

4117 #6350 STARVIN JAMES MIMI MATH BELLINGHAM WASH 471 451

March 25, 2014



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MAR 28 2014  
DEPT. OF ECOLOGY

Ms. Donna Musa  
Washington State Department of Ecology  
Toxic Cleanup Program  
3190 160<sup>th</sup> Avenue SE  
Bellevue, Washington 98008

*Subject:* **First Quarter 2014 Groundwater Monitoring and Sampling Report  
76 Products Facility No. 351448  
200 South 36<sup>th</sup> Street  
Bellingham, Washington  
Washington State Department of Ecology Facility No. 11191596**

Dear Ms. Musa:

On behalf of Chevron Environmental Management Company's affiliate, Union Oil Company of California (Union Oil), Leidos Engineering, LLC (Leidos; formerly SAIC Energy, Environment & Infrastructure, LLC) submits this Groundwater Monitoring and Sampling Report for the above-referenced site (Figure 1). Quarterly groundwater monitoring and sampling activities were conducted by Blaine Tech Services, Inc. (Blaine Tech) on February 13, 2014. The Blaine Tech groundwater monitoring and sampling package is provided as Attachment A.

**FIELD ACTIVITIES**

During this event, the depth to groundwater was measured in wells MW-1 through MW-8. The groundwater elevation ranged from 188.96 (MW-4) to 191.12 (MW-6) feet above mean sea level. Groundwater flow is to the northwest at a gradient of approximately 0.07 feet per foot; however, a southerly gradient exists in the southeast portion of the property with a gradient of approximately 0.03 feet per foot. A potentiometric map is shown on Figure 1.

Groundwater samples were collected from all of the monitoring wells and shipped under chain-of-custody protocol to Eurofins Lancaster Laboratories, Inc. in Lancaster, Pennsylvania.

Groundwater samples were submitted for the following analyses:

- Total petroleum hydrocarbons (TPH) as gasoline-range organics by Northwest Method NWTPH-Gx;
- TPH as diesel-range organics (TPH-D) and TPH as heavy oil-range organics by Northwest Method NWTPH-Dx; and

- Benzene, toluene, ethylbenzene, total xylenes, and ethanol by United States Environmental Protection Agency (USEPA) Method 8260B.

Laboratory analytical results are included as Attachment B, and groundwater analytical results are provided in Table 1 and shown on Figure 2. In addition, hydrographs for wells MW-1, MW-7, and MW-8 are included as Attachment C.

## RESULTS

The results of the first quarter 2014 sampling event indicate that petroleum-hydrocarbon constituent concentrations are generally consistent with respect to historical data and trending downward. In addition, the groundwater elevation, flow direction, and gradient are consistent with historical measurements. Below is a summary of analytical results.


- TPH-D was detected at a concentration in monitoring well MW-7 that exceeded the Model Toxics Control Act (MTCA) Method A cleanup level.
- Remaining analytes for all other wells were below their respective MTCA Method A cleanup levels or laboratory reporting limits.


Blaine Tech will continue to perform groundwater monitoring and sampling on a quarterly basis.

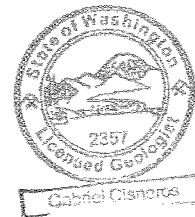
If you have any questions or comments, please contact me at (208) 429-3772 or via email at [ronald.santos@leidos.com](mailto:ronald.santos@leidos.com).

Sincerely,

**Leidos Engineering, LLC**

  
\_\_\_\_\_  
Ron Santos, PE  
Senior Project Engineer

  
\_\_\_\_\_  
Gabriel Cisneros LG #2357  
Geologist



Enclosures:

Figure 1 – Potentiometric Map

Figure 2 – Site Plan with Groundwater Analytical Results

Table 1 – Groundwater Monitoring Data and Analytical Results

Attachment A – Groundwater Monitoring and Sampling Data Package

Attachment B – Laboratory Analysis Report

Attachment C – Hydrographs

cc: Mr. J. Mark Inglis – Union Oil  
SYB Holding Company Inc. – Property Owner  
Mr. Sam Boulos – Keith Oil Company (electronic copy)  
Project File

