August 8, 2014

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

Subject: **First Quarter 2014 Groundwater Monitoring and Sampling Report**
Chevron Service Station No. 90129
4700 Brooklyn Avenue
Seattle, Washington

Dear Mr. Waite:

Leidos Engineering, LLC, on behalf of Chevron Environmental Management Company (CEMC), prepared this letter summarizing the first quarter 2014 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 March 15, 2014. Gettler-Ryan collected depth-to-groundwater measurements and checked for the presence of separate-phase hydrocarbons (SPH) in 14 of the 17 groundwater monitoring wells on site (Figure 2). Monitoring wells MW-1 and RW-1 were inaccessible and MW-8 was dry.

Groundwater samples were collected from nine monitoring wells. Samples were not collected from monitoring wells MW-9, MW-10, MW-11, MW-12, and MW-13 due to the presence of 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;
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX), and methyl tertiary butyl ether (MTBE) by United States Environmental Protection Agency (USEPA) Method 8021B; and
- Total lead by United States Environmental Protection Agency Method 6020.

Total lead is only analyzed for monitoring wells MW-3, MW-9, MW-11, MW-12, and MW-16 if a groundwater sample can be collected. 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 83.42 feet in monitoring well MW-14 to 81.06 feet in monitoring well MW-7, based on an arbitrary benchmark elevation of 100 feet (Figure 2). Groundwater elevations increased an average of 0.65 feet since the previous quarterly monitoring event in December 2013. Groundwater flows toward the southeast at a gradient of approximately 0.05 to 0.14 feet per foot. SPH were detected in monitoring wells MW-9, MW-10, MW-11, MW-12, and MW-13 at thicknesses of 1.33, 2.19, 2.72, 0.31, and 0.33 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, and MW-16;
- TPH-DRO in monitoring well MW-4; and
- Benzene in monitoring wells MW-3, MW-4, and MW-16.

Historical groundwater elevation data, SPH thickness data, and laboratory analytical results are summarized in Table 1. The laboratory analysis report is provided as Attachment B. In addition, hydrographs for monitoring wells MW-3, MW-9, MW-10, MW-12, MW-13, and MW-16 are included as Attachment C.

DISCUSSION

SPH were detected at higher thicknesses this quarter when compared to historical data and were detected in monitoring wells MW-10 and MW-11 for the fourth consecutive event with an increase in thickness. The increase in SPH thickness is likely associated with the lower than normal groundwater elevations. Rainfall was at a record low during the past few months for the greater Seattle area. This has led to historically low groundwater elevations.

Petroleum hydrocarbon concentrations have generally increased as groundwater elevations have dropped. Analytes in monitoring wells MW-3, MW-4, and MW-16 continue to remain above MTCA Method A cleanup levels.

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@leidos.com.

Sincerely,

Leidos Engineering, LLC

Ruth Otteman
Project Manager

Kinga Kozlowska
Environmental Scientist

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

Attachment C – Hydrographs

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

REPORT LIMITATIONS

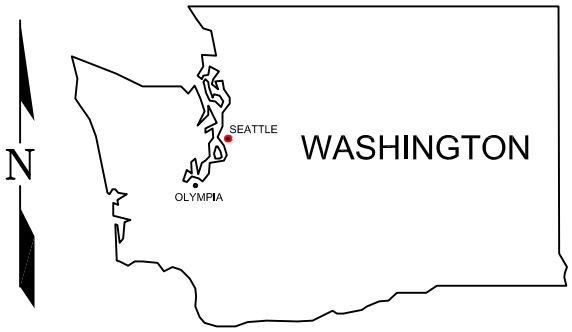
This technical document was prepared on behalf of CEMC and is intended for its sole use and for use by the local, state or federal regulatory agency that the technical document was sent to by Leidos. Any other person or entity obtaining, using, or relying on this technical document hereby acknowledges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

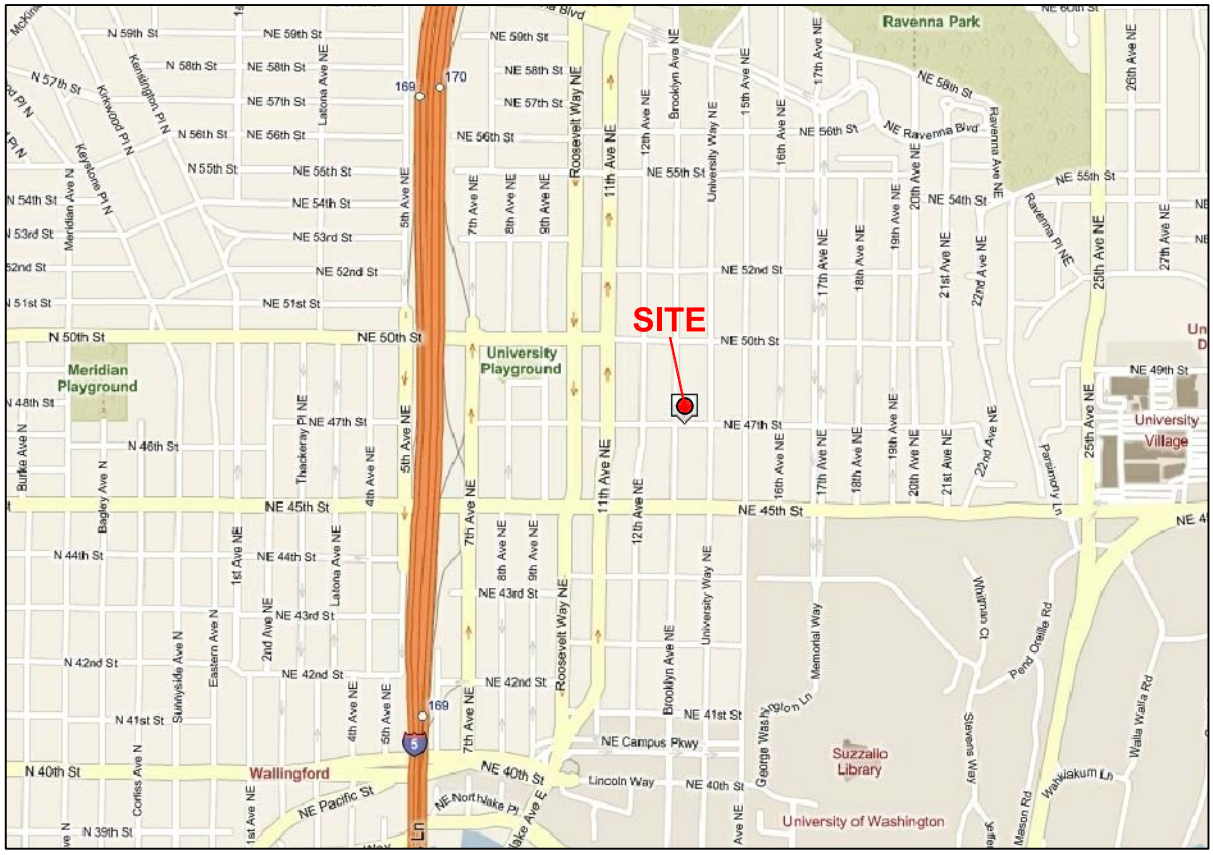
Site history and background information provided in this technical document are based on sources that may include interviews with environmental regulatory agencies and property management personnel and a review of acquired environmental regulatory agency documents and property information obtained from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

All sources of information on which Leidos 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 Leidos in the context of this technical document. The conclusions, therefore, represent our professional opinion based on the identified sources of information.





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

FIGURE 1
Vicinity Map

DATE: 4/14/2014 | DRAWING: 90129_VM.dwg

BROOKLYN AVENUE

N

0 10' 20'

NE 47TH STREET

Driveway

Driveway

Driveway

Driveway

MW-9
82.09**

MW-6
82.15

82.45
MW-3

82.25

MW-5
81.97

MW-2
81.43

MW-1
UTA

MW-12
82.17**

82.25

82.00

81.87**
MW-10

82.00

MW-13
81.99**

Underground
Storage
Tanks

81.75

MW-11
81.67**

RW-1
UTA

MW-4
81.37

Dispenser
Islands

MW-8
DRY

MW-7
81.06

81.50

Station
Building

81.75

MW-14
[83.42]

81.25

81.50

MW-16
81.14

81.25

MW-15
81.42

Safeway
Parking Lot

LEGEND

MW-6 ⊕	Groundwater Monitoring Well
RW-1 ⊗	Recovery Well
82.17	Groundwater Elevation in Feet
82.09**	Groundwater Elevation Corrected for the Presence of Separate Phase Hydrocarbons (SPH)
81.50 ——	Groundwater Elevation Contour at a 0.25 Foot Interval (Dashed Where Inferred)
[83.42]	Groundwater Elevation Not Used in Contours
⟵	Approximate Groundwater Flow Direction at a Gradient of 0.05 to 0.14 Ft./Ft.
UTA	Unable to Access

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

FIGURE 2
Potentiometric Map
March 15, 2014

DATE: 6/4/2014 | DRAWING: 90129 Site Map 2013.dwg

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
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.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)	T. Lead
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		--	--	--	--	--	--	--	--	--	--	--	--
9/28/13		--	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--
12/7/13		--	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--
3/15/14		--	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	--	--	--

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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.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)	T. Lead
MW-2 (cont)																
11/10/93		100.05	--	16.15	--	83.90	--	--	ND	ND	ND	2.5	ND	--	--	--
2/3/94		100.05	--	15.79	--	84.26	--	--	ND	ND	ND	4.5	0.5	--	--	--
4/26/94		100.05	--	15.42	--	84.63	--	--	ND	0.6	ND	9.9	3.4	--	--	--
7/20/94		100.05	--	16.75	--	83.30	--	--	ND	ND	ND	0.6	ND	--	--	--
10/18/94		100.05	--	18.16	--	81.89	--	--	180	4.3	4.0	24	13	--	--	--
2/1/95		100.05	--	18.45	--	81.60	--	--	360	**7.1**	6.7	35	39	--	--	--
7/12/95		100.05	--	18.22	--	81.83	--	--	ND	ND	ND	ND	ND	--	--	--
1/4/96		100.05	--	17.81	--	82.24	--	--	ND	0.63	ND	ND	ND	--	--	--
1/7/97		100.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/12/98		100.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/15/04	NP	100.05	--	17.06	--	82.99	--	--	170	**9.4**	1.4	11	6.8	**30/24**[6]	--	--
NOT MONITORED/SAMPLED			--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/17-18/09		100.05	--	16.24	--	83.81	32	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
3/17/10		100.05	--	15.90	--	84.15	<31	<71	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
06/22-23/10		100.05	--	15.24	--	84.81	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
9/13/10		100.05	--	17.34	--	82.71	<29	72	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
12/20/10		100.05	--	17.58	--	82.47	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
6/16/11		100.05	--	17.48	--	82.57	51	<70	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
9/22/11		100.05	--	18.25	--	81.80	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/14/12		100.05	--	18.60	--	81.45	<29	<68	**1,300**	1.7	20	9.5	110	<2.5	--	--
3/31/12		100.05	--	19.70	--	80.35	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--	--	--
6/2/12		100.05	--	17.80	--	82.25	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
9/30/12		100.05	--	19.42	--	80.63	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--	--	--
12/15/12		100.05	--	19.44	--	80.61	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--	--	--
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	--	--
9/28/13		100.05	--	18.65	--	81.40	<29	<68	57	<0.5	0.6	<0.5	3.7	<2.5	--	--
12/7/13		100.05	--	18.85	--	81.20	--	--	400	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
3/15/14		100.05	--	18.62	--	81.43	<30	<70	70	<0.5	1.9	1.1	10	<2.5	--	--

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MW-3																
1/22/90		101.25	--	--	--	--	--	--	**85,000**	**1,380**	**14,100**	**2,060**	**12,800**	--	--	--
4/12/91		101.25	--	--	--	--	--	--	**2,500**	3.6	39	18	69	--	--	--
6/28/91		101.25	--	--	--	--	--	--	**6,600**	**63**	680	210	870	--	--	--
9/18/91		101.25	--	--	--	--	--	--	**4,900**	ND	82	86	300	--	--	--
12/3/91		101.25	--	--	--	--	--	--	**17,000**	**170**	**2,200**	710	**2,800**	--	--	--
2/25/92		101.25	--	--	--	--	--	--	**7,900**	**25**	150	210	920	--	--	--
5/15/92		101.25	--	--	--	--	--	--	**9,800**	**90**	**1,100**	260	**1,300**	--	--	--
7/31/92		101.25	--	15.81	--	85.44	--	--	--	--	--	--	--	--	--	--
8/18/92		101.25	--	15.94	--	85.31	--	--	**24,000**	**290**	**4,200**	**7,200**	**3,800**	--	--	--
9/25/92		101.25	--	16.55	--	84.70	--	--	--	--	--	--	--	--	--	--
2/24/93		101.25	--	16.12	--	85.13	--	--	**8,400**	**48**	440	210	**1,300**	--	--	--
5/12/93		101.25	--	15.60	--	85.65	--	--	**4,700**	**130**	840	120	600	--	--	--
8/18/93		101.25	--	15.60	--	85.65	--	--	**7,300**	**130**	**1,000**	240	**1,100**	--	--	--
11/10/93		101.25	--	16.11	--	85.14	--	--	**14,000**	**260**	**1,900**	470	**2,400**	--	--	--
2/3/94		101.25	--	15.66	--	85.59	--	--	**8,000**	**78**	720	220	800	--	--	--
4/26/94		101.25	--	14.91	--	86.34	--	--	**2,900**	**9.6**	7.9	34	160	--	--	--
7/20/94		101.25	--	16.92	--	84.33	--	--	**17,000**	**360**	**3,500**	550	**2,400**	--	--	--
10/18/94		101.25	--	18.68	--	82.57	--	--	**46,000**	**230**	**6,700**	**1,200**	**6,100**	--	--	--
2/1/95		101.25	--	18.53	--	82.72	--	--	**56,000**	**160**	**6,500**	**1,300**	**7,700**	--	--	--
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	--	--

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Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)	T. Lead
MW-3 (cont)																
7/11/02	NP	101.25	--	16.68	--	84.57	--	--	**48,000**	**560**	**1,100**	**1,100**	**6,900**	<20	--	--
10/10/02	NP	101.25	--	17.22	--	84.03	--	--	**50,000**	**630**	**1,100**	**1,300**	**8,400**	<100	--	--
1/10/03		101.25	INACCESSIBLE - CAR PARKED OVER WELL					--	--	--	--	--	--	--	--	--
4/21/03	NP	101.25	--	15.79	--	85.46	--	--	**17,000**	**280**	340	480	**2,600**	<20	--	--
6/26/03	NP	101.25	--	16.15	--	85.10	--	--	**34,000**	**470**	750	**940**	**6,200**	<50	--	--
10/14/03	NP	101.25	--	17.03	--	84.22	--	--	**56,000**	**810**	**1,100**	**1,400**	**8,700**	<50	--	--
1/7/04	NP	101.25	--	16.41	--	84.84	--	--	**13,000**	**160**	150	400	**1,300**	<10	--	--
4/21/04	NP	101.25	--	16.36	--	84.89	--	--	**1,500**	**72**	14	3.1	120	<10/<2[6]	--	--
7/1/04	NP	101.25	14.45	16.90	--	84.35	--	--	**26,000**	**540**	410	**750**	**3,700**	<50	--	--
10/15/04	NP	101.25	--	17.79	--	83.46	--	--	**26,000**	**520**	370	**920**	**3,600**	<100	--	--
1/5/05	NP	101.25	--	17.76	--	83.49	--	--	**9,000**	**180**	47	590	95	<10	--	--
8/4/05		101.25	--	17.71	--	83.54	--	--	--	--	--	--	--	--	--	--
7/26/06		101.25	--	16.87	--	84.38	--	--	--	--	--	--	--	--	--	--
7/19/07		101.25	--	17.75	--	83.50	--	--	--	--	--	--	--	--	--	--
7/23/08		101.25	--	17.69	--	83.56	--	--	--	--	--	--	--	--	--	--
7/13/09		101.25	--	16.40	--	84.85	--	--	--	--	--	--	--	--	--	--
12/17-18/09		101.25	--	16.82	--	84.43	170	<70	**880**	**25**	13	76	22	<2.5	--	--
3/17/10		101.25	--	16.38	--	84.87	33	<71	75	4.2	1.3	1.9	<1.5	6.2	--	--
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**
9/28/13		101.25	--	26.33	--	74.92	170	75	**6,900**	**260**	120	**920**	240	<130/<0.5[6]	--	**328**

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CHEVRON SERVICE STATION NO. 90129
4700 Brooklyn Avenue
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Concentrations reported in µg/L unless otherwise noted

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)	T. Lead
MW-3 (cont)																
12/7/13		101.25	--	19.45	--	81.80	150	<67	**11,000**	**210**	130	**1,200**	690	<140	--	--
3/15/14		101.25	--	18.80	--	82.45	110	<68	**2,200**	**27**	8.7	240	33	<21	--	8
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 (D)		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 (D)		100.01	--	--	--	--	--	--	**86,000**	**8,100**	**11,000**	**1,600**	**15,000**	--	--	--
5/15/92		100.01	--	--	--	--	--	--	**90,000**	**11,000**	**17,000**	**1,800**	**18,000**	--	--	--
5/15/92 (D)		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 (D)		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	--	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	--	--

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Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)	T. Lead
MW-4 (cont)																
1/30/01		100.01	--	18.10	--	81.91	--	--	**59,800**	**1,800**	140	**901**	**4,450**	--	--	--
4/11/01		100.01	--	17.91	--	82.10	--	--	**56,800**	**1,450**	105	**984**	**4,560**	--	--	--
7/28/01		100.01	--	17.88	--	82.13	--	--	**91,600**	**1,480**	142	**1,240**	**5,930**	--/<50[6]	--	--
10/15/01		100.01	--	18.06	--	81.95	--	--	**65,900**	**1,460**	116	**944**	**3,890**	--/40.4[6]	--	--
1/5/02		100.01	--	17.04	--	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	--	83.13	--	--	**34,000**	**1,000**	59	450	**1,400**	**130/110[6]**	--	--
10/10/02	NP	100.01	--	17.28	--	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	--	84.23	--	--	**11,000**	**120**	6.0	220	520	<20	--	--
6/26/03	NP	100.01	--	15.96	--	84.05	--	--	**8,000**	**330**	12	160	510	**150/160[6]**	--	--
10/14/03	NP	100.01	--	16.56	--	83.45	--	--	**13,000**	**550**	17	280	690	**150/140[6]**	--	--
1/7/04	NP	100.01	--	16.02	--	83.99	--	--	**12,000**	**370**	8.9	24	650	**62/47[6]**	--	--
4/21/04	NP	100.01	--	15.83	--	84.18	--	--	**1,300**	**69**	0.7	3.2	24	**78/78[6]**	--	--
7/1/04	NP	100.01	--	16.02	--	83.99	--	--	**980**	**90**	0.7	3.9	15	**67/70[6]**	--	--
10/15/04	NP	100.01	--	16.41	--	83.60	--	--	**9,900**	**530**	9.0	240	510	**140/110[6]**	--	--
1/5/05	NP	100.01	--	16.14	--	83.87	--	--	**14,000**	**630**	9.8	330	660	**130/110[6]**	--	--
8/4/05	NP	100.01	--	16.36	--	83.65	--	--	**9,600**	**420**	6.3	260	370	**99**	--	--
7/26/06	NP	100.01	--	15.98	--	84.03	--	--	330	**21**	<0.5	<0.5	2.5	12	--	--
7/19/07	NP	100.01	--	16.30	--	83.71	--	--	350	**13**	<0.5	<0.5	2.6	6.3	--	--
7/23/08	NP	100.01	--	16.36	--	83.65	--	--	**1,700**	**99**	1.9	7	41	8.5	--	--
7/13/09	NP	100.01	--	15.07	--	84.94	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
12/17-18/09		100.01	--	15.16	--	84.85	**3,300**	<680	**3,300**	**19**	0.9	1.9	6.2	<2.5	--	--
3/17/10		100.01	--	14.95	--	85.06	**20,000**	**4,600**	**930**	**10**	1.9	1.4	2.2	3.5	--	--
06/22-23/10		100.01	--	14.21	--	85.80	120	<68	140	3.8	<2.0	2.3	1.9	<2.5	--	--
9/13/10		100.01	--	7.31	--	92.70	**2,900**	400	**3,400**	**130**	1.3	58	34	8.1	--	--
12/20/10		100.01	--	17.69	--	82.32	**130,000**	**31,000**	**2,200**	**150**	5.6	28	18	41	--	--
6/16/11		100.01	--	17.60	--	82.41	**16,000**	**2,300**	**3,000**	**140**	5.1	21	<15	15	--	--
9/23/11		100.01	--	18.30	--	81.71	**2,800**	<330	**3,700**	**290**	<10	64	<50	16	--	--
1/14/12		100.01	--	18.65	--	81.36	**7,900**	**930**	**2,900**	**170**	4.6	69	69	19	--	--
3/31/12		100.01	--	18.05	--	81.96	**6,000**	**800**	**1,500**	**44**	3.7	25	15	15	--	--

