA	07/31/2013 20:41	Emily R Styer	2.5
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13205A53A	07/25/2013 01:44	Catherine J Schwarz	5
02102	Method 8021 Water Master	SW-846 8021B	1	13205A53A	07/25/2013 01:44	Catherine J Schwarz	5
01146	GC VOA Water Prep	SW-846 5030B	1	13205A53A	07/25/2013 01:44	Catherine J Schwarz	5
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	132050022A	07/30/2013 23:55	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	132050022A	07/25/2013 07:05	Catherine R Wiker	1
06035	Lead	SW-846 6020	1	132076050001A	07/29/2013 03:22	Choon Y Tian	1

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

LL Sample # WW 7135626
LL Group # 1405966
Account # 11260

Project Name: 90129

Collected: 07/21/2013 09:12 by JP

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Submitted: 07/23/2013 09:20

Reported: 08/02/2013 22:32

BASM3

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06050	ICP/MS SW-846 Water Digest	SW-846 3010A modified	1	132076050001	07/28/2013 10:00	James L Mertz	1

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

LL Sample # WW 7135627
LL Group # 1405966
Account # 11260

Project Name: 90129

Collected: 07/21/2013 07:13 by JP

Chevron

6001 Bollinger Canyon Road

Submitted: 07/23/2013 09:20

L4310

Reported: 08/02/2013 22:32

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					
10943	Methyl Tertiary Butyl Ether	1634-04-4	10	1	2
GC Volatiles ECY 97-602 NWTPH-Gx ug/l					
08274	NWTPH-Gx water C7-C12	n.a.	2,200	50	1
GC Volatiles SW-846 8021B ug/l					
02102	Benzene	71-43-2	150	0.5	1
02102	Ethylbenzene	100-41-4	83	0.5	1
02102	Methyl tert-Butyl Ether	1634-04-4	12	2.5	1
02102	Toluene	108-88-3	N.D.	5.0	1
02102	Total Xylenes	1330-20-7	N.D.	25	1
Reporting limits were raised due to interference from the sample matrix.					
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	5,900	30	1
12005	HRO C24-C40 w/Si Gel	n.a.	700	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	P132121AA	07/31/2013 21:09	Emily R Styer	2
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P132121AA	07/31/2013 21:09	Emily R Styer	2
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13205A53A	07/24/2013 21:19	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	13205A53A	07/24/2013 21:19	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13205A53A	07/24/2013 21:19	Catherine J Schwarz	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	132050022A	07/31/2013 00:58	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	132050022A	07/25/2013 07:05	Catherine R Wiker	1

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

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

LL Sample # WW 7135628
LL Group # 1405966
Account # 11260

Project Name: 90129

Collected: 07/21/2013 08:52 by JP

Chevron

6001 Bollinger Canyon Road
L4310

Submitted: 07/23/2013 09:20

San Ramon CA 94583

Reported: 08/02/2013 22:32

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					
	ECY 97-602 NWTPH-Dx		ug/l	ug/l	
Hydrocarbons w/Si modified					
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	13205A53A	07/24/2013 21:45	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	13205A53A	07/24/2013 21:45	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13205A53A	07/24/2013 21:45	Catherine J Schwarz	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	132050022A	07/31/2013 00:16	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	132050022A	07/25/2013 07:05	Catherine R Wiker	1

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

LL Sample # WW 7135629
LL Group # 1405966
Account # 11260

Project Name: 90129

Collected: 07/21/2013 09:43 by JP

Chevron

6001 Bollinger Canyon Road

Submitted: 07/23/2013 09:20

L4310

Reported: 08/02/2013 22:32

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.	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					
	ECY 97-602 NWTPH-Dx		ug/l	ug/l	
Hydrocarbons w/Si modified					
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	13205A53A	07/24/2013 22:12	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	13205A53A	07/24/2013 22:12	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13205A53A	07/24/2013 22:12	Catherine J Schwarz	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	132050022A	07/31/2013 00:37	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	132050022A	07/25/2013 07:05	Catherine R Wiker	1