## **REPORT LIMITATIONS**

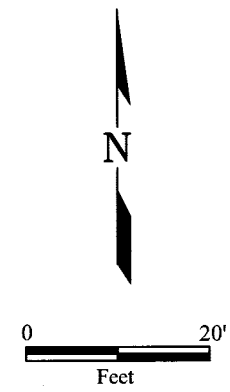
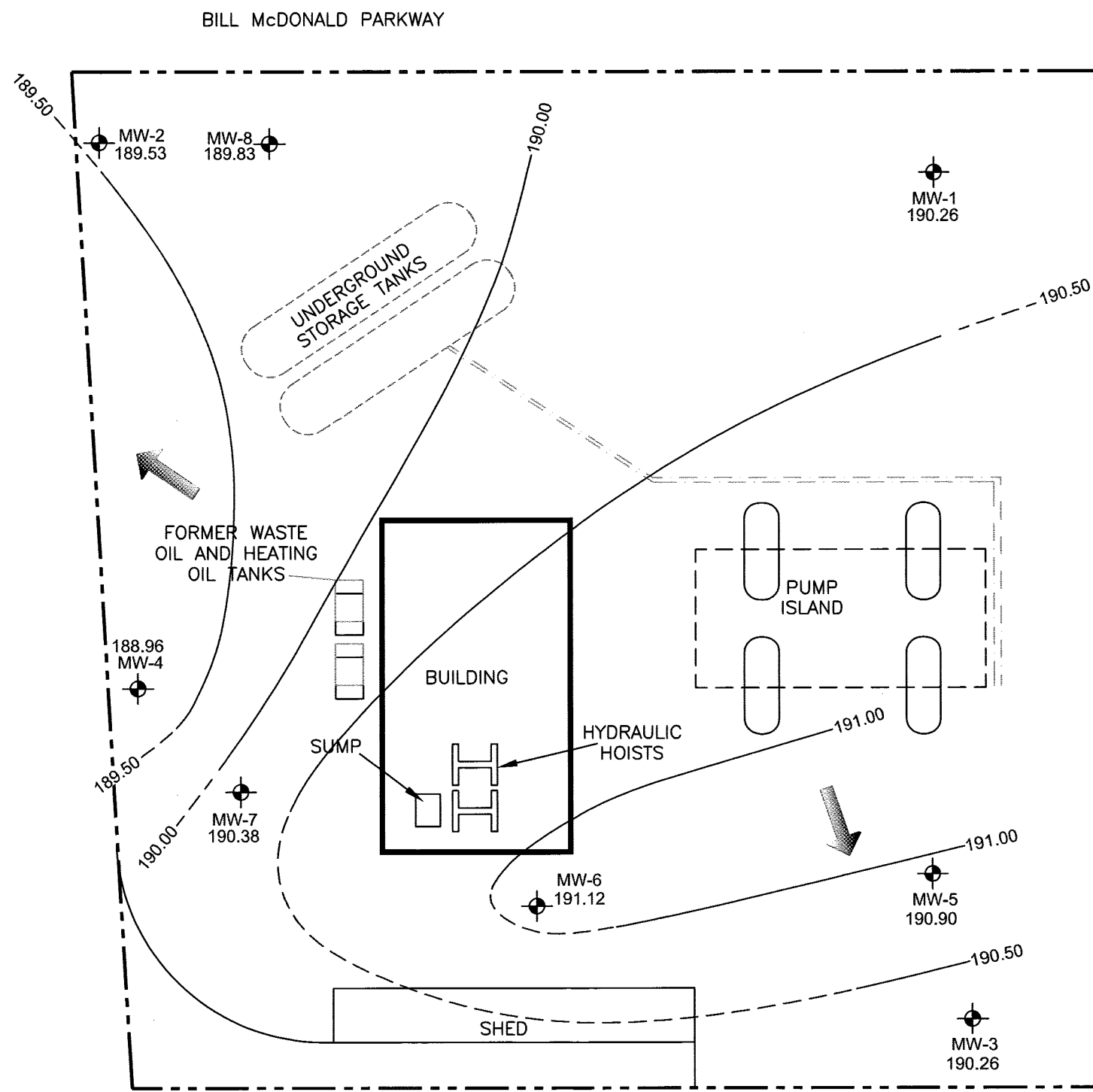
This technical document was prepared on behalf of CEMC and is intended for its sole use and for use by the local, state or federal regulatory agency that the technical document was sent to by Leidos. Any other person or entity obtaining, using, or relying on this technical document hereby acknowledges that they do so at their own risk, and that 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.



- LEGEND**
- MW-1 MONITORING WELL LOCATION
  - - - - - SITE BOUNDARY
  - (190.26) GROUNDWATER ELEVATION IN FEET
  - 190.50 ——— GROUNDWATER ELEVATION CONTOUR AT A 0.50 INTERVAL (DASHED WHERE INFERRED)
  - APPROXIMATE GROUNDWATER FLOW DIRECTION
  - GROUNDWATER GRADIENT:  
NORTHWESTERLY COMPONENT=0.07 FT/FT  
SOUTHERLY COMPONENT=0.03 FT/FT



NOTE: Features were adapted from a Stantec Corporation figure, *Site Map with Analytical Results (June 4, 2010)*, dated June 17, 2010.

76 Products Facility No. 351448  
200 South 36th Street  
Bellingham, Washington

**FIGURE 1**  
**Potentiometric Map**  
**February 13, 2014**

DATE: 2/27/2014 DRAWING: 351448 Site Map.dwg

MW-8	5/20/13	8/8/13	11/13/13	2/13/14
TPH-G	85	<50	<50	<50
TPH-D	<29	<29	41	<31
TPH-O	<68	<67	<72	<73
B	6	3	0.8	0.5
T	<0.5	<0.5	<0.5	<0.5
E	<0.5	<0.5	<0.5	<0.5
X	<0.5	<0.5	<0.5	<0.5

MW-2	5/20/13	8/8/13	11/13/13	2/13/14
TPH-G	<50	<50	<50	<50
TPH-D	<31	<28	<30	<32
TPH-O	<72	<66	<70	<74
B	<0.5	<0.5	<0.5	<0.5
T	<0.5	<0.5	<0.5	<0.5
E	<0.5	<0.5	<0.5	<0.5
X	<0.5	<0.5	<0.5	<0.5

MW-4	5/20/13	8/8/13	11/13/13	2/13/14
TPH-G	<50	<50	<50	<50
TPH-D	<28	40	<31	<32
TPH-O	<66	<67	<73	<75
B	<0.5	<0.5	<0.5	<0.5
T	<0.5	<0.5	<0.5	<0.5
E	<0.5	<0.5	<0.5	<0.5
X	<0.5	<0.5	<0.5	<0.5

MW-7	5/20/13	8/8/13	11/13/13	2/13/14
TPH-G	340	140	130	290
TPH-D	<b>640</b>	<b>810</b>	<b>750</b>	<b>680</b>
TPH-O	87	250	220	130
B	<0.5	<0.5	<0.5	<0.5
T	<0.5	<0.5	<0.5	<0.5
E	<0.5	<0.5	<0.5	<0.5
X	<0.5	<0.5	<0.5	<0.5

MW-6	5/20/13	8/8/13	11/13/13	2/13/14
TPH-G	<50	<50	<50	<50
TPH-D	<29	<28	55	65
TPH-O	<67	<66	<71	<73
B	<0.5	<0.5	<0.5	<0.5
T	<0.5	<0.5	<0.5	<0.5
E	<0.5	<0.5	<0.5	<0.5
X	<0.5	<0.5	<0.5	<0.5