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Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)	T. Lead
MW-4 (cont)																
6/2/12		100.01	--	17.85	--	82.16	**510**	160	**1,800**	**79**	3.1	30	20	14	--	--
9/30/12		100.01	--	18.52	--	81.49	**4,600**	**650**	**2,000**	**230**	<4.0	100	28	13/12[6]	--	--
12/15/12		100.01	--	18.05	--	81.96	**2,300**	130	**800**	**39**	<2.0	37	<5.0	13/11[6]	--	--
3/16/13		100.01	--	17.86	--	82.15	**4,000**	420	**2,200**	**75**	4.2	25	19	9.6/9[6]	--	--
7/21/13		100.01	--	18.20	--	81.81	**5,900**	**700**	**2,200**	**150**	<5.0	83	<25	12/10[6]	--	--
9/28/13		100.01	--	18.70	--	81.31	**4,400**	**590**	**5,000**	**320**	3.3	200	63	<17/8[6]	--	--
12/7/13		100.01	--	18.88	--	81.13	**2,600**	290	**3,900**	**140**	<4.0	91	23	11/8[6]	--	--
3/15/14		100.01	--	18.64	--	81.37	**3,700**	220	**1,000**	**17**	<2.0	17	<5.0	7.3/6[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	--	--	--
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	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)	T. Lead
MW-5 (cont)																
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	--	--
9/28/13		100.75	--	19.07	--	81.68	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
12/7/13		100.75	--	21.32	--	79.43	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--	--	--
3/15/14		100.75	--	18.78	--	81.97	<30	<69	<50	<0.5	0.5	<0.5	2.9	<2.5	--	--
MW-6																
2/19/90		100.93	--	--	--	--	--	--	**38,200**	ND	74	259	**2,430**	--	--	--
4/12/91		100.93	--	--	--	--	--	--	ND	ND	1.8	4.8	53	--	--	--
6/28/91		100.93	--	--	--	--	--	--	390	**1,100**	**5,300**	**860**	**47,000**	--	--	--
9/18/91		100.93	--	--	--	--	--	--	**1,600**	3.7	ND	15	130	--	--	--
12/3/91		100.93	--	--	--	--	--	--	**2,000**	3.7	1.8	19	130	--	--	--
2/25/92		100.93	--	--	--	--	--	--	**4,100**	**8.9**	2.9	44	320	--	--	--
5/15/92		100.93	--	--	--	--	--	--	ND	ND	ND	ND	8.0	--	--	--
7/31/92		100.93	--	15.86	--	85.07	--	--	--	--	--	--	--	--	--	--
8/18/92		100.93	--	15.95	--	84.98	--	--	**3,300**	3.7	0.84	17	110	--	--	--
9/25/92		100.93	--	16.26	--	84.67	--	--	--	--	--	--	--	--	--	--
2/23/93		100.93	--	16.17	--	84.76	--	--	**1,900**	ND	0.8	5.2	67	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
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.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)	T. Lead
MW-6 (cont)																
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	--	--
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				--	--	--	--	--	--

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Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)	T. Lead
MW-6 (cont)																
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	--	--
9/28/13		100.93	--	19.05	--	81.88	<29	<68	81	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
12/7/13		100.93	--	19.32	--	81.61	<29	<68	67	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
3/15/14		100.93	--	18.78	--	82.15	<29	<67	180	<0.5	<0.5	<0.5	3.5	<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**	--	--	--
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			--	--	--	--	--	--	--	--	--	--	--	--	--	--

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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.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)	T. Lead
MW-7 (cont)																
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	--	--
9/28/13		99.07	INACCESSIBLE - CAR PARKED OVER WELL					--	--	--	--	--	--	--	--	--
12/7/13		99.07	--	20.33	--	78.74	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--	--	--
3/15/14		99.07	--	18.01	--	81.06	<29	<67	120	<0.5	<0.5	1.1	2.8	<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	--	--	--	--	--	--	--	--	--	--	--	--	--
9/30/12		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--

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Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)	T. Lead
MW-8 (cont)																
12/15/12		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
3/16/13		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
7/20/13		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
9/28/13		--	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
12/7/13		--	OBSTRUCTION IN WELL			--	--	--	--	--	--	--	--	--	--	--
3/15/14		--	OBSTRUCTION IN WELL			--	--	--	--	--	--	--	--	--	--	--
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	--	83.99	--	--	ND	ND	ND	ND	ND	--	--	--

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Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)	T. Lead
MW-9 (cont)																
6/8/00		100.02	--	16.74	--	83.28	--	--	--	--	--	--	--	--	--	--
1/30/01		100.02	--	17.40	--	82.62	--	--	**307,000**	ND	ND	ND	ND	--	--	--
4/11/01		100.02	--	17.15	--	82.87	--	--	**43,000**	<50	289	**911**	**5,530**	--	--	--
7/28/01		100.02	--	17.18	--	82.84	--	--	**27,800**	**35.9**	290	**1,110**	**5,490**	--	--	--
10/15/01		100.02	--	17.54	--	82.48	--	--	**84,100**	<25.0	99.3	262	**2,290**	--	--	--
1/5/02		100.02	--	16.12	--	83.90	--	--	**9,020**	<5.00	10.0	103	850	--	--	--
NOT MONITORED/SAMPLED			--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/17-18/09		100.02	--	10.88	--	89.14	<29	<68	<50	**130**	3.4	0.7	2.2	<2.5	--	--
3/17/10		100.02	--	10.96	--	89.06	78	170	**13,000**	**610**	1,600	280	**1,500**	**73**	--	--
06/22-23/10		100.02	--	12.00	--	88.02	310	<70	**12,000**	**11**	15	150	**1,100**	<10	--	--
9/13/10		100.02	--	16.27	--	83.75	**990**	**800**	**2,900**	**53**	23	61	110	<10	--	--
12/20/10		100.02	--	16.45	--	83.57	150	<74	**4,000**	**51**	13	79	170	8.8	--	--
6/16/11		100.02	--	16.35	--	83.67	240	190	**1,600**	**41**	4.4	53	59	<10	--	--
9/23/11		100.02	--	17.25	--	82.77	200	<70	**4,200**	**88**	12	180	290	<20	--	--
1/14/12		100.02	--	17.55	--	82.47	330	<68	**5,800**	**120**	17	180	260	**36**	--	--
3/31/12		100.02	--	16.85	--	83.17	**1,300**	91	**7,900**	**140**	14	220	320	**24**	--	--
6/2/12		100.02	--	16.60	--	83.42	**1,100**	240	**8,900**	**120**	16	210	300	**26**	--	--
9/30/12		100.02	--	17.61	--	82.41	**1,200**	190	**7,800**	**130**	22	220	300	30/<3[6]	--	--
12/15/12		100.02	--	17.00	--	83.02	**4,000**	<69	**18,000**	**150**	25	420	930	34/<3[6]	--	--
3/16/13		100.02	--	16.86	--	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					--	--	--	--	--
9/28/13		100.02	17.90	18.58	0.68	81.98	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
12/7/13		100.02	17.94	19.72	1.78	81.72	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
3/15/14		100.02	17.66	18.99	1.33	82.09	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	--	--	--

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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.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)	T. Lead
MW-10 (cont)																
5/15/92		99.18	--	--	--	--	--	--	**5,200**	**190**	37	290	710	--	--	--
7/31/92		99.18	--	15.30	--	83.88	--	--	--	--	--	--	--	--	--	--
8/18/92		99.18	--	15.81	--	83.37	--	--	**5,900**	**180**	25	180	550	--	--	--
9/25/92		99.18	--	15.97	--	83.21	--	--	--	--	--	--	--	--	--	--
2/23/93		99.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/12/93		99.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/18/93		99.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/10/93		99.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/3/94		99.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/26/94		99.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/20/94		99.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--

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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.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)	T. Lead
MW-10 (cont)																
8/16/04		99.18	14.93	15.02	0.09	84.23	--	--	--	--	--	--	--	--	--	--
9/24/04		99.18	16.22	16.31	0.09	82.94	--	--	--	--	--	--	--	--	--	--
10/15/04		99.18	15.55	15.71	0.26	83.68	--	--	--	--	--	--	--	--	--	--
10/26/04		99.18	16.32	16.40	0.08	82.84	--	--	--	--	--	--	--	--	--	--
12/2/04		99.18	16.32	16.40	0.08	82.84	--	--	--	--	--	--	--	--	--	--
1/5/05		99.18	14.95	14.99	0.04	84.22	--	--	--	--	--	--	--	--	--	--
2/1/05		99.18	14.57	14.64	0.07	84.60	--	--	--	--	--	--	--	--	--	--
8/4/05		99.18	14.42	14.46	0.04	84.75	--	--	--	--	--	--	--	--	--	--
4/5/06		99.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/26/06		99.18	--	13.42	--	85.76	--	--	--	--	--	--	--	--	--	--
7/19/07		99.18	--	12.82	--	86.36	--	--	--	--	--	--	--	--	--	--
7/23/08		99.18	--	14.54	--	84.64	--	--	--	--	--	--	--	--	--	--
7/13/09		99.18	--	12.01	--	87.17	--	--	--	--	--	--	--	--	--	--
12/17-18/09		99.18	--	11.29	--	87.89	310	<69	**2,300**	**230**	28	2.9	9.3	<2.5	--	--
3/17/10		99.18	--	11.36	--	87.82	**2,200**	200	**88,000**	**4,900**	**16,000**	**1,200**	**7,600**	<500	--	--
06/22-23/10		99.18	--	11.79	--	87.39	**1,500**	<70	**56,000**	**17**	**2,000**	**1,300**	**11,000**	<63	--	--
9/13/10		99.18	--	15.71	--	83.47	**30,000**	<1,700	**37,000**	**490**	**1,400**	**990**	**5,000**	<13	--	--
12/20/10		99.18	--	15.92	--	83.26	**9,900**	<1,400	**23,000**	**330**	650	620	**2,900**	<25	--	--
6/16/11		99.18	--	15.79	--	83.39	**3,800**	<690	**11,000**	**230**	30	370	630	<20	--	--
9/23/11		99.18	--	16.70	--	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	--	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					--	--	--	--	--
9/28/13		99.18	17.18	18.08	0.90	81.82	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
12/7/13		99.18	17.30	18.84	1.54	81.57	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
3/15/14		99.18	16.87	19.06	2.19	81.87	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--

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Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)	T. Lead
MW-11																
2/19/90		98.43	--	--	--	--	--	--	**244,000**	**342**	**5,430**	**2,150**	**9,020**	--	--	--
4/12/91		98.43	--	--	--	--	--	--	ND	ND	**3,300**	**1,700**	**9,500**	--	--	--
6/28/91		98.43	--	--	--	--	--	--	**45,000**	**220**	**5,400**	**2,200**	**11,000**	--	--	--
9/18/91		98.43	--	--	--	--	--	--	**58,000**	**210**	**4,900**	**2,000**	**9,900**	--	--	--
12/3/91		98.43	--	--	--	--	--	--	**41,000**	**210**	**5,100**	**2,000**	**9,700**	--	--	--
2/25/92		98.43	--	--	--	--	--	--	**47,000**	**190**	**4,500**	**1,700**	**8,400**	--	--	--
5/15/92		98.43	--	--	--	--	--	--	**34,000**	**61**	420	**750**	**4,700**	--	--	--
7/31/92		98.43	--	15.18	--	83.25	--	--	--	--	--	--	--	--	--	--
8/18/92		98.43	--	15.31	--	83.12	--	--	**70,000**	**210**	**6,700**	210	**1,100**	--	--	--
9/25/92		98.43	--	15.00	--	83.43	--	--	--	--	--	--	--	--	--	--
2/23/93		98.43	--	15.15	--	83.28	--	--	**52,000**	**150**	**4,100**	**1,700**	**7,900**	--	--	--
5/12/93		98.43	--	14.76	--	83.67	--	--	**57,000**	**200**	**5,200**	**2,000**	**9,400**	--	--	--
8/18/93		98.43	--	14.79	--	83.64	--	--	**52,000**	**130**	**4,100**	**1,800**	**8,300**	--	--	--
11/10/93		98.43	--	15.19	--	83.24	--	--	**51,000**	**160**	**3,500**	**1,800**	**6,300**	--	--	--
2/3/94		98.43	--	14.81	--	83.62	--	--	**33,000**	**74**	**1,900**	**880**	**3,300**	--	--	--
4/26/94		98.43	--	14.11	--	84.32	--	--	**26,000**	**39**	270	170	**2,600**	--	--	--
7/20/94		98.43	--	14.51	--	83.92	--	--	**18,000**	ND	45	85	540	--	--	--
10/18/94		98.43	--	15.32	--	83.11	--	--	**38,000**	**130**	**3,300**	**830**	**4,200**	--	--	--
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	--	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	--	83.11	--	--	**71,000**	**130**	**5,100**	**2,000**	**11,000**	<20	--	--

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Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)	T. Lead
MW-11 (cont)																
6/26/02		98.43	15.69	15.78	0.09	82.72	--	--	--	--	--	--	--	--	--	--
7/11/02		98.43	15.84	15.90	0.06	82.58	--	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
8/29/02		98.43	16.21	16.29	0.08	82.20	--	--	--	--	--	--	--	--	--	--
9/7/02		98.43	15.91	15.96	0.05	82.51	--	--	--	--	--	--	--	--	--	--
10/10/02		98.43	16.20	16.94	0.74	82.08	--	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
11/22/02		98.43	15.88	15.94	0.06	82.54	--	--	--	--	--	--	--	--	--	--
12/11/02		98.43	15.77	15.89	0.12	82.64	--	--	--	--	--	--	--	--	--	--
1/10/03		98.43	15.98	17.61	1.63	82.12	--	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
2/13/03		98.43	15.89	16.93	1.04	82.33	--	--	--	--	--	--	--	--	--	--
3/5/03		98.43	15.78	16.77	0.99	82.45	--	--	--	--	--	--	--	--	--	--
4/21/03		98.43	14.86	14.91	0.05	83.56	--	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
5/19/03		98.43	14.73	14.76	0.03	83.69	--	--	--	--	--	--	--	--	--	--
6/5/03		98.43	14.94	15.01	0.07	83.48	--	--	--	--	--	--	--	--	--	--
6/26/03		98.43	15.18	15.20	0.02	83.25	--	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
8/18/03		98.43	16.01	16.05	0.04	82.41	--	--	--	--	--	--	--	--	--	--
9/6/03		98.43	16.01	16.04	0.03	82.41	--	--	--	--	--	--	--	--	--	--
10/14/03	NP	98.43	--	15.90	0.00	82.53	--	--	**65,000**	**72**	**3,600**	**1,700**	**8,600**	<100	--	--
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	--	--	--	--	--	--	--	--	--	--

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

Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)	T. Lead
MW-11 (cont)																
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	--	85.01	--	--	<48	1.0	<0.5	0.6	2.0	<2.5	--	--
7/19/07	NP	98.43	--	12.31	--	86.12	--	--	<50	1.5	<0.5	<0.5	<1.5	<10	--	--
7/23/08	NP	98.43	--	14.45	--	83.98	--	--	530	<0.5	<2.0	1.5	8.0	<2.5	--	--
7/13/09	NP	98.43	--	11.64	--	86.79	--	--	**4,500**	**530**	95	170	640	<5.0	--	--
12/17-18/09		98.43	--	11.40	--	87.03	230	<70	**3,800**	**510**	610	23	95	<13	--	--
3/17/10		98.43	--	11.31	--	87.12	400	430	**57,000**	**2,900**	**9,700**	**840**	**6,200**	<63	--	--
06/22-23/10		98.43	--	11.64	--	86.79	**870**	<68	**41,000**	**64**	**1,600**	**940**	**6,700**	<25	--	--
9/13/10		98.43	--	15.16	--	83.27	**25,000**	<1,700	**42,000**	**99**	**1,200**	**760**	**5,300**	<25	--	--
12/21/10		98.43	--	15.33	--	83.10	**1,600**	<350	**40,000**	**390**	**2,700**	**720**	**4,900**	**59**	--	--
6/16/11		98.43	--	15.08	--	83.35	**3,800**	<680	**33,000**	**490**	**1,800**	600	**3,000**	<25	--	--
9/23/11		98.43	--	16.00	--	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	--	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		98.43	16.13	16.15	0.02	82.30	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
9/28/13		98.43	16.65	17.10	0.45	81.69	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
12/7/13		98.43	16.60	18.56	1.96	81.44	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
3/15/14		98.43	16.22	18.94	2.72	81.67	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	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
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.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)	T. Lead
MW-12 (cont)																
2/23/93		100.50	--	15.99	--	84.51	--	--	**140,000**	**20,000**	**31,000**	**1,600**	**12,000**	--	--	--
5/12/93		100.50	--	15.55	--	84.95	--	--	**120,000**	**19,000**	**29,000**	**1,700**	**15,000**	--	--	--
8/18/93		100.50	--	15.57	--	84.93	--	--	**160,000**	**21,000**	**39,000**	**2,500**	**18,000**	--	--	--
11/10/93		100.50	--	16.12	--	84.38	--	--	**160,000**	**21,000**	**35,000**	**3,000**	**14,000**	--	--	--
2/3/94		100.50	--	15.76	--	84.74	--	--	**130,000**	**21,000**	**43,000**	**2,100**	**13,000**	--	--	--
4/26/94		100.50	--	15.29	--	85.21	--	--	**200,000**	**20,000**	**37,000**	**3,100**	**16,000**	--	--	--
7/20/94		100.50	--	16.39	--	84.11	--	--	**240,000**	**26,000**	**41,000**	**4,000**	**24,000**	--	--	--
10/18/94		100.50	19.65	21.89	2.24	80.40	--	--	--	--	--	--	--	--	--	--
2/1/95		100.50	19.00	20.75	1.75	81.15	--	--	--	--	--	--	--	--	--	--
7/12/95		100.50	--	16.48	--	84.02	--	--	**100,000**	**12,000**	**21,000**	**1,500**	**12,000**	--	--	--
1/4/96		100.50	--	15.01	--	85.49	--	--	**1,100,000**	ND	ND	**1,800**	**37,000**	--	--	--
1/7/97		100.50	16.70	16.70	Sheen	83.80	--	--	**471,000**	**9,700**	**21,500**	**3,210**	**34,600**	--	--	--
2/12/98		100.50	--	16.30	--	84.20	--	--	**176,000**	**17,200**	**27,700**	**2,270**	**21,400**	--	--	--
5/31/99	NP	100.50	--	16.33	--	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	82.21	--	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
4/11/01		100.50	--	17.11	--	83.39	--	--	**219,000**	**15,200**	**23,700**	**2,420**	**27,900**	--	--	--
7/28/01		100.50	--	16.78	--	83.72	--	--	**170,000**	**12,400**	**23,100**	**2,370**	**27,100**	--	--	--
10/15/01		100.50	--	16.96	--	83.54	--	--	**168,000**	**12,300**	**21,200**	**2,010**	**25,300**	--	--	--
1/5/02		100.50	--	15.54	--	84.96	--	--	**131,000**	**9,870**	**17,500**	**1,810**	**24,300**	--	--	--
NOT MONITORED/SAMPLED			--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/17-18/09		100.50	--	16.69	--	83.81	**9,300**	**1,700**	**200,000**	**4,100**	**4,700**	620	**18,000**	<50	--	--
3/17/10		100.50	--	15.98	--	84.52	**25,000**	<3,500	**200,000**	**4,300**	**7,200**	**980**	**19,000**	<50	--	--
06/22-23/10		100.50	--	15.29	--	85.21	**48,000**	**6,500**	**140,000**	**3,000**	**5,300**	610	**18,000**	<130	--	--
9/13/10		100.50	--	17.29	--	83.21	**7,500**	<730	**130,000**	**10,000**	**17,000**	**1,800**	**17,000**	<500	--	--
12/20/10		100.50	--	17.27	--	83.23	**3,900**	<360	**120,000**	**8,800**	**12,000**	**1,600**	**12,000**	**230**	--	--
6/16/11		100.50	--	17.11	--	83.39	**2,800**	<350	**110,000**	**7,400**	**13,000**	**1,500**	**15,000**	<500	--	--
9/23/11		100.50	--	18.17	--	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	--	82.75	**3,800**	**640**	**110,000**	**11,000**	**12,000**	**2,300**	**15,000**	**400**	--	--
6/2/12		100.50	--	20.90	--	79.60	INSUFFICIENT WATER TO SAMPLE				--	--	--	--	--	--