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

LL Sample # WW 7135630
 LL Group # 1405966
 Account # 11260

Project Name: 90129

Collected: 07/21/2013 10:27 by JP

Chevron
 6001 Bollinger Canyon Road
 L4310
 San Ramon CA 94583

Submitted: 07/23/2013 09:20

Reported: 08/02/2013 22:32

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.	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					
	ECY 97-602 NWTPH-Dx		ug/l	ug/l	
Hydrocarbons w/Si modified					
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	13205A53A	07/24/2013 22:39	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	13205A53A	07/24/2013 22:39	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13205A53A	07/24/2013 22:39	Catherine J Schwarz	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	132060013A	07/31/2013 03:03	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	132060013A	07/25/2013 22:30	Karen L Beyer	1

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

LL Sample # WW 7135631
LL Group # 1405966
Account # 11260

Project Name: 90129

Collected: 07/20/2013 15:00 by JP

Chevron

6001 Bollinger Canyon Road

Submitted: 07/23/2013 09:20

L4310

Reported: 08/02/2013 22:32

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	
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	10	20
Reporting limits were raised due to interference from the sample matrix.					
GC Volatiles			ECY 97-602 NWTPH-Gx	ug/l	
08274	NWTPH-Gx water C7-C12	n.a.	170,000	5,000	100
GC Volatiles			SW-846 8021B	ug/l	
02102	Benzene	71-43-2	14,000	50	100
02102	Ethylbenzene	100-41-4	3,200	50	100
02102	Methyl tert-Butyl Ether	1634-04-4	300	63	25
02102	Toluene	108-88-3	25,000	50	100
02102	Total Xylenes	1330-20-7	23,000	150	100
GC Petroleum Hydrocarbons w/Si modified			ECY 97-602 NWTPH-Dx	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	930	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	210	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals			SW-846 6020	ug/l	
06035	Lead	7439-92-1	28.5	0.085	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	P132121AA	07/31/2013 21:38	Emily R Styer	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P132121AA	07/31/2013 21:38	Emily R Styer	20
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13205A53A	07/25/2013 12:19	Catherine J Schwarz	100
02102	Method 8021 Water Master	SW-846 8021B	1	13205A53A	07/25/2013 02:11	Catherine J Schwarz	25
02102	Method 8021 Water Master	SW-846 8021B	1	13205A53A	07/25/2013 12:19	Catherine J Schwarz	100
01146	GC VOA Water Prep	SW-846 5030B	1	13205A53A	07/25/2013 02:11	Catherine J Schwarz	25
01146	GC VOA Water Prep	SW-846 5030B	2	13205A53A	07/25/2013 12:19	Catherine J Schwarz	100
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	132060013A	07/31/2013 03:24	Christine E Dolman	1

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

LL Sample # WW 7135631
 LL Group # 1405966
 Account # 11260

Project Name: 90129

Collected: 07/20/2013 15:00 by JP

Chevron
 6001 Bollinger Canyon Road
 L4310
 San Ramon CA 94583

Submitted: 07/23/2013 09:20

Reported: 08/02/2013 22:32

BAS12

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPh-Dx 06/97	1	132060013A	07/25/2013 22:30	Karen L Beyer	1
06035	Lead	SW-846 6020	1	132076050001A	07/29/2013 03:24	Choon Y Tian	1
06050	ICP/MS SW-846 Water Digest	SW-846 3010A modified	1	132076050001	07/28/2013 10:00	James L Mertz	1

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

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

LL Sample # WW 7135632
LL Group # 1405966
Account # 11260

Project Name: 90129

Collected: 07/21/2013 12:03 by JP

Chevron

6001 Bollinger Canyon Road

Submitted: 07/23/2013 09:20

L4310

Reported: 08/02/2013 22:32

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					
	ECY 97-602 NWTPH-Dx		ug/l	ug/l	
Hydrocarbons w/Si modified					
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	13205A53A	07/24/2013 23:05	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	13205A53A	07/24/2013 23:05	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13205A53A	07/24/2013 23:05	Catherine J Schwarz	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	132060013A	07/31/2013 03:45	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	132060013A	07/25/2013 22:30	Karen L Beyer	1

