March 19, 2019

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 2018 Groundwater Monitoring and Sampling Report**
Chevron Service Station No. 97451
2626 Bellevue Way NE
Bellevue, Washington

Dear Mr. Myers:

Leidos, Inc. (Leidos) on behalf of Chevron Environmental Management Company (CEMC), prepared this letter summarizing the first semi-annual 2018 groundwater monitoring and sampling event at Chevron Service Station No. 97451 (the site) located in Bellevue, Washington (Figure 1).

FIELD ACTIVITIES

The monitoring and sampling event was conducted by Gettler-Ryan, Inc. (Gettler-Ryan) on May 12, 2018. Gettler-Ryan collected depth-to-groundwater measurements and checked for the presence of separate phase hydrocarbons (SPH) in five monitoring wells on site. SPH were observed in monitoring well MW-3.

Groundwater samples were collected from three of the five monitoring wells (monitoring well VE-2 had insufficient water for sample collection) and submitted under chain of custody (COC) procedures to Eurofins Lancaster Laboratories, Inc. in Lancaster, Pennsylvania for the following analyses:

- Total petroleum hydrocarbons (TPH) as gasoline-range organics (TPH-GRO) by Northwest Method NWTPH-Gx;
- TPH as diesel-range organics (TPH-DRO) and TPH as heavy oil-range organics (TPH-HRO) by Northwest Method NWTPH-Dx; and
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) by United States Environmental Protection Agency Method 8021B.

A laboratory-supplied trip blank (QA) was submitted to the laboratory and analyzed for TPH-GRO and BTEX 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.

During this monitoring event, groundwater elevations ranged from 85.75 feet in monitoring well MW-4 to 89.33 feet in monitoring well VE-2 based on an arbitrary benchmark elevation of 100 feet. Groundwater flow was toward the northeast at a gradient of approximately 0.03 to 0.25 feet per foot. A potentiometric map is provided as Figure 2.

SPH were detected at a thickness of approximately 0.02 feet in monitoring well MW-3. The following analytes were detected at concentrations exceeding their respective Model Toxics Control Act (MTCA) Method A cleanup levels in MW-2.

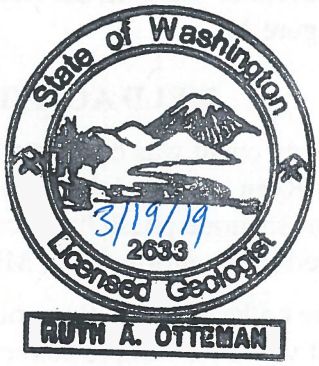
- TPH-DRO;
- TPH-GRO; and
- Benzene, Toluene, Ethylbenzene, and Total Xylenes.

Concentrations of chemicals of concern in monitoring well MW-1 and MW-4 were below the laboratory detection limits.

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, LG #2633
Project Manager

Enclosures:
Figure 1 – Vicinity Map
Figure 2 – Potentiometric 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

cc: Mr. Eric Hetrick – CEMC (electronic copy)
6001 Bollinger Canyon Road, San Ramon, California 94583-5186
Project File

REPORT LIMITATIONS

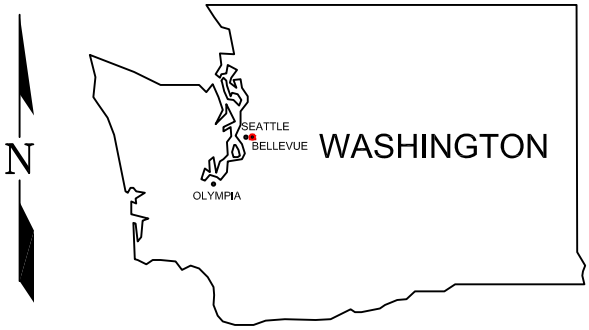
This technical document was prepared on behalf of CEMC and is intended for its sole use and for use by the local, state or federal regulatory agency that the technical document was sent to by Leidos. Any other person or entity obtaining, using, or relying on this technical document hereby acknowledges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