MW-5	5/20/13	8/8/13	11/13/13	2/13/14
TPH-G	<50	<50	<50	<50
TPH-D	47	46	220	120
TPH-O	<67	<67	250	140
B	<0.5	<0.5	<0.5	<0.5
T	<0.5	<0.5	<0.5	<0.5
E	<0.5	<0.5	<0.5	<0.5
X	<0.5	<0.5	<0.5	<0.5

MW-3	5/20/13	8/8/13	11/13/13	2/13/14
TPH-G	<50	<50	<50	<50
TPH-D	87	42	54	110
TPH-O	120	<67	<73	<73
B	<0.5	<0.5	<0.5	<0.5
T	<0.5	<0.5	<0.5	<0.5
E	<0.5	<0.5	<0.5	<0.5
X	<0.5	<0.5	<0.5	<0.5

BILL McDONALD PARKWAY

UNDERGROUND STORAGE TANKS

FORMER WASTE OIL AND HEATING OIL TANKS

BUILDING

PUMP ISLAND



SUMP

HYDRAULIC HOISTS

SHED

SOUTH SAMISH WAY

**LEGEND**

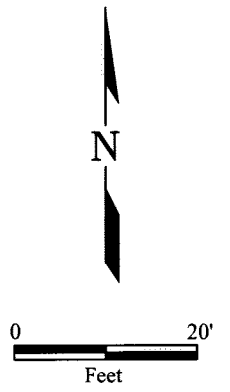
-  MONITORING WELL LOCATION
-  SITE BOUNDARY

**ANALYTES**

WELL ID	DATE
TPH-G	GASOLINE-RANGE HYDROCARBONS
TPH-D	DIESEL-RANGE HYDROCARBONS
TPH-O	HEAVY OIL-RANGE HYDROCARBONS
B	BENZENE
T	TOLUENE
E	ETHYLBENZENE
X	TOTAL XYLENES

UNITS IN MICROGRAMS PER LITER (µg/L)

- BOLD** VALUES EQUAL OR EXCEED MTCA METHOD A CLEANUP LEVELS.
- < LESS THAN LABORATORY REPORTING LIMIT



NOTE: Features were adapted from a Stantec Corporation figure, Site Map with Analytical Results (June 4, 2010), dated June 17, 2010.

76 Products Facility No. 351448  
200 South 36th Street  
Bellingham, Washington

**FIGURE 2**  
Site Plan with Groundwater Analytical Results (February 13, 2014)

**TABLE 1**  
**GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS**  
**76 PRODUCTS FACILITY NO. 351448**  
**200 South 36th Street, Bellingham, Washington**  
Concentrations reported in µg/L

Well ID/ TOC Elevation (ft)	Sample Date	Depth to Water (ft)	LPH (ft)	GW Elevation (ft)	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	EDC	EDB	Total Lead	Dissolved Lead	Ethanol			
MW-1 98.49	03/11/99	4.96	--	93.53	<50	<250	<750 <sup>c</sup>	<0.500	<0.500	<0.500	<1.00	--	--	--	2.41	--	--			
	05/25/99	5.33	--	93.16	<50	<250	<750 <sup>c</sup>	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--			
	08/12/99	6.66	--	91.83	<50	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--			
	12/07/99	6.10	--	92.39	<50	<250	<750 <sup>c</sup>	<0.500	<0.500	<0.500	<1.00	--	--	--	6.18	--	--			
	02/10/00	6.10	--	92.39	<50	<250	<750 <sup>c</sup>	<0.500	<0.500	<0.500	<1.00	--	--	--	1.75	--	--			
	02/02/01	5.17	--	93.32	<50	<b>588</b>	<750 <sup>c</sup>	<b>12.4</b>	1.02	1.10	2.77	--	--	--	--	<1.00	--			
	02/08/02	5.77	--	92.72	<b>838</b>	<b>1,600</b>	<500	<b>128</b>	2.15	85.4	6.55	--	--	--	7.70	<1.00	--			
	09/20/02	6.27	--	92.22	197	<b>1,320</b>	<588 <sup>c</sup>	1.82	<0.500	33.0	<1.00	--	--	--	<1.00	--	--			
	12/04/02	7.05	--	91.44	373	<b>511</b>	<568 <sup>c</sup>	<b>106</b>	1.32	1.39	5.41	--	--	--	4.65	--	--			
	03/05/03	5.70	--	92.79	168	<250	<500	<b>28.3</b>	1.70	3.55	5.87	--	--	--	4.90	--	--			
	06/10/03	5.92	--	92.57	400	<250	<500	<b>36.9</b>	2.43	30.5	6.97	--	--	--	<b>17.1</b>	--	--			
	09/03/03	6.30	--	92.19	258	301	<588 <sup>c</sup>	1.91	3.22	4.30	5.25	--	--	--	8.72	--	--			
	12/12/03	5.53	--	92.960	204	<b>700</b>	304	2.45	<0.500	<0.500	<1.500	--	--	--	<5.0	--	--			
	03/24/04	6.11	--	92.38	163	<126	<251	<b>12.6</b>	<1.00	<1.00	<3.00	--	--	--	14.6	--	--			
	06/17/04	5.10	--	93.39	<50	<118	<237	4.98	<0.500	<0.500	<1.50	--	--	--	--	<10.0	--			
	09/23/04	5.28	--	93.21	190	<267	<535 <sup>c</sup>	<0.50	<0.50	<0.50	<1.0	--	--	--	<10.0	--	--			
	12/29/04	5.42	--	93.07	<100	<241	<482	<1.00	<1.00	<1.00	<3.00	--	--	--	--	<10.0	--			
	03/04/05	5.73	--	92.76	<100	<241	<482	<1.00	<1.00	<1.00	<3.00	--	--	--	<10.0	--	--			
	06/09/05	6.10	--	92.39	<100	<236	<472	<1	<1	<1	<3	1.26	--	--	--	<15	--			
	09/15/05	6.60	--	91.89	<48	<160	<200	<0.5	<0.5	<0.5	<1.5	--	--	--	--	<0.87	--			
	12/15/05	5.94	--	92.55	<48	170	110	<0.2	<0.2	<0.2	<0.6	--	--	--	--	--	--			
	03/10/06	5.34	--	93.15	<48	<76	<95	0.6	<0.2	<0.2	<0.6	--	--	--	--	--	--			
	06/30/06	8.88	--	89.61	<48	<76	<95	<0.2	<0.2	<0.2	<0.6	1.3	--	--	--	--	--			
03/07/07							Unable to gauge or sample; Public Works trucks parked over well.													
06/01/07	5.47	--	93.02	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.8	1.0	--	--	--	--	--			
09/06/07	6.01	--	92.48	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.8	0.5	--	--	--	--	--			
12/03/07	6.63	--	91.86	<50	<400 <sup>c</sup>	<500 <sup>c</sup>	<0.5	<0.7	<0.8	<0.8	<0.8	0.6	--	--	--	--	--			
03/05/08	5.34	--	93.15	<50 <sup>d</sup>	<800 <sup>c,e</sup>	<1,000 <sup>c,e</sup>	<b>11</b>	<0.7	<0.8	<0.8	<0.8	1	--	--	--	--	--			
06/11/08	5.34	--	93.15	<50	<800 <sup>b,c,e</sup>	<1,000 <sup>b,c,e</sup>	<b>10</b>	<0.5	<0.5	<0.5	<0.5	1	--	--	--	--	--			
09/10/08	5.30	--	93.19	<50	<77	<96	<0.5	<0.7	<0.8	<0.8	<0.8	1	--	--	--	--	--			
12/10/08	5.62	--	92.87	<50	<29	<69	<0.5	<0.7	<0.8	<0.8	<0.8	--	--	--	--	--	--			
03/31/09	5.55	--	92.94	<50	<83	<420	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--			
06/17/09	5.80	--	92.69	<50	<78	<390	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<0.010	<1.0	<1.0	--			
09/29/09	6.67	--	189.12	<50	<77.7	<388	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	--	--	--	--	--			
12/09/09	6.00	--	189.79				Not part of the sampling schedule this reporting period.													
02/26/10	5.33	--	190.46	<50	<77.7	<388	4.4	1.5	<1.0	<1.0	7.2	--	--	--	--	--	--			
06/04/10	5.16	--	190.63	<50	187	<392	<1.0	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--			
08/03/10	6.22	--	189.57	<50	<76.9	<385	<1.0	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--			
12/02/10	5.61	--	190.18	<50	<77.7	<388	<1.0	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--			
02/21/11	5.50	--	190.29	<50	<78.4	<392	<1.0	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--			
05/18/11	4.61	--	191.18	<50	<30	<69	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50			
08/17/11	6.12	--	189.67	<50	57	<74	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50			
11/22/11	5.99	--	189.80	<50	<29	<68	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50			
03/30/12	6.22	--	189.57	<50	<29	<67	<b>40</b>	2	<0.5	<0.5	<0.5	--	--	--	--	--	<50			
05/08/12	5.02	--	190.77	<50	<29	<68	<b>10</b>	0.9	<0.5	<0.5	<0.5	--	--	--	--	--	<50			