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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.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)	T. Lead
MW-12 (cont)																
9/30/12		100.50	--	18.45	--	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	--	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	--	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	--	82.43	**930**	210	**170,000**	**14,000**	**25,000**	**3,200**	**23,000**	300/<10[6]	--	**28.5**
9/28/13		100.50	18.67	18.86	0.19	81.79	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
12/7/13		100.50	19.33	19.40	0.07	81.16	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
3/15/14		100.50	18.27	18.58	0.31	82.17	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
MW-13																
2/19/90		99.01	--	--	--	--	--	--	ND	ND	45	78	176	--	--	--
4/12/91		99.01	--	--	--	--	--	--	3,100	5.9	13	79	140	--	--	--
6/28/91		99.01	--	--	--	--	--	--	2,300	30	6.9	100	120	--	--	--
9/18/91		99.01	--	--	--	--	--	--	3,700	14	6.9	50	94	--	--	--
12/3/91		99.01	--	--	--	--	--	--	2,500	26	5.6	110	85	--	--	--
2/25/92		99.01	--	--	--	--	--	--	2,400	27	ND	91	89	--	--	--
5/15/92		99.01	--	--	--	--	--	--	650	6.3	0.83	24	15	--	--	--
7/31/92		99.01	--	15.38	--	83.63	--	--	--	--	--	--	--	--	--	--
8/18/92		99.01	--	15.35	--	83.66	--	--	2,900	1.9	2.1	35	15	--	--	--
9/25/92		99.01	--	15.68	--	83.33	--	--	--	--	--	--	--	--	--	--
2/23/93		99.01	--	15.38	--	83.63	--	--	2,100	4.6	3.6	31	35	--	--	--
5/13/93		99.01	--	15.01	--	84.00	--	--	**2,400**	**21**	ND	160	140	--	--	--
8/18/93		99.01	--	14.92	--	84.09	--	--	**1,800**	3.5	1.9	25	20	--	--	--
11/10/93		99.01	--	15.45	--	83.56	--	--	**1,700**	**7.8**	2.0	14	21	--	--	--
2/3/94		99.01	--	15.27	--	83.74	--	--	**2,300**	4.7	4.2	47	53	--	--	--
4/26/94		99.01	--	14.75	--	84.26	--	--	**3,100**	**15**	5.2	73	45	--	--	--
7/20/94		99.01	--	15.23	--	83.78	--	--	**3,200**	**5.3**	6.4	140	88	--	--	--
10/18/94		99.01	--	16.17	--	82.84	--	--	**4,600**	**8.3**	8.9	160	64	--	--	--
2/1/95		99.01	--	15.86	--	83.15	--	--	**4,900**	**26**	17	120	120	--	--	--
7/12/95		99.01	--	15.45	--	83.56	--	--	**2,800**	**20**	3.6	98	23	--	--	--
1/4/96		99.01	--	15.01	--	84.00	--	--	**4,700**	**36**	7.9	170	82	--	--	--
1/7/97		99.01	--	14.25	--	84.76	--	--	474	ND	ND	ND	2.86	--	--	--
2/12/98		99.01	--	15.09	--	83.92	--	--	ND	ND	ND	ND	ND	--	--	--

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Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)	T. Lead
MW-13 (cont)																
5/31/99	NP	99.01	--	15.27	--	83.74	--	--	ND	0.518	ND	ND	ND	--	--	--
6/8/00		99.01	--	15.89	--	83.12	--	--	--	--	--	--	--	--	--	--
1/30/01		99.01	--	16.41	--	82.60	--	--	**4,060**	**12.2**	5.29	88.2	53.9	--	--	--
4/11/01		99.01	--	16.44	--	82.57	--	--	**4,630**	**7.09**	3.32	116	87.0	--	--	--
7/28/01		99.01	--	16.49	--	82.52	--	--	**4,580**	**8.08**	5.39	99.6	72.2	--	--	--
10/15/01		99.01	--	16.77	--	82.24	--	--	**4,120**	4.74	2.88	38.0	37.3	--	--	--
1/5/02		99.01	--	15.66	--	83.35	--	--	**4,620**	3.40	3.68	61.2	34.3	--	--	--
4/2/02	NP	99.01	--	15.33	--	83.68	--	--	**4,000**	<0.50	<1.0	26	7.2	<5.0	--	--
7/11/02	NP	99.01	--	15.91	--	83.10	--	--	**10,000**	1.5	6.0	31	110	<2.5	--	--
10/10/02	NP	99.01	--	16.48	--	82.53	--	--	**4,600**	2.8	9.9	15	110	<20	--	--
1/10/03	NP	99.01	--	16.23	--	82.78	--	--	**2,500**	<5.0	0.73	0.75	2.2	<20	--	--
4/21/03	NP	99.01	--	14.81	--	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	--	82.89	--	--	**2,300**	2.1	<1.0	9.3	4.1	<10	--	--
1/7/04	NP	99.01	--	15.22	--	83.79	--	--	**2,300**	<2.0	0.5	3.1	2.1	<5.0	--	--
4/21/04	NP	99.01	--	14.88	--	84.13	--	--	**2,100**	2.5	1.8	48	25	<50	--	--
7/1/04	NP	99.01	--	15.20	--	83.81	--	--	**2,600**	<5.0	1.4	28	14	<5.0	--	--
10/15/04	NP	99.01	--	15.60	--	83.41	--	--	**1,700**	1.8	<1.0	7.9	<9.0	<10	--	--
1/5/05	NP	99.01	--	15.27	--	83.74	--	--	**1,600**	<5.0	0.6	7.0	<3.0	<5.0	--	--
8/4/05	NP	99.01	--	14.72	--	84.29	--	--	**1,200**	1.6	<0.5	1.7	<3.0	<2.5	--	--
07/26/06	NP	99.01	--	13.90	--	85.11	--	--	54	1.8	<0.5	<0.5	<1.5	<2.5	--	--
7/19/07	NP	99.01	--	13.30	--	85.71	--	--	93	1.9	<0.5	<0.5	<1.5	<10	--	--
7/23/08	NP	99.01	--	14.71	--	84.30	--	--	100	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/13/09	NP	99.01	--	12.67	--	86.34	--	--	<50	**16**	<0.5	<0.5	<1.5	<2.5	--	--
12/17-18/09		99.01	--	12.22	--	86.79	<29	<67	93	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
3/17/10		99.01	--	12.13	--	86.88	**2,200**	**630**	**4,100**	**58**	<10	5.7	15	4.3	--	--
06/22-23/10		99.01	--	12.27	--	86.74	**700**	<70	**23,000**	**70**	91	470	**4,000**	<25	--	--
9/13/10		99.01	--	15.57	--	83.44	**2,000**	<340	**4,400**	**450**	300	82	100	<13	--	--
12/21/10		99.01	--	15.77	--	83.24	**910**	270	**3,900**	**290**	55	69	68	**34**	--	--
6/16/11		99.01	--	15.43	--	83.58	**2,000**	<350	**4,900**	**210**	12	74	89	<50	--	--
9/23/11		99.01	--	16.25	--	82.76	**730**	<69	**4,500**	**190**	8.8	80	85	<50	--	--

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Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)	T. Lead
MW-13 (cont)																
1/14/12		99.01	--	16.55	--	82.46	**1,700**	140	**4,300**	**160**	8.2	78	60	**38**	--	--
3/31/12		99.01	--	15.90	--	83.11	**4,300**	89	**4,500**	**200**	8.5	100	80	**36**	--	--
6/2/12		99.01	--	15.60	--	83.41	**3,300**	240	**4,200**	**140**	7.8	110	83	**33**	--	--
9/30/12		99.01	--	16.54	--	82.47	**500**	96	**3,400**	**110**	8.3	96	84	19/<0.5[6]	--	--
12/15/12		99.01	--	16.20	--	82.81	**17,000**	380	**14,000**	**100**	8.5	99	100	17/<3[6]	--	--
3/16/13		99.01	--	16.06	--	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					--	--	--	--	--
9/28/13		99.01	17.04	17.54	0.50	81.87	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
12/7/13		99.01	17.32	17.88	0.56	81.58	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
3/15/14		99.01	16.95	17.28	0.33	81.99	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	--	--	--	--	--	--	--	--	--	--
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	--	--	--

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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.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)	T. Lead
MW-14 (cont)																
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	--	--	--	--	--	--	--	--	--	--
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	--	--

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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.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)	T. Lead
MW-14 (cont)																
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	--	--
9/28/13		99.53	--	15.80	--	83.73	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
12/7/13		99.53	--	15.91	--	83.62	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
3/15/14		99.53	--	16.11	--	83.42	<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	--	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--

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Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)	T. Lead
MW-15 (cont)																
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	--	--
9/28/13		98.83	--	13.83	--	85.00	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
12/7/13		98.83	--	17.68	--	81.15	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
3/15/14		98.83	--	17.41	--	81.42	<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	--
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	--	--

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Well ID/ Date	Purge Method	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)	T. Lead
MW-16 (cont.)																
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]	--	0.27
9/28/13		97.80	--	16.60	--	81.20	31	<67	**2,500**	**230**	7.6	230	20	<29/<0.5[6]	--	0.50
12/7/13		97.80	--	16.83	--	80.97	--	--	**2,100**	**230**	6.4	210	16	<29	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
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.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)	T. Lead
MW-16 (cont.)																
3/15/14		97.80	--	16.66	--	81.14	33	<67	**1,200**	**200**	4.8	150	11	<2.5	--	<0.085
RW-1																
7/21/13		--	--	19.11	--	--	<29	<68	**1,100**	**49**	220	23	110	2.8/<0.5[6]	--	--
9/28/13		--	INACCESSIBLE - WELL DAMAGED				--	--	--	--	--	--	--	--	--	--
12/7/13		--	INACCESSIBLE - WELL DAMAGED				--	--	--	--	--	--	--	--	--	--
3/15/14		--	INACCESSIBLE - WELL DAMAGED				--	--	--	--	--	--	--	--	--	<0.085
TRIP BLANK																
2/12/98		--	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
5/31/99		--	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
6/8/00		--	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--
1/30/01		--	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
4/11/01		--	--	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--	--	--
7/28/01		--	--	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--	--	--
10/15/01		--	--	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--	--	--
1/5/02		--	--	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--	--	--
4/2/02		--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
QA																
7/11/02		--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
10/10/02		--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
01/10/03[5]		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/21/03		--	--	--	--	--	--	--	<50	<0.5	0.9	<0.5	<1.5	<2.5	--	--
6/26/03		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/14/03		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/7/04		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
4/21/04		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/1/04		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/15/04		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
1/5/05		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
8/4/05		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
07/26/06		--	--	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/19/07		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
CHEVRON SERVICE STATION NO. 90129
4700 Brooklyn Avenue
Seattle, Washington
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Abbreviations:

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

Notes:

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

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
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.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead (mg/L)	T. Lead
QA (cont)																
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	--	--
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	--	--
9/28/13		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
12/7/13		--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
3/15/14		--	--	--	--	--	--	--	<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	--	15
Current Method:[7]							NWTPH-Dx Extended[8]		NWTPH-Gx	USEPA 8021B					USEPA 6000/7000	USEPA 6020

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QA = Quality Assurance/Trip Blank
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SPHT = SPH Thickness
TOC = Top of Casing
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8 Analyzed with silica-gel clean up.

Attachment A:
Groundwater Monitoring and Sampling Data Package

GETTLER-RYAN INC.

TRANSMITTAL

March 26, 2014
G-R #386649

TO: Ms. Ruth A. Otteman
Leidos, Inc.
18912 North Creek Parkway, Suite 101
Bothell, WA 98011

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6805 Sierra Court, Suite G
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 **First Quarter Event of March 15, 2014**

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:	3.15.14
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
	FORMER REMEDIATION COMPOUND				

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

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

Additional Comments/Observations: _____

Standard Operating Procedure, Low-Flow Purging and Sampling

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

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

Initial Pump Discharge Test Procedures

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

The bladder pump or suction inlet tubing of the peristaltic pump is then positioned with its inlet located within the screened interval of the well. The in-line flow cell is then connected to the discharge tubing. After pump installation, the SWL is allowed to recover to its original level. The pump is then started at a discharge rate between 100 ml to 300 ml per minute with the in-line flow cell connected. The water level is monitored continuously for any change from the original measurement and the discharge rate is adjusted until an optimum discharge rate (ODR) is determined. The goal for the ODR is to produce a stable drawdown of less than 0.1 meter as allowed by site conditions; however the total drawdown from the initial SWL should not exceed 25% of the distance between pump inlet location and the top of the well screen. Once achieved, the ODR will be confirmed by volumetric discharge measurement and recorded on the field data sheet.

Purging and Water Quality Parameter Measurement

When the ODR has been determined and the SWL drawdown has been established within the acceptable range, and a minimum of one pump system volume (bladder volume and/or discharge tubing volume) has been purged, field measurements for temperature (T), pH, conductivity (Ec), and if required, oxygen reduction potential (ORP) and dissolved oxygen (DO) will be collected and documented on the field data sheet. Measurements should be taken every three to five minutes until parameters stabilize for three consecutive readings. The minimum parameter subset of T (± 10%), pH (± 0.1 unit), and Ec (± 10 uS) are required to stabilize. Additional parameters that may be required are DO (± 0.2 mg/l) and ORP (± 20 mV).

Sample Collection

When water quality parameters have stabilized, and the SWL drawdown remains established within the acceptable range, groundwater sample collection may begin. If used, the in-line flow cell and its tubing are disconnected from the discharge tubing prior to sample collection. Water samples are collected from the discharge tubing into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards, as directed by the scope of work. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler,

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

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

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

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

Site Address: **4700 Brooklyn Avenue** Event Date: 3.15.14 (inclusive)

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

Well ID MW-1

Well Diameter (2) 8 in.

Total Depth ft.

Depth to Water ~~X~~ NA ft.

Date Monitored: 3.15.14

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

☐ Check if water column is less then 0.50 ft.

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

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

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): _____ Weather Conditions: _____

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

Approx. Flow Rate: _____ mlpm Sediment Description: _____

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

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL LEAD (6020)

COMMENTS: Depth Pump Set At: ~~X~~ UNABLE TO ACCESS MW-1, IT HAS BEEN CAPPED AND SEALED WITH PVC GLUE & PVC CAP.

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

Well ID MW-2
Well Diameter (2) 8 in.
Total Depth 19.79 ft.
Depth to Water 10.62 ft.
1.17 xVF .17 = .19 x3 case volume = Estimated Purge Volume: .59 gal.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.86

Date Monitored: 3.15.14

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

☐ Check if water column is less then 0.50 ft.

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

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

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): 0021
Sample Time/Date: 0637 / 3.15.14
Approx. Flow Rate: 100 mlpm
Did well de-water? YES If yes, Time: 0629 Volume: 1 L gal. DTW @ Sampling: 10.82

Weather Conditions: OVERCAST
Water Color: CLOUDY Odor (Y) / N MILD
Sediment Description: GREYISH W/ BLACK

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (~~µmhos/cm~~ µS) MS	Temperature (C) / F	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0629	1	6.80	.446	12.0			

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL LEAD (6020)

COMMENTS: Depth Pump Set At: 19.5' DUE TO LOW GROUNDWATER, PERISTALTIC PUMP WAS USED TO COLLECT A READING AND SAMPLE. WELL DEWATERED WHILE COLLECTING SAMPLE.

Add/Replaced Lock: R Add/Replaced Plug: R 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: 3.15.14 (inclusive)
City: Seattle, WA Sampler: J.F

Well ID MW-3
Well Diameter (2) 8 in.
Total Depth 23.14 ft.
Depth to Water 18.80 ft.
4.34 xVF .17 = .73

Date Monitored: 3.15.14

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

☐ Check if water column is less then 0.50 ft.

x3 case volume = Estimated Purge Volume: 2.2 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 19.66

Purge Equipment:

Disposable Bailer	
Stainless Steel Bailer	
Stack Pump	
Suction Pump	
Grundfos	
Peristaltic Pump	X
QED Bladder Pump	
Other: NO PURGE SAMPLE/HANNA	

Sampling Equipment:

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

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): 0644 Weather Conditions: OVERCAST
Sample Time/Date: 1058 / 3.15.14 Water Color: CLOUDY Odor: (Y) / N MILD STRONG
Approx. Flow Rate: 200 mlpm Sediment Description: 10 BEYOND W/ BLACK
Did well de-water? YES If yes, Time: 0654 Volume: 1.5 L DTW @ Sampling: 19.62

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (~~umhos/cm~~ - ~~pS~~) NS	Temperature (C) / F	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0654	1.5	10.90	.253	11.7			

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL LEAD (6020)

COMMENTS: Depth Pump Set At: SLIGHT TO MODERATE SHEENING, USED PERI PUMP TO COLLECT SAMPLE DUE TO PINCHES IN THE CASING AT 22-23 FT.

Add/Replaced Lock: YL Add/Replaced Plug: R 2" 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: 3.15.14 (inclusive)
City: Seattle, WA Sampler: JP

Well ID MW-4
Well Diameter (2) 8 in.
Total Depth 21.87 ft.
Depth to Water 18.64 ft.
3.23 xVF .17 = .54

Date Monitored: 3.15.14

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

☐ Check if water column is less then 0.50 ft.

x3 case volume = Estimated Purge Volume: 1.6 gal.

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

Purge Equipment:

Disposable Bailer	
Stainless Steel Bailer	
Stack Pump	
Suction Pump	
Grundfos	
Peristaltic Pump	X
QED Bladder Pump	
Other: NO PURGE SAMPLE/HANNA	

Sampling Equipment:

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

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): 0529 Weather Conditions: OVERCAST
Sample Time/Date: 0550 / 3-15-14 Water Color: GREYISH Odor: (Y) / N STRONG
Approx. Flow Rate: 200 mlpm Sediment Description: GREYISH · BLACK
Did well de-water? YES If yes, Time: 0530 Volume: 1 ~~gal.~~ L DTW @ Sampling: 18.64

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (MS ~~µmhos/cm~~ µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0530	1	7.32	.385	12.4			

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL LEAD (6020)

COMMENTS: Depth Pump Set At: 20.5 - 21.0' SLIGHT TO MODERATE SHEENING
USED PERI PUMP DUE TO PINCHING IN THE CASING.

Add/Replaced Lock: R Add/Replaced Plug: R 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: 3.16.14 (inclusive)
City: Seattle, WA Sampler: J.P

Well ID MW-5
Well Diameter (2) 8 in.
Total Depth 21.74 ft.
Depth to Water 18.78 ft.
2.96 xVF .17 = .50 x3 case volume = Estimated Purge Volume: 1.5 gal.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 19.37

Date Monitored: 3.16.14

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

☐ Check if water column is less then 0.50 ft.

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

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): 0714 Weather Conditions: OVERCAST
Sample Time/Date: 0744 / 3.14.14 Water Color: CLOUDY Odor: (Y) / N MILD
Approx. Flow Rate: 200 mlpm Sediment Description: COLORLESS W/ BLACK
Did well de-water? ~~YES~~ If yes, Time: 0723 Volume: 1.5 ~~gal~~ DTW @ Sampling: 19.33

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (~~umhos/cm~~ mS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0723	1.5	6.63	.295	11.2			

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL LEAD (6020)

COMMENTS: Depth Pump Set At: PERI PUMP USED TO COLLECT DATA & PURGE SAMPLE DUE TO PINCHING IN THE CASING.

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0129 Job Number: 386649
Site Address: 4700 Brooklyn Avenue Event Date: 3.15.14 (inclusive)
City: Seattle, WA Sampler: VP

Well ID MW-16
Well Diameter (2) 8 in.
Total Depth 22.33 ft.
Depth to Water 18.78 ft.
3.55 xVF .17 = .60 x3 case volume = Estimated Purge Volume: 1.80 gal.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 18.49

Date Monitored: 3.15.14

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

☐ Check if water column is less then 0.50 ft.

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

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): 0003
Sample Time/Date: 0032 3.15.14
Approx. Flow Rate: 200 mlpm
Did well de-water? ~~NO~~ YES If yes, Time: 0014 Volume: 2 LT ~~gal.~~ DTW @ Sampling: 18.40

Weather Conditions: OVERCAST / RAIN
Water Color: CLOUDY Odor: (Y) N / MILD
Sediment Description: GREYISH W/ BLACK

Time (2400 hr.)	Volume (Liters)	pH	Conductivity ~~(umhos/cm)~~ mS	Temperature (C) F	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0014	2	10.62	.386	12.7			

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-16	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL LEAD (6020)

COMMENTS: Depth Pump Set At: USED PERI PUMP TO PURGE & SAMPLE WELL
ONE TO PINCHED CASING. SLIGHT SHEENING

Add/Replaced Lock: L Add/Replaced Plug: L 2" 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: 3.16.14 (inclusive)
City: Seattle, WA | Sampler: J.P

Well ID MW-7 | Date Monitored: 3.16.14
Well Diameter (2) 4 8 in.
Total Depth 20.84 ft.
Depth to Water 10.01 ft.
4.83 xVF .17 = .48 x3 case volume = Estimated Purge Volume: 1.4 gal.

