July 13, 2016

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Mr. Dale Myers
Washington State Department of Ecology
Toxics Cleanup Program, Northwest Region
3190 160th Avenue SE
Bellevue, Washington 98008-5452

Subject: **First Semi-annual 2016 Groundwater Monitoring and Sampling Report**
Chevron Service Station No. 97451
2626 Bellevue Way NE
Bellevue, Washington

Dear Mr. Myers:

Leidos Inc., on behalf of Chevron Environmental Management Company (CEMC), prepared this letter summarizing the first semiannual 2016 groundwater monitoring and sampling event at Chevron Service Station No. 97451 (the site) in Bellevue, Washington (Figure 1).

FIELD ACTIVITIES

Monitoring and sampling was conducted by Gettler-Ryan Inc. on April 20, 2016. They collected depth-to-groundwater measurements and checked for the presence of separate phase hydrocarbons (SPH) in five monitoring wells on site. SPH were not observed in any of the monitoring wells.

Groundwater samples were collected from four of the five monitoring wells and submitted to Eurofins Lancaster Laboratories, Inc. in Pennsylvania for the following analyses:

- Total petroleum hydrocarbons (TPH) as gasoline-range organics (TPH-GRO) by Washington State Department of Ecology (Ecology) Method NWTPH-Gx;
- TPH as diesel-range organics (TPH-DRO) and TPH as heavy oil-range organics (TPH-HRO) by Ecology Method NWTPH-Dx extended with silica-gel cleanup; and
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) and methyl tert-butyl ether (MTBE) by United States Environmental Protection Agency Method 8021B.

A laboratory-supplied trip blank (QA) was submitted to the laboratory and analyzed for TPH-GRO, BTEX, and MTBE to provide quality assurance. Field data sheets are

provided in the Gettler-Ryan groundwater monitoring and sampling data package (Attachment A).

FINDINGS

Historical groundwater elevation data, SPH thickness data, and laboratory analytical results are summarized in Tables 1 and 2. The laboratory analysis report is provided as Attachment B.

Monitoring well VE-2 had insufficient water for sample collection.

At the time of this event, groundwater elevations ranged from 85.76 feet in monitoring well MW-4 to 88.47 feet in monitoring well VE-2 based on an arbitrary benchmark elevation of 100 feet. Groundwater flows toward the northeast at a gradient of approximately 0.15 to 0.04 feet per foot (Figure 2). Groundwater elevations increased an average of 5.7 feet since the previous monitoring and sampling event performed in October 2015. Hydrographs for monitoring wells MW-2, MW-3, and MW-4 are provided as Attachment C.

Monitoring wells MW-2 and MW-3 detected hydrocarbon constituent concentrations exceeding their respective Model Toxics Control Act (MTCA) Method A cleanup levels. No other analytes tested for were detected at concentrations exceeding their respective MTCA Method A cleanup levels in the remaining monitoring wells.

If you have any questions or comments, please contact me at (425) 482-3328 or via email at ottemanr@leidos.com.

Sincerely,

Leidos Inc.

Ruth Otteman
Project Manager

Stuart Brown
Environmental Scientist

Enclosures:
Figure 1 – Vicinity Map
Figure 2 – Groundwater Elevation Map
Table 1 – Groundwater Monitoring Data and Analytical Results
Table 2 – Separate Phase Hydrocarbon Thickness/Removal Data
Attachment A – Groundwater Monitoring and Sampling Data Package
Attachment B – Laboratory Analysis Report
Attachment C – Hydrographs

cc: Mr. Mark Horne – Chevron Environmental Management Company
6001 Bollinger Canyon Road, San Ramon, California 94583-5186

Project File

REPORT LIMITATIONS

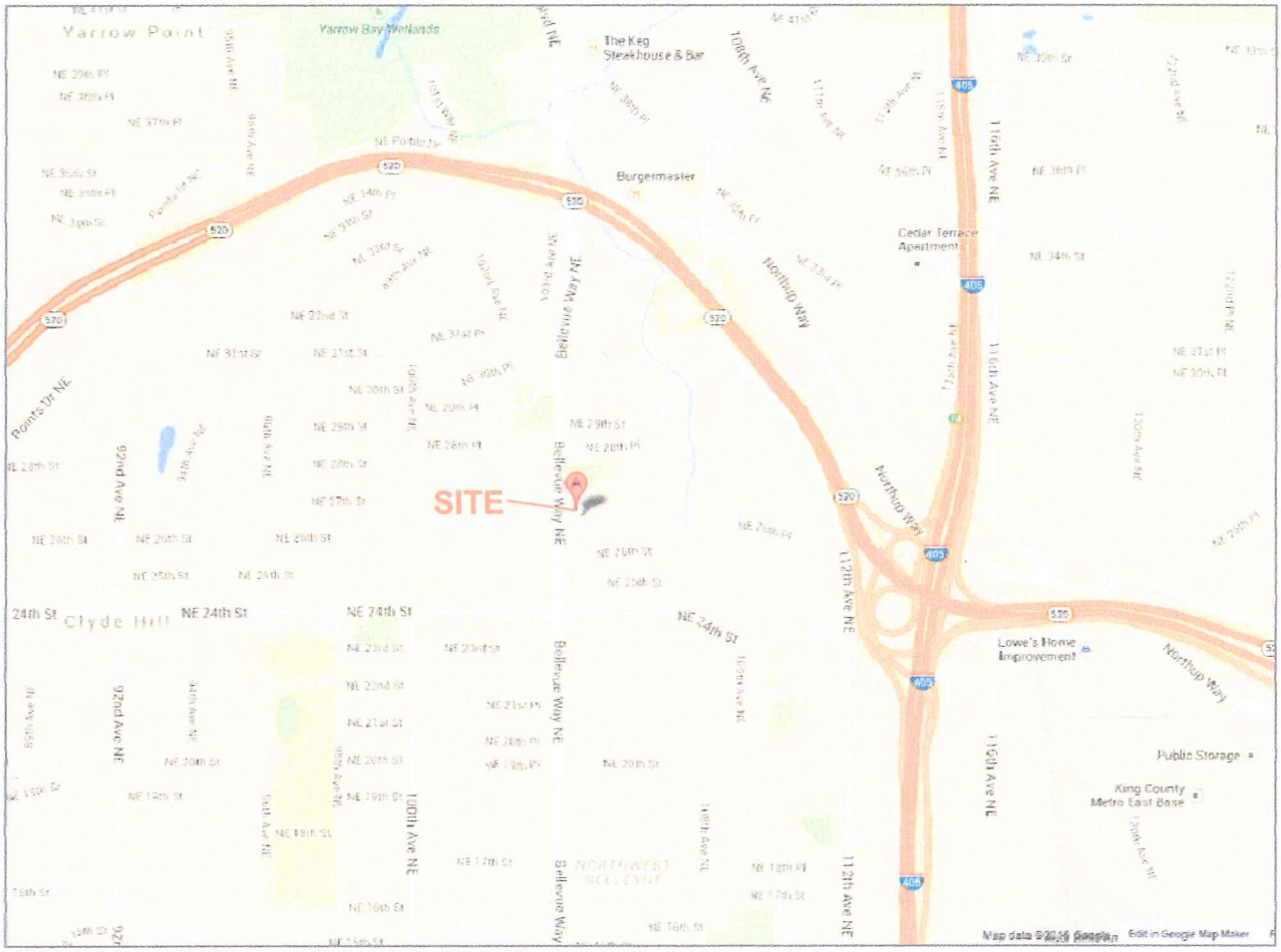
This technical document was prepared on behalf of CEMC and is intended for its sole use and for use by the local, state or federal regulatory agency that the technical document was sent to by Leidos. Any other person or entity obtaining, using, or relying on this technical document hereby acknowledges 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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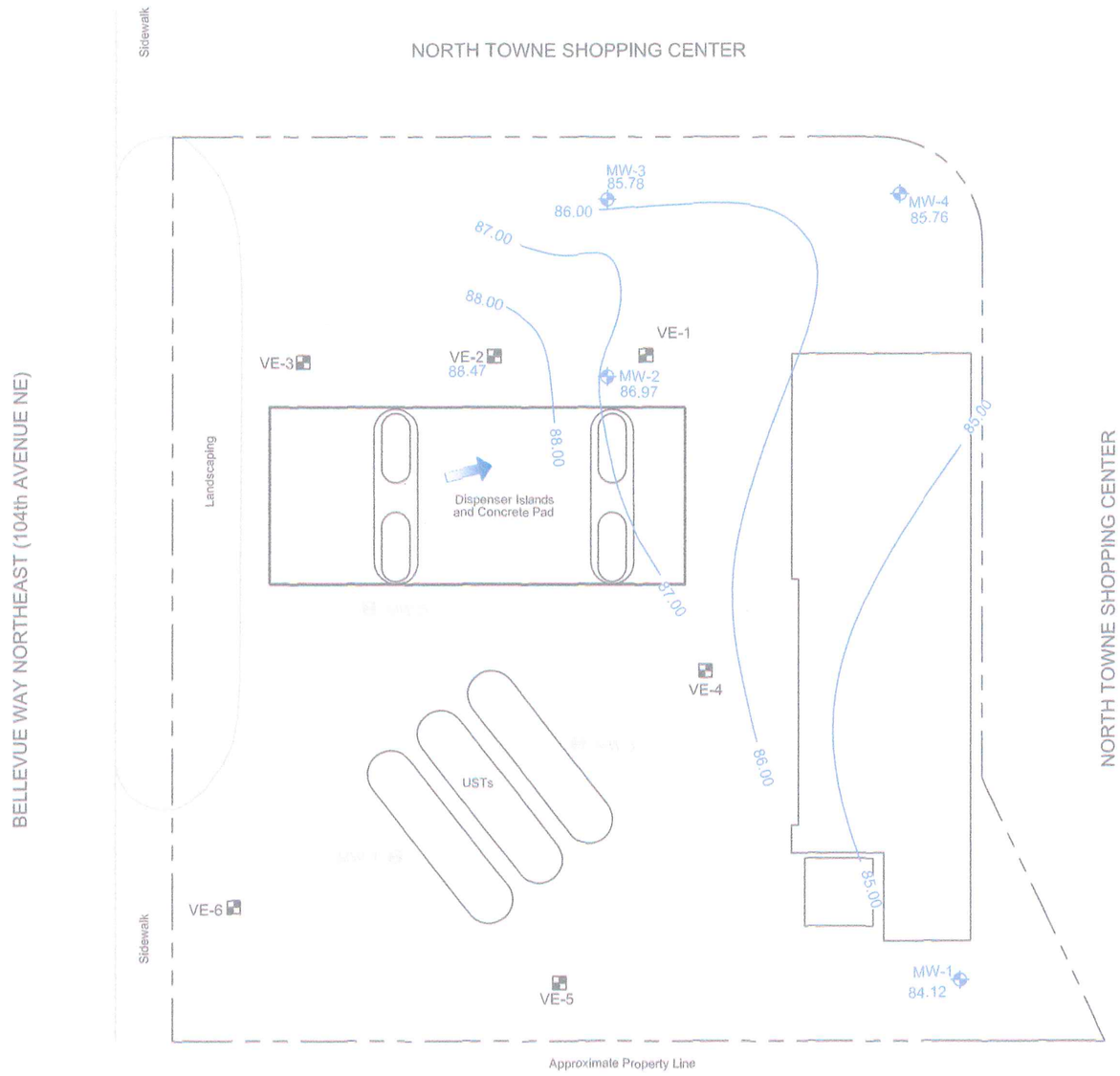
Chevron Service Station No. 97451
2626 Bellevue Way NE
Bellevue, Washington

FIGURE 1
Vicinity Map

DATE: 3/16/2015 | DRAWING: 9-7451 Vicinity Map.dwg



LEGEND:

MW-1	GROUNDWATER MONITORING WELL
~~MW-1~~	ABANDONED GROUNDWATER MONITORING WELL
VE-2	VAPOR EXTRACTION WELL
86.12	GROUNDWATER ELEVATION IN FEET
88.00	GROUNDWATER ELEVATION CONTOUR AT A 1-FOOT INTERVAL (DASHED WHERE INFERRED)
	APPROXIMATE GROUNDWATER FLOW DIRECTION AT A GRADIENT OF 0.15 FEET PER FOOT
USTs	UNDERGROUND STORAGE TANKS
NM	NOT MONITORED