**TABLE 1**  
**GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS**  
**76 PRODUCTS FACILITY NO. 351448**  
**200 South 36th Street, Bellingham, Washington**  
**Concentrations reported in µg/L**

Well ID/ TOC Elevation (ft)	Sample Date	Depth to Water (ft)	LPH (ft)	GW Elevation (ft)	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	EDC	EDB	Total Lead	Dissolved Lead	Ethanol
MW-1 (cont.)	08/16/12	5.91	--	189.88	<50	30	<66	19	0.7	<0.5	<0.5	--	--	--	--	--	<50
	11/12/12	5.73	--	190.06	<50	45	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	02/20/13	5.07	--	190.72	<50	200	210	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	05/20/13	4.91	--	190.88	<50	61	110	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	08/08/13	6.11	--	189.68	<50	56	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	11/13/13	5.97	--	189.82	<50	250	280	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	02/13/14	5.53	--	190.26	<50	110	150	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
MW-2 100.74	03/11/99	7.93	--	92.81	<50	<250	<750 <sup>c</sup>	<0.500	<0.500	<0.500	<1.00	--	--	--	162	--	--
	05/25/99	8.18	--	92.56	<50	<250	<750 <sup>c</sup>	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--
	08/12/99	8.94	--	91.80	<50	281	<750 <sup>c</sup>	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--
	12/07/99	8.04	--	92.70	<50	<250	<750 <sup>c</sup>	<0.500	<0.500	<0.500	<1.00	--	--	--	17.0	--	--
	02/10/00	8.32	--	92.42	<50	<250	<750 <sup>c</sup>	<0.500	<0.500	<0.500	<1.00	--	--	--	49.1	--	--
	02/02/01	6.40	--	94.34	<50	<250	<750 <sup>c</sup>	<0.500	<0.500	<0.500	<1.00	--	--	--	--	<1.00	--
	02/08/02	7.77	--	92.97	<50	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	40.6	<1.00	--
	09/20/02	9.23	--	91.51	<50	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	<1.00	--	--
	12/04/02	9.15	--	91.59	<50	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	2.89	--	--
	03/05/03	8.28	--	92.46	<50	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	19.8	--	--
	06/10/03	8.56	--	92.18	<50	<284	<568 <sup>c</sup>	<0.500	1.36	<0.500	2.53	--	--	--	40.1	--	--
	09/03/03	9.13	--	91.61	<80	<298	<595 <sup>c</sup>	0.829	1.25	0.519	2.49	--	--	--	33.3	--	--
	12/12/03	8.12	--	92.62	<50	<119	<237	<0.250	<0.500	<0.500	<1.500	--	--	--	<5.0	--	--
	03/24/04	8.13	--	92.61	<100	<124	<248	<1.00	<1.00	<1.00	<3.00	--	--	--	21.3	--	--
	06/17/04	8.13	--	92.61	<50	<119	<238	<0.250	<0.500	<0.500	<1.50	--	--	--	--	<10.0	--
	09/23/04	8.33	--	92.41	<50	<271	<542 <sup>c</sup>	<0.50	<0.50	<0.50	<1.0	--	--	--	<10.0	--	--
	12/29/04	7.82	--	92.92	<100	<239	<478	<1.00	<1.00	<1.00	<3.00	--	--	--	--	<10.0	--
	03/04/05	8.34	--	92.40	<100	<239	<478	<1.00	<1.00	<1.00	<3.00	--	--	--	<10.0	--	--
	06/09/05	8.66	--	92.08	<100	<238	<475	<1	<1	<1	<3	<1	--	--	--	<15	--
	09/15/05	5.40	--	95.34	<48	<75	<94	<0.5	<0.5	<0.5	<1.5	--	--	--	--	<0.87	--
	12/15/05	8.44	--	92.30	<48	<75	<94	<0.2	<0.2	<0.2	<0.6	--	--	--	--	--	--
	03/10/06	8.28	--	92.46	<48	<76	<95	<0.2	<0.2	<0.2	<0.6	--	--	--	--	--	--
	06/30/06	8.71	--	92.03	<48	<76	<95	<0.2	<0.2	<0.2	<0.6	<0.3	--	--	--	--	--
	03/07/07	7.80	--	92.94	<48	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--
	06/01/07	8.38	--	92.36	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--
	09/06/07	9.06	--	91.68	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--
	12/03/07	6.69	--	94.05	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--
03/05/08	8.05	--	92.69	<50	<800 <sup>c</sup>	<1,000 <sup>c</sup>	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--	
06/11/08	8.25	--	92.49	<50	<76 <sup>b</sup>	<95 <sup>b</sup>	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	
09/10/08	8.80	--	91.94	<50	<78	<97	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--	
	12/10/08				Removed from sampling event this quarter.												
	03/31/09	7.90	--	92.84	--	--	--	--	--	--	--	--	--	--	--	--	--
198.03	06/17/09	8.53	--	92.21	<50	<78	<390	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<0.010	<1.0	<1.0	--
	09/29/09	9.38	--	188.65	<50	<77.7	<388	<1.0	<1.0	<1.0	<3.0	<1.0	--	--	--	--	--
	12/09/09	7.99	--	190.04	Not part of the sampling schedule this reporting period.												
	02/26/10	8.10	--	189.93	Not part of the sampling schedule this reporting period.												
	06/04/10	7.76	--	190.27	Not part of the sampling schedule this reporting period.												
	08/03/10	8.93	--	189.10	<50	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
	12/02/10	7.99	--	190.04	<50	<78.4	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
	02/21/11	7.64	--	190.39	<50	<78.4	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
	05/18/11	7.30	--	190.73	<50	<30	<70	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	08/17/11	8.80	--	189.23	<50	<31	<72	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50