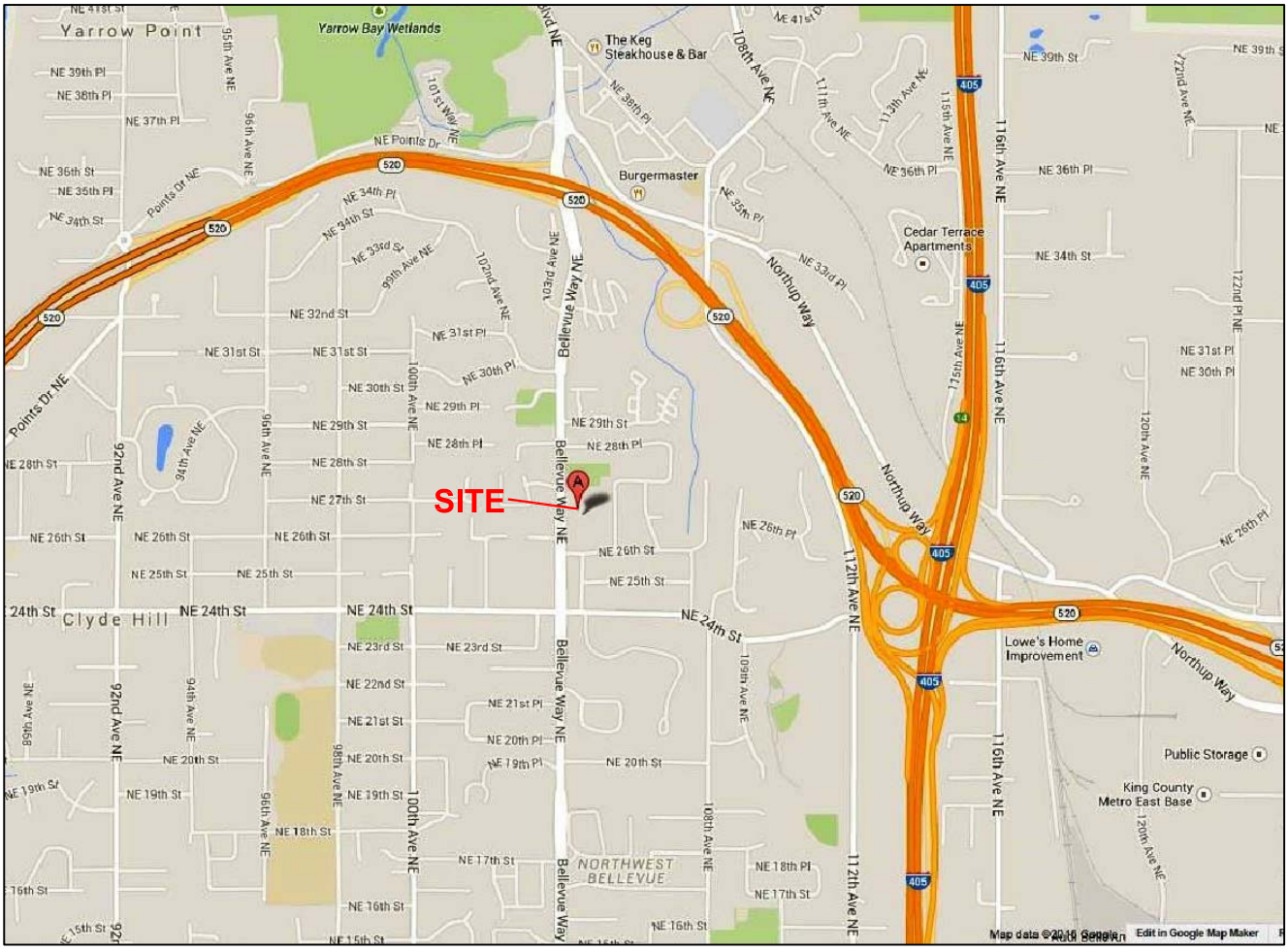
Site history and background information provided in this technical document are based on sources that may include interviews with environmental regulatory agencies and property management personnel and a review of acquired environmental regulatory agency documents and property information obtained from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