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Chevron Service Station No. 97451
2626 Bellevue Way NE
Bellevue, Washington

FIGURE 2
Potentiometric Map
(April 20, 2016)

DATE: 3/24/2015 | DRAWING: 9-7451_SiteMap.dwg

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]

CHEVRON SERVICE STATION NO. 97451

2626 Bellevue Way Northeast, Bellevue, Washington

Concentrations reported in µg/L

Well ID/ Date	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	T. Lead	D. Lead
MW-1															
3/29/91	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	--
8/22/91	97.15	--	11.92	--	85.23	--	--	--	--	--	--	--	--	--	--
12/3/91	97.15	--	13.07	--	84.08	--	--	ND	ND	ND	ND	ND	--	--	--
6/22/92	97.15	--	11.15	--	86.00	--	--	ND	ND	ND	ND	ND	--	--	ND
6/21/93	97.15	--	10.85	--	86.30	--	--	ND	ND	ND	ND	ND	--	7.9	--
12/9/93	97.15	--	13.57	--	83.58	--	--	ND	ND	ND	ND	ND	--	3.6	--
6/15/94	97.15	--	10.84	--	86.31	--	--	ND	ND	ND	ND	ND	--	--	6.7
12/12/94	97.15	--	13.30	--	83.85	--	--	ND	ND	ND	ND	ND	--	--	ND
6/9/95	97.15	--	9.50	--	87.65	--	--	ND	ND	ND	ND	ND	--	3.3	--
12/29/95	97.15	--	8.00	--	89.15	--	--	ND	0.84	1.8	ND	1.9	--	--	--
6/4/96	97.15	--	10.40	--	86.75	--	--	--	--	--	--	--	--	--	--
3/20-21/00	97.15	--	9.81	0.00	87.34	--	--	--	--	--	--	--	--	--	--
12/6/00	97.15	--	13.62	0.00	83.53	--	--	--	--	--	--	--	--	--	--
3/21/01	97.15	--	13.26	0.00	83.89	--	--	--	--	--	--	--	--	--	--
6/14/01	97.15	--	11.96	0.00	85.19	--	--	--	--	--	--	--	--	--	--
9/19/01	97.15	--	13.38	0.00	83.77	--	--	--	--	--	--	--	--	--	--
12/5/01	97.15	--	12.84	0.00	84.31	--	--	--	--	--	--	--	--	--	--
3/7/02	97.15	--	10.13	0.00	87.02	--	--	--	--	--	--	--	--	--	--
6/14/02	97.15	--	10.29	0.00	86.86	--	--	--	--	--	--	--	--	--	--
10/1/02	97.15	--	12.09	0.00	85.06	--	--	--	--	--	--	--	--	--	--
12/18/02	97.15	--	13.91	0.00	83.24	--	--	--	--	--	--	--	--	--	--
3/1/03	97.15	--	12.88	0.00	84.27	--	--	--	--	--	--	--	--	--	--
6/12/03	97.15	--	10.92	0.00	86.23	--	--	--	--	--	--	--	--	--	--
8/29/03	97.15	--	12.54	0.00	84.61	--	--	--	--	--	--	--	--	--	--
12/10/03	97.15	--	14.34	0.00	82.81	--	--	--	--	--	--	--	--	--	--
3/16/04	97.15	--	12.63	0.00	84.52	--	--	--	--	--	--	--	--	--	--
6/14/04	97.15	--	12.58	0.00	84.57	--	--	--	--	--	--	--	--	--	--
9/4/04	97.15	--	12.97	0.00	84.18	--	--	--	--	--	--	--	--	--	--
12/6/04	97.15	--	12.83	0.00	84.32	--	--	--	--	--	--	--	--	--	--
3/4/05	97.15	--	13.48	0.00	83.67	--	--	--	--	--	--	--	--	--	--
7/6/05	97.15	--	12.55	0.00	84.60	--	--	--	--	--	--	--	--	--	--
8/29/05	97.15	--	13.22	0.00	83.93	--	--	--	--	--	--	--	--	--	--
12/3/05	97.15	--	14.56	0.00	82.59	--	--	--	--	--	--	--	--	--	--

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TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
CHEVRON SERVICE STATION NO. 97451
2626 Bellevue Way Northeast, Bellevue, Washington
Concentrations reported in µg/L

Well ID/ Date	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	T. Lead	D. Lead
MW-1 (cont)															
9/6/06 NP	97.15	--	12.43	0.00	84.72	<80	<100	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
2/6/07 NP	97.15	--	10.85	0.00	86.30	--	--	140	<0.5	<0.5	<0.5	8.3	<2.5	--	--
8/27/07 NP	97.15	--	12.28	0.00	84.87	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
12/3/07	97.15	--	MONITORED/SAMPLED SEMIANNUALLY					--	--	--	--	--	--	--	--
2/23/08 NP	97.15	--	12.25	0.00	84.90	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
9/2/08 NP	97.15	--	13.58	0.00	83.57	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
12/1/08	97.15	--	MONITORED/SAMPLED SEMIANNUALLY					--	--	--	--	--	--	--	--
9/8/09 NP	97.15	--	13.25	0.00	83.90	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
3/19/10 NP	97.15	--	10.90	0.00	86.25	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
5/27/10	97.15	--	MONITORED/SAMPLED SEMIANNUALLY					--	--	--	--	--	--	--	--
9/30/10	97.15	--	12.03	0.00	85.12	<29	130	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
3/8/11	97.15	--	8.67	0.00	88.48	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
9/2/11	97.15	--	11.50	0.00	85.65	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
3/13/12	97.15	--	10.70	0.00	86.45	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
6/8/12	97.15	--	MONITORED/SAMPLED SEMIANNUALLY					--	--	--	--	--	--	--	--
9/20/12	97.15	--	11.83	0.00	85.32	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
3/8/13	97.15	--	9.46	0.00	87.69	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
6/7/13	97.15	--	9.90	0.00	87.25	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
9/7/13	97.15	--	12.12	0.00	85.03	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
12/12/13	97.15	--	13.56	0.00	83.59	<32	<74	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
3/27/14	97.15	--	11.00	0.00	86.15	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
6/24/14	97.15	--	10.18	0.00	86.97	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
9/29/14	97.15	--	13.76	0.00	83.39	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
12/12/14	97.15	--	13.53	0.00	83.62	<28	<66	<50	<0.5	<0.5	0.6	3.4	<2.5	--	--
3/13/15	97.15	--	11.01	0.00	86.14	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/21/15	97.15	--	15.29	0.00	81.86	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
4/20/16	97.15	--	9.57	0.00	87.58	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
MW-2															
3/29/91	--	--	--	--	--	--	--	**26,000**	**1,950**	14	ND	**1,860**	--	--	27
8/22/91	97.77	--	12.34	--	85.43	--	--	--	--	--	--	--	--	--	--
12/3/91	97.77	--	12.33	--	85.44	--	--	ND	**157**	ND	ND	ND	--	--	--
6/22/92	97.77	--	11.78	--	85.99	--	--	ND	**39.8**	ND	ND	ND	--	--	ND
6/21/93	97.77	--	10.45	--	87.32	--	--	ND	ND	ND	ND	ND	--	40	--
12/9/93	97.77	--	13.65	--	84.12	--	--	210	**41**	ND	21	0.6	--	5.1	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]

CHEVRON SERVICE STATION NO. 97451

2626 Bellevue Way Northeast, Bellevue, Washington

Concentrations reported in µg/L

Well ID/ Date	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	T. Lead	D. Lead
MW-2 (cont)															
6/15/94	97.77	--	12.11	--	85.66	--	--	230	3.9	ND	3.7	ND	--	--	8.8
12/12/94	97.77	--	12.82	--	84.95	--	--	740	62	1.1	57	4.6	--	--	3.4
6/9/95	97.77	--	9.70	--	88.07	--	--	ND	3.3	ND	ND	ND	--	5.0	--
12/29/95	97.77	--	12.20	--	85.57	--	--	830	1,000	37	37	110	--	--	--
6/4/96	97.77	--	10.00	--	87.77	--	--	80,800	7,620	7,430	2,110	9,150	--	--	--
3/20-21/00	97.77	14.40	17.13	2.73	82.82	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
12/06/00	97.77	14.98	16.05	1.07	82.58	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
3/21/01	97.77	15.10	16.08	0.98	82.47	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
6/14/01	97.77	13.39	14.74	1.35	84.11	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
9/19/01	97.77	14.20	15.02	0.82	83.41	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
12/5/01	97.77	14.10	15.00	0.90	83.49	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
3/7/02	97.77	10.45	10.68	0.23	87.27	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
6/14/02	97.77	10.62	11.00	0.38	87.07	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
8/6/02	97.77	11.34	11.74	0.40	86.35	--	--	--	--	--	--	--	--	--	--
8/14/02	97.77	11.39	11.77	0.38	86.30	--	--	--	--	--	--	--	--	--	--
10/1/02	97.77	12.52	13.02	0.50	85.15	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--		--	--	--	--
10/11/02	97.77	14.21	14.63	0.42	83.48	--	--	--	--	--	--	--	--	--	--
11/7/02	97.77	12.58	13.10	0.52	85.09	--	--	--	--	--	--	--	--	--	--
12/18/02	97.77	14.30	14.71	0.41	83.39	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
1/18/03	97.77	12.54	13.02	0.48	85.13	--	--	--	--	--	--	--	--	--	--
2/12/03	97.77	12.51	12.97	0.46	85.17	--	--	--	--	--	--	--	--	--	--
3/1/03	97.77	13.33	13.72	0.39	84.36	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
6/12/03	97.77	10.75	11.13	0.38	86.94	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
7/6/03	97.77	13.49	13.86	0.37	84.21	--	--	--	--	--	--	--	--	--	--
8/26/03	97.77	13.04	13.48	0.44	84.64	--	--	--	--	--	--	--	--	--	--
8/29/03	97.77	12.58	13.00	0.42	85.11	--	--	--	--	--	--	--	--	--	--
9/30/03	97.77	12.95	13.36	0.41	84.74	--	--	--	--	--	--	--	--	--	--
11/7/03	97.77	12.88	13.26	0.38	84.81	--	--	--	--	--	--	--	--	--	--
12/10/03	97.77	13.99	14.29	0.30	83.72	--	--	--	--	--	--	--	--	--	--
1/5/04	97.77	12.73	13.09	0.36	84.97	--	--	--	--	--	--	--	--	--	--
3/4/04	97.77	12.15	12.46	0.31	85.56	--	--	--	--	--	--	--	--	--	--
3/16/04	97.77	12.22	12.52	0.30	85.49	--	--	--	--	--	--	--	--	--	--
4/26/04	97.77	12.77	13.06	0.29	84.94	--	--	--	--	--	--	--	--	--	--

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]