**TABLE 1**  
**GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS**  
**76 PRODUCTS FACILITY NO. 351448**  
**200 South 36th Street, Bellingham, Washington**  
Concentrations reported in µg/L

Well ID/ TOC Elevation (ft)	Sample Date	Depth to Water (ft)	LPH (ft)	GW Elevation (ft)	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	EDC	EDB	Total Lead	Dissolved Lead	Ethanol
MW-2 (cont.)	11/22/11	8.60	--	189.43	<50	<30	<69	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	03/30/12	8.18	--	189.85	<50	<28	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	05/08/12	7.80	--	190.23	<50	<29	<69	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	08/16/12	8.41	--	189.62	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	11/12/12	8.36	--	189.67	<50	<28	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	02/20/13	8.18	--	189.85	<50	<28	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	05/20/13	8.21	--	189.82	<50	<31	<72	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	08/08/13	9.02	--	189.01	<50	<28	<66	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<50
	11/13/13	8.40	--	189.63	<50	<30	<70	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	02/13/14	8.50	--	189.53	<50	<32	<74	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
MW-3 97.84	03/11/99	4.93	--	92.91	<50	<250	<750 <sup>e</sup>	<0.500	<0.500	<0.500	<1.00	--	--	--	6.35	--	--
	05/25/99	5.19	--	92.65	210	383	<750 <sup>e</sup>	<0.500	<0.500	3.04	3.93	--	--	--	--	--	--
	08/12/99	5.70	--	92.14	56.3	<250	<750 <sup>e</sup>	<0.500	<0.500	0.732	1.84	--	--	--	--	--	--
	12/07/99	5.03	--	92.81	94.7	<250	<750 <sup>e</sup>	<0.500	0.598	<0.500	<1.00	--	--	--	4.40	--	--
	02/10/00	4.92	--	92.92	<50	<250	<750 <sup>e</sup>	<0.500	<0.500	<0.500	<1.00	--	--	--	17.6	--	--
	02/02/01	4.76	--	93.08	63.0	413	<750 <sup>e</sup>	<0.500	<0.500	0.503	<1.00	--	--	--	--	<1.00	--
	02/08/02	4.59	--	93.25	91.5	410	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	22.3	<1.00	--
	09/20/02	5.88	--	91.96	129	372	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	<1.00	--	--
	12/04/02	5.26	--	92.58	147	371	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	4.60	--	--
	03/05/03	4.70	--	93.14	62.2	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	12.5	--	--
	06/10/03	5.31	--	92.53	<50	<250	<500	<0.500	0.562	<0.500	<1.00	--	--	--	6.90	--	--
	09/03/03	5.66	--	92.18	<80	<250	<500	2.12	0.753	<0.500	<1.00	--	--	--	<1.00	--	--
	12/12/03	4.79	--	93.06	<50	<119	<237	<0.250	<0.500	<0.500	<1.500	--	--	--	<5.0	--	--
	03/24/04	4.81	--	93.03	<100	<128	<256	<1.00	<1.00	<1.00	<3.00	--	--	--	20.0	--	--
	06/17/04	4.97	--	92.87	<50	<119	<238	<0.250	<0.500	<0.500	<1.50	--	--	--	--	<10.0	--
	09/23/04	5.03	--	92.81	140	<255	<509 <sup>e</sup>	<0.50	<0.50	<0.50	<1.0	--	--	--	<10.0	--	--
	12/29/04	4.53	--	93.31	<100	<239	<478	<1.00	<1.00	<1.00	<3.00	--	--	--	--	<10.0	--
	03/04/05	5.02	--	92.82	<100	<241	<482	<1.00	<1.00	<1.00	<3.00	--	--	--	<10.0	--	--
	06/09/05	5.25	--	92.59	<100	<238	<475	<1	<1	<1	<3	<1	--	--	--	<15	--
	09/15/05	7.20	--	90.64	<48	<75	<93	<0.5	<0.5	<0.5	<1.5	--	--	--	--	<0.87	--
	12/15/05	5.09	--	92.75	<48	<75	<94	<0.2	<0.2	<0.2	<0.6	--	--	--	--	--	--
	03/10/06	4.75	--	93.09	<48	<75	<94	<0.2	<0.2	<0.2	<0.6	--	--	--	--	--	--
	06/30/06	5.40	--	92.44	<48	<76	<95	<0.2	<0.2	<0.2	<0.6	<0.3	--	--	--	--	--
	03/07/07	4.42	--	93.42	<48	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--
	06/01/07	4.94	--	92.90	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--
	09/06/07	5.43	--	92.41	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--
	12/03/07	4.70	--	93.14	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--
	03/05/08	4.89	--	92.95	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--
	06/11/08	5.11	--	92.73	<50	100 <sup>b</sup>	560 <sup>b</sup>	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
	09/10/08	5.30	--	92.54	<50	<78	<98	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--
12/10/08	Removed from sampling event this quarter.																
195.19	03/31/09	4.90	--	92.94	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/17/09	5.57	--	92.27	<50	<78	<390	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<0.010	<1.0	<1.0	--
	09/29/09	5.91	--	189.28	<50	<78.4	<392	<1.0	<1.0	<1.0	<3.0	<1.0	--	--	--	--	--
	12/09/09	5.06	--	190.13	Not part of the sampling schedule this reporting period.												
	02/26/10	5.02	--	190.17	Not part of the sampling schedule this reporting period.												
	06/04/10	4.91	--	190.28	<50	111	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
	08/03/10	5.71	--	189.48	<50	<76.9	<385	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
12/02/10	4.83	--	190.36	<50	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	