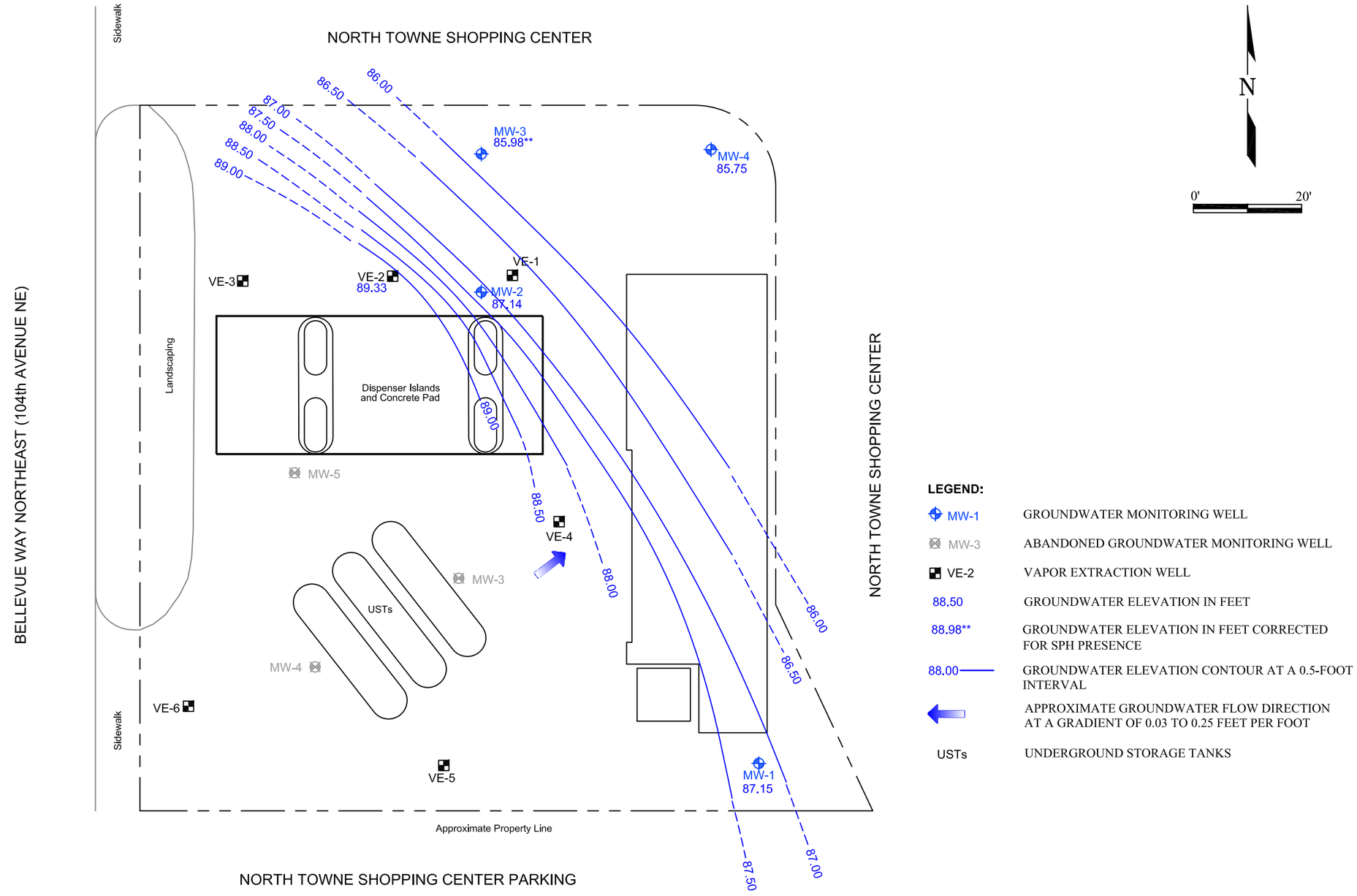
leidos

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



leidos

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

FIGURE 2
Potentiometric Map
May 12, 2018

DATE: 3/5/2018 | 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	--	--	--	--	--	--	--	--	--	--

leidos

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	--	--
10/15/16	97.15	--	13.54	0.00	83.61	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
5/19/17	97.15	--	8.55	0.00	88.60	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
10/19/17	97.15	--	12.54	0.00	84.61	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
5/12/18	97.15	--	10.00	0.00	87.15	<29	<67	<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	--	--	--

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)															
6/22/92	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	--
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	--	--	--	--	--	--	--	--	--	--

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)															
3/4/04	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	--	--	--	--	--	--	--	--	--	--
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				--	--	--	--	--	--

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)															
5/27/10	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				--	--	--	--	--	--
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**	**1700**	**15,000**	<50	--	--
10/15/16	97.77	14.47	14.65	0.18	83.26	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
5/19/17	97.77	8.70	8.72	0.02	89.07	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
10/19/17	97.77	13.91	13.95	0.04	83.85	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--
5/12/18	97.77	0.00	10.63	0.00	87.14	**34,000**	<6,500	**81,000**	**100**	**240**	**1400**	**9,400**	<25	--	--
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	--	--

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)															
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**	--	--
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	--	--

leidos

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)															
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	--	--
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	--	--
10/15/16	97.73	--	15.56	0.00	82.17	<28	<66	<50	0.6	<0.5	<0.5	<1.5	<2.5	--	--
5/19/17	97.73	--	9.26	0.00	88.47	210	<66	**2,000**	**13**	<0.5	0.6	3.5	--	--	--
10/19/17	97.73	--	14.73	0.00	83.00	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
5/12/18	97.73	11.75	11.77	0.02	85.98	NOT SAMPLED DUE TO THE PRESENCE OF SPH									
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**	--	--