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

LL Sample # WW 7135633
LL Group # 1405966
Account # 11260

Project Name: 90129

Collected: 07/21/2013 11:14 by JP

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Submitted: 07/23/2013 09:20

Reported: 08/02/2013 22:32

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					
	ECY 97-602 NWTPH-Dx		ug/l	ug/l	
Hydrocarbons w/Si modified					
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	13205A53A	07/25/2013 00:25	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	13205A53A	07/25/2013 00:25	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13205A53A	07/25/2013 00:25	Catherine J Schwarz	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	132060013A	07/31/2013 04:05	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	132060013A	07/25/2013 22:30	Karen L Beyer	1

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

LL Sample # WW 7135634
LL Group # 1405966
Account # 11260

Project Name: 90129

Collected: 07/21/2013 12:52 by JP

Chevron

6001 Bollinger Canyon Road

Submitted: 07/23/2013 09:20

L4310

Reported: 08/02/2013 22:32

San Ramon CA 94583

BAS16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l					
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	1	2
Reporting limits were raised due to interference from the sample matrix.					
GC Volatiles ECY 97-602 NWTPH-Gx ug/l					
08274	NWTPH-Gx water C7-C12	n.a.	3,000	50	1
GC Volatiles SW-846 8021B ug/l					
02102	Benzene	71-43-2	290	0.5	1
02102	Ethylbenzene	100-41-4	250	0.5	1
02102	Methyl tert-Butyl Ether	1634-04-4	32	2.5	1
02102	Toluene	108-88-3	10	0.5	1
02102	Total Xylenes	1330-20-7	25	1.5	1
GC Petroleum ECY 97-602 NWTPH-Dx ug/l					
Hydrocarbons w/Si modified					
12005	DRO C12-C24 w/Si Gel	n.a.	95	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals SW-846 6020 ug/l					
06035	Lead	7439-92-1	0.27	0.085	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	P132121AA	07/31/2013 22:34	Emily R Styer	2
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P132121AA	07/31/2013 22:34	Emily R Styer	2
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13205A53A	07/25/2013 00:51	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	13205A53A	07/25/2013 00:51	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13205A53A	07/25/2013 00:51	Catherine J Schwarz	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	132060013A	07/31/2013 04:26	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	132060013A	07/25/2013 22:30	Karen L Beyer	1
06035	Lead	SW-846 6020	1	132056050003A	07/29/2013 06:31	Choon Y Tian	1

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

LL Sample # WW 7135634
LL Group # 1405966
Account # 11260

Project Name: 90129

Collected: 07/21/2013 12:52 by JP

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Submitted: 07/23/2013 09:20

Reported: 08/02/2013 22:32

BAS16

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06050	ICP/MS SW-846 Water Digest	SW-846 3010A modified	1	132056050003	07/25/2013 14:54	Kevin C Piaskowski	1

Sample Description: RW-1 Grab Groundwater
Facility# 90129 Job# 386649
4700 Brooklyn Ave - Seattle, WA

LL Sample # WW 7135635
LL Group # 1405966
Account # 11260

Project Name: 90129

Collected: 07/21/2013 06:40 by JP

Chevron

6001 Bollinger Canyon Road

Submitted: 07/23/2013 09:20

L4310

Reported: 08/02/2013 22:32

San Ramon CA 94583

BASR1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B					
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
GC Volatiles ECY 97-602 NWTPH-Gx					
08274	NWTPH-Gx water C7-C12	n.a.	1,100	50	1
GC Volatiles SW-846 8021B					
02102	Benzene	71-43-2	49	0.5	1
02102	Ethylbenzene	100-41-4	23	0.5	1
02102	Methyl tert-Butyl Ether	1634-04-4	2.8	2.5	1
02102	Toluene	108-88-3	220	0.5	1
02102	Total Xylenes	1330-20-7	110	1.5	1
GC Petroleum ECY 97-602 NWTPH-Dx					
Hydrocarbons w/Si modified					
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
10943	MTBE 8260 Water	SW-846 8260B	1	F132134AA	08/02/2013 03:35	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F132134AA	08/02/2013 03:35	Brett W Kenyon	1
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13205A53A	07/25/2013 01:18	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	13205A53A	07/25/2013 01:18	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13205A53A	07/25/2013 01:18	Catherine J Schwarz	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	132060013A	07/31/2013 04:47	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	132060013A	07/25/2013 22:30	Karen L Beyers	1