**TABLE 1**  
**GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS**  
**76 PRODUCTS FACILITY NO. 351448**  
**200 South 36th Street, Bellingham, Washington**  
**Concentrations reported in µg/L**

Well ID/ TOC Elevation (ft)	Sample Date	Depth to Water (ft)	LPH (ft)	GW Elevation (ft)	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	EDC	EDB	Total Lead	Dissolved Lead	Ethanol
MW-3 (cont.)	02/21/11	4.86	--	190.33	<50	<78.4	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
	05/18/11	4.44	--	190.75	<50	<30	<70	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	08/17/11	5.62	--	189.57	<50	37	<76	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	11/22/11	5.22	--	189.97	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	03/30/12	5.31	--	189.88	<50	34	120	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	05/08/12	4.85	--	190.34	<50	<30	<70	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	08/16/12	5.46	--	189.73	<50	<28	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	11/12/12	5.45	--	189.74	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	02/20/13	4.95	--	190.24	<50	68	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	05/20/13	5.05	--	190.14	<50	87	120	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	08/08/13	5.50	--	189.69	<50	42	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	11/13/13	5.28	--	189.91	<50	54	<73	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
02/13/14	4.93	--	190.26	<50	110	<73	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
MW-4 99.44	03/11/99	6.39	--	93.05	<50	<250	<750 <sup>e</sup>	<0.500	<0.500	<0.500	<1.00	--	--	--	29.0	--	--
	05/25/99	6.62	--	92.82	<50	<250	<750 <sup>e</sup>	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--
	08/12/99	7.31	--	92.13	<50	<250	<750 <sup>e</sup>	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--
	12/07/99	6.37	--	93.07	<50	<250	<750 <sup>e</sup>	<0.500	<0.500	<0.500	<1.00	--	--	--	10.2	--	--
	02/10/00	6.48	--	92.96	<50	<250	<750 <sup>e</sup>	<0.500	<0.500	<0.500	<1.00	--	--	--	23.6	--	--
	02/02/01	6.37	--	93.07	<50	<250	<750 <sup>e</sup>	<0.500	<0.500	<0.500	<1.00	--	--	--	--	<1.00	--
	02/08/02	6.03	--	93.41	<50	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	3.30	<1.00	--
	09/20/02	7.37	--	92.07	<50	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	<1.00	--	--
	12/04/02	7.03	--	92.41	<50	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	<1.00	--	--
	03/05/03	6.33	--	93.11	<50	<284	<568 <sup>e</sup>	<0.500	<0.500	<0.500	<1.00	--	--	--	6.81	--	--
	06/10/03	6.99	--	92.45	<50	<250	<500	<0.500	0.687	<0.500	1.26	--	--	--	10.5	--	--
	09/03/03	7.60	--	91.84	<80	<312	<625 <sup>e</sup>	0.620	<0.500	<0.500	<1.00	--	--	--	2.75	--	--
	12/12/03	6.49	--	92.96	<50	<118	<237	<0.250	<0.500	<0.500	<1.500	--	--	--	<5.0	--	--
	03/24/04	6.54	--	92.90	<100	<133	<265	<1.00	<1.00	<1.00	<3.00	--	--	--	<5.0	--	--
	06/17/04	5.91	--	93.53	<50	<119	<237	<0.250	<0.500	<0.500	<1.50	--	--	--	--	<10.0	--
	09/23/04	6.52	--	92.92	<50	<259	<518 <sup>e</sup>	<0.50	<0.50	<0.50	<1.0	--	--	--	<10.0	--	--
	12/29/04	6.14	--	93.30	<100	<240	<480	<1.00	<1.00	<1.00	<3.00	--	--	--	--	<10.0	--
	03/04/05	6.65	--	92.79	<100	<240	<481	<1.00	<1.00	<1.00	<3.00	--	--	--	<10.0	--	--
	06/09/05	6.91	--	92.53	<100	<237	<473	<1	<1	<1	<3	<1	--	--	--	<15	--
	09/15/05	6.10	--	93.34	<48	150	<93	<0.5	<0.5	<0.5	<1.5	--	--	--	--	<0.87	--
	12/15/05	6.73	--	92.71	<48	180	<94	<0.2	<0.2	<0.2	<0.6	--	--	--	--	--	--
	03/10/06	6.28	--	93.16	<48	<75	<94	<0.2	<0.2	<0.2	<0.6	--	--	--	--	--	--
	06/03/06	6.80	--	92.64	<48	130	<95	<0.2	<0.2	<0.2	<0.6	0.8	--	--	--	--	--
	03/07/07	5.81	--	93.63	<48	83	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--
	06/01/07	6.60	--	92.84	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--
	09/06/07	7.12	--	92.32	<50	170	<95	<0.5	<0.7	<0.8	<0.8	0.6	--	--	--	--	--
	12/03/07	6.00	--	93.44	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--
03/05/08	6.17	--	93.27	<50	<77	<96	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--	
06/11/08	6.02	--	93.42	<50	<75 <sup>b</sup>	<94 <sup>b</sup>	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	
09/10/08	6.85	--	92.59	<50	<78	<97	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--	
12/10/08					Removed from sampling event this quarter.												
196.77	03/31/09	6.17	--	93.27	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/16/09	7.09	--	92.35	<50	<78	<390	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<0.010	<1.0	<1.0	--
	09/29/09	7.71	--	189.06	<50	256	<396	<1.0	<1.0	<1.0	<3.0	<1.0	--	--	--	--	--
	12/09/09	6.53	--	190.24	<50	142	<385	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
02/26/10	6.39	--	190.38	<50	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	