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)															
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	--	--
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	--	--
10/15/16	96.85	--	14.49	0.00	82.36	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
5/19/17	96.85	--	9.11	0.00	87.74	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	--	--

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-4 (cont)															
10/19/17	96.85	--	13.75	0.00	83.10	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
5/12/18	96.85	--	11.10	0.00	85.75	**250**	**300**	<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	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--

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-2 (cont.)															
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			--	--	--	--	--	--	--
10/15/16	97.46	--	7.82	0.00	89.64	<30	98	220	<0.5	<0.5	0.70	8.7	<2.5	--	--
5/19/17	97.46	--	6.73	0.00	90.73	<28	<66	<50	0.7	<0.5	<0.5	<0.5	--	--	--
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															

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-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															
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															

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

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 (cont.)															
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	--	--
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	--	--

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)															
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	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
10/15/16	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
5/19/17	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
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	

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]

CHEVRON SERVICE STATION NO. 97451

2626 Bellevue Way Northeast, Bellevue, Washington

Abbreviations:

D. Lead = Dissolved Lead
DTP = Depth to Product
DTW = Depth to Water
(ft.) = Feet
GWE = Groundwater Elevation
MTBE = Methyl Tertiary Butyl Ether
MTCA = Model Toxics Control Act
ND = Not Detected
NP = No Purge
QA = Quality Assurance/Trip Blank
(R) = Re-analysis
SPH = Separate-phase hydrocarbons
SPHT = SPH Thickness
TOC = Top of Casing
T. Lead = Total Lead
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
-- = Not Measured/Not Analyzed
µg/L = Micrograms per liter

Notes:

1 Analytical results in bold font indicate concentrations exceed MTCA Method A cleanup levels.
2 TOC elevations are expressed in feet relative to an arbitrary datum.
3 When SPH is present, GWE has been corrected using the following formula: GWE = [(TOC - DTW) + (SPHT x 0.80)].
4 Laboratory analytical methods for historical data may not be consistent with list of current analytical methods. When necessary, consult original laboratory reports to verify methods used.
5 Analyzed without silica-gel cleanup.
6 Laboratory indicates they did not receive QA.
7 Pre-surfactant injection groundwater sample.
8 Post-surfactant extraction groundwater sample.

Attachment A:
Groundwater Monitoring and Sampling Data Package

GETTLER-RYAN INC.

TRANSMITTAL

May 22, 2018
G-R #17156678

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

FROM: Deanna L. Harding
Project Manager
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 **First Semi Annual Event of May 12, 2018**

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: 5/12/18
Address:	**2626 Bellevue Way NE**
City/St.:	**Bellevue, WA**
Status of Site:	Active 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
		NO	DRUMS		

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	N	N	Penco /8"/2	
MW-2	↓	↓	↓	↓	Universal /12"/2	
MW-3					Morris /8"/3	
MW-4					↓	
VE-2	↓	↓	↓	↓	Bmco/12"/2	

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. Total well depths are measured annually.

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
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-7451 | Job Number: 17156678
Site Address: 2626 Bellevue Way NE | Event Date: 5-12-18 (inclusive)
City: Bellevue, WA | Sampler: AW

Well ID: MW-1 | Date Monitored: 5-12-18
Well Diameter: 2 in.
Total Depth: 24.90 ft.
Depth to Water: 10.00 ft.

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

☐ Check if water column is less then 0.50 ft.

14.90 xVF ____ = ____ x3 case volume = Estimated Purge Volume: ____ gal.

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

Purge Equipment:		Sampling Equipment:	
Disposable Bailer		Disposable Bailer	
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: ____ 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): 1400 | Weather Conditions: Sunny
Sample Time/Date: 1440 / 5-12-18 | Water Color: Clear | Odor: Y / (N)
Approx. Flow Rate: 200 mlpm | Sediment Description: Clear
Did well de-water? N | If yes, Time: — | Volume: — ltrs | DTW @ Sampling: 10.16

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS) mS µmhos/cm	Temperature (C) / F	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1418	3.6	7.14	382	16.5			10.05
1421	4.2	7.17	385	16.6			10.11
1424	4.8	7.18	389	16.6			10.16

LABORATORY INFORMATION

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

COMMENTS: Depth Pump Set At: ~ 12.0 ft.

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-7451 | Job Number: 17156678
Site Address: 2626 Bellevue Way NE | Event Date: 5-12-18 (inclusive)
City: Bellevue, WA | Sampler: MW

Well ID: MW-2 | Date Monitored: 5-12-18
Well Diameter: 2 in.
Total Depth: 19.51 ft.
Depth to Water: 10.63 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.