CHEVRON SERVICE STATION NO. 97451

2626 Bellevue Way Northeast, Bellevue, Washington

Concentrations reported in µg/L

Well ID/ Date	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	T. Lead	D. Lead
MW-2 (cont)															
5/17/04	97.77	12.90	13.19	0.29	84.81	--	--	--	--	--	--	--	--	--	--
6/14/04	97.77	11.78	12.11	0.33	85.92	--	--	--	--	--	--	--	--	--	--
8/16/04	97.77	12.97	13.26	0.29	84.74	--	--	--	--	--	--	--	--	--	--
9/4/04	97.77	12.70	12.91	0.21	85.03	--	--	--	--	--	--	--	--	--	--
11/2/04	97.77	12.49	12.72	0.23	85.23	--	--	--	--	--	--	--	--	--	--
12/6/04	97.77	13.79	14.03	0.24	83.93	--	--	--	--	--	--	--	--	--	--
3/4/05	97.77	13.34	13.44	0.10	84.41	--	--	--	--	--	--	--	--	--	--
5/11/05	97.77	12.53	12.83	0.30	85.18	--	--	--	--	--	--	--	--	--	--
7/6/05	97.77	12.44	12.70	0.26	85.28	--	--	--	--	--	--	--	--	--	--
8/5/05	97.77	12.60	12.81	0.21	85.13	--	--	--	--	--	--	--	--	--	--
8/15/05	97.77	13.20	13.33	0.13	84.54	--	--	--	--	--	--	--	--	--	--
8/29/05	97.77	13.15	13.35	0.20	84.58	--	--	--	--	--	--	--	--	--	--
9/26/05	97.77	12.77	12.92	0.15	84.97	--	--	--	--	--	--	--	--	--	--
10/28/05	97.77	12.47	12.65	0.18	85.26	--	--	--	--	--	--	--	--	--	--
12/3/05	97.77	14.30	14.53	0.23	83.42	--	--	--	--	--	--	--	--	--	--
2/4/06	97.77	12.17	12.38	0.21	85.56	--	--	--	--	--	--	--	--	--	--
6/20/06	97.77	12.21	12.38	0.17	85.53	--	--	--	--	--	--	--	--	--	--
9/6/06	97.77	13.05	13.22	0.17	84.69	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--
11/17/06	97.77	14.20	14.28	0.08	83.55	--	--	--	--	--	--	--	--	--	--
2/6/07	97.77	11.68	11.75	0.07	86.08	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
6/12/07	97.77	11.68	11.73	0.05	86.08	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
8/27/07	97.77	12.38	12.44	0.06	85.38	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
12/3/07	97.77	14.14	14.21	0.07	83.62	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
2/23/08	97.77	14.58	14.62	0.04	83.18	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
6/5/08	97.77	11.55	11.61	0.06	86.21	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
9/2/08	97.77	14.66	14.68	0.02	83.11	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
12/01/08	97.77	15.40	15.57	0.17	82.34	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
3/21/09	97.77	13.50	13.58	0.08	84.25	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
6/3/09	97.77	11.98	12.28	0.30	85.73	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
3/19/10	97.77	11.74	11.76	0.02	86.03	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
5/27/10	97.77	11.11	11.17	0.06	86.65	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
9/30/10	97.77	12.59	12.68	0.09	85.16	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
11/20/10	97.77	12.90	12.99	0.09	84.85	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
CHEVRON SERVICE STATION NO. 97451
2626 Bellevue Way Northeast, Bellevue, Washington
Concentrations reported in µg/L

Well ID/ Date	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	T. Lead	D. Lead
MW-2 (cont)															
3/8/11	97.77	9.71	9.74	0.03	88.05	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
9/2/11	97.77	12.20	12.30	0.10	85.55	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
12/09/11	97.77	13.12	13.22	0.10	84.63	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
3/13/12	97.77	12.15	12.32	0.17	85.59	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
6/8/12	97.77	0.00	12.60	0.00	85.17	MONITORING ONLY		--	--	--	--	--	--	--	--
9/20/12	97.77	0.00	12.28	0.00	85.49	**6,100**	**530**	**72,000**	**470**	290	**1,100**	**14,000**	**69**	--	--
12/13/12	97.77	SURFACTANT INJECTION[8]				**18,000**	<700	**230,000**	**750**	**2,000**	350	**25,000**	--	--	--
3/8/13	97.77	10.33	10.35	0.02	87.44	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
6/7/13	97.77	10.42	10.44	0.02	87.35	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
9/7/13	97.77	12.80	12.88	0.08	84.95	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
12/12/13	97.77	14.60	14.72	0.12	83.15	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
3/27/14	97.77	13.55	13.60	0.05	84.21	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
6/24/14	97.77	11.80	11.82	0.02	85.97	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
9/29/14	97.77	14.10	14.37	0.27	83.62	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
12/12/14	97.77	14.55	14.58	0.03	83.21	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
3/13/15	97.77	0.00	11.80	0.00	85.97	720	<67	2,400	280	13	9.4	15	<26	--	--
10/21/15	97.77	15.89	16.29	0.40	81.80	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
4/20/16	97.77	0.00	10.80	0.00	86.97	**85,000**	<6,700	**420,000**	**240**	**200.00**	**1700.00**	**15,000**	<50	--	--
MW-3															
12/6/00	97.73	--	15.74	0.00	81.99	--	--	**4,310**	**695**	17.8	399	154	**727**	--	--
3/21/01	97.73	--	15.94	0.00	81.79	--	--	**6,900**	**863**	19.9	553	245	**747**	--	--
6/14/01	97.73	--	14.83	0.00	82.90	--	--	503	**51.0**	1.35	17.2	7.44	**740**	--	--
9/19/01	97.73	--	15.51	0.00	82.22	--	--	**2,600**	**279**	5.20	226	88.4	**505**	--	--
9/19/01 (R)	97.73	--	--	--	--	--	--	--	--	--	--	--	**628**	--	--
12/5/01	97.73	--	15.25	0.00	82.48	--	--	**4,430**	**553**	13.5	406	236	**594**	--	--
12/5/01 (R)	97.73	--	--	--	--	--	--	--	--	--	--	--	**431**	--	--
3/7/02 NP	97.73	--	11.49	0.00	86.24	--	--	**46,000**	**250**	180	650	**5,100**	<50	--	--
6/14/02 NP	97.73	--	11.01	0.00	86.72	--	--	**54,000**	**130**	180	**800**	**7,400**	<2.5	--	--
10/1/02 NP	97.73	--	13.06	0.00	84.67	--	--	**21,000**	**190**	160	590	**2,200**	**110**	--	--
12/18/02 NP	97.73	--	14.81	0.00	82.92	--	--	**930**	**20**	4.1	33	39	**280**	--	--
3/1/03 NP	97.73	--	13.86	0.00	83.87	--	--	**6,100**	**130**	57	310	760	**170**	--	--
6/12/03 NP	97.73	--	11.34	0.00	86.39	--	--	**26,000**	**19**	29	240	**1,400**	<2.5	--	--
8/29/03 NP	97.73	--	13.28	0.00	84.45	--	--	**6,500**	**57**	40	260	610	**56**	--	--
12/10/03 NP	97.73	--	15.15	0.00	82.58	--	--	<50	<0.5	<0.5	<0.5	<1.5	**100**	--	--

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]

CHEVRON SERVICE STATION NO. 97451

2626 Bellevue Way Northeast, Bellevue, Washington

Concentrations reported in µg/L

Well ID/ Date	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	T. Lead	D. Lead
MW-3 (cont)															
3/16/04 NP	97.73	--	13.23	0.00	84.50	--	--	790	7.1	2.1	51	38	58	--	--
6/14/04 NP	97.73	--	13.03	0.00	84.70	--	--	1,100	6.0	3.0	36	120	47	--	--
9/4/04 NP	97.73	--	13.59	0.00	84.14	--	--	<50	1	<0.5	<0.5	<1.5	12	--	--
12/6/04 NP	97.73	--	15.12	0.00	82.61	--	--	<50	<0.5	<0.5	<0.5	<1.5	47	--	--
3/4/05 NP	97.73	--	14.38	0.00	83.35	--	--	<50	<0.5	<0.5	<0.5	<1.5	43	--	--
7/6/05 NP	97.73	--	13.12	0.00	84.61	--	--	<50	<0.5	<0.5	<0.5	<1.5	32	--	--
8/29/05 NP	97.73	--	13.75	0.00	83.98	--	--	78	1.1	<0.5	3.8	1.6	21	--	--
12/3/05 NP	97.73	--	15.37	0.00	82.36	--	--	<48	<0.5	<0.5	1.3	<1.5	<2.5	--	--
9/6/06	97.73	--	13.36	0.00	84.37	<80	<100	1,100	2.3	2.9	40	67	11	--	--
2/6/07 NP	97.73	--	12.67	0.00	85.06	--	--	1,300	3.9	3.1	35	85	11	--	--
8/27/07 NP	97.73	--	13.14	0.00	84.59	--	--	120	<0.5	<0.5	1.5	6.5	<2.5	--	--
12/3/07	97.73	--	MONITORED/SAMPLED SEMIANNUALLY					--	--	--	--	--	--	--	--
12/1/08	97.73	--	MONITORED/SAMPLED SEMI-ANNUALLY					--	--	--	--	--	--	--	--
3/21/09 NP	97.73	--	15.05	0.00	82.68	--	--	610	61	2.9	4.5	2.8	11	--	--
6/3/09	97.73	--	MONITORED/SAMPLED SEMIANNUALLY					--	--	--	--	--	--	--	--
9/8/09 NP	97.73	--	15.32	0.00	82.41	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
3/19/10 NP	97.73	--	13.32	0.00	84.41	--	--	62	0.7	<0.5	<0.5	<1.5	8.7	--	--
5/27/10	97.73	--	MONITORED/SAMPLED SEMIANNUALLY					--	--	--	--	--	--	--	--
9/30/10	97.73	--	13.91	0.00	83.82	33	230	<50	<0.5	<0.5	0.50	<1.5	7.10	--	--
3/8/11	97.73	--	11.18	0.00	86.55	340	210	3,600	12	10	130	330	<10	--	--
9/2/11	97.73	--	12.85	0.00	84.88	95	<68	950	4.3	2.4	51	73	3.2	--	--
3/13/12	97.73	--	13.30	0.00	84.43	33	<70	590	4.7	0.7	11	22	7.8	--	--
6/8/12	97.73	--	MONITORED/SAMPLED SEMIANNUALLY					--	--	--	--	--	--	--	--
9/20/12	97.73	--	13.26	0.00	84.47	61	<67	760	19	1.3	25	11	7.2	--	--
12/11/12	97.73	--	SURFACTANT INJECTION[7]			270	570	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
12/13/12	97.73	--	SURFACTANT INJECTION[8]			160	410	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
3/8/13	97.73	--	11.64	0.00	86.09	140	<67	3,400	14	7.6	140	280	12	--	--
6/7/13	97.73	--	11.14	0.00	86.59	38	<66	1,900	7.3	5.1	88	190	5.8	--	--
9/7/13	97.73	--	13.60	0.00	84.13	<29	<67	120	1.4	<0.5	12	1.8	5.2	--	--
12/12/13	97.73	--	15.72	0.00	82.01	<30	<69	66	5.6	<0.5	1.5	<1.5	4.9	--	--
3/27/14	97.73	--	14.40	0.00	83.33	<29	<67	280	9.8	<0.5	<0.5	<1.5	5.5	--	--
6/24/14	97.73	--	12.58	0.00	85.15	33	<67	410	1.8	0.6	12	3.6	5.1	--	--
9/29/14	97.73	--	15.10	0.00	82.63	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
CHEVRON SERVICE STATION NO. 97451
2626 Bellevue Way Northeast, Bellevue, Washington
Concentrations reported in µg/L