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**76 PRODUCTS FACILITY NO. 351448**  
**200 South 36th Street, Bellingham, Washington**  
Concentrations reported in µg/L

Well ID/ TOC Elevation (ft)	Sample Date	Depth to Water (ft)	LPH (ft)	GW Elevation (ft)	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	EDC	EDB	Total Lead	Dissolved Lead	Ethanol	
MW-4 (cont.)	06/04/10	6.19	--	190.58	<50	81.3	<396	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	
	08/03/10	7.38	--	189.39	<50	<76.9	<385	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	
	12/02/10	6.28	--	190.49	<50	<78.4	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	
	02/21/11	6.22	--	190.55	<50	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	
	05/18/11	5.73	--	191.04	<50	<30	<69	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
	08/17/11	7.31	--	189.46	<50	59	<71	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
	11/22/11	6.73	--	190.04	<50	<29	<68	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
	03/30/12	6.11	--	190.66	<50	<28	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
	05/08/12	6.11	--	190.66	<50	<29	<68	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
	08/16/12	7.18	--	189.59	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
	11/12/12	6.36	--	190.41	<50	<28	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
	02/20/13	6.18	--	190.59	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
	05/20/13	6.22	--	190.55	<50	<28	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
	08/08/13	7.13	--	189.64	<50	40	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
11/13/13	6.60	--	190.17	<50	<31	<73	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50		
02/13/14	7.81	--	188.96	<50	<32	<75	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50		
MW-5 101.14	01/11/06	4.04	--	97.10	<48	<75	<94	1.7	<0.2	<0.2	<0.6	--	--	--	<8.4	--	--	
	03/10/06	3.81	--	97.33	65	<75	<94	13	0.2	<0.2	<0.6	--	--	--	--	--	--	
	06/30/06	4.46	--	96.68	57	<76	<95	8.6	<0.2	<0.2	<0.6	<5.0	--	--	--	--	--	
	03/07/07	3.48	--	97.66	<48	<76	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--	
	06/01/07	4.10	--	97.04	<50	--	--	<0.5	<0.7	<0.8	<0.8	0.6	--	--	--	--	--	
	09/06/07	4.43	--	96.71	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--	
	12/03/07	4.64	--	96.50	<50	99	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--	
	03/05/08	4.36	--	96.78	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--	
	06/11/08	4.21	--	96.93	<50	91	<94	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	
	09/10/08	4.30	--	96.84	<50	<78	<98	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--	
	12/10/08							Removed from sampling event this quarter.										
	03/31/09	4.45	--	96.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/16/09	4.80	--	96.34	<50	<78	<390	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<0.010	<1.0	<1.0	--	
	09/29/09	5.53	--	189.47	<50	183	<386	<1.0	<1.0	<1.0	<3.0	<1.0	--	--	--	--	--	
12/09/09	4.33	--	190.67	Not part of the sampling schedule this reporting period.														
02/26/10	4.52	--	190.48	63.1	93.6	<385	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--		
06/04/10	4.82	--	190.18	Not part of the sampling schedule this reporting period.														
08/03/10	5.31	--	189.69	141	<76.9	<385	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--		
12/02/10	4.45	--	190.55	Not part of the sampling schedule this reporting period.														
02/21/11	3.79	--	191.21	Not part of the sampling schedule this reporting period.														
05/18/11	3.68	--	191.32	<50	49	<70	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
08/17/11	5.11	--	189.89	<50	<30 <sup>f</sup>	<69 <sup>f</sup>	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
11/22/11	4.60	--	190.40	<50	<30	<69	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
03/30/12	4.43	--	190.57	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
05/08/12	4.45	--	190.55	<50	<30	<70	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
08/16/12	4.52	--	190.48	<50	<28	<66	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
11/12/12	4.51	--	190.49	<50	30	<66	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
02/20/13	3.99	--	191.01	<50	160	180	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
05/20/13	4.05	--	190.95	<50	47	<67	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
08/08/13	4.66	--	190.34	<50	46	<67	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
11/13/13	4.30	--	190.70	<50	220	250	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
02/13/14	4.10	--	190.90	<50	120	140	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	