8.88 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: ___ 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): 1540 | Weather Conditions: Sunny
Sample Time/Date: 1620 / 5-12-18 | Water Color: Clear | Odor: (Y) N / strong
Approx. Flow Rate: 200 mlpm | Sediment Description: Clear
Did well de-water? N | If yes, Time: ___ | Volume: ___ ltrs | DTW @ Sampling: 10.75

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS) mS µmhos/cm)	Temperature (C) F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1558	3.6	7.24	548	17.2			10.66
1601	4.2	7.30	555	17.3			10.71
1604	4.4	7.31	556	17.3			10.75

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

COMMENTS: Depth Pump Set At: ~12.5 ft.

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-7451 | Job Number: 17156678
Site Address: 2626 Bellevue Way NE | Event Date: 5-12-18 (inclusive)
City: Bellevue, WA | Sampler: AW

Well ID: mw-3 | Date Monitored: 5-12-18
Well Diameter: 2 in.
Total Depth: 19.28 ft.
Depth to Water: 11.77 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.

7.51 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: 11.75 ft
Depth to Water: 11.77 ft
Hydrocarbon Thickness: 0.02 ft
Visual Confirmation/Description: Light brown
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: _____ mlpm Sediment Description: _____
Did well de-water? _____ If yes, Time: _____ Volume: _____ ltrs DTW @ Sampling: _____

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

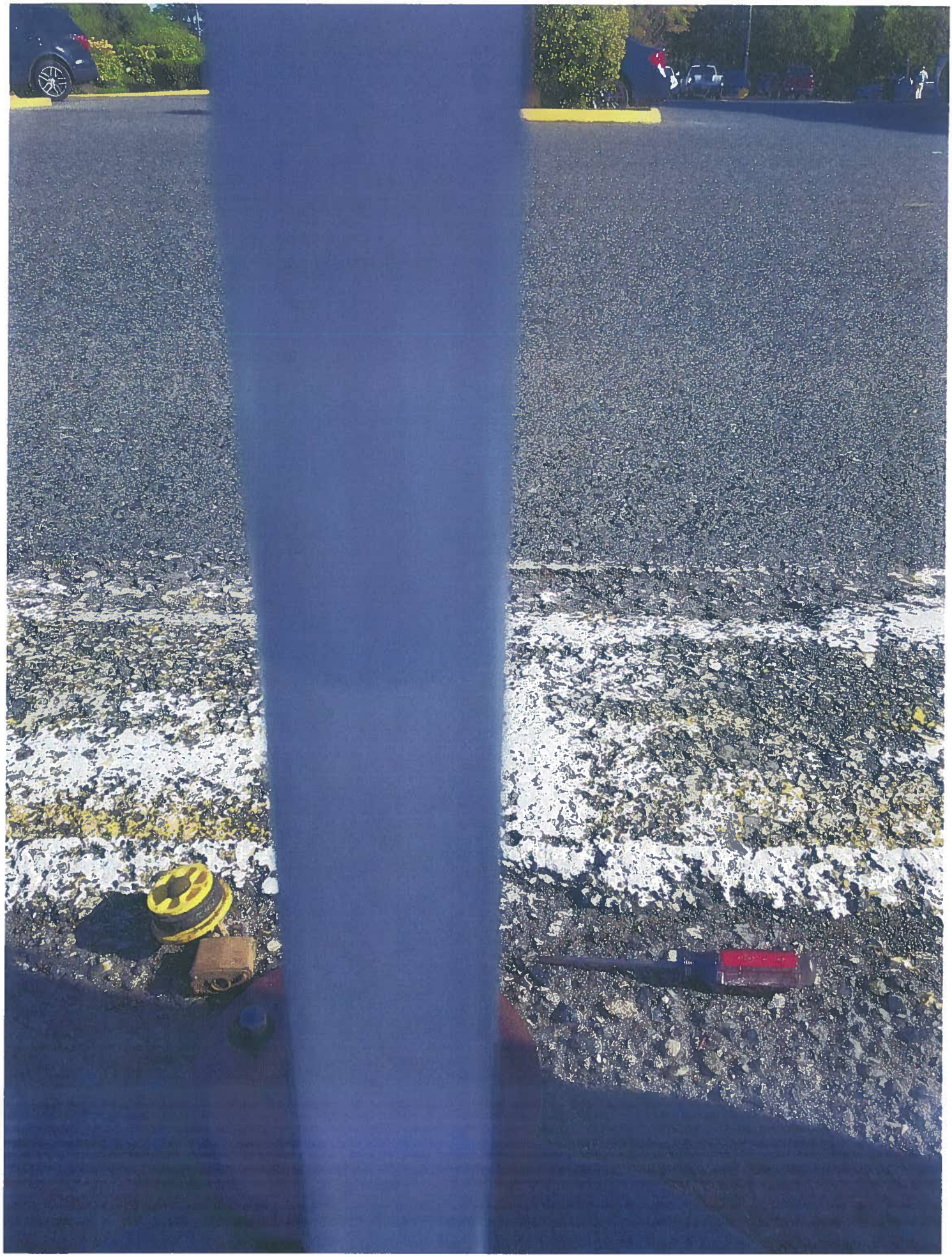
LABORATORY INFORMATION

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

COMMENTS: Depth Pump Set At: N/A SPH No sample taken.