Well ID/ Date	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	T. Lead	D. Lead
MW-3 (cont)															
12/12/14	97.73	--	15.68	0.00	82.05	<28	<66	<50	<0.5	<0.5	3.2	19	<2.5	--	--
3/13/15	97.73	--	13.91	0.00	83.82	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/21/15	97.73	--	16.81	0.00	80.92	55	<67	1,900	46	2.3	5.6	5.5	<2.5	--	--
4/20/16	97.73	--	11.95	0.00	85.78	88	<66	1,200	6.8	0.8	9.0	32.0	<6.0	--	--
MW-4															
12/6/00	96.85	--	14.94	0.00	81.91	--	--	ND	ND	ND	ND	ND	105	--	--
3/21/01	96.85	--	15.15	0.00	81.70	--	--	ND	ND	ND	ND	ND	157	--	--
6/14/01	96.85	--	14.09	0.00	82.76	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	110	--	--
9/19/01	96.85	--	14.82	0.00	82.03	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	77.5	--	--
9/19/01(R)	96.85	--	--	--	--	--	--	--	--	--	--	--	92	--	--
12/5/01	96.85	--	14.68	0.00	82.17	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	95.4	--	--
12/5/01(R)	96.85	--	--	--	--	--	--	--	--	--	--	--	95.9	--	--
3/7/02 NP	96.85	--	11.04	0.00	85.81	--	--	<50	<0.50	<0.50	<0.50	<1.5	48	--	--
6/14/02 NP	96.85	--	10.84	0.00	86.01	--	--	<50	<0.50	<0.50	<0.50	<1.5	35	--	--
10/1/02 NP	96.85	--	12.32	0.00	84.53	--	--	<50	<0.50	<0.50	<0.50	<1.5	25	--	--
12/18/02 NP	96.85	--	14.22	0.00	82.63	--	--	<50	<0.50	<0.50	<0.50	<1.5	12	--	--
3/1/03 NP	96.85	--	13.52	0.00	83.33	--	--	<50	<0.50	<0.50	<0.50	<1.5	59	--	--
6/12/03 NP	96.85	--	11.55	0.00	85.30	--	--	56	<0.5	<0.5	<0.5	<1.5	48	--	--
8/29/03 NP	96.85	--	12.98	0.00	83.87	--	--	<50	<0.5	<0.5	<0.5	<1.5	26	--	--
12/10/03 NP	96.85	--	14.84	0.00	82.01	--	--	<50	<0.5	<0.5	<0.5	<1.5	26	--	--
3/16/04 NP	96.85	--	12.92	0.00	83.93	--	--	<50	<0.5	<0.5	<0.5	<1.5	36	--	--
6/14/04 NP	96.85	--	12.90	0.00	83.95	--	--	<50	<0.5	<0.5	<0.5	<1.5	27	--	--
9/4/04 NP	96.85	--	13.28	0.00	83.57	--	--	<50	<0.5	<0.5	<0.5	<1.5	15	--	--
12/6/04 NP	96.85	--	14.70	0.00	82.15	--	--	<50	<0.5	<0.5	<0.5	<1.5	22	--	--
3/4/05 NP	96.85	--	13.89	0.00	82.96	--	--	<50	<0.5	<0.5	<0.5	<1.5	23	--	--
7/6/05 NP	96.85	--	12.88	0.00	83.97	--	--	<50	<0.5	<0.5	<0.5	<1.5	13	--	--
8/29/05 NP	96.85	--	13.50	0.00	83.35	--	--	<50	<0.5	<0.5	<0.5	<1.5	8.4	--	--
12/3/05 NP	96.85	--	14.98	0.00	81.87	--	--	<48	<0.5	<0.5	<0.5	<1.5	8.4	--	--
9/6/06	96.85	--	13.26	0.00	83.59	<80	<100	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
2/6/07 NP	96.85	--	12.39	0.00	84.46	--	--	<48	<0.5	<0.5	<0.5	<1.5	5.9	--	--
2/23/08 NP	96.85	--	14.70	0.00	82.15	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
9/2/08 NP	96.85	--	14.51	0.00	82.34	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
12/1/08	96.85	--	MONITORED/SAMPLED SEMIANNUALLY					--	--	--	--	--	--	--	--
3/21/09 NP	96.85	--	13.78	0.00	83.07	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]

CHEVRON SERVICE STATION NO. 97451

2626 Bellevue Way Northeast, Bellevue, Washington

Concentrations reported in µg/L

Well ID/ Date	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	T. Lead	D. Lead
MW-4 (cont)															
6/3/09	96.85	--	MONITORED/SAMPLED SEMIANNUALLY					--	--	--	--	--	--	--	--
9/8/09 NP	96.85	--	14.23	0.00	82.62	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
3/19/10 NP	96.85	--	12.41	0.00	84.44	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
5/27/10	96.85	--	MONITORED/SAMPLED SEMI-ANNUALLY					--	--	--	--	--	--	--	--
9/30/10	96.85	--	INACCESSIBLE			--	--	--	--	--	--	--	--	--	--
3/8/11	96.85	--	10.63	0.00	86.22	48	120	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
9/2/11	96.85	--	11.95	0.00	84.90	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
3/13/12	96.85	--	12.50	0.00	84.35	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
6/8/12	96.85	--	MONITORED/SAMPLED SEMIANNUALLY					--	--	--	--	--	--	--	--
9/20/12	96.85	--	12.35	0.00	84.50	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
12/11/12	96.85	--	SURFACTANT INJECTION[7]			220	480	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
12/13/12	96.85	--	SURFACTANT INJECTION[8]			<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
3/8/13	96.85	--	12.36	0.00	84.49	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
6/7/13	96.85	--	10.56	0.00	86.29	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
9/7/13	96.85	--	12.42	0.00	84.43	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
12/12/13	96.85	--	14.38	0.00	82.47	<30	<71	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
3/27/14	96.85	--	13.09	0.00	83.76	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
6/24/14	96.85	--	11.49	0.00	85.36	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
9/29/14	96.85	--	13.93	0.00	82.92	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
12/12/14	96.85	--	14.34	0.00	82.51	<28	<66	<50	<0.5	<0.5	1.6	9.6	<2.5	--	--
3/13/15	96.85	--	12.98	0.00	83.87	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/21/15	96.85	--	15.76	0.00	81.09	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
4/20/16	96.85	--	11.09	0.00	85.76	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
VE-1															
8/22/91	97.42	--	11.99	--	85.43	--	--	--	--	--	--	--	--	--	--
12/3/91	97.42	--	9.45	--	87.97	--	--	ND	ND	ND	ND	ND	--	--	--
6/22/92	97.42	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
6/21/93	97.42	--	10.01	--	87.41	--	--	ND	ND	ND	ND	ND	--	520	--
12/9/93	97.42	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
6/15/94	97.42	--	11.90	--	85.52	--	--	--	--	--	--	--	--	--	--
12/12/94	97.42	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
6/9/95	97.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/29/95	97.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/4/96	97.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
CHEVRON SERVICE STATION NO. 97451
2626 Bellevue Way Northeast, Bellevue, Washington
Concentrations reported in µg/L

Well ID/ Date	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	T. Lead	D. Lead
VE-1 (cont)															
3/20-21/00	97.42	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
12/6/00	97.42	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
3/21/01	97.42	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
6/14/01	97.42	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
9/19/01	97.42	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
12/5/01	97.42	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED															
VE-2															
8/22/91	97.46	--	10.47	--	86.99	--	--	--	--	--	--	--	--	--	--
12/3/91	97.46	--	5.64	--	91.82	--	--	ND	ND	ND	ND	ND	--	--	--
6/22/92	97.46	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
6/21/93	97.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/9/93	97.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/9/95	97.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/29/95	97.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/4/96	97.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/20-21/00	97.46	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
12/6/00	97.46	--	6.41	0.00	91.05	--	--	--	--	--	--	--	--	--	--
3/21/01	97.46	--	6.50	0.00	90.96	--	--	--	--	--	--	--	--	--	--
6/14/01	97.46	--	6.25	0.00	91.21	--	--	--	--	--	--	--	--	--	--
9/19/01	97.46	--	7.80	0.00	89.66	--	--	--	--	--	--	--	--	--	--
12/5/01	97.46	--	4.29	0.00	93.17	--	--	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED															
6/7/13	97.46	--	9.32	0.00	88.14	Insufficient water for sampling			--	--	--	--	--	--	--
9/7/13	97.46	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
12/12/13	97.46	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
3/27/14	97.46	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
6/24/14	97.46	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
9/29/14	97.46	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
12/12/14	97.46	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
3/13/15	97.46	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
10/21/15	97.46	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
4/20/16	97.46	--	8.99	0.00	88.47	Insufficient water for sampling			--	--	--	--	--	--	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]

CHEVRON SERVICE STATION NO. 97451

2626 Bellevue Way Northeast, Bellevue, Washington

Concentrations reported in µg/L

Well ID/ Date	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	T. Lead	D. Lead
VE-3															
8/22/91	98.00	--	10.24	--	87.76	--	--	--	--	--	--	--	--	--	--
12/3/91	98.00	--	8.92	--	89.08	--	--	ND	ND	ND	ND	ND	--	--	--
6/22/92	98.00	--	10.37	--	87.63	--	--	ND	1.2	ND	ND	ND	--	--	ND
6/21/93	98.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/9/93	98.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/15/94	98.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/12/94	98.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/9/95	98.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/29/95	98.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/4/96	98.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/20-21/00	98.00	--	9.94	0.00	88.06	--	--	--	--	--	--	--	--	--	--
12/6/00	98.00	--	10.85	0.00	87.15	--	--	--	--	--	--	--	--	--	--
3/21/01	98.00	--	11.19	0.00	86.81	--	--	--	--	--	--	--	--	--	--
6/14/01	98.00	--	10.38	0.00	87.62	--	--	--	--	--	--	--	--	--	--
9/19/01	98.00	--	10.31	0.00	87.69	--	--	--	--	--	--	--	--	--	--
12/5/01	98.00	--	9.05	0.00	88.95	--	--	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED															
VE-4															
8/22/91	98.05	--	11.34	--	86.71	--	--	--	--	--	--	--	--	--	--
12/3/91	98.05	--	8.81	--	89.24	--	--	ND	ND	ND	ND	ND	--	--	--
6/22/92	98.05	--	10.72	--	87.33	--	--	ND	ND	ND	ND	ND	--	--	--
6/21/93	98.05	--	9.45	--	88.60	--	--	ND	ND	ND	ND	ND	--	9	--
12/9/93	98.05	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
6/15/94	98.05	--	11.13	--	86.92	--	--	ND	ND	ND	ND	ND	--	--	8
12/12/94	98.05	--	11.50	--	86.55	--	--	ND	ND	ND	ND	ND	--	--	7.6
6/9/95	98.05	--	8.85	--	89.20	--	--	ND	0.56	ND	ND	ND	--	11	--
12/29/95	98.05	--	10.49	--	87.56	--	--	ND	250	ND	ND	1.3	--	--	--
6/4/96	98.05	--	8.55	--	89.50	--	--	58.1	7.76	ND	ND	ND	--	--	--
3/21/01	98.05	--	11.79	0.00	86.26	--	--	--	--	--	--	--	--	--	--
6/14/01	98.05	--	11.33	0.00	86.72	--	--	--	--	--	--	--	--	--	--
9/19/01	98.05	--	11.52	0.00	86.53	--	--	--	--	--	--	--	--	--	--
12/5/01	98.05	--	10.78	0.00	87.27	--	--	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED															

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]

CHEVRON SERVICE STATION NO. 97451

2626 Bellevue Way Northeast, Bellevue, Washington

Concentrations reported in µg/L

Well ID/ Date	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	T. Lead	D. Lead
VE-5															
8/22/91	97.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/3/91	97.56	--	8.70	--	88.86	--	--	5,000	119	86	153	652	--	--	--
6/22/92	97.56	--	9.05	--	88.51	--	--	16,000	323	502	720	3,200	--	--	3
6/21/93	97.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/9/93	97.56	--	10.90	--	86.66	--	--	18,000	120	540	700	2,800	--	14	--
6/15/94	97.56	--	9.52	--	88.04	--	--	23,000	49	300	930	4,000	--	--	15
12/12/94	97.56	--	10.22	--	87.34	--	--	ND	ND	ND	ND	ND	--	--	ND
6/9/95	97.56	INACCESSIBLE			--	--	--	--	--	--	--	--	--	--	--
12/29/95	97.56	--	8.17	--	89.39	--	--	18,000	440	130	740	4,000	--	--	--
6/4/96	97.56	--	6.65	--	90.91	--	--	7,330	271	156	233	911	--	--	--
3/20-21/00	97.56	--	7.85	0.00	89.71	--	--	23,500	586	173	1,130	4,280	59.6	--	--
12/6/00	97.56	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--	--	--
3/21/01	97.56	--	9.00	0.00	88.56	--	--	21,900	83.5	55.0	644	2,160	ND	--	--
6/14/01	97.56	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--	--	--
9/19/01	97.56	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--	--	--
12/5/01	97.56	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED															
VE-6															
8/22/91	98.60	--	10.19	--	88.41	--	--	--	--	--	--	--	--	--	--
12/3/91	98.60	--	9.75	--	88.85	--	--	ND	ND	ND	ND	ND	--	--	--
6/22/92	98.60	--	10.69	--	87.91	--	--	ND	ND	ND	ND	ND	--	--	ND
6/21/93	98.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/9/93	98.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/15/94	98.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/12/94	98.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/9/95	98.60	--	8.07	--	90.53	--	--	--	--	--	--	--	--	--	--
12/29/95	98.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/4/96	98.60	--	8.65	--	89.95	--	--	--	--	--	--	--	--	--	--
3/20-21/00	98.60	--	9.26	0.00	89.34	--	--	--	--	--	--	--	--	--	--
12/6/00	98.60	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
3/21/01	98.60	--	11.41	0.00	87.19	--	--	--	--	--	--	--	--	--	--
6/14/01	98.60	--	10.97	0.00	87.63	--	--	--	--	--	--	--	--	--	--
9/19/01	98.60	--	11.09	0.00	87.51	--	--	--	--	--	--	--	--	--	--
12/5/01	98.60	--	9.32	0.00	89.28	--	--	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED															