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

☐ Check if water column is less then 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.57

Purge Equipment:
Disposable Bailer ____
Stainless Steel Bailer ____
Stack Pump ____
Suction Pump ____
Grundfos ____
Peristaltic Pump x
QED Bladder Pump ____
Other: NONE

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

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): 1018 | Weather Conditions: OVERCAST
Sample Time/Date: 1049 / 3.16.14 | Water Color: CLOUDY | Odor (Y) N | MILD
Approx. Flow Rate: 200 mlpm | Sediment Description: MEDIUM / W BROWN
Did well de-water? YES If yes, Time: 1036 Volume: 2 gal. DTW @ Sampling: 10.52

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS) (~~µmhos/cm~~)	Temperature (C) / F	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1036	2	6.73	.366	9.9			
[redacted]							

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
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL LEAD (6020)

COMMENTS: Depth Pump Set At: 19.5 - 20.5

Add/Replaced Lock: L Add/Replaced Plug: 1/2" 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: 3.15.14 (inclusive)

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

Well ID MW-8 Date Monitored: 3.15.14

Well Diameter 2/8 in.

Total Depth ft.

Depth to Water ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

Purge Equipment:

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

Sampling Equipment:

Disposable Bailer	
Pressure Bailer	
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: _____ mlpm Sediment Description: _____

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

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL LEAD (6020)

COMMENTS: Depth Pump Set At: @ 10.60. CANNOT SQUEEZE TUBING PAST. PHOTO. BOTTOM IS SOLID. TAPPED BOTTOM WITH PROBE

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

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

Site Address: **4700 Brooklyn Avenue** Event Date: 3.16.14 (inclusive)

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

Well ID MW-9

Well Diameter (2) 8 in.

Total Depth 21.30 ft.

Depth to Water 17.66 ft.

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

Date Monitored: 3.16.14

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

☐ Check if water column is less then 0.50 ft.

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

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: 1457 (2400 hrs)
Time Completed: 1511 (2400 hrs)
Depth to Product: 17.66 ft
Depth to Water: 18.99 ft
Hydrocarbon Thickness: 1.33 ft
Visual Confirmation/Description: YELLOWISH
~~Skimmer / Absorbant Sock (circle one)~~
~~Amt Removed from Skimmer: gal~~
~~Amt Removed from Well: gal~~
~~Water Removed: gal~~
~~Product Transfered to:~~

Start Time (purge): Weather Conditions:

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

Approx. Flow Rate: mlpm Sediment Description:

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

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL LEAD (6020)

COMMENTS: Depth Pump Set At: No Sock in Well

Add/Replaced Lock: R Add/Replaced Plug: R 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: 3.15.14 (inclusive)

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

Well ID MW-16

Well Diameter (2) 8 in.

Total Depth 21.34 ft.

Depth to Water 19.06 ft.

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

Date Monitored: 3.15.14

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

☐ Check if water column is less then 0.50 ft.

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

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: 1529 (2400 hrs)
Time Completed: 1642 (2400 hrs)
Depth to Product: 16.87 ft
Depth to Water: 19.06 ft
Hydrocarbon Thickness: 2.19 ft
Visual Confirmation/Description: YELLOWISH
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: mlpm Sediment Description:

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

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL LEAD (6020)

COMMENTS: Depth Pump Set At: 5Ft Sock in Well

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: 3.15.14 (inclusive)

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

Well ID MW-11

Well Diameter (2) 8 in.

Total Depth 22.58 ft.

Depth to Water 18.94 ft.

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

Date Monitored: 3.15.14

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

☐ Check if water column is less then 0.50 ft.

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

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: 1601 (2400 hrs)
Time Completed: 1613 (2400 hrs)
Depth to Product: 16.22 ft
Depth to Water: 18.94 ft
Hydrocarbon Thickness: 4.91 ft
Visual Confirmation/Description: YELLOWISH
Skimmer / Absorbant Sock (circle one)
~~Amt Removed from Skimmer:~~ gal
~~Amt Removed from Well:~~ gal
~~Water Removed:~~ gal
~~Product Transfered to:~~

Start Time (purge): Weather Conditions:

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

Approx. Flow Rate: mlpm Sediment Description:

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

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL LEAD (6020)

COMMENTS: Depth Pump Set At: 52ft Sock in Well

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: 3.15.14 (inclusive)

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

Well ID MW-12

Well Diameter 2 8 in.

Total Depth 21.31 ft.

Depth to Water 18.58 ft.

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

Date Monitored: 3.15.14

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

☐ Check if water column is less then 0.50 ft.

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

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: 1630 (2400 hrs)
Time Completed: 1654 (2400 hrs)
Depth to Product: 18.27 ft
Depth to Water: 18.58 ft
Hydrocarbon Thickness: .31 ft
Visual Confirmation/Description: YELLOWISH-BROWN
~~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: mlpm Sediment Description:

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

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL LEAD (6020)

COMMENTS: Depth Pump Set At: NO SOCK IN WELL

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: 3.15.14 (inclusive)

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

Well ID MW-13 Date Monitored: 3.15.14

Well Diameter (2) 4 in.

Total Depth 19.40 ft.

Depth to Water 17.28 ft.

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

☐ Check if water column is less then 0.50 ft.

2.12 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: 1429 (2400 hrs)
Time Completed: 1440 (2400 hrs)
Depth to Product: 16.95 ft
Depth to Water: 17.28 ft
Hydrocarbon Thickness: .33 ft
Visual Confirmation/Description: YELLOW/GRY
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: mlpm Sediment Description:

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

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - pS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL LEAD (6020)

COMMENTS: Depth Pump Set At: SOCK IN WELL

Add/Replaced Lock: 1 Add/Replaced Plug: 1 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: 3.15.14 (inclusive)
City: Seattle, WA Sampler: JF

Well ID MW-14
Well Diameter (2) / 8 in.
Total Depth 23.22 ft.
Depth to Water 16.11 ft.
Date Monitored: 3.15.14

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

☐ Check if water column is less then 0.50 ft.

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

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 17.63

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1320 Weather Conditions: RAIN
Sample Time/Date: 1354 / 3.15.14 Water Color: CLOUDY Odor: Y / (N)
Approx. Flow Rate: — mlpm Sediment Description: GREYISH BROWN
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 17.51

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (~~umhos/cm~~ mS)	Temperature (C) / F	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1332	1.5	6.72	.291	11.3			
1340	3	6.79	.317	11.2			
1347	4	6.803	.320	10.80			

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-14	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL LEAD (6020)

COMMENTS: Depth Pump Set At:

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

Well ID MW-15 Date Monitored: 3.15.14
Well Diameter 2 / 8 in.
Total Depth 24.64 ft.
Depth to Water 17.41 ft.

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

☐ Check if water column is less then 0.50 ft.

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

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 18.83

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1213 Weather Conditions: RAIN
Sample Time/Date: 1241 / 3.15.14 Water Color: CLOUDY Odor: (Y) N MILD
Approx. Flow Rate: ——— mlpm Sediment Description: GREYISH / BLACK
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 18.66

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - µS) MS	Temperature (C) F	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1220	1.5	6.74	.266	11.7			
1230	3	10.02	.217	11.3			
1236	4	10.09	.224	10.9			

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
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL LEAD (6020)

COMMENTS: Depth Pump Set At:

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: 3.15.14 (inclusive)
City: Seattle, WA | Sampler: J.V

Well ID: MW-16 | Date Monitored: 3.15.14
Well Diameter: 2 | 8 in.
Total Depth: 24.64 ft.
Depth to Water: 14.66 ft.
7.88 xVF .17 = 1.3 x3 case volume = Estimated Purge Volume: 4 gal.

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

☐ Check if water column is less then 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 16.23

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1110 | Weather Conditions: Rain
Sample Time/Date: 1140 / 3.15.14 | Water Color: ~~CLEAR~~ CLOUDY | Odor: (Y) / N | MILD
Approx. Flow Rate: — mlpm | Sediment Description: GREYISH / BLACK
Did well de-water? NO | If yes, Time: — | Volume: — gal. | DTW @ Sampling: 16.17

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (~~umhos/cm~~ mS)	Temperature (C) / F	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1119	1.5	6.79	.337	12.5			
1127	3	6.93	.342	12.9			
1132	4	6.94	.350	11.7			

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-16	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL LEAD (6020)

COMMENTS: Depth Pump Set At:

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: 3.15.14 (inclusive)

City: Seattle, WA Sampler: J.F

Well ID R-1/RW-1 Date Monitored: 3.15.14

Well Diameter 2/8 in.

Total Depth ~~X~~ ft.

Depth to Water X UTA ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): _____ Weather Conditions: _____

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

Approx. Flow Rate: _____ mlpm Sediment Description: _____

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

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX+MTBE(8021)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL LEAD (6020)

COMMENTS: Depth Pump Set At: ~~X~~ UNABLE TO GAIN ACCESS TO WELL. SHEARED BOLTS, MISSING HANDLE. NEEDS REPAIR.

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

Chevron Northwest Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

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

SCR #: _____

(1) Client Information

Facility # SS#9-0129-OML G-R#386649 WBS
Site Address 4700 Brooklyn Avenue, SEATTLE, WA
Chevron PM ~~MHO~~ BW LEIDOSRO Lead Consultant Ruth Otteman
Consultant/Office Gettler-Ryan, Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568
Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com)
Consultant Phone # (925) 551-7444 x180
Sampler J. PAYNE

(4) Matrix

Soil ☐ Sediment ☐ Water ☒ Potable ☐ Ground ☒ NPDES ☐ Surface ☐ Oil ☐ Air ☐

(3) Grab / Composite

(5) Analyses Requested

Total Number of 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 6020

(2) Sample Identification	Collected Date	Collected Time	Grab	Composite	Soil	Water	Oil	Total Containers	BTEX + MTBE 8021	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead Total	Lead Diss.
R.T.	3.15.14		X			X		2	X			X						
MW-2		0632	X			X		8	X			X	X					
MW-3		0640	X			X	9	8	X			X	X				X	
MW-4		0650	X			X		8	X			X	X					
MW-5		0744	X			X		8	X			X	X					
MW-6		0837	X			X		8	X			X	X					
MW-7		1049	X			X		8	X			X	X					
MW-14		1352	X			X		8	X			X	X					
MW-15		1241	X			X		8	X			X	X					
MW-16		1140	X			X	9	~~8~~	X			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.

Amended COC Jun 3/18/14

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

(7) Turnaround Time Requested (TAT) (please circle)

Standard | 5 day | 4 day | EDF/EDD
72 hour | 48 hour | 24 hour

Relinquished by	Date	Time	Received by	Date	Time
	3.17.14	1200			
Relinquished by	Date	Time	Received by	Date	Time

(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 _____ Other _____

Received by | Date | Time

Temperature Upon Receipt _____ °C

Custody Seals Intact? Yes No

(9)

Attachment B:
Laboratory Analysis Report

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

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

April 01, 2014

Project: 90129

Submittal Date: 03/18/2014
Group Number: 1460460
PO Number: 0015145794
Release Number: HOPKINS/WAITE

State of Sample Origin: WA

Client Sample Description	Lancaster Labs (LL) #
QA NA Water	7399003
MW-2 Grab Groundwater	7399004
MW-3 Grab Groundwater	7399005
MW-4 Grab Groundwater	7399007
MW-5 Grab Groundwater	7399008
MW-6 Grab Groundwater	7399009
MW-7 Grab Groundwater	7399010
MW-14 Grab Groundwater	7399011
MW-15 Grab Groundwater	7399012
MW-16 Grab Groundwater	7399013

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

ELECTRONIC COPY TO	Gettler-Ryan Inc.	Attn: Gettler Ryan
ELECTRONIC COPY TO	SAIC	Attn: Jamalyn Green
ELECTRONIC COPY TO	SAIC	Attn: Ruth Otteman

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

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

LL Sample # WW 7399003
LL Group # 1460460
Account # 11260

Project Name: 90129

Collected: 03/15/2014

Submitted: 03/18/2014 09:30
Reported: 04/01/2014 09:07

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BASQA

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

General Sample Comments

State of Washington Lab Certification No. C457

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	14079A53A	03/21/2014 14:14	Marie D Beamenderfer	1
02102	Method 8021 Water Master	SW-846 8021B	1	14079A53A	03/21/2014 14:14	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14079A53A	03/21/2014 14:14	Marie D Beamenderfer	1

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

LL Sample # WW 7399004
LL Group # 1460460
Account # 11260

Project Name: 90129

Collected: 03/15/2014 06:32 by JP

Submitted: 03/18/2014 09:30
Reported: 04/01/2014 09:07

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BAS02

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.	70	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	1.1	0.5	1
02102	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	1
02102	Toluene	108-88-3	1.9	0.5	1
02102	Total Xylenes	1330-20-7	10	1.5	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	30	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	70	1

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

General Sample Comments

State of Washington Lab Certification No. C457

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	14079A53A	03/21/2014 19:11	Marie D Beamenderfer	1
02102	Method 8021 Water Master	SW-846 8021B	1	14079A53A	03/21/2014 19:11	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14079A53A	03/21/2014 19:11	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	140830010A	03/27/2014 17:25	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	140830010A	03/24/2014 22:00	Elaine F Stoltzfus	1

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

LL Sample # WW 7399005
LL Group # 1460460
Account # 11260

Project Name: 90129

Collected: 03/15/2014 06:58 by JP

Submitted: 03/18/2014 09:30
Reported: 04/01/2014 09:07

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BAS03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	2,200	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	27	0.5	1
02102	Ethylbenzene	100-41-4	240	0.5	1
02102	Methyl tert-Butyl Ether	1634-04-4	N.D.	21	1
02102	Toluene	108-88-3	8.7	0.5	1
02102	Total Xylenes	1330-20-7	33	1.5	1
	Reporting limits were raised due to interference from the sample matrix.				
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	110	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	68	1
	The reverse surrogate, capric acid, is present at <1%.				
Metals	**SW-846 6020**		**ug/l**	**ug/l**	
06035	Lead	7439-92-1	8.0	0.085	1

General Sample Comments

State of Washington Lab Certification No. C457

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	14079A53A	03/21/2014 19:38	Marie D Beamenderfer	1
02102	Method 8021 Water Master	SW-846 8021B	1	14079A53A	03/21/2014 19:38	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14079A53A	03/21/2014 19:38	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	140830010A	03/27/2014 17:47	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	140830010A	03/24/2014 22:00	Elaine F Stoltzfus	1
06035	Lead	SW-846 6020	1	140836050004A	03/25/2014 22:32	John P Hook	1
06050	ICP/MS SW-846 Water Digest	SW-846 3010A modified	1	140836050004	03/24/2014 23:01	Annamaria Kuhns	1

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

LL Sample # WW 7399007
LL Group # 1460460
Account # 11260

Project Name: 90129

Collected: 03/15/2014 05:50 by JP

Submitted: 03/18/2014 09:30
Reported: 04/01/2014 09:07

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BAS04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Methyl Tertiary Butyl Ether	1634-04-4	6	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08274	NWTPH-Gx water C7-C12	n.a.	1,000	50	1
GC Volatiles	**SW-846 8021B**		ug/l	ug/l	
02102	Benzene	71-43-2	17	0.5	1
02102	Ethylbenzene	100-41-4	17	0.5	1
02102	Methyl tert-Butyl Ether	1634-04-4	7.3	2.5	1
02102	Toluene	108-88-3	N.D.	2.0	1
02102	Total Xylenes	1330-20-7	N.D.	5.0	1
	Reporting limits were raised due to interference from the sample matrix.				
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	3,700	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	220	67	1
	Due to the presence of fuel in the sample extract, capric acid recovery can not be determined.				

General Sample Comments

State of Washington Lab Certification No. C457

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	D140872AA	03/28/2014 12:14	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D140872AA	03/28/2014 12:14	Daniel H Heller	1
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14079A53A	03/21/2014 20:05	Marie D Beamenderfer	1
02102	Method 8021 Water Master	SW-846 8021B	1	14079A53A	03/21/2014 20:05	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14079A53A	03/21/2014 20:05	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	140830010A	03/27/2014 18:51	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	140830010A	03/24/2014 22:00	Elaine F Stoltzfus	1

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

LL Sample # WW 7399008
LL Group # 1460460
Account # 11260

Project Name: 90129

Collected: 03/15/2014 07:44 by JP

Submitted: 03/18/2014 09:30
Reported: 04/01/2014 09:07

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BAS05

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	0.5	0.5	1
02102	Total Xylenes	1330-20-7	2.9	1.5	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	30	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	69	1

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

General Sample Comments

State of Washington Lab Certification No. C457

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	14079A53A	03/21/2014 20:33	Marie D Beamenderfer	1
02102	Method 8021 Water Master	SW-846 8021B	1	14079A53A	03/21/2014 20:33	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14079A53A	03/21/2014 20:33	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	140830010A	03/27/2014 18:08	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	140830010A	03/24/2014 22:00	Elaine F Stoltzfus	1

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

LL Sample # WW 7399009
LL Group # 1460460
Account # 11260

Project Name: 90129

Collected: 03/15/2014 08:32 by JP

Submitted: 03/18/2014 09:30
Reported: 04/01/2014 09:07

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BAS06

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.	180	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	3.5	1.5	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1

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

General Sample Comments

State of Washington Lab Certification No. C457

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	14079A53A	03/21/2014 21:00	Marie D Beamenderfer	1
02102	Method 8021 Water Master	SW-846 8021B	1	14079A53A	03/21/2014 21:00	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14079A53A	03/21/2014 21:00	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	140830036A	03/27/2014 12:20	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	140830036A	03/25/2014 08:00	Kerrie A Freeburn	1

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

LL Sample # WW 7399010
LL Group # 1460460
Account # 11260

Project Name: 90129

Collected: 03/15/2014 10:49 by JP

Submitted: 03/18/2014 09:30
Reported: 04/01/2014 09:07

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BAS07

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.	120	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	1.1	0.5	1
02102	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	2.8	1.5	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1

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

General Sample Comments

State of Washington Lab Certification No. C457

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	14079A53A	03/21/2014 21:27	Marie D Beamenderfer	1
02102	Method 8021 Water Master	SW-846 8021B	1	14079A53A	03/21/2014 21:27	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14079A53A	03/21/2014 21:27	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	140830036A	03/27/2014 12:41	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	140830036A	03/25/2014 08:00	Kerrie A Freeburn	1

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

LL Sample # WW 7399011
LL Group # 1460460
Account # 11260

Project Name: 90129

Collected: 03/15/2014 13:54 by JP

Submitted: 03/18/2014 09:30
Reported: 04/01/2014 09:07

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BAS14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	N.D.	0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	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. C457

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	14079A53A	03/21/2014 21:54	Marie D Beamenderfer	1
02102	Method 8021 Water Master	SW-846 8021B	1	14079A53A	03/21/2014 21:54	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14079A53A	03/21/2014 21:54	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	140830036A	03/27/2014 13:02	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	140830036A	03/25/2014 08:00	Kerrie A Freeburn	1

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

LL Sample # WW 7399012
LL Group # 1460460
Account # 11260

Project Name: 90129

Collected: 03/15/2014 12:41 by JP

Submitted: 03/18/2014 09:30
Reported: 04/01/2014 09:07

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BAS15

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

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

General Sample Comments

State of Washington Lab Certification No. C457

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	14079A53A	03/21/2014 22:21	Marie D Beamenderfer	1
02102	Method 8021 Water Master	SW-846 8021B	1	14079A53A	03/21/2014 22:21	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14079A53A	03/21/2014 22:21	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	140830036A	03/27/2014 13:24	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	140830036A	03/25/2014 08:00	Kerrie A Freeburn	1

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

LL Sample # WW 7399013
LL Group # 1460460
Account # 11260

Project Name: 90129

Collected: 03/15/2014 11:40 by JP

Submitted: 03/18/2014 09:30
Reported: 04/01/2014 09:07

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BAS16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	1,200	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	200	0.5	1
02102	Ethylbenzene	100-41-4	150	0.5	1
02102	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	1
02102	Toluene	108-88-3	4.8	0.5	1
02102	Total Xylenes	1330-20-7	11	1.5	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	33	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**	**ug/l**	
06035	Lead	7439-92-1	N.D.	0.085	1

General Sample Comments

State of Washington Lab Certification No. C457

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	14079A53A	03/21/2014 22:48	Marie D Beamenderfer	1
02102	Method 8021 Water Master	SW-846 8021B	1	14079A53A	03/21/2014 22:48	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14079A53A	03/21/2014 22:48	Marie D Beamenderfer	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	140830036A	03/27/2014 13:46	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	140830036A	03/25/2014 08:00	Kerrie A Freeburn	1
06035	Lead	SW-846 6020	1	140836050004A	03/25/2014 22:34	John P Hook	1
06050	ICP/MS SW-846 Water Digest	SW-846 3010A modified	1	140836050004	03/24/2014 23:01	Annamaria Kuhns	1

Quality Control Summary

Client Name: Chevron Group Number: 1460460
Reported: 04/01/14 at 09:07 AM

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

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: D140872AA	Sample number(s): 7399007							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	88		75-120		
Batch number: 14079A53A	Sample number(s): 7399003-7399005,7399007-7399013							
Benzene	N.D.	0.2	ug/l	95	96	80-120	1	30
Ethylbenzene	N.D.	0.2	ug/l	100	100	80-120	0	30
Methyl tert-Butyl Ether	N.D.	0.3	ug/l	90	90	76-131	0	30
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	105	107	75-135	1	30
Toluene	N.D.	0.2	ug/l	100	101	80-120	1	30
Total Xylenes	N.D.	0.2	ug/l	103	103	80-120	0	30
Batch number: 140830010A	Sample number(s): 7399004-7399005,7399007-7399008							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	64	81	32-117	23*	20
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 140830036A	Sample number(s): 7399009-7399013							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	67	65	32-117	3	20
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 140836050004A	Sample number(s): 7399005,7399013							
Lead	N.D.	0.085	ug/l	106		90-110		

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: D140872AA	Sample number(s): 7399007 UNSPK: P404001								
Methyl Tertiary Butyl Ether	90	84	72-126	7	30				
Batch number: 140836050004A	Sample number(s): 7399005,7399013 UNSPK: P395101 BKG: P395101								
Lead	104	102	89-120	2	20	N.D.	N.D.	0 (1)	20

Surrogate Quality Control

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

Quality Control Summary

Client Name: Chevron Group Number: 1460460
Reported: 04/01/14 at 09:07 AM

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: D140872AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7399007	88	91	106	97
Blank	88	96	106	95
LCS	89	99	106	98
MS	88	97	106	98
MSD	88	99	107	98
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Method 8021 Water Master
Batch number: 14079A53A

	Trifluorotoluene-P	Trifluorotoluene-F
7399003	75	68
7399004	75	69
7399005	90	100
7399007	71	76
7399008	75	68
7399009	75	74
7399010	75	73
7399011	75	68
7399012	74	69
7399013	86	95
Blank	75	68
LCS	73	75
LCSD	73	75
Limits:	51-120	63-135

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 140830010A

	Orthoterphenyl
7399004	82
7399005	92
7399007	88
7399008	88
Blank	82
LCS	84
LCSD	107
Limits:	50-150

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 140830036A

	Orthoterphenyl
7399009	86
7399010	79
7399011	93

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

Quality Control Summary

Client Name: Chevron Group Number: 1460460
Reported: 04/01/14 at 09:07 AM

Surrogate Quality Control

7399012	51
7399013	78
Blank	86
LCS	88
LCSD	84
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

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For Eurofins Lancaster Laboratories use only
Acct. # 11260 Group # 1460460 Sample # 7399003-14
Instructions on reverse side correspond with circled numbers.