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

9-7451, Bellevue MW-3 Product Verification 05-12-18



9-7451, Bellevue MW-3 Product Verification 05-12-18

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-7451 | Job Number: 17156678
Site Address: 2626 Bellevue Way NE | Event Date: 5-12-18 (inclusive)
City: Bellevue, WA | Sampler: AN

Well ID: MW-4 | Date Monitored: 5-12-18
Well Diameter: 2 in.
Total Depth: 18.65 ft.
Depth to Water: 11.10 ft.

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

☐ Check if water column is less then 0.50 ft.

7.55 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: 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): 1450 | Weather Conditions: Sunny
Sample Time/Date: 1530 / 5-12-18 | Water Color: Cloudy | Odor: Y / (N)
Approx. Flow Rate: 200 mlpm | Sediment Description: Cloudy
Did well de-water? N | If yes, Time: — | Volume: — ltrs | DTW @ Sampling: 11.23

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS) mS µmhos/cm	Temperature (C) / F	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1508	3.6	7.22	439	16.4	/	/	11.16
1511	4.2	7.24	444	16.5			11.20
1514	4.8	7.25	445	16.5			11.23

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

COMMENTS: Depth Pump Set At: ~13.5ft.

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: **Chevron #9-7451** Job Number: **17156678**

Site Address: **2626 Bellevue Way NE** Event Date: 5-12-18 (inclusive)

City: **Bellevue, WA** Sampler: AW

Well ID VE-2 Date Monitored: 5-12-18

Well Diameter 2 in.

Total Depth 9.70 ft.

Depth to Water 9.13 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.

0.57 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: _____ 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: _____ mlpm Sediment Description: _____

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

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS umhos/cm)	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

COMMENTS: Depth Pump Set At: N/A Insufficient H2O - No sample

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#17156678 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 Alex Wong

2 Sample Identification

Sample Identification	Collected Date	Collected Time	3 Grab	3 Composite	4 Matrix: Soil	Water	Oil	Total Number of Containers	5 Analyses Requested: 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
GA	180512		X			X		2	X			X					
MW-1	180512	1440	X			X		5	X			X		X			
MW-2	180512	1620	X			X		5	X			X		X			
MW-4	180512	1530	X			X		5	X			X		X			

Matrix: Soil ☐ Sediment ☐ | Water ☒ Ground ☐ Potable ☐ NPDES ☐ Surface | Oil ☐ Air ☐
BTEX + MTBE ☐ Naphth ☒ 8021 ☐ 8260 | Lead ☐ Total ☐ Diss. ☐ Method

- ☐ 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: _____

Relinquished by	Date	Time	Received by	Date	Time
	180514	0800			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by Commercial Carrier: UPS X FedEx ____ Other ____			Received by	Date	Time
Temperature Upon Receipt _____ °C			Custody Seals Intact? Yes No		

9

Attachment B:
Laboratory Analysis Report

eurofins | Lancaster Laboratories Environmental

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-6766 • www.EurofinsUS.com/LancLabsEnv

ANALYSIS REPORT

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 30, 2018 18:21

Project: 97451

Account #: 11260
Group Number: 1943309
PO Number: 0015274511
Release Number: HORNE
State of Sample Origin: WA

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

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

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-6766 • www.EurofinsUS.com/LancLabsEnv

SAMPLE INFORMATION

Client Sample Description	Sample Collection Date/Time	ELLE#
QA-T-180512 NA Water	05/12/2018	9608913
MW-1-W-180512 Grab Groundwater	05/12/2018 14:40	9608914
MW-2-W-180512 Grab Groundwater	05/12/2018 16:20	9608915
MW-4-W-180512 Grab Groundwater	05/12/2018 15:30	9608916

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

Sample Description: **QA-T-180512 NA Water**
Facility# 97451 Job# 17156678
2626 Bellevue Way NE - Bellevue, WA