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]

CHEVRON SERVICE STATION NO. 97451

2626 Bellevue Way Northeast, Bellevue, Washington

Concentrations reported in µg/L

Well ID/ Date	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	T. Lead	D. Lead
TB-1															
8/22/91	97.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/3/91	97.64	--	8.82	--	88.82	--	--	ND	8	1	ND	5	--	--	--
6/22/92	97.64	--	9.06	--	88.58	--	--	ND	1.2	ND	2	ND	--	--	ND
6/21/93	97.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/9/93	97.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/15/94	97.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/12/94	97.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/9/95	97.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/29/95	97.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/4/96	97.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/20-21/00	97.64	--	7.79	0.00	89.85	--	--	--	--	--	--	--	--	--	--
12/6/00	97.64	--	8.92	0.00	88.72	--	--	--	--	--	--	--	--	--	--
3/21/01	97.64	--	8.95	0.00	88.69	--	--	--	--	--	--	--	--	--	--
6/14/01	97.64	--	8.82	0.00	88.82	--	--	--	--	--	--	--	--	--	--
9/19/01	97.64	--	8.88	0.00	88.76	--	--	--	--	--	--	--	--	--	--
12/5/01	97.64	--	7.31	0.00	90.33	--	--	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED															
6/4/96	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
3/20-21/00	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--
12/6/00	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--
3/21/01	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--
6/14/01	--	--	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00	--	--
9/19/01	--	--	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00	--	--
12/5/01	--	--	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00	--	--
3/7/02	--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
QA															
6/14/02	--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
10/1/02	--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
12/18/02	--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
3/1/03	--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
6/12/03	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
8/29/03	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
12/10/03	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--

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TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
CHEVRON SERVICE STATION NO. 97451
2626 Bellevue Way Northeast, Bellevue, Washington
Concentrations reported in µg/L

Well ID/ Date	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	T. Lead	D. Lead
QA (cont)															
3/16/04	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
6/14/04	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
9/4/04	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
12/6/04	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
3/4/05	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
7/6/05	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
8/29/05[6]	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/3/05	--	--	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
2/6/07	--	--	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
8/27/07	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
2/23/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
9/2/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
3/21/09	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
9/8/09	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
3/19/10	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
9/30/10	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
3/8/11	--	--	--	--	--	--	--	<51	<0.5	<0.5	<0.5	<1.6	<2.6	--	--
9/2/11	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
3/13/12	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
9/20/12	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
3/8/13	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
6/7/13	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
9/7/13	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
12/12/13	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	88.47
3/27/14	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
6/24/14	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
9/29/14	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
12/12/14	--	--	--	--	--	--	--	<51	<0.5	<0.5	<0.5	<1.6	<2.6	--	--
3/13/15	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/21/15	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
4/20/16	--	--	--	--	--	--	--							--	--
Standard Laboratory Reporting Limits:						--	--	50	0.5	0.5	0.5	1.5	2.5	1.00	1.00
MTCA Method A Cleanup Levels:						500	500	800/1,000	5	1,000	700	1,000	20	15	15
Current Method[4]:						NWTPH-Dx+Extended[5]		NWTPH-Gx	USEPA 8021B					USEPA Method 7421	

Attachment A:
Groundwater Monitoring and Sampling Data Package

GETTLER-RYAN INC.

TRANSMITTAL

April 29, 2016
G-R #386678

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
#9-7451
2626 Bellevue Way Northeast
Bellevue, Washington

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **Second Semi-Annual Event of April 20, 2016**

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 tables 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/9-7451

GETTLER-RYAN INC.

CHEVRON - SITE CHECK LIST

Facility#:	**Chevron #9-7451** Date: 4/20/16
Address:	**2626 Bellevue Way NE**
City/St.:	**Bellevue, WA**
Status of Site:	ACTIVE STATION (CHEVRON)

DRUMS: *Please list below ALL DRUMS on site:*
(i.e., drum description, condition, labeling, contents and location of drums)

#	Description	Condition	Labeling	Contents/Capacity	Location
1	30 gal DRUMS	OK	HAZWASTE	2 | 9a |	ENCLOSURE

WELLS: *Please check the condition of ALL WELLS on site:*
(i.e., gaskets, bolts, replaced well plug and/or well lock, well box condition and 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	OK	OK	NO	NO	PEMCO / 8/02	
MW-2	↓	↓	↓	↓	UNIVERSAL / 12/2	
MW-3	↓	↓	↓	↓	MORRIS / 8/3	
MW-4	↓	↓	↓	↓	↓ ↓ ↓	
VE-2	↓	↓	↓	↓	ENCO / 12/2	

Additional Comments/Observations:

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

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

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

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

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

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

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-7451 | Job Number: 386678
Site Address: 2626 Bellevue Way NE | Event Date: 4/20/16 (inclusive)
City: Bellevue, WA | Sampler: GM

Well ID: MW-1 | Date Monitored: 4/20/16
Well Diameter: 2 in.
Total Depth: 24.97 ft.
Depth to Water: 9.57 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.

15.40 xVF 0.17 = 2.61 x3 case volume = Estimated Purge Volume: 8 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.45

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 0610 | Weather Conditions: Sunny
Sample Time/Date: 0645 / 4/20/16 | Water Color: cloudy Odor: Y / (N)
Approx. Flow Rate: — gpm. | Sediment Description: SL SILT
Did well de-water? No If yes, Time: — Volume: — gal. DTW @ Sampling: 10.69

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS/mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0615	3	6.75	240	14.0		
0621	6	6.64	241	14.0		
0629	8	6.61	242	13.9		

LABORATORY INFORMATION

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

COMMENTS: _____

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-7451 | Job Number: 386678
Site Address: 2626 Bellevue Way NE | Event Date: 4/20/16 (inclusive)
City: Bellevue, WA | Sampler: GM

Well ID: MW-2 | Date Monitored: 4/20/16
Well Diameter: 2 in.
Total Depth: 19.51 ft.
Depth to Water: 10.80 ft.

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

☐ Check if water column is less then 0.50 ft.

8.71 xVF 0.17 = 1.48 x3 case volume = Estimated Purge Volume: 4.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.54

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

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

Start Time (purge): 0840 | Weather Conditions: SUNNY
Sample Time/Date: 0915 / 4/20/16 | Water Color: CLOUDY Odor: (Y) N STRONG
Approx. Flow Rate: — gpm. | Sediment Description: SILT
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 12.04

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS/ mS µmhos/cm)	Temperature (C/ F)	D.O. (mg/L)	ORP (mV)
0844	1.5	7.01	765	14.5		
0848	3	6.99	769	14.4		
0852	4.5	6.97	771	14.4		

LABORATORY INFORMATION

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

COMMENTS: SHEEN ON WATER

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-7451 | Job Number: 386678
Site Address: 2626 Bellevue Way NE | Event Date: 4/20/16 (inclusive)
City: Bellevue, WA | Sampler: GM

Well ID: MW-3 | Date Monitored: 4/20/16
Well Diameter: 2 in.
Total Depth: 19.28 ft.
Depth to Water: 11.95 ft. ☐ Check if water column is less then 0.50 ft.

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

7.33 xVF 0.17 = 1.24 x3 case volume = Estimated Purge Volume: 4 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.41

Purge Equipment:
Disposable Bailer: ____
Stainless Steel Bailer: ____
Stack Pump: X
Peristaltic Pump: ____
QED Bladder Pump: ____
Other: ____

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

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

Start Time (purge): 0745 | Weather Conditions: SUNNY
Sample Time/Date: 0820 / 4/20/16 | Water Color: BROWN | Odor: (Y) N SLIGHT
Approx. Flow Rate: - gpm. | Sediment Description: SLT
Did well de-water? NO If yes, Time: ~ Volume: ~ gal. DTW @ Sampling: 12.42

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0749	1.5	7.10	560	14.6		
0752	3	7.07	562	14.5		
0757	4	7.05	566	14.4		

LABORATORY INFORMATION

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

COMMENTS: ____

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-7451 Job Number: 386678
Site Address: 2626 Bellevue Way NE Event Date: 4/20/16 (inclusive)
City: Bellevue, WA Sampler: GM

Well ID MW-4 Date Monitored: 4/20/16
Well Diameter 2 in.
Total Depth 18.69 ft.
Depth to Water 11.09 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.

7.60 xVF 0.17 = 1.29 x3 case volume = Estimated Purge Volume: 4 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.61

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

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

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: 0 ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ltr
Amt Removed from Well: ltr
Water Removed: ltr
Product Transferred to:

Start Time (purge): 0700 Weather Conditions: SUNNY
Sample Time/Date: 0735 / 4/20/16 Water Color: TAN Odor: Y / (N)
Approx. Flow Rate: — gpm. Sediment Description: SLT
Did well de-water? No If yes, Time: — Volume: — gal. DTW @ Sampling: 11.86

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0703	1.5	6.79	330	14.4		
0706	3	6.75	334	14.2		
0710	4	6.77	336	14.1		

LABORATORY INFORMATION

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

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-7451 Job Number: 386678
Site Address: 2626 Bellevue Way NE Event Date: 4/26/16 (inclusive)
City: Bellevue, WA Sampler: GM

Well ID VE-2 Date Monitored: 4/20/16
Well Diameter 2 in.
Total Depth 9.70 ft.
Depth to Water 8.99 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.

0.71 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 ___
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: 0 ft
Visual Confirmation/Description: ___
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ___ ltr
Amt Removed from Well: ___ ltr
Water Removed: ___ ltr
Product Transferred to: ___

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

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

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

COMMENTS: INSUFFICIENT H2O

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

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#9-7451-OML G-R#386678 WBS

Site Address 2626 Bellevue Way NE, BELLEVUE, 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 G. MEDINA

2 Sample Identification

3 Grab / Composite

4 Matrix

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

5 Analyses Requested

Sample Identification	Collected Date	Collected Time	Grab	Composite	Soil	Sediment	Water	Ground	Potable	Surface	NPDES	Oil	Air	Total Number of Containers	BTEX + MTBE	8021	Naphth	8260	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
QA	4/20/16	—	X				W							2	X						X								
MW-1		0645												5								X							
MW-2		0915																											
MW-3		0820																											
MW-4		0735																											

☐ 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

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: _____

9

Relinquished by	Date	Time	Received by	Date	Time
[signature]	4/22/16	—			

Relinquished by Commercial Carrier: UPS X FedEx _____ Other _____

Temperature Upon Receipt _____ °C

Custody Seals Intact? Yes No

Attachment B:
Laboratory Analysis Report

eurofins | Lancaster Laboratories Environmental

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

Analysis Report

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Report Date: May 05, 2016

Project: 97451

Submittal Date: 04/23/2016
Group Number: 1653654
PO Number: 0015201727
Release Number: HORNE
State of Sample Origin: WA

Client Sample Description	Lancaster Labs (LL) #
QA Water	8347903
MW-1 Grab Groundwater	8347904
MW-2 Grab Groundwater	8347905
MW-3 Grab Groundwater	8347906
MW-4 Grab Groundwater	8347907

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

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ .

Electronic Copy To	Leidos	Attn: Ruth Otteman
Electronic Copy To	Leidos	Attn: Jamalyn Agyei
Electronic Copy To	Gettler-Ryan Inc.	Attn: Gettler Ryan

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

eurofins | Lancaster Laboratories Environmental

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

Analysis Report

Sample Description: QA Water
Facility# 97451 Job# 386678
2626 Bellevue Way NE - Bellevue, WA

LL Sample # WW 8347903
LL Group # 1653654
Account # 11260

Project Name: 97451

Collected: 04/20/2016

Submitted: 04/23/2016 09:20
Reported: 05/05/2016 13:12

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BWBQA

CAT No.	Analysis Name	CAS Number	Result	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

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	16117A94A	04/27/2016 20:01	Jeremy C Giffin	1
02102	Method 8021 Water Master	SW-846 8021B	1	16117A94A	04/27/2016 20:01	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16117A94A	04/27/2016 20:01	Jeremy C Giffin	1

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Analysis Report

Sample Description: MW-1 Grab Groundwater
Facility# 97451 Job# 386678
2626 Bellevue Way NE - Bellevue, WA

LL Sample # WW 8347904
LL Group # 1653654
Account # 11260

Project Name: 97451

Collected: 04/20/2016 06:45 by GM

Submitted: 04/23/2016 09:20
Reported: 05/05/2016 13:12

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BWBM1

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles	**SW-846 8021B**		ug/l	ug/l	
02102	Benzene	71-43-2	N.D.	0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1

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

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	16117A94A	04/28/2016 01:34	Jeremy C Giffin	1
02102	Method 8021 Water Master	SW-846 8021B	1	16117A94A	04/28/2016 01:34	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16117A94A	04/28/2016 01:34	Jeremy C Giffin	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	161200011A	05/02/2016 14:52	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	161200011A	04/30/2016 09:00	Bradley W VanLeuven	1

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Analysis Report

Sample Description: MW-2 Grab Groundwater
Facility# 97451 Job# 386678
2626 Bellevue Way NE - Bellevue, WA

LL Sample # WW 8347905
LL Group # 1653654
Account # 11260

Project Name: 97451

Collected: 04/20/2016 09:15 by GM

Submitted: 04/23/2016 09:20
Reported: 05/05/2016 13:12

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BWBM2

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08274	NWTPH-Gx water C7-C12	n.a.	420,000	5,000	100
GC Volatiles	**SW-846 8021B**		ug/l	ug/l	
02102	Benzene	71-43-2	240	10	20
02102	Ethylbenzene	100-41-4	1,700	10	20
02102	Methyl tert-Butyl Ether	1634-04-4	N.D.	50	20
02102	Toluene	108-88-3	200	10	20
02102	Total Xylenes	1330-20-7	15,000	30	20
	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.	85,000	2,900	100
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	6,700	100
	Due to the dilution of the sample extract, capric acid recovery can not be determined.				

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	16122A53A	05/02/2016 23:59	Brett W Kenyon	100
02102	Method 8021 Water Master	SW-846 8021B	1	16117A94A	04/28/2016 04:08	Jeremy C Giffin	20
01146	GC VOA Water Prep	SW-846 5030B	1	16117A94A	04/28/2016 04:08	Jeremy C Giffin	20
01146	GC VOA Water Prep	SW-846 5030B	2	16122A53A	05/02/2016 23:59	Brett W Kenyon	100
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	161200011A	05/03/2016 09:14	Christine E Dolman	100
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	161200011A	04/30/2016 09:00	Bradley W VanLeuven	1

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Analysis Report

Sample Description: MW-3 Grab Groundwater
Facility# 97451 Job# 386678
2626 Bellevue Way NE - Bellevue, WA

LL Sample # WW 8347906
LL Group # 1653654
Account # 11260

Project Name: 97451

Collected: 04/20/2016 08:20 by GM

Submitted: 04/23/2016 09:20
Reported: 05/05/2016 13:12

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BWBM3

CAT No.	Analysis Name	CAS Number	Result	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	6.8	0.5	1
02102	Ethylbenzene	100-41-4	9.0	0.5	1
02102	Methyl tert-Butyl Ether	1634-04-4	N.D.	6.0	1
02102	Toluene	108-88-3	0.8	0.5	1
02102	Total Xylenes	1330-20-7	32	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.	88	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
	The reverse surrogate, capric acid, is present at <1%.				

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	16122A53A	05/02/2016 14:21	Brett W Kenyon	1
02102	Method 8021 Water Master	SW-846 8021B	1	16122A53A	05/02/2016 14:21	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	16122A53A	05/02/2016 14:21	Brett W Kenyon	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	161200011A	05/02/2016 15:14	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	161200011A	04/30/2016 09:00	Bradley W VanLeuven	1

Sample Description: MW-4 Grab Groundwater
Facility# 97451 Job# 386678
2626 Bellevue Way NE - Bellevue, WA

LL Sample # WW 8347907
LL Group # 1653654
Account # 11260

Project Name: 97451

Collected: 04/20/2016 07:35 by GM

Submitted: 04/23/2016 09:20
Reported: 05/05/2016 13:12

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

BWBM4

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles	**SW-846 8021B**		ug/l	ug/l	
02102	Benzene	71-43-2	N.D.	0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1

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

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	16117A94A	04/28/2016 02:00	Jeremy C Giffin	1
02102	Method 8021 Water Master	SW-846 8021B	1	16117A94A	04/28/2016 02:00	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16117A94A	04/28/2016 02:00	Jeremy C Giffin	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	161200011A	05/02/2016 15:36	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	161200011A	04/30/2016 09:00	Bradley W VanLeuven	1

Quality Control Summary

Client Name: Chevron
Reported: 05/05/2016 13:12

Group Number: 1653654

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.

Method Blank

Analysis Name	Result ug/l	MDL ug/l
Batch number: 16117A94A	Sample number(s): 8347903-8347905,8347907	
Benzene	N.D.	0.2
Ethylbenzene	N.D.	0.2
Methyl tert-Butyl Ether	N.D.	0.3
NWTPH-Gx water C7-C12	N.D.	50
Toluene	N.D.	0.2
Total Xylenes	N.D.	0.2
Batch number: 16122A53A	Sample number(s): 8347905-8347906	
Benzene	N.D.	0.2
Ethylbenzene	N.D.	0.2
Methyl tert-Butyl Ether	N.D.	0.3
NWTPH-Gx water C7-C12	N.D.	50
Toluene	N.D.	0.2
Total Xylenes	N.D.	0.2
Batch number: 161200011A	Sample number(s): 8347904-8347907	
DRO C12-C24 w/Si Gel	N.D.	30
HRO C24-C40 w/Si Gel	N.D.	70

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 16117A94A	Sample number(s): 8347903-8347905,8347907								
Benzene	20	20.37	20	19.91	102	100	80-120	2	30
Ethylbenzene	20.1	20.03	20.1	19.67	100	98	80-120	2	30
Methyl tert-Butyl Ether	20	18.2	20	17.66	91	88	69-137	3	30
NWTPH-Gx water C7-C12	1100	1020.36	1100	1007.99	93	92	79-120	1	30
Toluene	20.2	20.68	20.2	20.09	102	99	80-120	3	30
Total Xylenes	60.2	62.27	60.2	61.1	103	101	80-120	2	30
Batch number: 16122A53A	Sample number(s): 8347905-8347906								
Benzene	20	20.43	20	20.15	102	101	80-120	1	30
Ethylbenzene	20.1	19.78	20.1	19.56	98	97	80-120	1	30
Methyl tert-Butyl Ether	20	22.35	20	23.47	112	117	69-137	5	30
NWTPH-Gx water C7-C12	1100	1079.23	1100	1067.21	98	97	79-120	1	30
Toluene	20.2	20.14	20.2	19.96	100	99	80-120	1	30
Total Xylenes	60.2	61.59	60.2	61.22	102	102	80-120	1	30

*- 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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 05/05/2016 13:12

Group Number: 1653654

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 161200011A	Sample number(s): 8347904-8347907								
DRO C12-C24 w/Si Gel	1600	1013.92	1600	1081.1	63	68	32-117	6	20

Surrogate Quality Control

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

Analysis Name: Method 8021 Water Master
Batch number: 16117A94A

	Trifluorotoluene-P	Trifluorotoluene-F
8347903	86	81
8347904	86	80
8347905	88	
8347907	85	79
Blank	84	80
LCS	85	94
LCSD	85	92
Limits:	51-120	63-135

Analysis Name: Method 8021 Water Master
Batch number: 16122A53A

	Trifluorotoluene-P	Trifluorotoluene-F
8347905		104
8347906	103	104
Blank	101	110
LCS	101	113
LCSD	100	112
Limits:	51-120	63-135

Analysis Name: *NWTPH-Dx water w/ 10g Si Gel*
Batch number: 161200011A

	Orthoterphenyl
8347904	72
8347905	319*
8347906	75
8347907	78
Blank	79
LCS	88
LCSD	89
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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Chevron Northwest Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 11260 For Eurofins Lancaster Laboratories use only Group # 1653654 Sample # 8347903-07

Instructions on reverse side correspond with circled numbers.

SCR #: _____

(1) Client Information

Facility # SS#9-7451-OML G-R#386678 WBS

Site Address 2626 Bellevue Way NE, BELLEVUE, 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 G. MEDINA

(4) Matrix

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

(5) Analyses Requested

(2) Sample Identification	Collected Date	Collected Time	(3) Grab	(3) Composite	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 EPH ☐	WA VPH ☐	Lead: Total ☐ Diss. ☐ Method ____
QA	4/20/16	—	X		2	X				X					
MW-1		0645			5						X				
MW-2		0915													
MW-3		0820													
MW-4	↓	0735	↓		↓	↓				↓	↓				

- ☐ 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

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: _____

(9)	Relinquished by	Date	Time	Received by	Date	Time
	[signature]	4/22/16	—	[signature]		
	Relinquished by	Date	Time	Received by	Date	Time
	Relinquished by Commercial Carrier: UPS X FedEx ____ Other ____			Received by [signature]	4/23/16	0924
	Temperature Upon Receipt 0.3 °C			Custody Seals Intact?	Yes	No

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Lancaster Laboratories Environmental

Sample Administration Receipt Documentation Log

Doc Log ID: 144039

Group Number(s): 1653654

Client: Chevron

97451

Delivery and Receipt Information

Delivery Method:	UPS	Arrival Timestamp:	04/23/2016 9:20
Number of Packages:	5	Number of Projects:	4

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	Yes
Samples Chilled:	Yes	VOA IDs (≥ 6mm):	1 TB
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	2
Samples Intact:	Yes	Trip Blank Type:	HCl
Missing Samples:	No	Air Quality Samples Present:	No
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Krista Abel (3058) at 10:05 on 04/23/2016

Samples Chilled Details: 97451

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT146	2.8	DT	Wet	Y	Bagged	N
2	DT146	2.6	DT	Wet	Y	Bagged	N
3	DT146	0.3	DT	Wet	Y	Bagged	N
4	DT146	2.1	DT	Wet	Y	Bagged	N
5	DT146	4.3	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17605-2425
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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
>	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.