Quality Control Summary

Client Name: Chevron Group Number: 1405966
Reported: 08/02/13 at 10:32 PM

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

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

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: F132134AA Methyl Tertiary Butyl Ether	Sample number(s): 7135635 N.D.	0.5	ug/l	97		68-121		
Batch number: P132121AA Methyl Tertiary Butyl Ether	Sample number(s): 7135626-7135627,7135631,7135634 N.D.	0.5	ug/l	121	114	68-121	7	30
Batch number: 13205A53A Benzene	Sample number(s): 7135624-7135635 N.D.	0.5	ug/l	104	107	80-120	3	30
Ethylbenzene	N.D.	0.5	ug/l	105	108	80-120	3	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	107	109	59-136	2	30
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	108	105	75-135	2	30
Toluene	N.D.	0.5	ug/l	107	110	80-120	3	30
Total Xylenes	N.D.	1.5	ug/l	108	112	80-120	3	30
Batch number: 132050022A DRO C12-C24 w/Si Gel	Sample number(s): 7135625-7135629 N.D.	30.	ug/l	77	74	32-117	4	20
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 132060013A DRO C12-C24 w/Si Gel	Sample number(s): 7135630-7135635 N.D.	30.	ug/l	68	76	32-117	12	20
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 132056050003A Lead	Sample number(s): 7135634 N.D.	0.085	ug/l	98		90-115		
Batch number: 132076050001A Lead	Sample number(s): 7135626,7135631 N.D.	0.085	ug/l	100		90-115		

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

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: F132134AA Methyl Tertiary Butyl Ether	Sample number(s): 7135635 128 (2)	140 (2)	72-126	2	30	UNSPK: P145154			
Batch number: 132056050003A Lead	Sample number(s): 7135634 106	101	83-120	5	20	UNSPK: P133151 BKG: P133151	0.33	8 (1)	20

*- Outside of specification

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

Quality Control Summary

Client Name: Chevron
Reported: 08/02/13 at 10:32 PM

Group Number: 1405966

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: 132076050001A	Sample number(s): 7135626, 7135631 UNSPK: P140198 BKG: P140198								
Lead	100	101	83-120	1	20	0.18	0.20	8 (1)	20

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: F132134AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7135635	96	100	104	99
Blank	98	102	102	97
LCS	97	101	102	99
MS	96	102	103	99
MSD	96	102	102	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water
Batch number: P132121AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7135626	105	100	95	96
7135627	105	99	96	97
7135631	104	97	94	96
7135634	104	97	95	96
Blank	103	99	95	92
LCS	104	103	95	96
LCSD	106	105	95	94
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Method 8021 Water Master
Batch number: 13205A53A

	Trifluorotoluene-P	Trifluorotoluene-F
7135624	90	88
7135625	90	88
7135626	97	99
7135627	88	109
7135628	89	90
7135629	90	87
7135630	91	87
7135631	99	92
7135632	91	88
7135633	91	87
7135634	95	125

*- Outside of specification

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

Quality Control Summary

Client Name: Chevron
Reported: 08/02/13 at 10:32 PM

Group Number: 1405966

Surrogate Quality Control

7135635	90	89
Blank	90	88
LCS	90	93
LCSD	90	94

Limits: 51-120 63-135

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 132050022A
Orthoterphenyl

7135625	74
7135626	85
7135627	87
7135628	81
7135629	83
Blank	82
LCS	99
LCSD	95

Limits: 50-150

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 132060013A
Orthoterphenyl

7135630	78
7135631	86
7135632	76
7135633	81
7135634	85
7135635	84
Blank	74
LCS	89
LCSD	98

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

Acct. # 11260

For Eurofins Lancaster Laboratories use only
 Group # 1405966 Sample # 7135624-35
 Instructions on reverse side correspond with circled numbers.