Project Name: **97451**

Submittal Date/Time: 05/15/2018 09:25
Collection Date/Time: 05/12/2018

Chevron
ELLE Sample #: WW 9608913
ELLE Group #: 1943309
Matrix: Water

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	18136A94A	05/17/2018 15:36	Jeremy C Giffin	1
02102	Method 8021 Water Master	SW-846 8021B	1	18136A94A	05/17/2018 15:36	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	18136A94A	05/17/2018 15:36	Jeremy C Giffin	1

Sample Description: **MW-1-W-180512 Grab Groundwater**
Facility# 97451 Job# 17156678
2626 Bellevue Way NE - Bellevue, WA

Project Name: **97451**

Submittal Date/Time: 05/15/2018 09:25
Collection Date/Time: 05/12/2018 14:40

Chevron
ELLE Sample #: WW 9608914
ELLE Group #: 1943309
Matrix: Groundwater

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	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	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	18136A94A	05/17/2018 16:52	Jeremy C Giffin	1
02102	Method 8021 Water Master	SW-846 8021B	1	18136A94A	05/17/2018 16:52	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	18136A94A	05/17/2018 16:52	Jeremy C Giffin	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	181440015A	05/29/2018 11:55	Thomas C Wildermuth	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	2	181440015A	05/24/2018 13:40	Christine E Gleim	1

Sample Description: **MW-2-W-180512 Grab Groundwater**
Facility# 97451 Job# 17156678
2626 Bellevue Way NE - Bellevue, WA

Project Name: **97451**

Submittal Date/Time: 05/15/2018 09:25
Collection Date/Time: 05/12/2018 16:20

Chevron
ELLE Sample #: WW 9608915
ELLE Group #: 1943309
Matrix: Groundwater

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.	81,000	2,500	50
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	100	5.0	10
02102	Ethylbenzene	100-41-4	1,400	5.0	10
02102	Methyl tert-Butyl Ether	1634-04-4	N.D.	25	10
02102	Toluene	108-88-3	240	5.0	10
02102	Total Xylenes	1330-20-7	9,400	15	10
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	34,000	2,800	100
08271	Heavy Range Organics C24-C40	n.a.	N.D.	6,500	100

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	18138B94A	05/21/2018 23:03	Marie D Beamenderfer	50
02102	Method 8021 Water Master	SW-846 8021B	1	18136A94A	05/17/2018 19:52	Jeremy C Giffin	10
01146	GC VOA Water Prep	SW-846 5030B	1	18136A94A	05/17/2018 19:52	Jeremy C Giffin	10
01146	GC VOA Water Prep	SW-846 5030B	2	18138B94A	05/21/2018 23:03	Marie D Beamenderfer	50
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	181440015A	05/29/2018 12:39	Thomas C Wildermuth	100
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	2	181440015A	05/24/2018 13:40	Christine E Gleim	1

Sample Description: **MW-4-W-180512 Grab Groundwater**
Facility# 97451 Job# 17156678
2626 Bellevue Way NE - Bellevue, WA

Project Name: **97451**

Submittal Date/Time: 05/15/2018 09:25
Collection Date/Time: 05/12/2018 15:30

Chevron
ELLE Sample #: WW 9608916
ELLE Group #: 1943309
Matrix: Groundwater

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	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	250	28	1
08271	Heavy Range Organics C24-C40	n.a.	300	66	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	18136A94A	05/17/2018 18:35	Jeremy C Giffin	1
02102	Method 8021 Water Master	SW-846 8021B	1	18136A94A	05/17/2018 18:35	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	18136A94A	05/17/2018 18:35	Jeremy C Giffin	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	181440015A	05/29/2018 12:17	Thomas C Wildermuth	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	2	181440015A	05/24/2018 13:40	Christine E Gleim	1

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-6766 • www.EurofinsUS.com/LancLabsEnv

Quality Control Summary

Client Name: Chevron
Reported: 05/30/2018 18:21

Group Number: 1943309

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	MDL
	ug/l	ug/l
Batch number: 18136A94A	Sample number(s): 9608913-9608916	
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: 18138B94A	Sample number(s): 9608915	
NWTPH-Gx water C7-C12	N.D.	50
Batch number: 181440015A	Sample number(s): 9608914-9608916	
Diesel Range Organics C12-C24	N.D.	30
Heavy Range Organics C24-C40	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: 18136A94A	Sample number(s): 9608913-9608916								
Benzene	20	20.42	20	20.5	102	102	80-120	0	30
Ethylbenzene	20.1	19.36	20.1	19.32	96	96	80-120	0	30
Methyl tert-Butyl Ether	20.1	21.27	20.1	20.75	106	103	80-124	2	30
NWTPH-Gx water C7-C12	1100	1293.95	1100	1297.45	118	118	80-120	0	30
Toluene	20.1	19.7	20.1	19.7	98	98	80-120	0	30
Total Xylenes	60.2	59.15	60.2	59.71	98	99	80-120	1	30
Batch number: 18138B94A	Sample number(s): 9608915								
NWTPH-Gx water C7-C12	1100	1288.23	1100	1267.46	117	115	80-120	2	30
	ug/l	ug/l	ug/l	ug/l					
Batch number: 181440015A	Sample number(s): 9608914-9608916								
Diesel Range Organics C12-C24	1600	1180.16	1600	1203.86	74	75	50-113	2	20