Laboratory Data Qualifiers:

B - Analyte detected in the blank
C - Result confirmed by reanalysis
E - Concentration exceeds the calibration range
J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U - Analyte was not detected at the value indicated
V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

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

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

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

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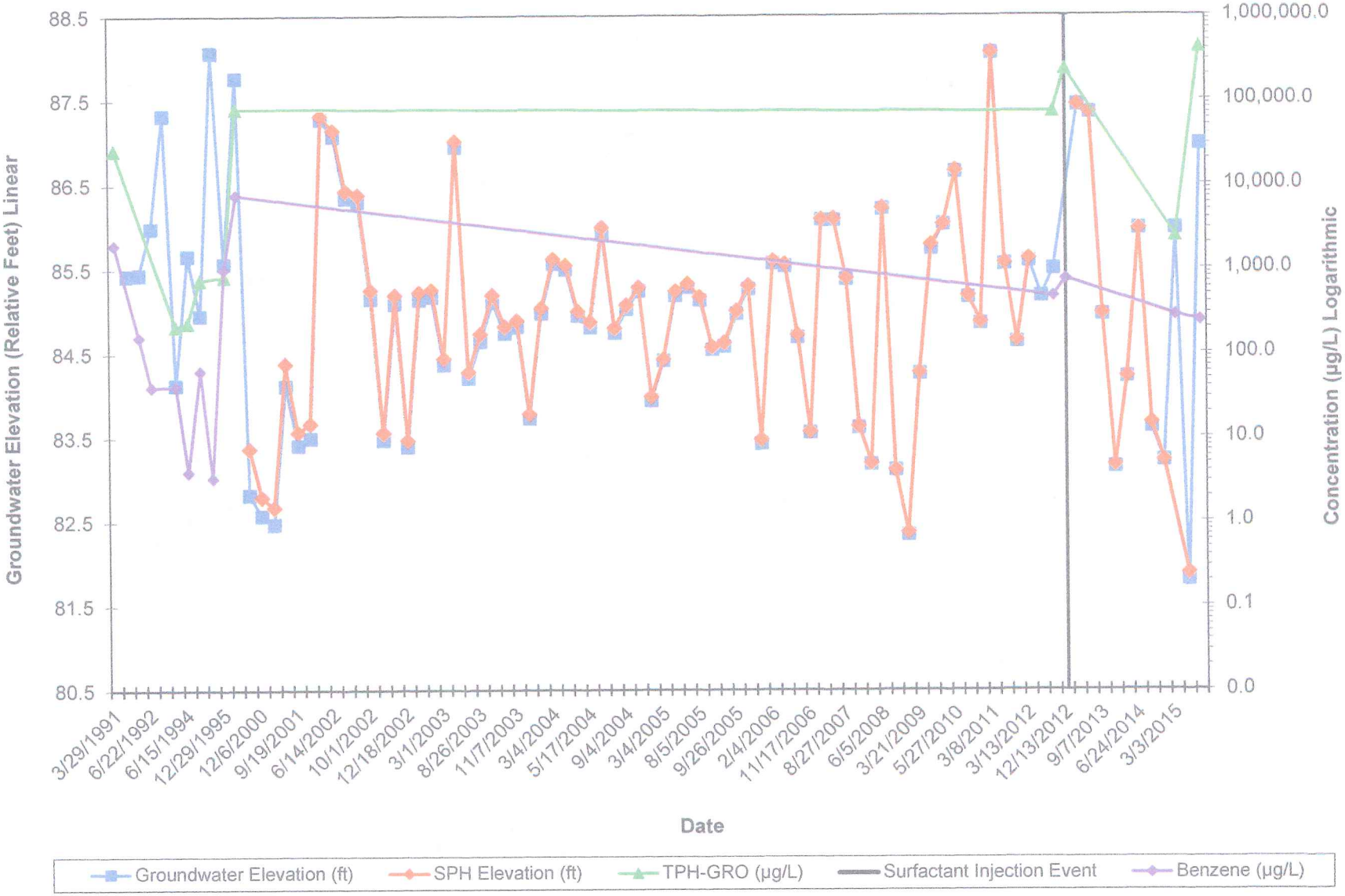
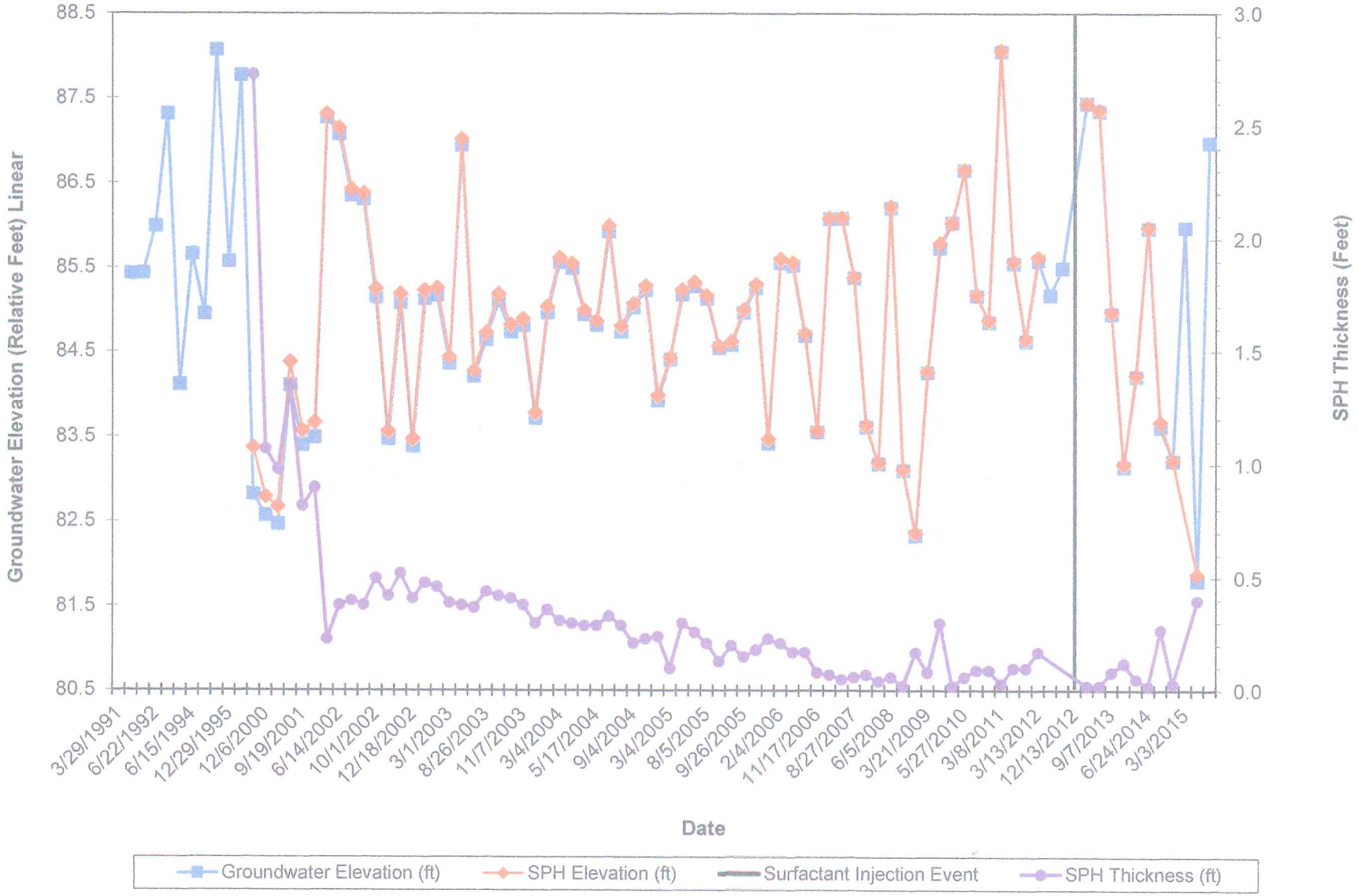
Attachment C:
Hydrographs

Well MW-2
Hydrograph - SPH and Petroleum Hydrocarbons
Chevron Service Station No. 97451
2626 Bellevue Way Northeast, Bellevue, WA



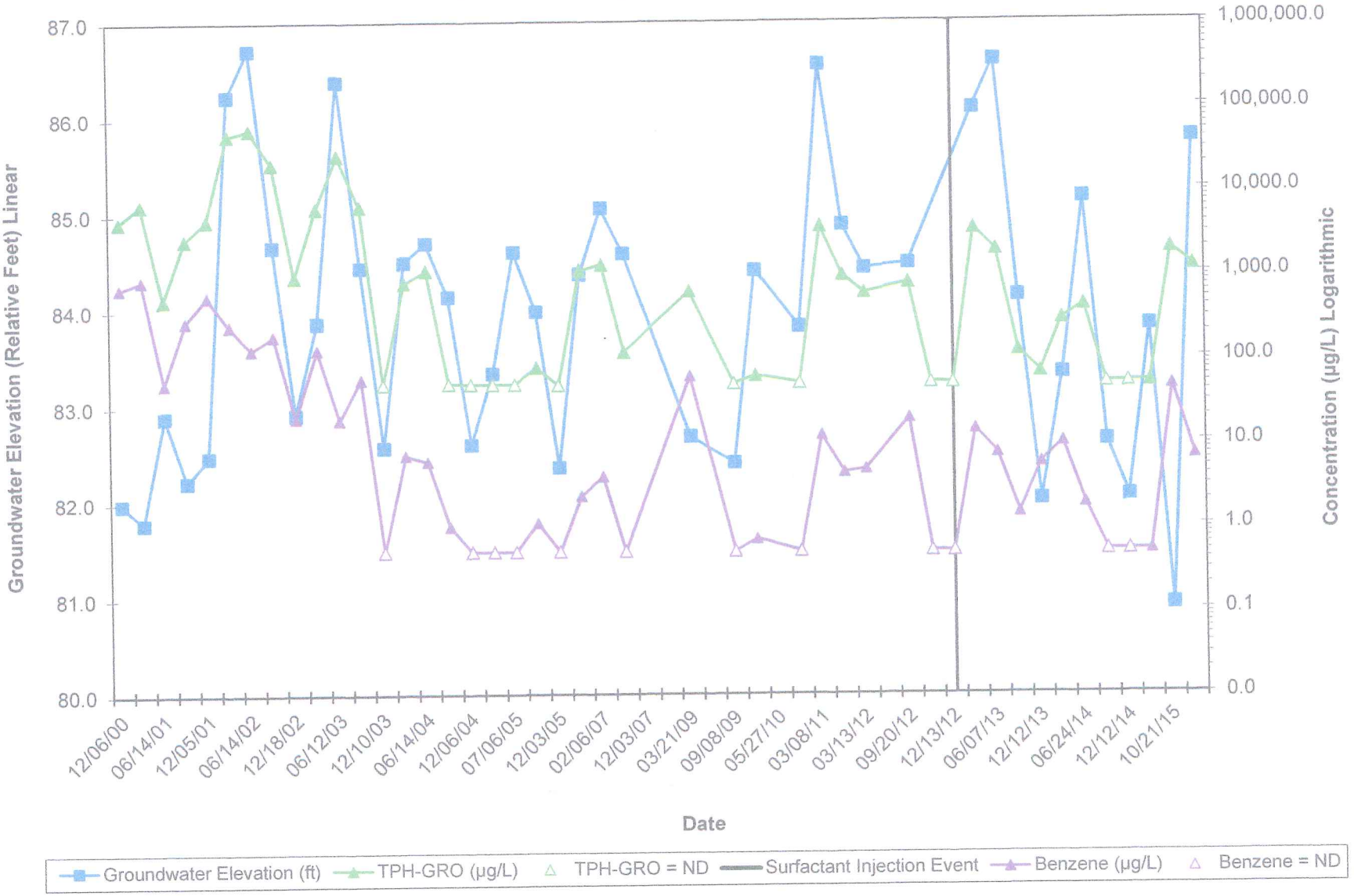
leidos

Well MW-2
Hydrograph - GW and SPH Elevation vs SPH Thickness
Chevron Service Station No. 97451
2626 Bellevue Way Northeast, Bellevue, WA



leidos

Well MW-3
Hydrograph - Hydrocarbons
Chevron Service Station No. 97451
2626 Bellevue Way Northeast, Bellevue, WA