SCR #: _____

1 Client Information

Facility # SS#9-0129-OML G-R#386649 WBS
Site Address 4700 Brooklyn Avenue, SEATTLE, WA
Chevron PM MHO LEIDOSRO Lead Consultant Ruth Otteman
Consultant/Office Gettler-Ryan, Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568
Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com)
Consultant Phone # (925) 551-7444 x180
Sampler J. PAYNE

4 Matrix

Soil ☐ Sediment ☐ Water ☒ Ground ☐ Potable ☐ Surface ☐ NPDES ☐ Oil ☐ Air ☐

5 Analyses Requested

2 Sample Identification	Collected Date	Collected Time	3 Grab	Composite	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 6020
R.T.	3.15.14		X		2	X			X								
MW-2		0632	X		8	X			X	X							
MW-3		0640	X		9	X			X	X							
MW-4		0650	X		8	X			X	X							
MW-5		0744	X		8	X			X	X							
MW-6		0832	X		8	X			X	X							
MW-7		1049	X		8	X			X	X							
MW-14		1354	X		8	X			X	X							
MW-15		1241	X		8	X			X	X							
MW-16		1140	X		9	X			X	X							

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

6 Remarks

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

7 Turnaround Time Requested (TAT) (please circle)

Standard | 5 day | 4 day | EDF/EDD
72 hour | 48 hour | 24 hour

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	Date	Time	Received by	Date	Time
	3.17.14	1200			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by Commercial Carrier: UPS ✓ FedEx _____ Other _____			Received by	Date 3/19/14	Time 0935
Temperature Upon Receipt 0.5-0.7 °C			Custody Seals Intact? Yes / No		

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Explanation of Symbols and Abbreviations

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

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

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

> greater than

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 ≥ 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 ≥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.

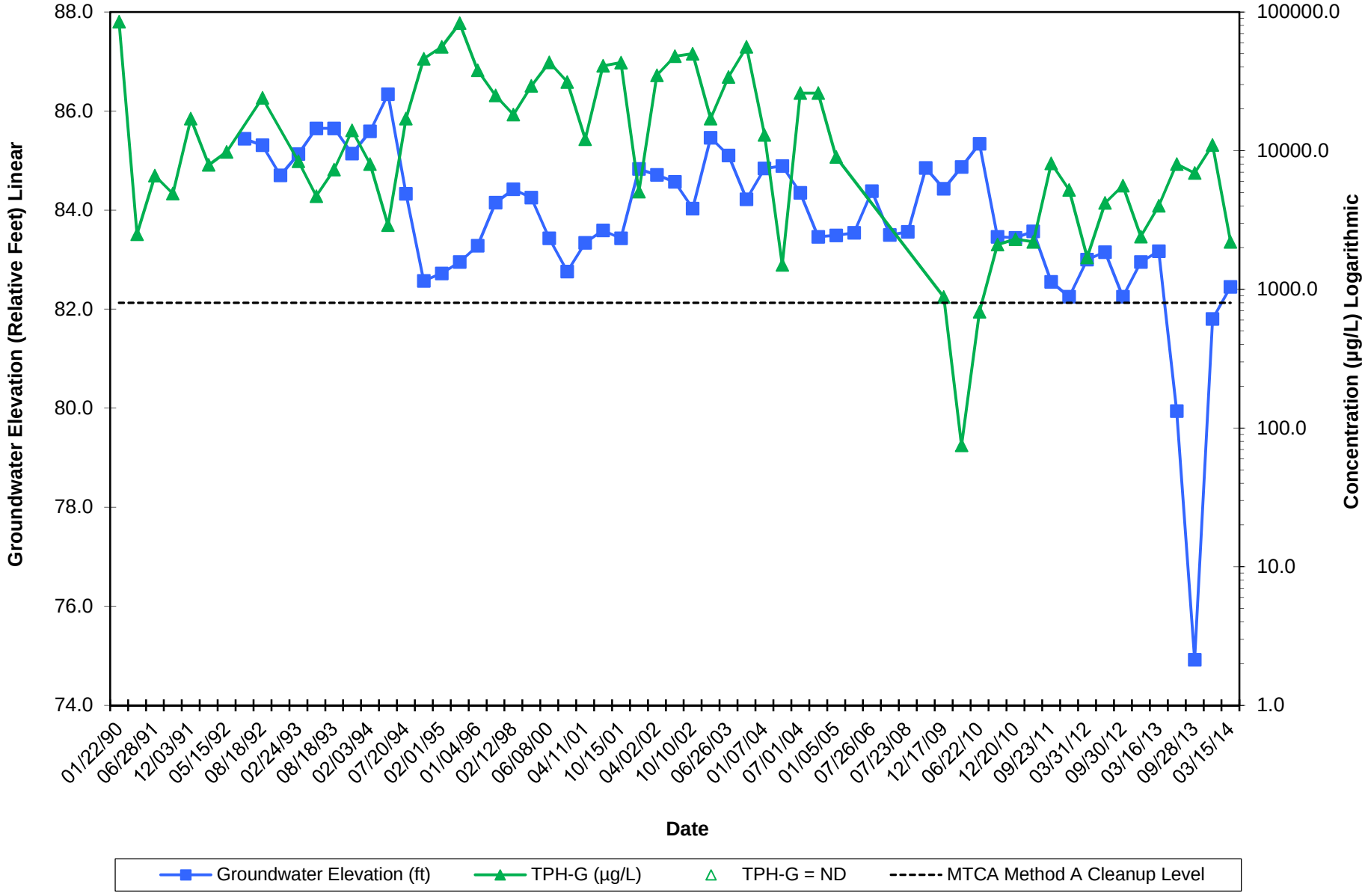
Measurement uncertainty values, as applicable, are available upon request.

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.

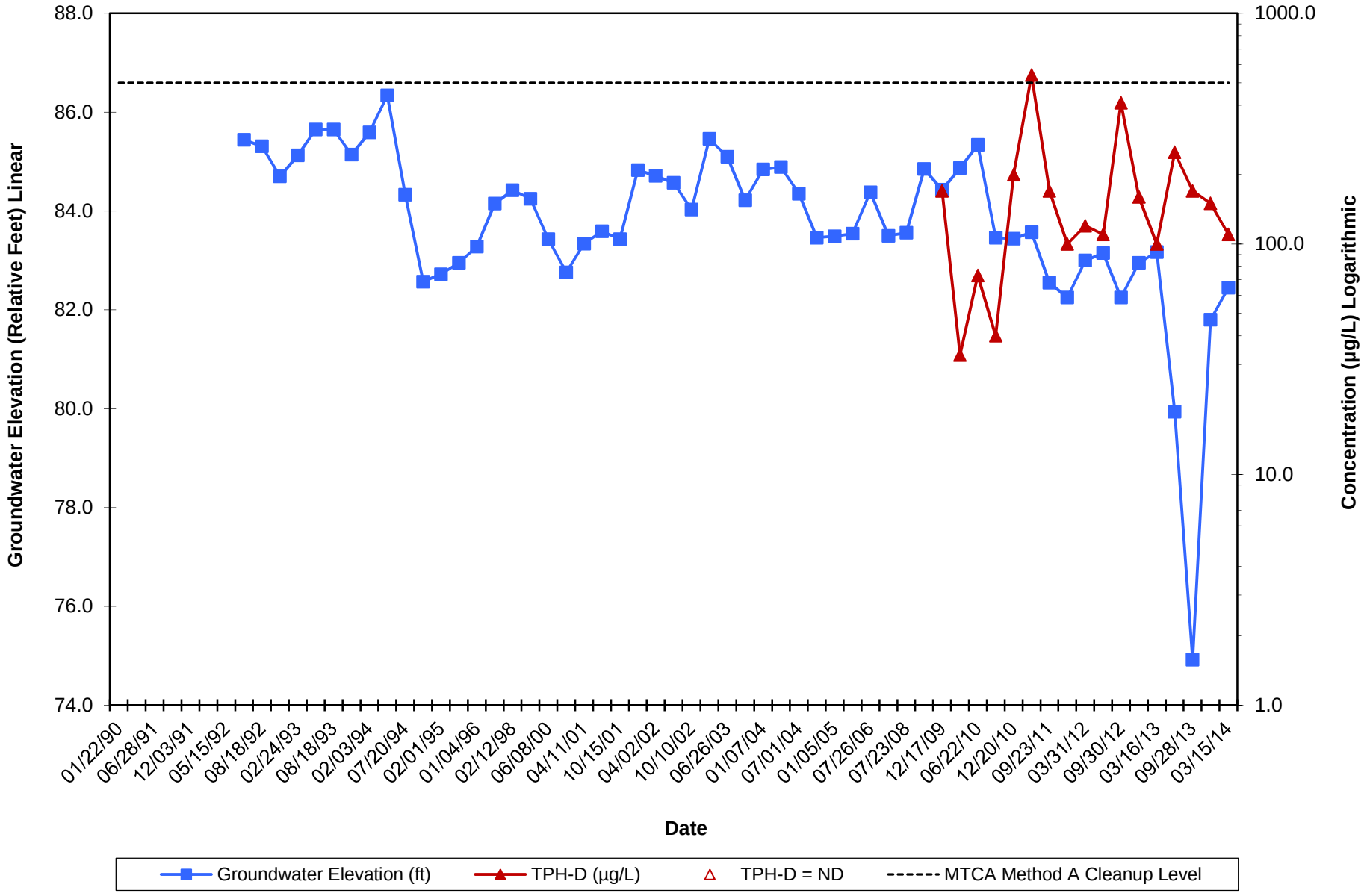
Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

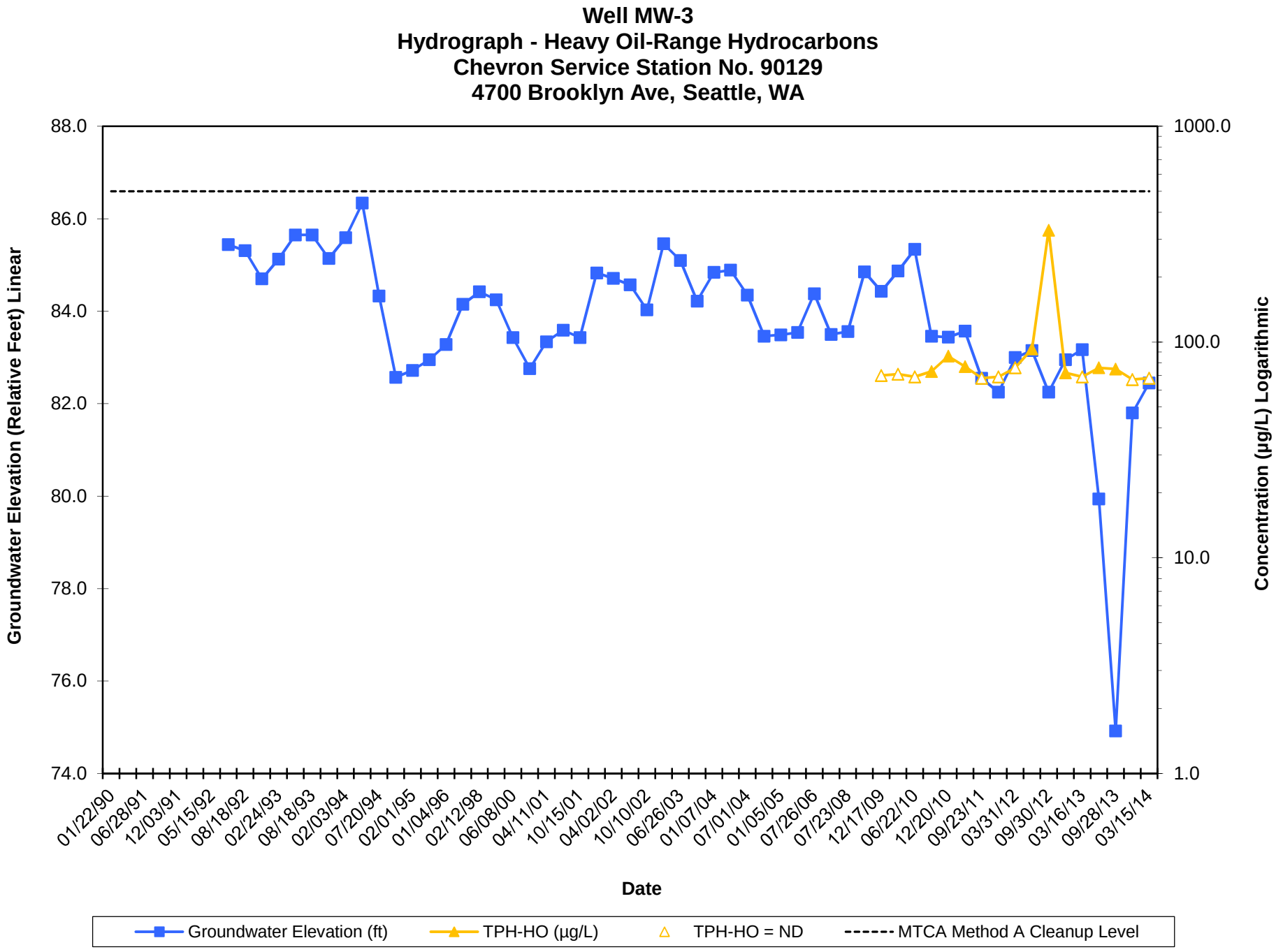
Attachment C:
Hydrographs

Well MW-3
Hydrograph - Gasoline-Range Hydrocarbons
Chevron Service Station No. 90129
4700 Brooklyn Ave, Seattle, WA

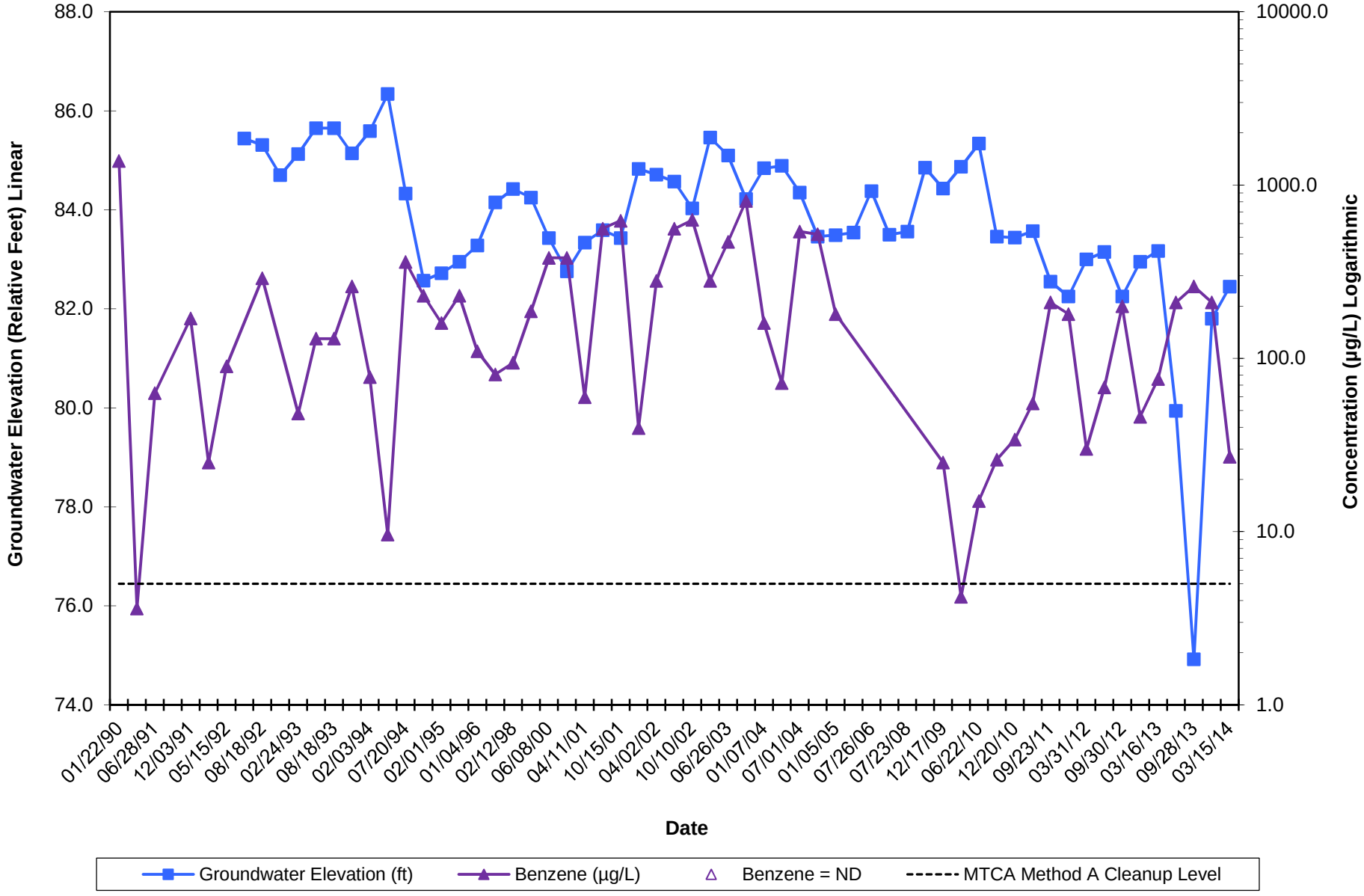


Well MW-3
Hydrograph - Diesel-Range Hydrocarbons
Chevron Service Station No. 90129
4700 Brooklyn Ave, Seattle, WA