1 Client Information				4 Matrix			5 Analyses Requested										SCR #: _____					
Facility # <u>SS#0 0120 OML</u> 4700 Brooklyn Avenue, SEATTLE, WA Site Address MHO SAICRO Ruth Otteman Chevron PM Lead Consultant Consultant/Office <u>Gottler Ryan, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568</u> Consultant Project Mgr. <u>Deanna L. Harding, (deanna@grinc.com), (925) 551-7444 x180</u> Consultant Phone # <u>(925) 482-3328 x</u> Sampler <u>J. Payne</u>				<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface	<input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air	<input type="checkbox"/> Oil <input type="checkbox"/> Total Number of Containers	<input type="checkbox"/> BTEX + MTBE <input checked="" type="checkbox"/> 8260 full scan <input type="checkbox"/> 8260 <input type="checkbox"/> Naphth	<input type="checkbox"/> Oxygenates <input type="checkbox"/> NWTPH-GX <input checked="" type="checkbox"/> NWTPH-DX with Silica Gel Cleanup <input type="checkbox"/> NWTPH-DX without Silica Gel Cleanup	<input type="checkbox"/> WA VPH <input type="checkbox"/> WA EPH <input checked="" type="checkbox"/> Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. Method <u>620</u>	<input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits		6 Remarks Confirm all MTBE hits using EPA method 8260. Please forward the lab results directly to the Lead Consultant and cc: G-R. <u>MAN-16 - 9 CONTAINERS</u>										
2 Sample Identification		3 Collected		Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE	8260 full scan	Oxygenates	NWTPH-GX	NWTPH-DX with Silica Gel Cleanup	NWTPH-DX without Silica Gel Cleanup	WA VPH	WA EPH	Lead	Total	Diss.	Method	
Date	Time	Grab	Composite																			
<u>Q.A.</u>	<u>7-21-13</u>			X			X		2	X			X									
<u>MAN-2</u>	<u>7-21</u>	<u>0739</u>		X			X		8	X			X	X								
<u>MAN-3</u>	<u>7-21</u>	<u>0912</u>		X			X		9	X			X	X					X			
<u>MAN-4</u>	<u>7-21</u>	<u>0713</u>		X			X		8	X			X	X								
<u>MAN-5</u>	<u>7-21</u>	<u>0852</u>		X			X		8	X			X	X								
<u>MAN-6</u>	<u>7-21</u>	<u>0943</u>		X			X		8	X			X	X								
<u>MAN-7</u>	<u>7-21</u>	<u>1027</u>		X			X		8	X			X	X								
<u>MAN-12</u>	<u>7-21</u>	<u>1500</u>		X			X		9	X			X	X					X			
<u>MAN-14</u>	<u>7-21</u>	<u>1203</u>		X			X		8	X			X	X								
<u>MAN-15</u>	<u>7-21</u>	<u>1114</u>		X			X		8	X			X	X								
<u>MAN-16</u>	<u>7-21</u>	<u>1252</u>		X			X		8	X			X	X					X			
<u>RW-1</u>	<u>7-21</u>	<u>0200</u>		X			X		8	X			X	X								

7 Turnaround Time Requested (TAT) (please circle)				Relinquished by <u>[Signature]</u>		Date		Time		Received by		Date		Time	
Standard	5 day	4 day		Date		Time		Received by		Date		Time		9	
72 hour	48 hour	24 hour	EDF/EDD	Date		Time		Received by		Date		Time			

8 Data Package (circle if required)		EDD (circle if required)		Relinquished by Commercial Carrier:				Received by		Date		Time	
Type I - Full		CVX-RTBU-FI_05 (default)		UPS _____ FedEx <input checked="" type="checkbox"/> Other _____				<u>[Signature]</u>		<u>7/23/13</u>		<u>0920</u>	
Type VI (Raw Data)		Other: _____		Temperature Upon Receipt <u>0.3-3.5</u> °C				Custody Seals Intact?		<u>(Yes)</u>		No	

Explanation of Symbols and Abbreviations

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

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

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

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

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

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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

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