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
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: 05/30/2018 18:21

Group Number: 1943309

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: 18136A94A

	Trifluorotoluene-P	Trifluorotoluene-F
9608913	83	78
9608914	83	80
9608916	83	79
Blank	83	79
LCS	81	93
LCSD	81	96
Limits:	51-120	50-150

	Trifluorotoluene-P
9608915	84
Limits:	51-120

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 18138B94A

	Trifluorotoluene-F
9608915	80
Blank	83
LCS	95
LCSD	91
Limits:	50-150

Analysis Name: NWTPH-Dx water
Batch number: 181440015A

	Orthoterphenyl
9608914	98
9608915	187*
9608916	67
Blank	95
LCS	101
LCSD	101
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

For Eurofins Lancaster Laboratories use only
Acct. # 11260 Group # 1943309 Sample # 9608913-16
Instructions on reverse side correspond with circled numbers.

SCR #: ______

1 Client Information

Facility # SS#9-7451-OML G-R#17156678 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 Alex Wong

4 Matrix: Sediment ☐ Ground ☒ Surface ☐ / Soil ☐ Potable ☐ NPDES ☐ Oil ☐ Air ☐ Water

5 Analyses Requested: 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

2 Sample Identification	Collected Date	Collected Time	3 Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE	8260 full scan	Oxygenates	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	Lead
QA	180512	—	X			X		2	X			X				
MW-1	180512	1440	X			X		5	X			X		X		
MW-2	180512	1620	X			X		5	X			X		X		
MW-4	180512	1530	X			X		5	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

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
72 hour 48 hour 24 hour
EDF/EDD

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]	180514	0800			

Relinquished by Commercial Carrier: UPS X FedEx ______ Other ______

Received by [signature] Date 5/15/18 Time 0925

Temperature Upon Receipt 0.9-2.8 °C

Custody Seals Intact? (Yes) No

Eurofins Lancaster Laboratories, Inc. • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300
The white copy should accompany samples to Eurofins Lancaster Laboratories. The yellow copy should be retained by the client.

Issued by Dept. 40 Management
7051.03

Client: Chevron Northwest Region

SS#9-7451-OML

Delivery and Receipt Information

Delivery Method:	UPS	Arrival Timestamp:	05/15/2018 9:25
Number of Packages:	5	Number of Projects:	4
State/Province of Origin:	WA		

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:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	1
Paperwork Enclosed:	Yes	Trip Blank Type:	HCl
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Raysa Perez (14020) at 10:33 on 05/15/2018

Samples Chilled Details: SS#9-7451-OML

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	DT131	2.8	DT	Wet	Y	Bagged	N
2	DT131	1.7	DT	Wet	Y	Bagged	N
3	DT131	2.3	DT	Wet	Y	Bagged	N
4	DT131	1.4	DT	Wet	Y	Bagged	N
5	DT131	0.9	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17605-2425

T : 717-656-2300
F : 717-656-2681
www.LancasterLabs.cor

Explanation of Symbols and Abbreviations

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

BMQL	Below Minimum Quantitation Level	**mg**	milligram(s)
C	degrees Celsius	**mL**	milliliter(s)
cfu	colony forming units	**MPN**	Most Probable Number
CP Units	cobalt-chloroplatinate units	**N.D.**	non-detect
F	degrees Fahrenheit	**ng**	nanogram(s)
g	gram(s)	**NTU**	nephelometric turbidity units
IU	International Units	**pg/L**	picogram/liter
kg	kilogram(s)	**RL**	Reporting Limit
L	liter(s)	**TNTC**	Too Numerous To Count
lb.	pound(s)	**µg**	microgram(s)
m3	cubic meter(s)	**µL**	microliter(s)
meq	milliequivalents	**umhos/cm**	micromhos/cm

<	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.

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.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

eurofins | Lancaster Laboratories Environmental

Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is ND
K2	Continuing Calibration Blank is above the QC limit and the sample result is ND
K3	Initial Calibration Verification is above the QC limit and the sample result is ND
K4	Continuing Calibration Verification is above the QC limit and the sample result is ND
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.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

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.