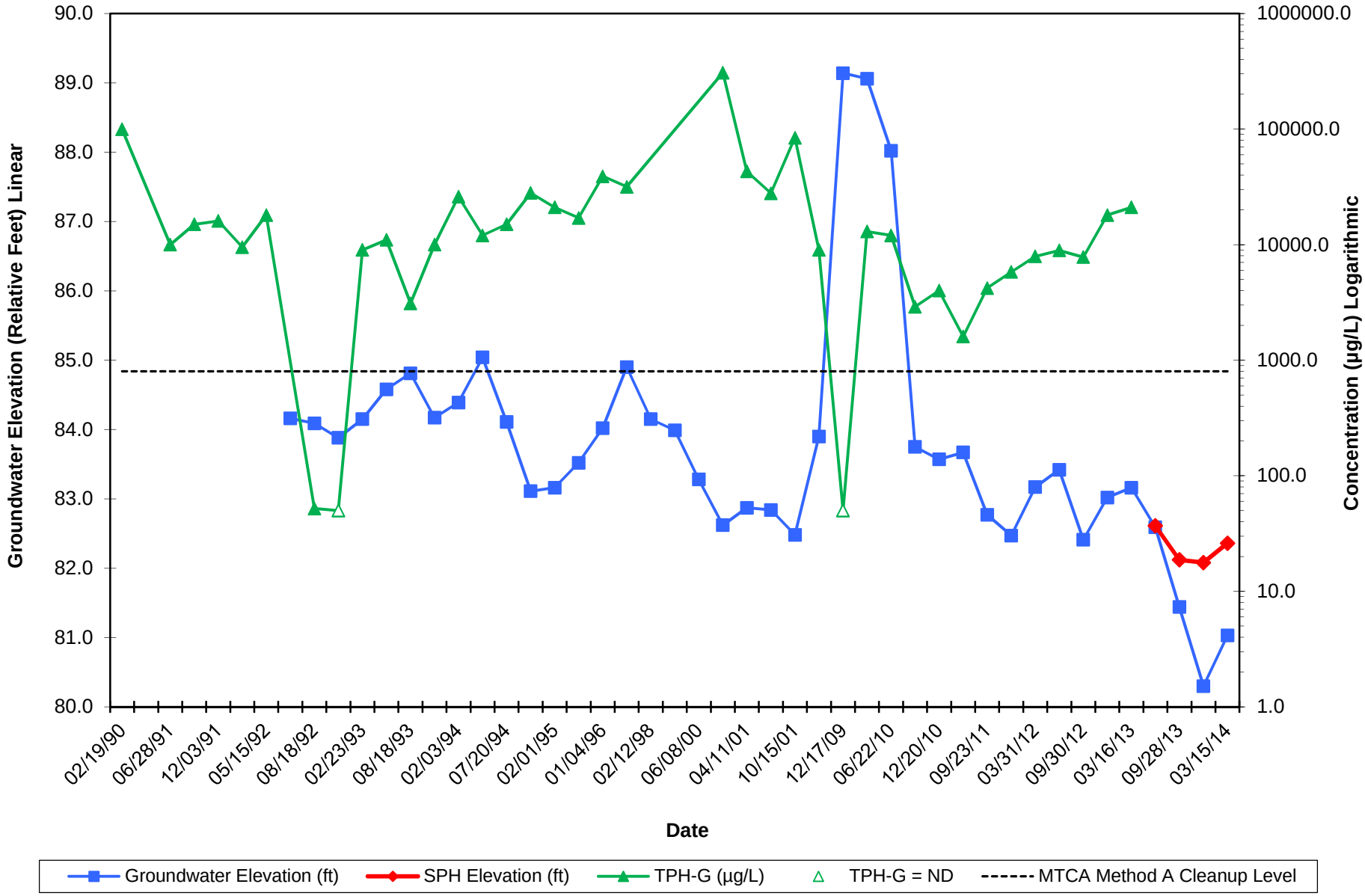



Well MW-3
Hydrograph - Heavy Oil-Range Hydrocarbons
Chevron Service Station No. 90129
4700 Brooklyn Ave, Seattle, WA
Groundwater Elevation (Relative Feet) Linear
Concentration (µg/L) Logarithmic
88.0
86.0
84.0
82.0
80.0
78.0
76.0
74.0
1000.0
100.0
10.0
1.0
01/22/90
06/28/91
12/03/91
05/15/92
08/18/92
02/24/93
08/18/93
02/03/94
07/20/94
02/01/95
01/04/96
02/12/98
06/08/00
04/11/01
10/15/01
04/02/02
10/10/02
06/26/03
01/07/04
07/01/04
01/05/05
07/26/06
07/23/08
12/17/09
06/22/10
12/20/10
09/23/11
03/31/12
09/30/12
03/16/13
09/28/13
03/15/14
Date
Groundwater Elevation (ft)
TPH-HO (µg/L)
TPH-HO = ND
MTCA Method A Cleanup Level

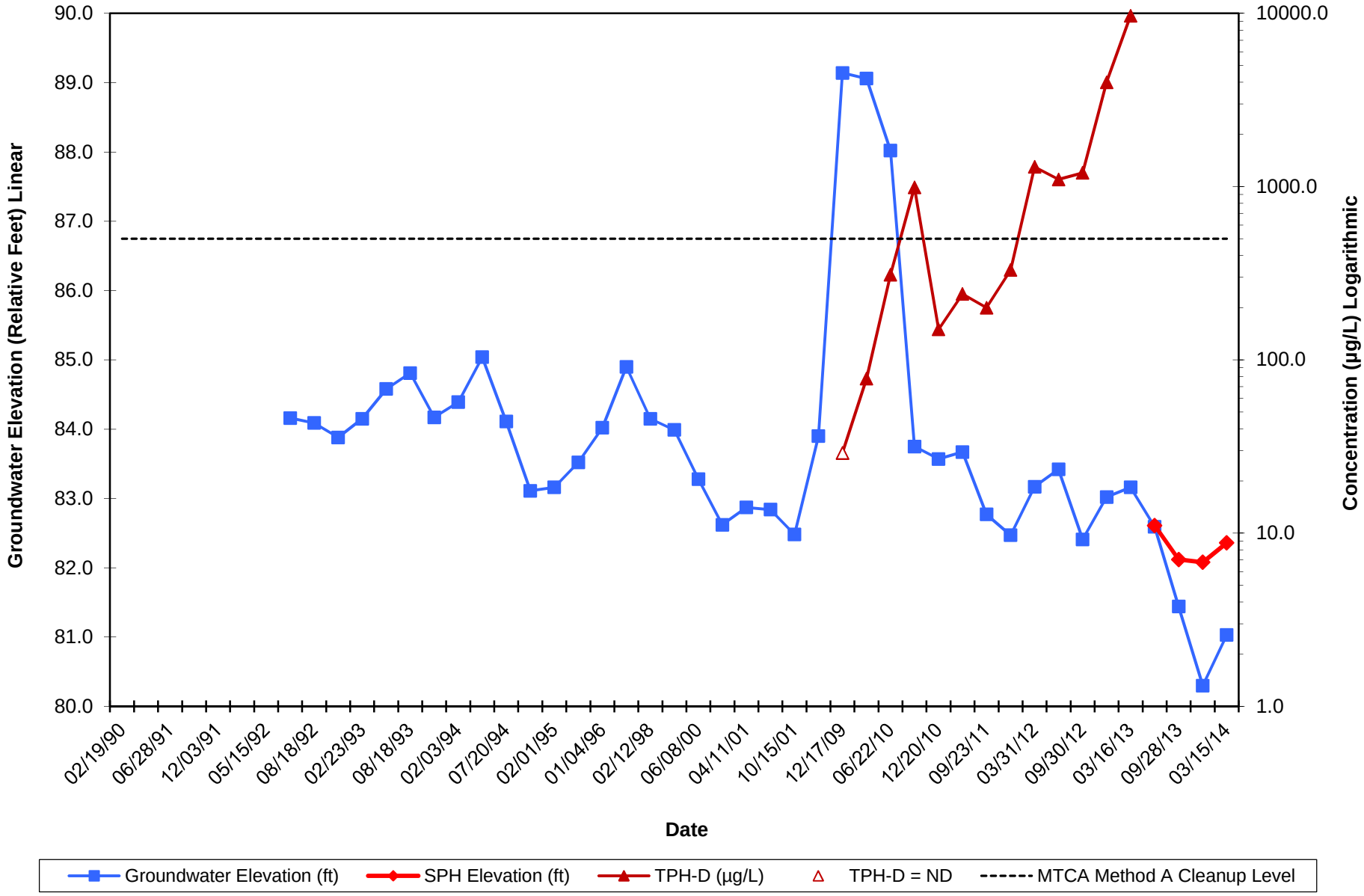
Well MW-3
Hydrograph - Benzene
Chevron Service Station No. 90129
4700 Brooklyn Ave, Seattle, WA

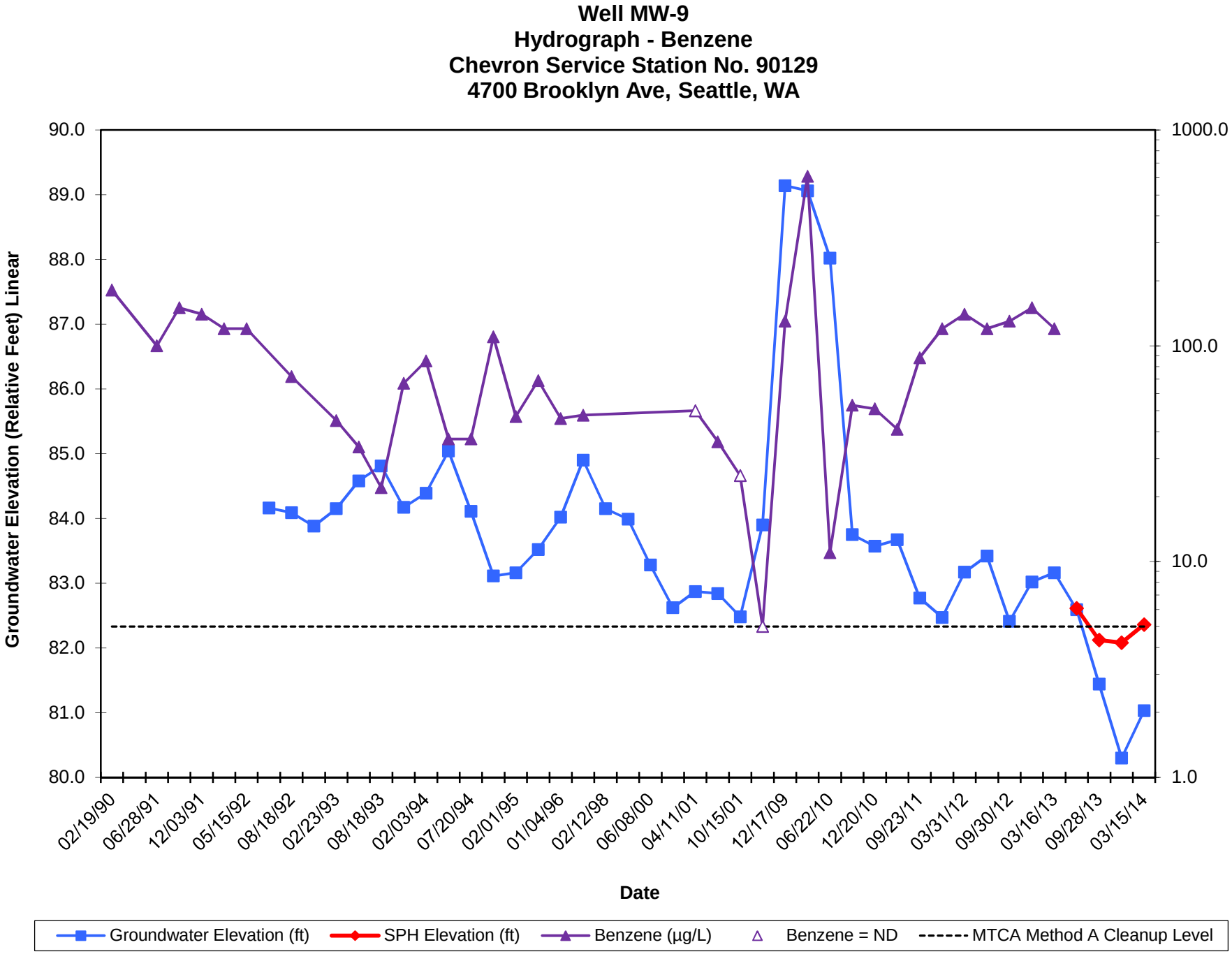


Well MW-9
Hydrograph - Gasoline-Range Hydrocarbons
Chevron Service Station No. 90129
4700 Brooklyn Ave, Seattle, WA

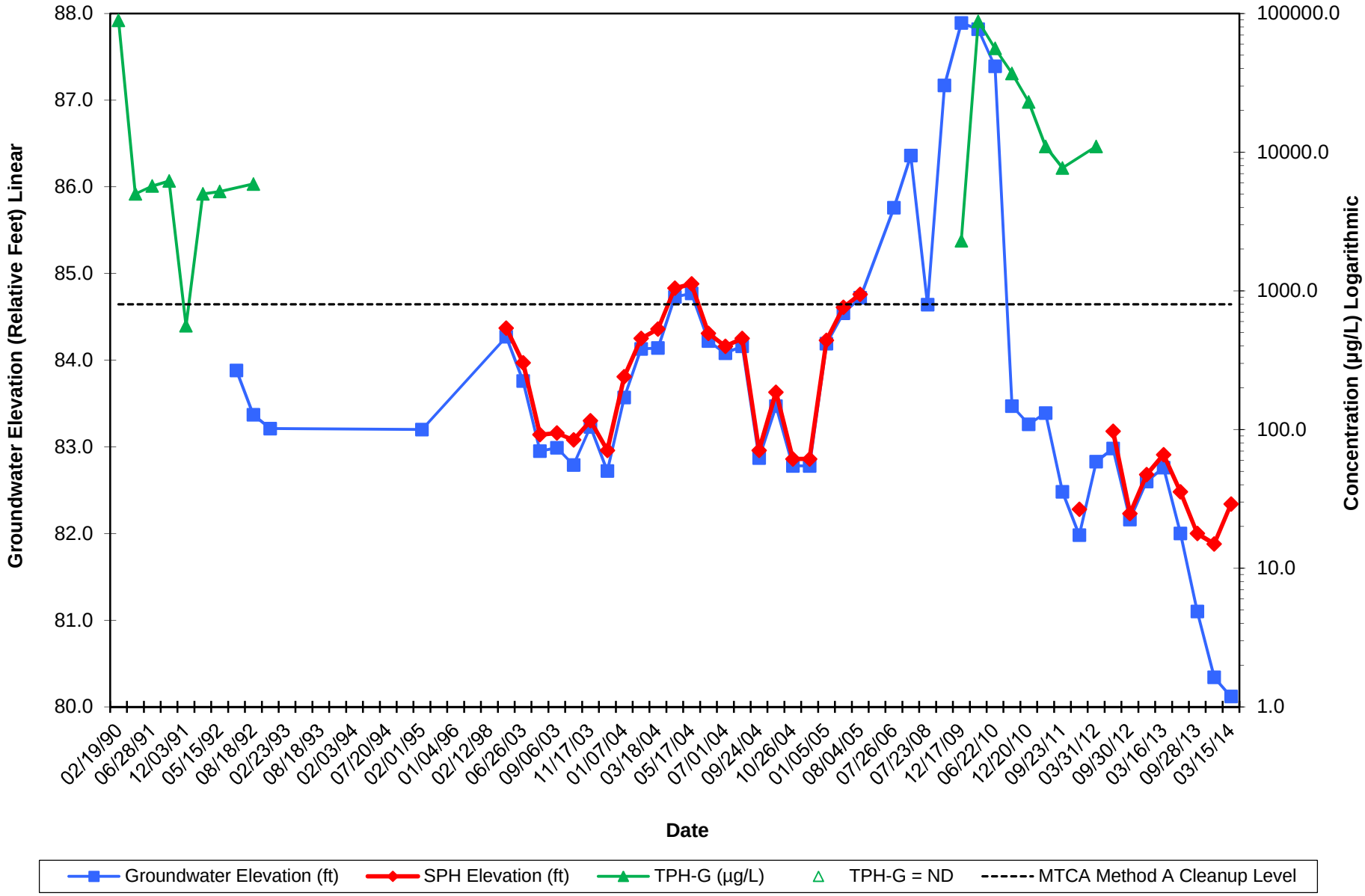


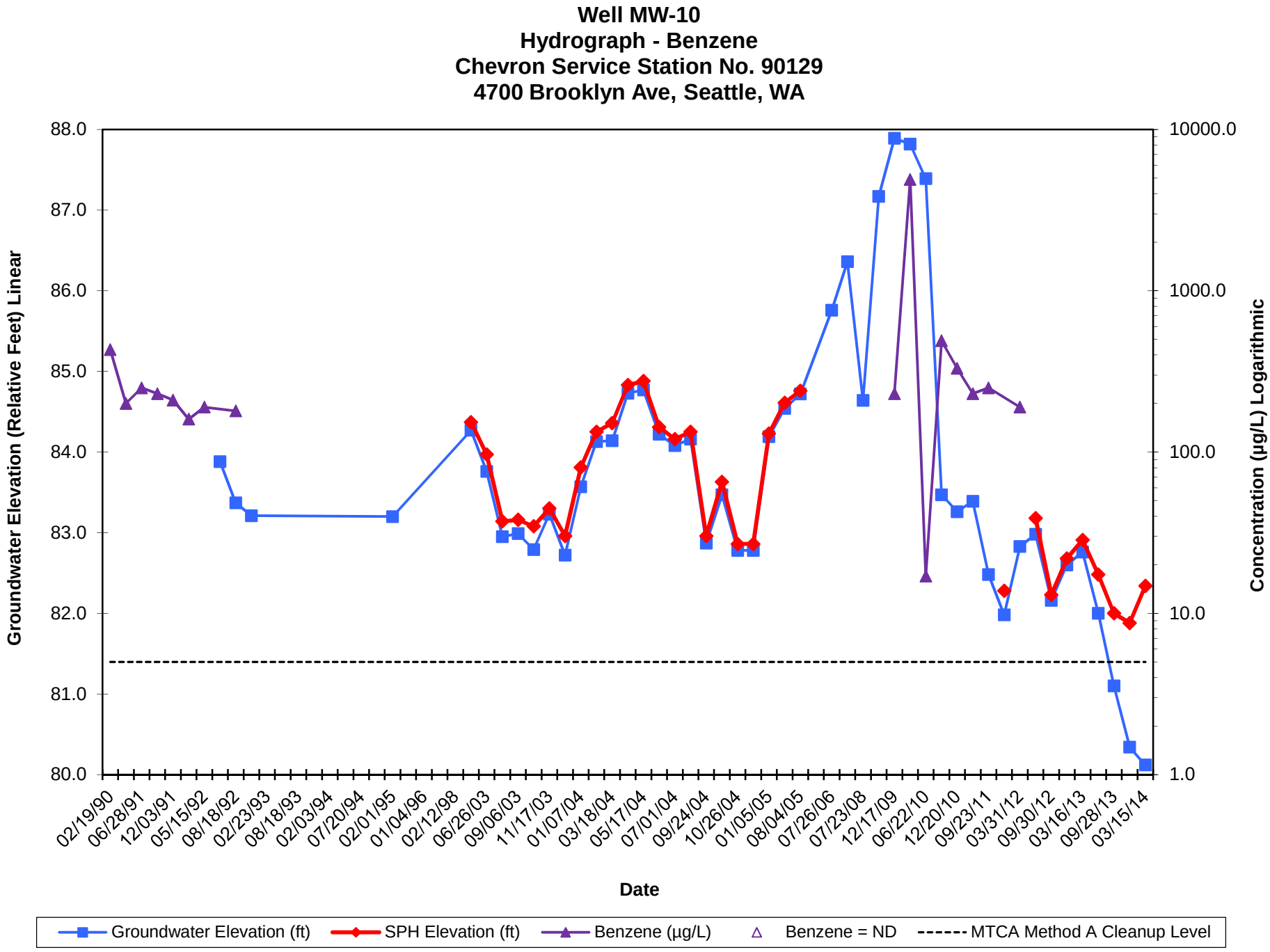
Well MW-9
Hydrograph - Diesel-Range Hydrocarbons
Chevron Service Station No. 90129
4700 Brooklyn Ave, Seattle, WA