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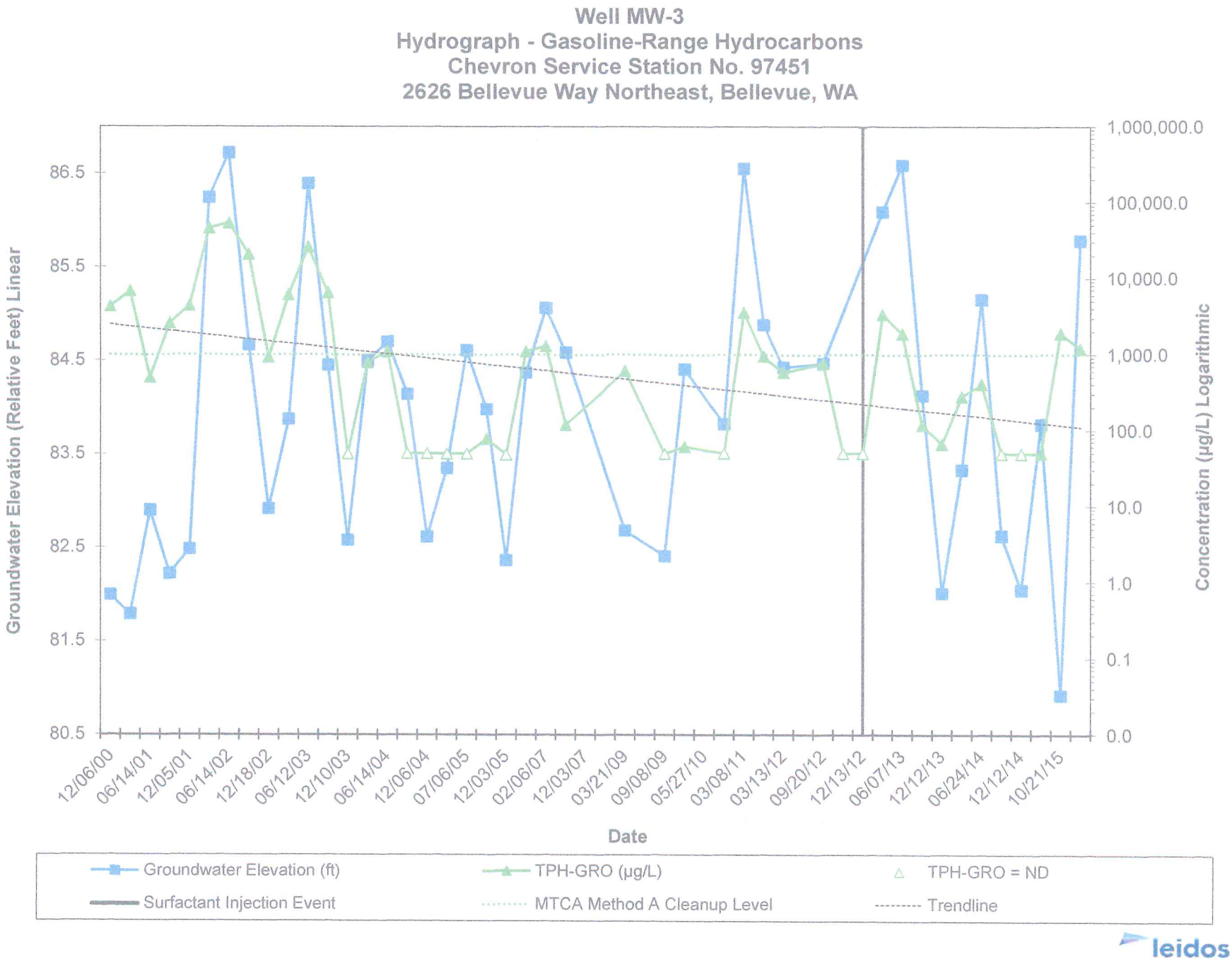
Well MW-3
Hydrograph - Gasoline-Range Hydrocarbons
Chevron Service Station No. 97451
2626 Bellevue Way Northeast, Bellevue, WA
Groundwater Elevation (Relative Feet) Linear
Concentration (µg/L) Logarithmic
86.5
85.5
84.5
83.5
82.5
81.5
80.5
1,000,000.0
100,000.0
10,000.0
1,000.0
100.0
10.0
1.0
0.1
0.0
12/06/00
06/14/01
12/05/01
06/14/02
12/18/02
06/12/03
12/10/03
06/14/04
12/06/04
07/06/05
12/03/05
02/06/07
12/03/07
03/21/09
09/08/09
05/27/10
03/08/11
03/13/12
09/20/12
12/13/12
06/07/13
12/12/13
06/24/14
12/12/14
10/21/15
Date
Groundwater Elevation (ft)
TPH-GRO (µg/L)
TPH-GRO = ND
Surfactant Injection Event
MTCA Method A Cleanup Level
Trendline
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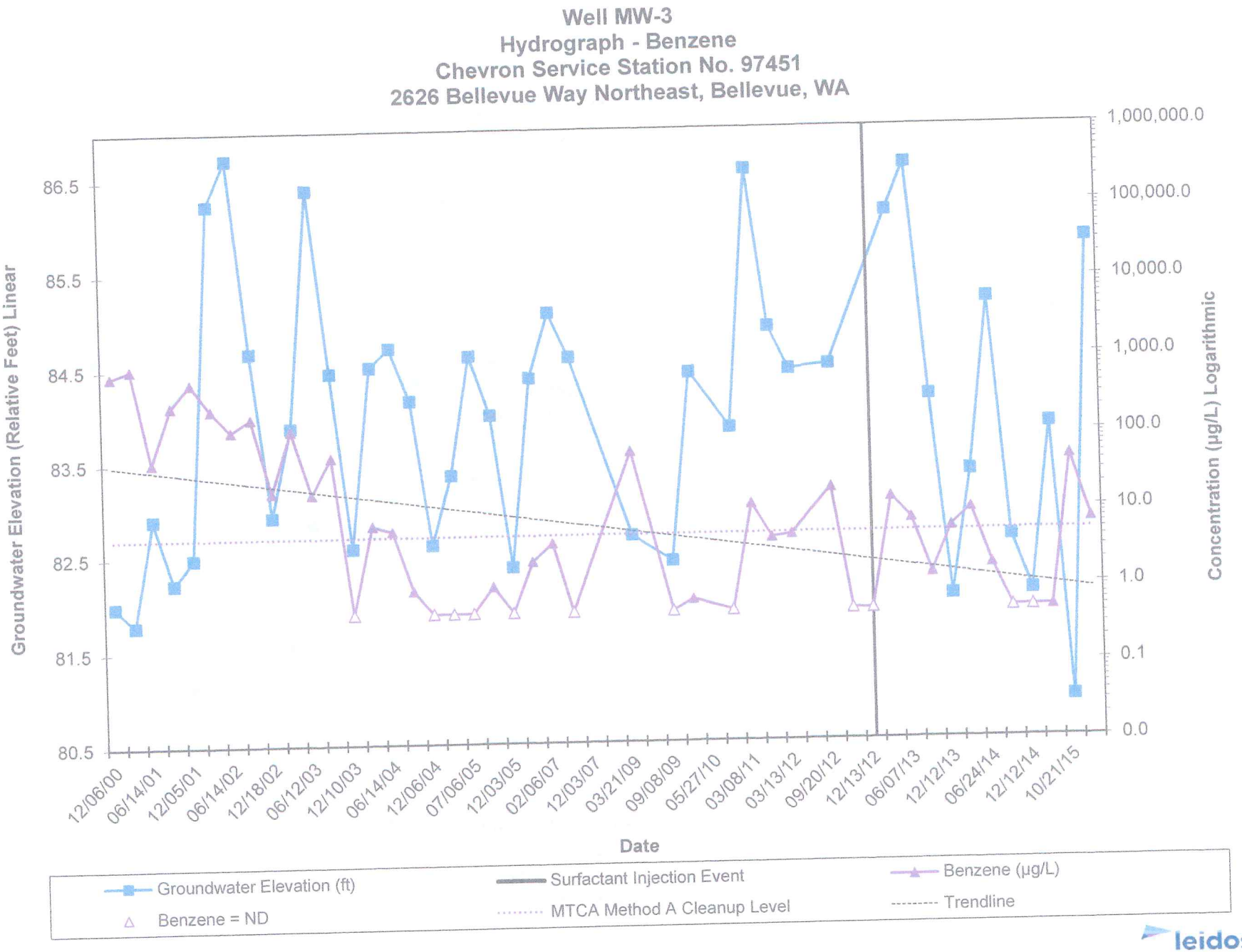
Well MW-3
Hydrograph - Benzene
Chevron Service Station No. 97451
2626 Bellevue Way Northeast, Bellevue, WA
Groundwater Elevation (Relative Feet) Linear
Concentration (µg/L) Logarithmic
86.5
85.5
84.5
83.5
82.5
81.5
80.5
1,000,000.0
100,000.0
10,000.0
1,000.0
100.0
10.0
1.0
0.1
0.0
12/06/00
06/14/01
12/05/01
06/14/02
12/18/02
06/12/03
12/10/03
06/14/04
12/06/04
07/06/05
12/03/05
02/06/07
12/03/07
03/21/09
09/08/09
05/27/10
03/08/11
03/13/12
09/20/12
12/13/12
06/07/13
12/12/13
06/24/14
12/12/14
10/21/15
Date
Groundwater Elevation (ft)
Benzene = ND
Surfactant Injection Event
MTCA Method A Cleanup Level
Benzene (µg/L)
Trendline
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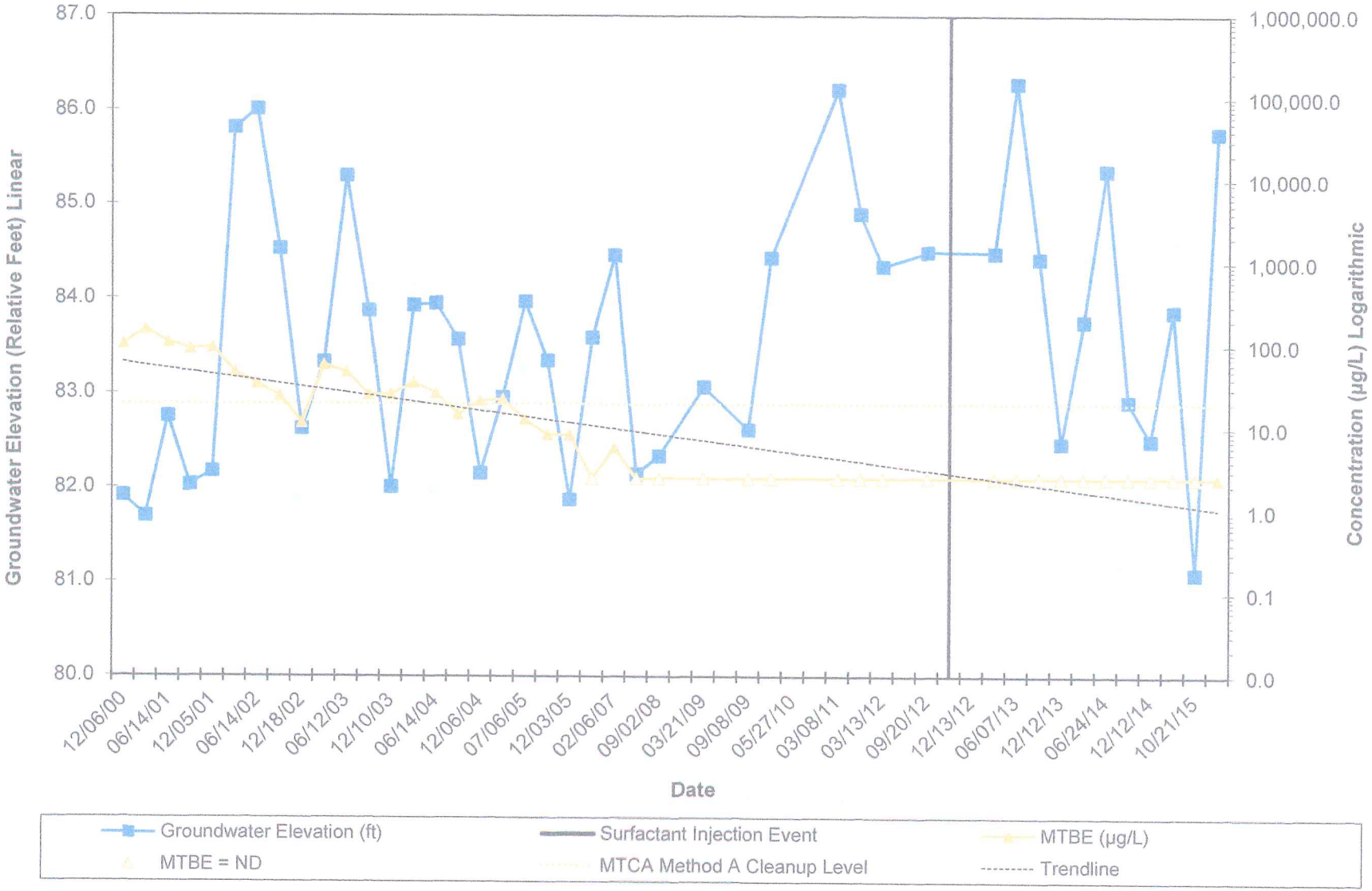
Well MW-4
Hydrograph - MTBE
Chevron Service Station No. 97451
2626 Bellevue Way Northeast, Bellevue, WA



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