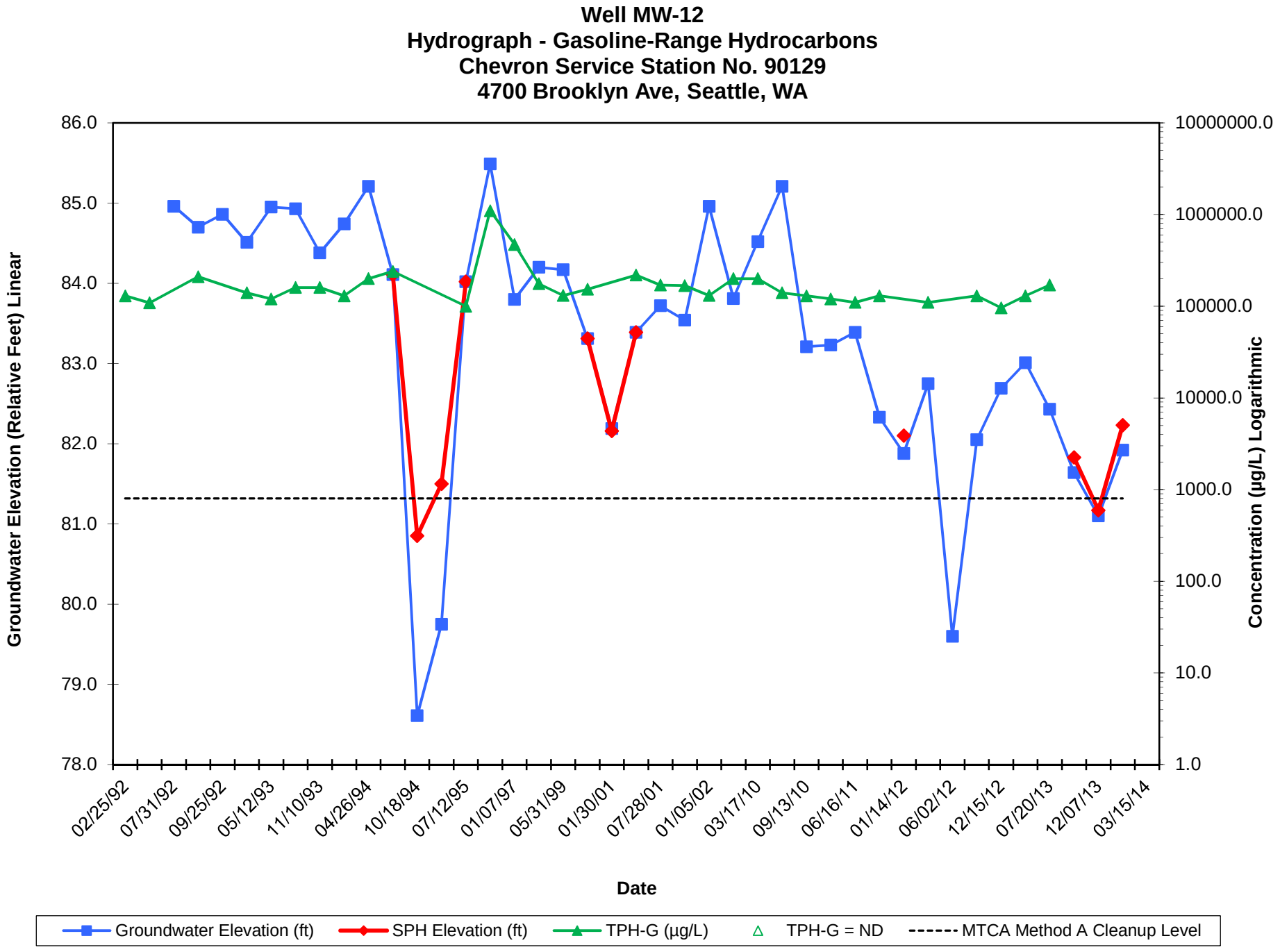



Well MW-9
Hydrograph - Benzene
Chevron Service Station No. 90129
4700 Brooklyn Ave, Seattle, WA
Groundwater Elevation (Relative Feet) Linear
Concentration (µg/L) Logarithmic
90.0
89.0
88.0
87.0
86.0
85.0
84.0
83.0
82.0
81.0
80.0
1000.0
100.0
10.0
1.0
02/19/90
06/28/91
12/03/91
05/15/92
08/18/92
02/23/93
08/18/93
02/03/94
07/20/94
02/01/95
01/04/96
02/12/98
06/08/00
04/11/01
10/15/01
12/17/09
06/22/10
12/20/10
09/23/11
03/31/12
09/30/12
03/16/13
09/28/13
03/15/14
Date
Groundwater Elevation (ft)
SPH Elevation (ft)
Benzene (µg/L)
Benzene = ND
MTCA Method A Cleanup Level

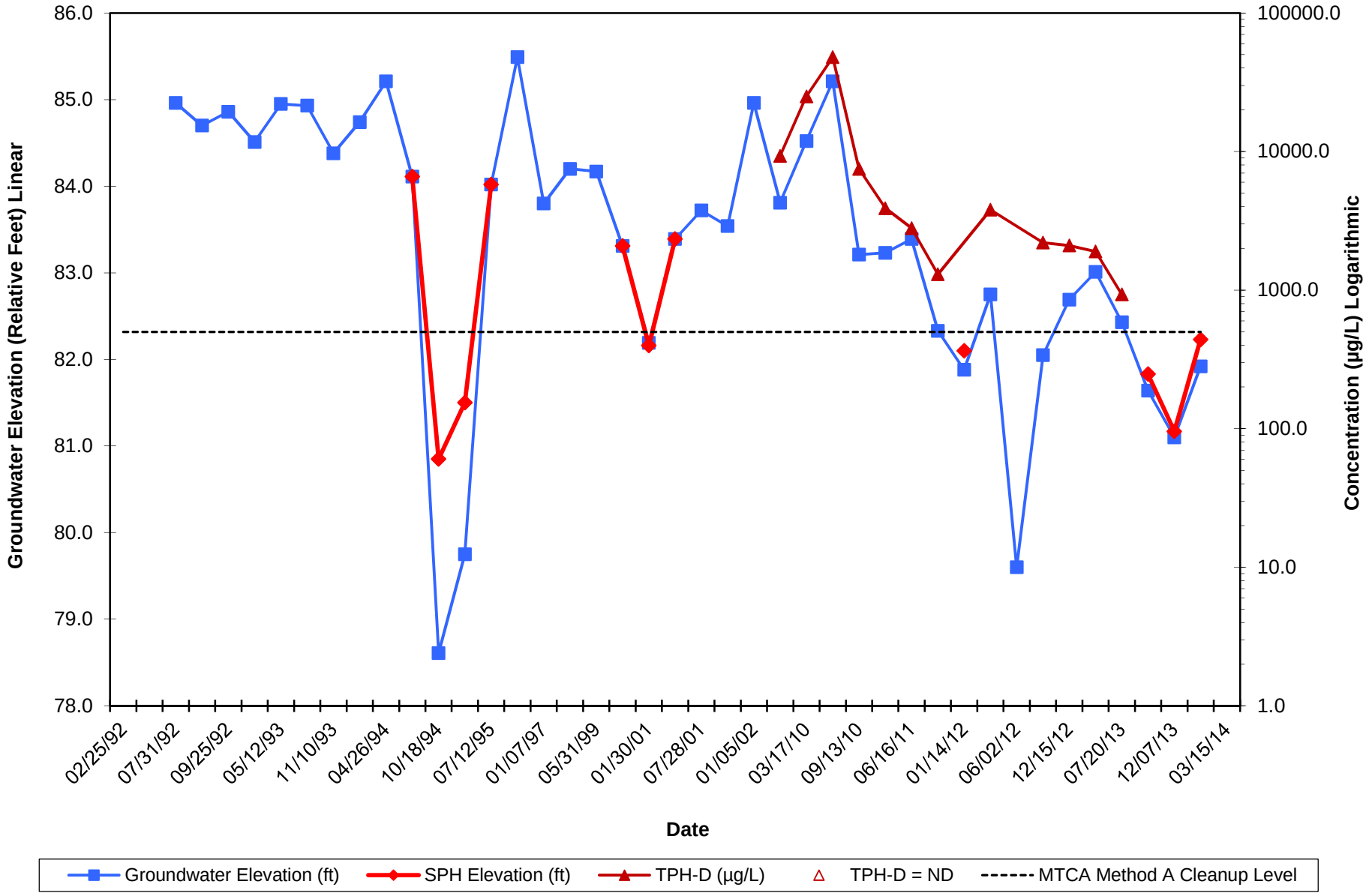
Well MW-10
Hydrograph - Gasoline-Range Hydrocarbons
Chevron Service Station No. 90129
4700 Brooklyn Ave, Seattle, WA



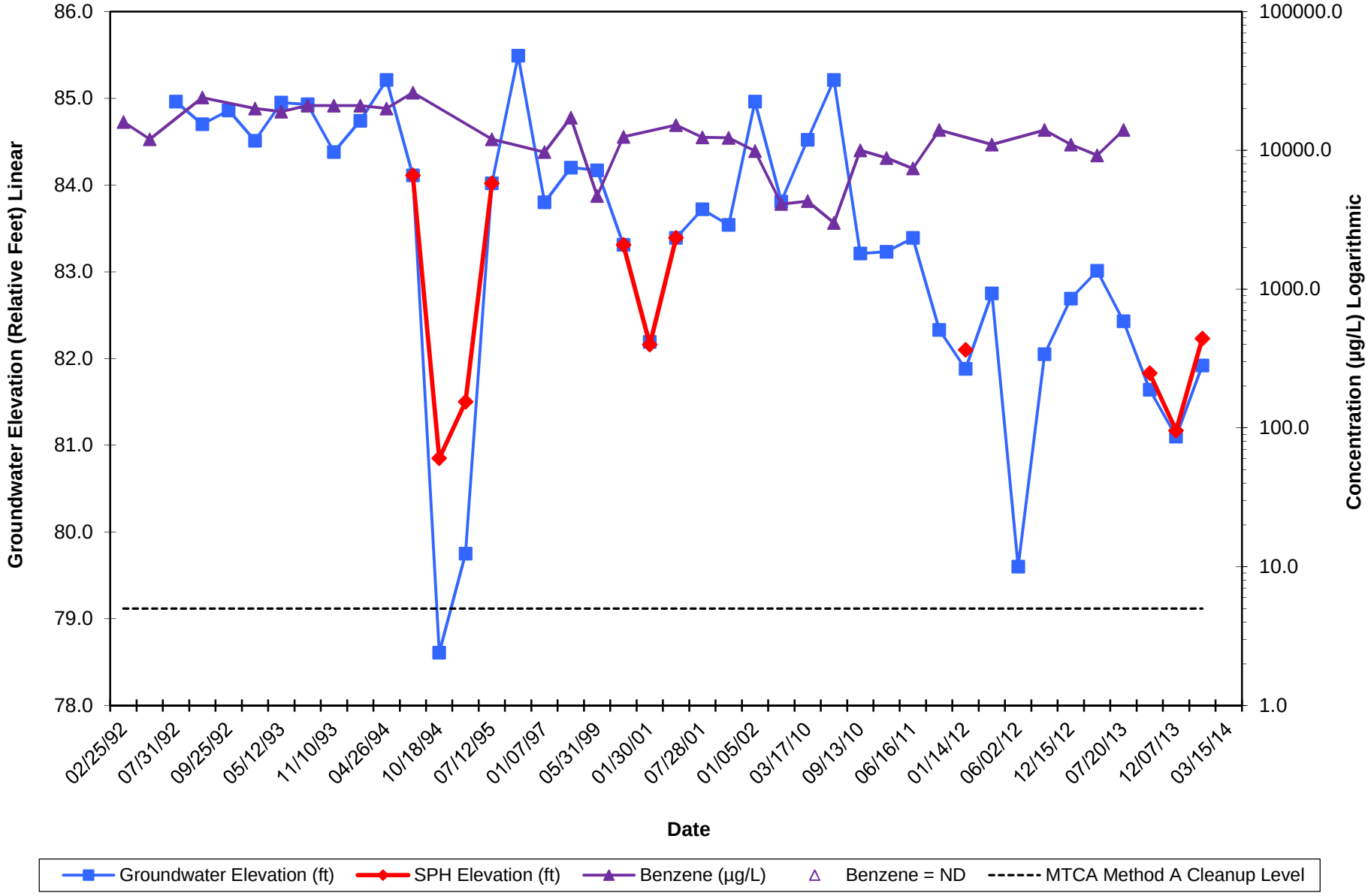

Well MW-10
Hydrograph - Benzene
Chevron Service Station No. 90129
4700 Brooklyn Ave, Seattle, WA
Groundwater Elevation (Relative Feet) Linear
Concentration (µg/L) Logarithmic
88.0
87.0
86.0
85.0
84.0
83.0
82.0
81.0
80.0
10000.0
1000.0
100.0
10.0
1.0
02/19/90
06/28/91
12/03/91
05/15/92
08/18/92
02/23/93
08/18/93
02/03/94
07/20/94
02/01/95
01/04/96
02/12/98
06/26/03
09/06/03
11/17/03
01/07/04
03/18/04
05/17/04
07/01/04
09/24/04
10/26/04
01/05/05
08/04/05
07/26/06
07/23/08
12/17/09
06/22/10
12/20/10
09/23/11
03/31/12
09/30/12
03/16/13
09/28/13
03/15/14
Date
Groundwater Elevation (ft)
SPH Elevation (ft)
Benzene (µg/L)
Benzene = ND
MTCA Method A Cleanup Level


Well MW-12
Hydrograph - Gasoline-Range Hydrocarbons
Chevron Service Station No. 90129
4700 Brooklyn Ave, Seattle, WA
Groundwater Elevation (Relative Feet) Linear
Concentration (µg/L) Logarithmic
86.0
85.0
84.0
83.0
82.0
81.0
80.0
79.0
78.0
10000000.0
1000000.0
100000.0
10000.0
1000.0
100.0
10.0
1.0
02/25/92
07/31/92
09/25/92
05/12/93
11/10/93
04/26/94
10/18/94
07/12/95
01/07/97
05/31/99
01/30/01
07/28/01
01/05/02
03/17/10
09/13/10
06/16/11
01/14/12
06/02/12
12/15/12
07/20/13
12/07/13
03/15/14
Date
Groundwater Elevation (ft)
SPH Elevation (ft)
TPH-G (µg/L)
TPH-G = ND
MTCA Method A Cleanup Level

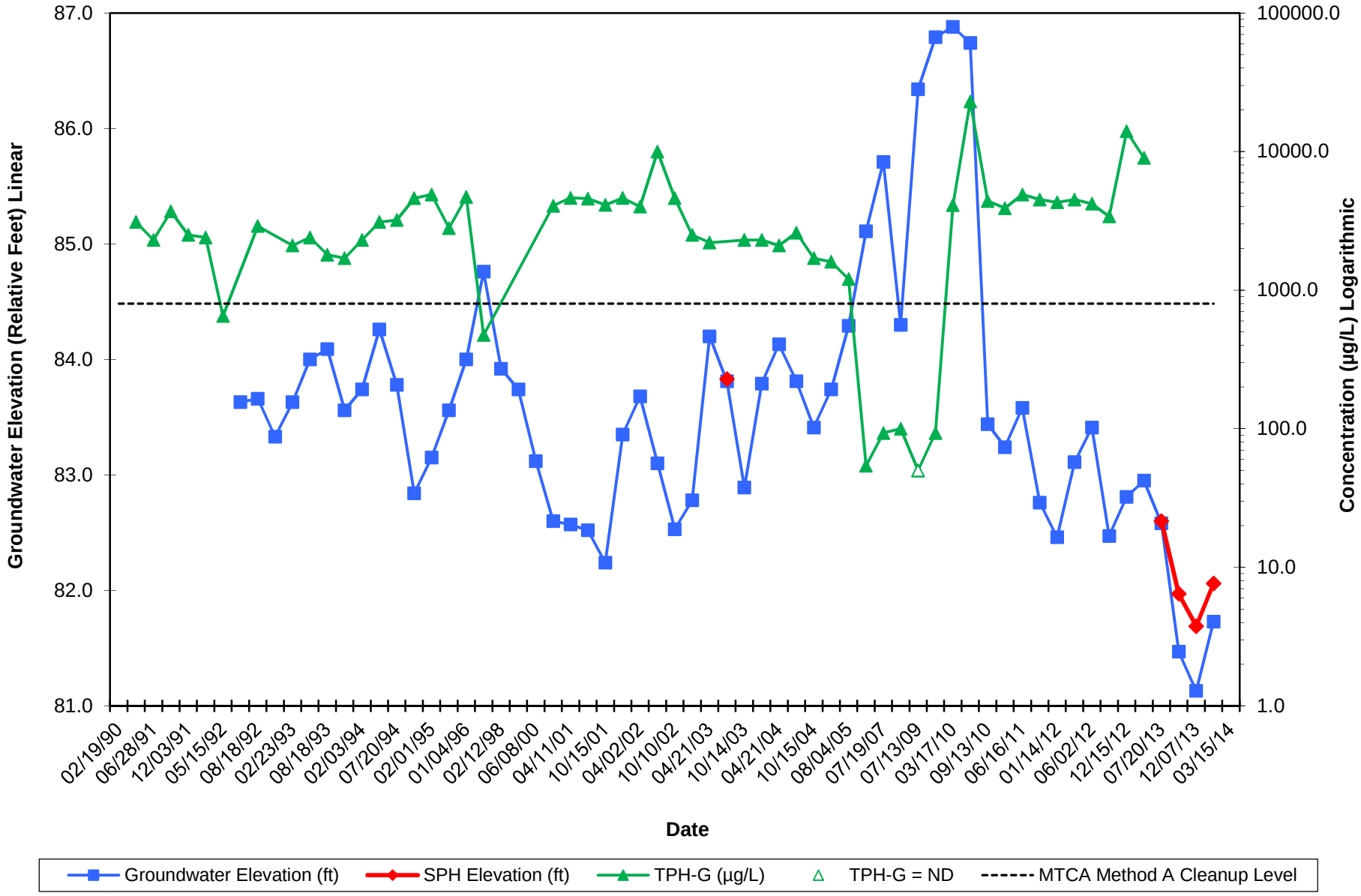
Well MW-12
Hydrograph - Diesel-Range Hydrocarbons
Chevron Service Station No. 90129
4700 Brooklyn Ave, Seattle, WA



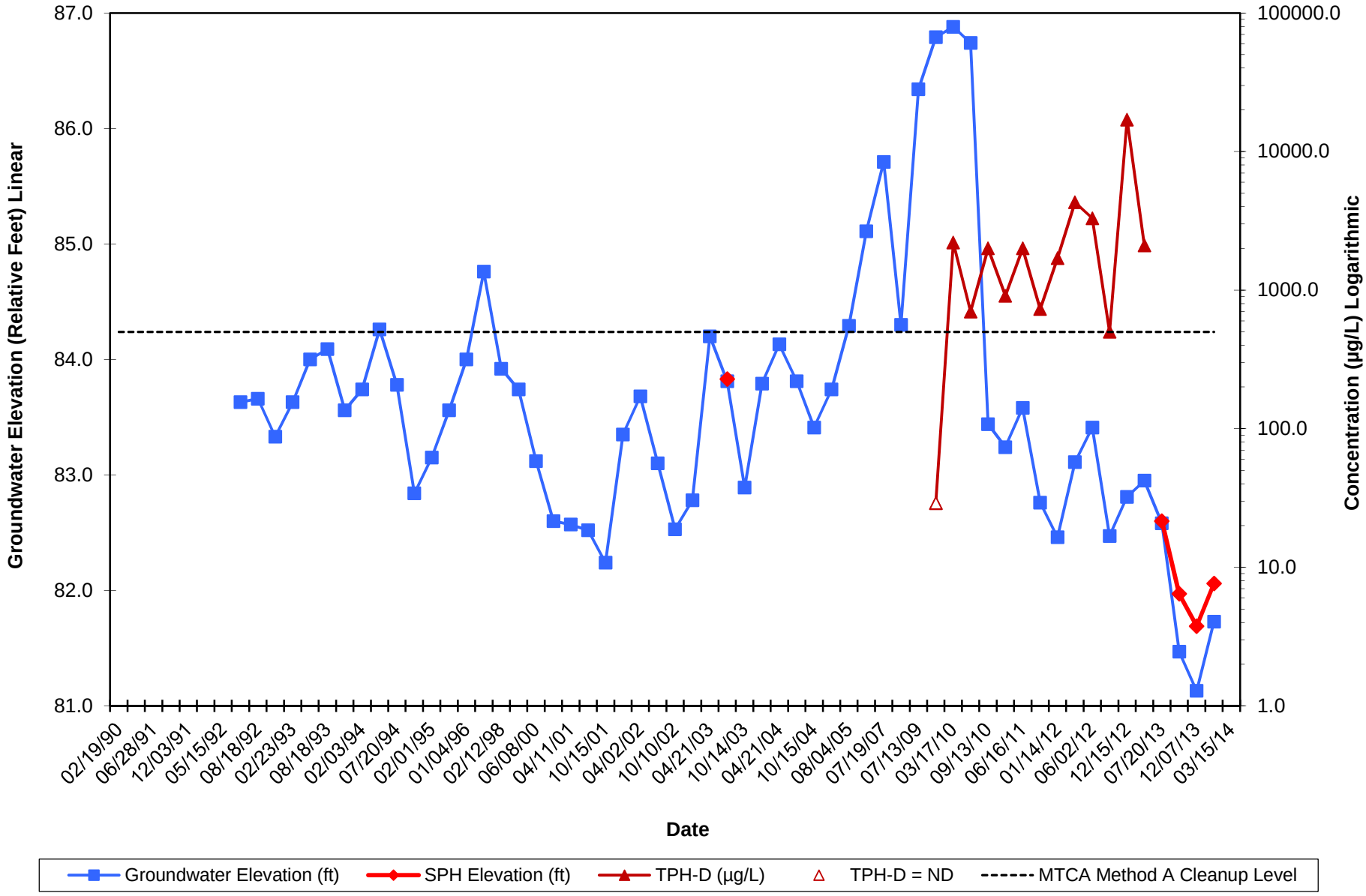
Well MW-12
Hydrograph - Benzene
Chevron Service Station No. 90129
4700 Brooklyn Ave, Seattle, WA



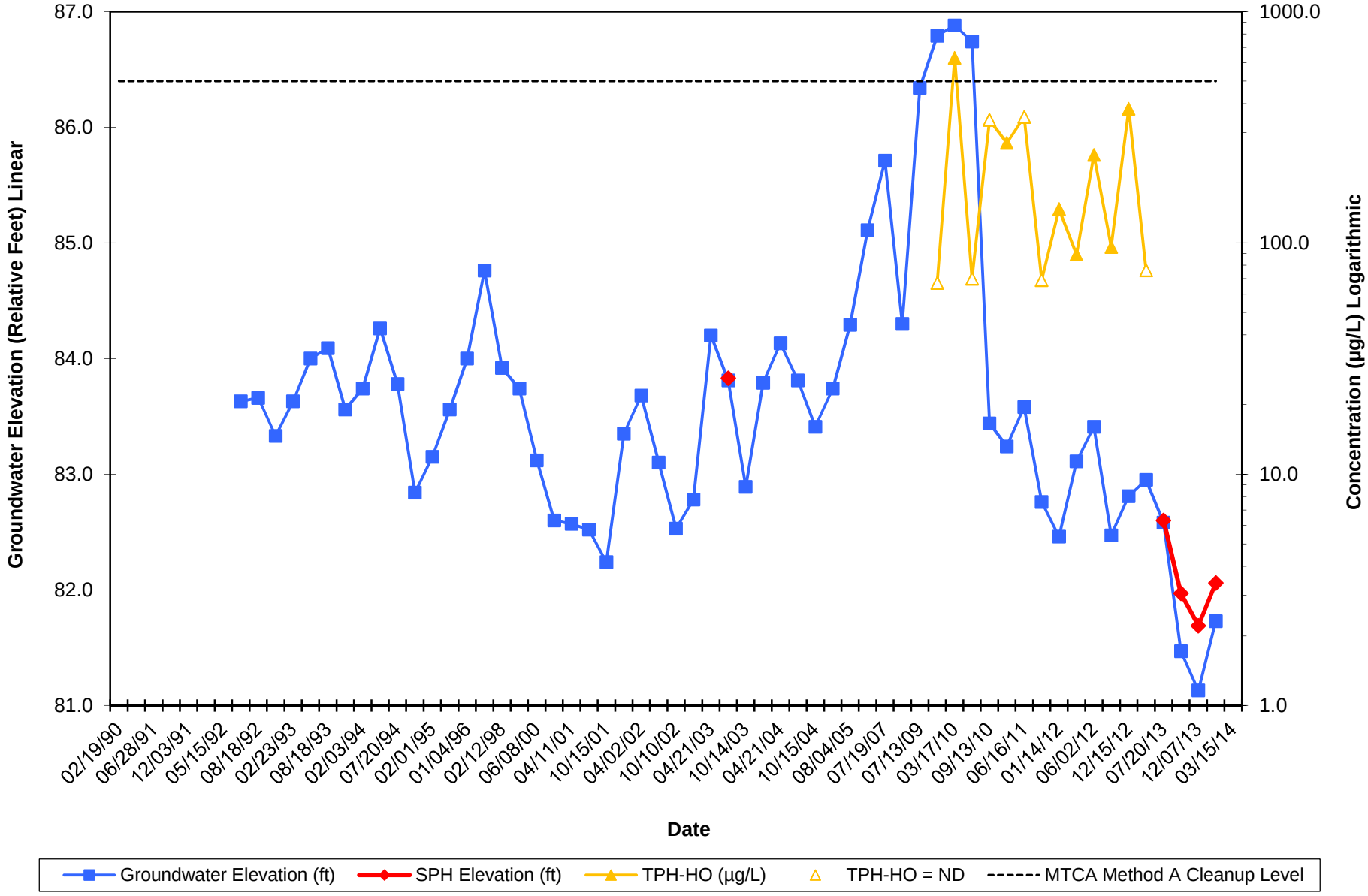
Well MW-13
Hydrograph - Gasoline-Range Hydrocarbons
Chevron Service Station No. 90129
4700 Brooklyn Ave, Seattle, WA



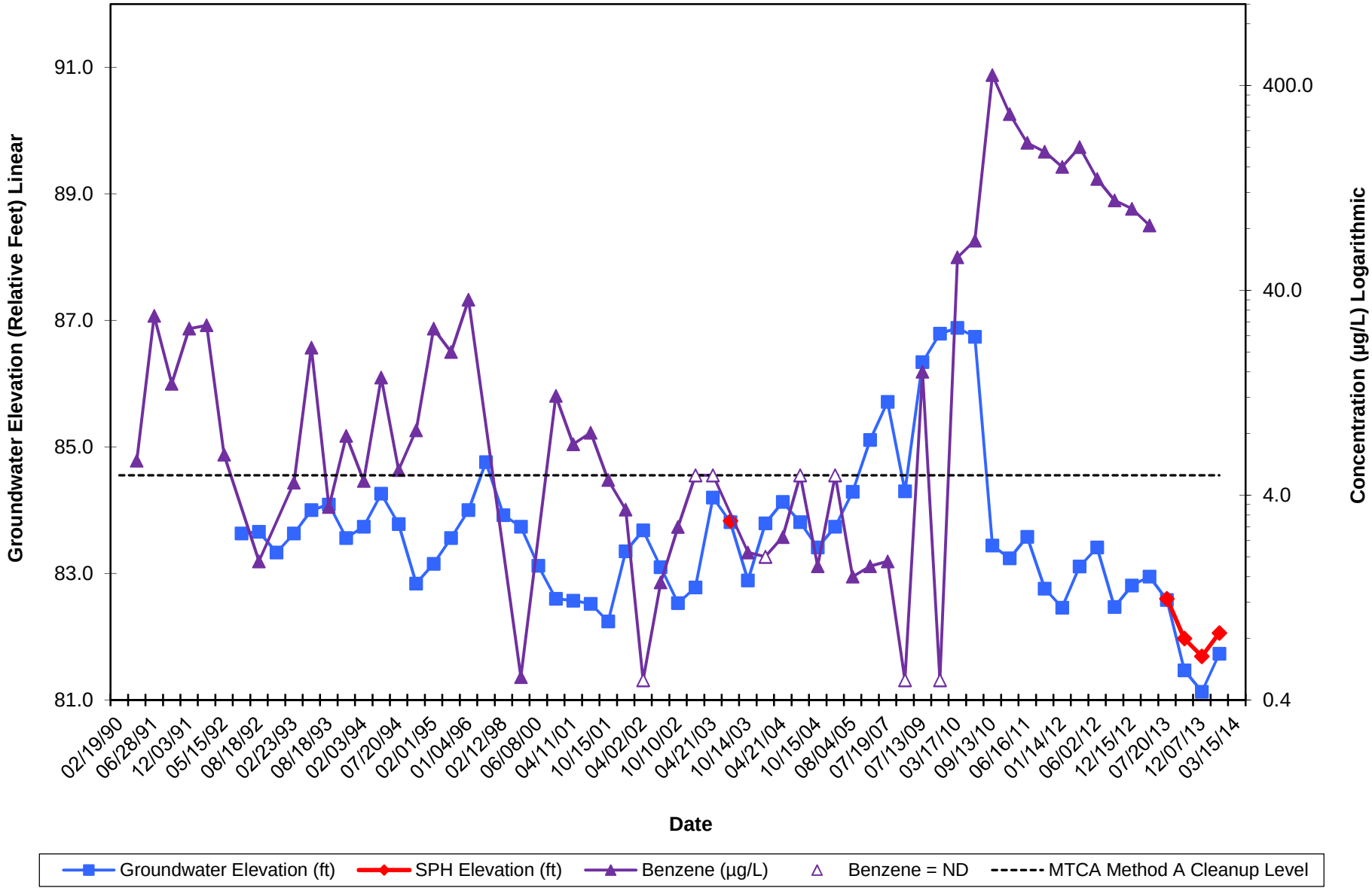
Well MW-13
Hydrograph - Diesel-Range Hydrocarbons
Chevron Service Station No. 90129
4700 Brooklyn Ave, Seattle, WA

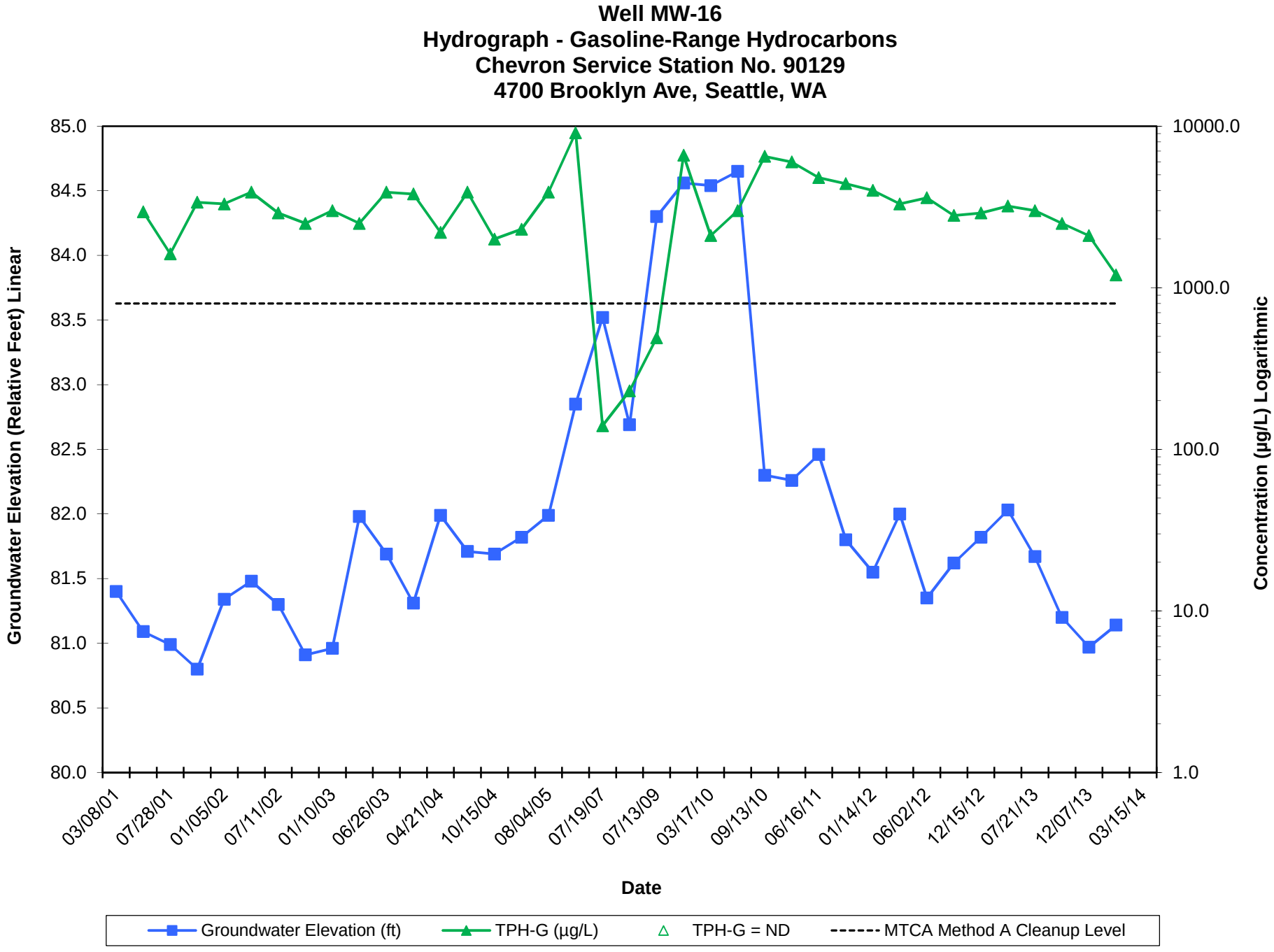


Well MW-13
Hydrograph - Heavy Oil-Range Hydrocarbons
Chevron Service Station No. 90129
4700 Brooklyn Ave, Seattle, WA

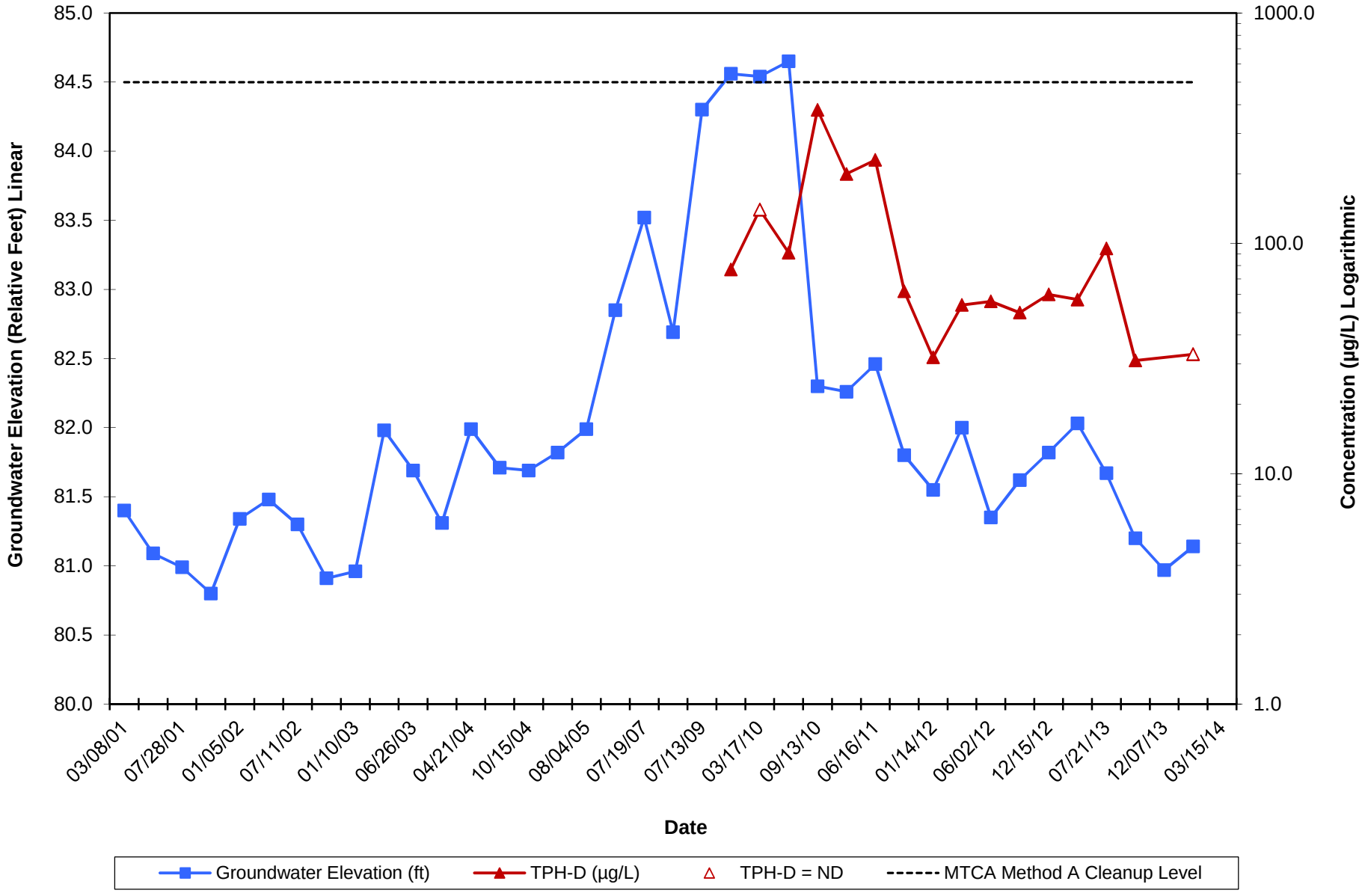


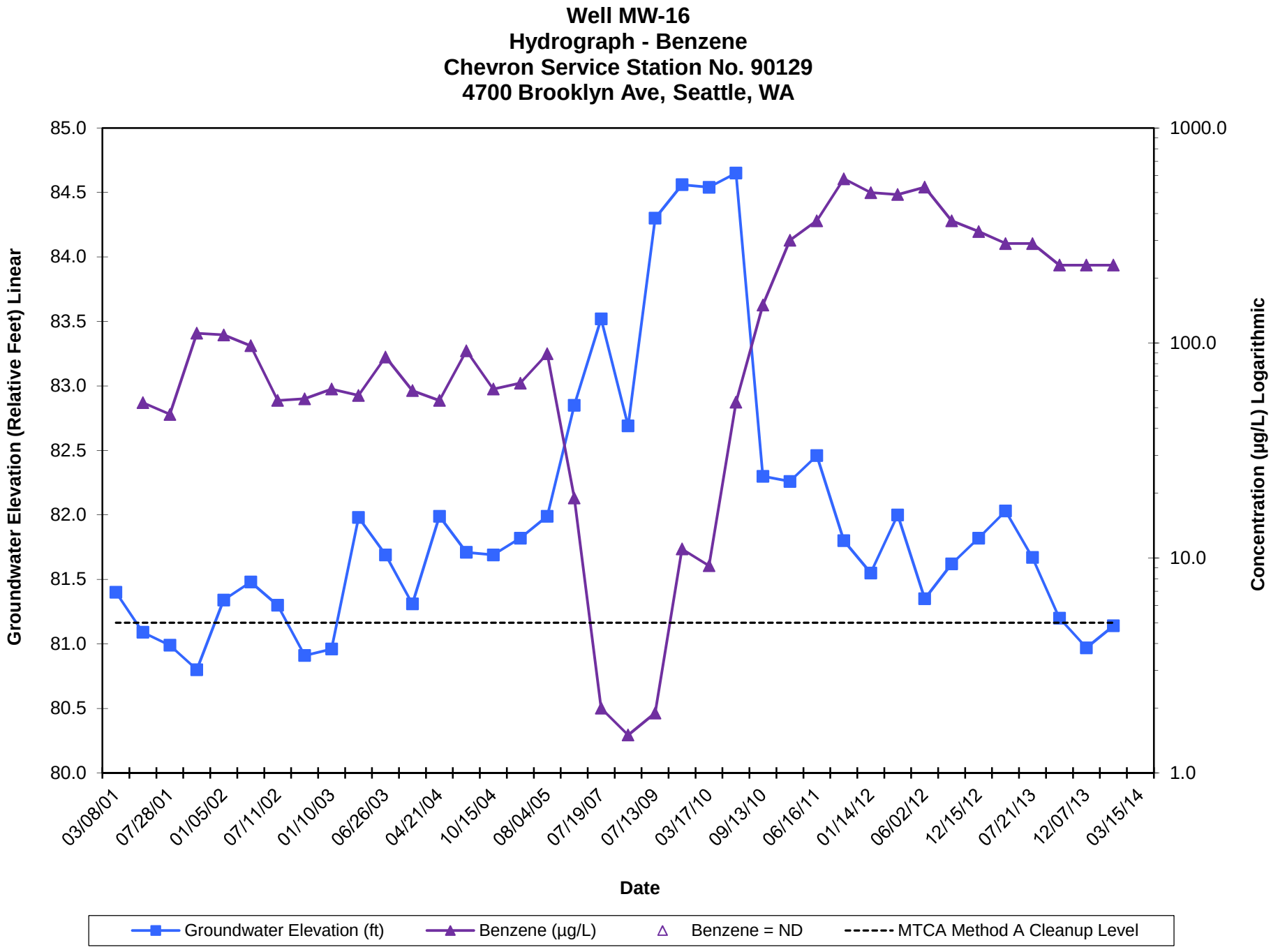
Well MW-13
Hydrograph - Benzene
Chevron Service Station No. 90129
4700 Brooklyn Ave, Seattle, WA




Well MW-16
Hydrograph - Gasoline-Range Hydrocarbons
Chevron Service Station No. 90129
4700 Brooklyn Ave, Seattle, WA
Groundwater Elevation (Relative Feet) Linear
Concentration (µg/L) Logarithmic
85.0
84.5
84.0
83.5
83.0
82.5
82.0
81.5
81.0
80.5
80.0
10000.0
1000.0
100.0
10.0
1.0
03/08/01
07/28/01
01/05/02
07/11/02
01/10/03
06/26/03
04/21/04
10/15/04
08/04/05
07/19/07
07/13/09
03/17/10
09/13/10
06/16/11
01/14/12
06/02/12
12/15/12
07/21/13
12/07/13
03/15/14
Date
Groundwater Elevation (ft)
TPH-G (µg/L)
TPH-G = ND
MTCA Method A Cleanup Level

Well MW-16
Hydrograph - Diesel-Range Hydrocarbons
Chevron Service Station No. 90129
4700 Brooklyn Ave, Seattle, WA




Well MW-16
Hydrograph - Benzene
Chevron Service Station No. 90129
4700 Brooklyn Ave, Seattle, WA
Groundwater Elevation (Relative Feet) Linear
Concentration (µg/L) Logarithmic
85.0
84.5
84.0
83.5
83.0
82.5
82.0
81.5
81.0
80.5
80.0
1000.0
100.0
10.0
1.0
03/08/01
07/28/01
01/05/02
07/11/02
01/10/03
06/26/03
04/21/04
10/15/04
08/04/05
07/19/07
07/13/09
03/17/10
09/13/10
06/16/11
01/14/12
06/02/12
12/15/12
07/21/13
12/07/13
03/15/14
Date
Groundwater Elevation (ft)
Benzene (µg/L)
Benzene = ND
MTCA Method A Cleanup Level