**TABLE 1**  
**GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS**  
**76 PRODUCTS FACILITY NO. 351448**  
**200 South 36th Street, Bellingham, Washington**  
**Concentrations reported in µg/L**

Well ID/ TOC Elevation (ft)	Sample Date	Depth to Water (ft)	LPH (ft)	GW Elevation (ft)	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	EDC	EDB	Total Lead	Dissolved Lead	Ethanol	
MW-6 99.74	01/11/06	4.89	--	94.85	<48	<75	<94	<0.2	<0.2	<0.2	<0.6	--	--	--	<8.4	--	--	
	03/10/06	5.47	--	94.27	<48	<76	<95	<0.2	<0.2	<0.2	<0.6	--	--	--	--	--	--	
	06/30/06	6.50	--	93.24	<48	<80	<100	<0.2	<0.2	<0.2	<0.6	<0.3	--	--	--	--	--	
	03/07/07	5.08	--	94.66	<48	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--	
	06/10/07	5.73	--	94.01	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--	
	09/06/07	6.22	--	93.52	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.8	<0.5	--	--	--	--	--
	12/03/07	5.46	--	94.28	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.8	<0.5	--	--	--	--	--
	03/05/08	5.46	--	94.28	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.8	<0.5	--	--	--	--	--
	06/11/08	5.39	--	94.35	<50	<76	250	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
	09/10/08	5.95	--	93.79	<50	<79	<98	<0.5	<0.7	<0.8	<0.8	<0.8	<0.5	--	--	--	--	--
12/10/08	Removed from sampling event this quarter.																	
196.52	03/31/09	5.75	--	93.99	--	--	--	--	--	--	--	--	--	--	--	--	--	
	06/16/09	6.50	--	93.24	<50	<78	<390	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<0.010	<1.0	<1.0	--	
	09/29/09	7.04	--	189.48	<50	<78.4	<392	<1.0	<1.0	<1.0	<3.0	<1.0	--	--	--	--	--	
	12/09/09	5.87	--	190.65	<50	121	<385	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	
	02/26/10	5.91	--	190.61	<50	<76.9	<385	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	
	06/04/10	5.69	--	190.83	<50	<78.4	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	
	08/03/10	6.68	--	189.84	<50	<76.9	<385	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	
	12/02/10	5.71	--	190.81	<50	<78.4	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	
	02/21/11	5.68	--	190.84	<50	<78.4	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	
	05/18/11	5.22	--	191.30	<50	<32	<74	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
	08/17/11	6.60	--	189.92	<50	<30	<71	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
	11/22/11	6.04	--	190.48	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
	03/30/12	5.46	--	191.06	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
	05/08/12	5.53	--	190.99	<50	<30	<69	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
	08/16/12	6.43	--	190.09	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
	11/12/12	5.56	--	190.96	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
02/20/13	5.41	--	191.11	<50	46	<66	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<50		
05/20/13	5.47	--	191.05	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<50		
08/08/13	6.19	--	190.33	<50	<28	<66	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<50		
11/13/13	5.70	--	190.82	<50	55	<71	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<50		
02/13/14	5.40	--	191.12	<50	65	<73	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<50		
MW-7 99.64	01/11/06	6.07	--	93.57	160	780 <sup>b</sup>	<94 <sup>b</sup>	<0.2	<0.2	<0.2	<0.6	2.5	--	--	<8.4	--	--	
	03/10/06	6.71	--	92.93	140	540	<94	<0.2	<0.2	<0.2	<0.6	--	--	--	--	--	--	
	06/30/06	7.31	--	92.33	190	1,000	<480	0.2	<0.2	<0.2	<0.6	2	--	--	--	--	--	
	03/07/07	6.00	--	93.64	340	870	<94	<0.5	<0.7	<0.8	<0.8	0.7	--	--	--	--	--	
	06/01/07	6.99	--	92.65	210	--	--	<0.5	<0.7	<0.8	<0.8	0.8	--	--	--	--	--	
	09/06/07	7.47	--	92.17	250	1,000	160	<0.5	<0.7	<0.8	<0.8	0.8	--	--	--	--	--	
	12/03/07	4.97	--	94.67	400	970	140	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--	
	03/05/08	6.47	--	93.17	240	930	100	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--	
	06/11/08	6.13	--	93.51	240	1,300	860	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	
09/10/08	7.20	--	92.44	250	580	<97	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--		
12/10/08	6.88	--	92.76	260	460	<68	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--		

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**76 PRODUCTS FACILITY NO. 351448**  
**200 South 36th Street, Bellingham, Washington**  
Concentrations reported in µg/L

Well ID/ TOC Elevation (ft)	Sample Date	Depth to Water (ft)	LPH (ft)	GW Elevation (ft)	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	EDC	EDB	Total Lead	Dissolved Lead	Ethanol
MW-7 (cont.) 196.93	03/31/09	6.62	--	93.02	352	220	<420	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--
	06/16/09	7.49	--	92.15	240	440	<390	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<0.010	<1.0	<1.0	--
	09/29/09	7.97	--	188.96	134	<b>839</b>	<b>566</b>	<1.0	<1.0	<1.0	<3.0	<1.0	--	--	--	--	--
	12/09/09	6.97	--	189.96	169	<b>891</b>	<385	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
	02/26/10	6.74	--	190.19	190	<b>1,120</b>	<b>518</b>	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
	06/04/10	6.50	--	190.43	151	<b>1,200</b>	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
	08/03/10	7.73	--	189.20	119	181	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
	12/02/10	6.57	--	190.36	200	222	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
	02/21/11	6.53	--	190.40	221	212	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
	05/18/11	5.80	--	191.13	260	<b>730</b>	<68	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	08/17/11	7.60	--	189.33	160	<b>560</b>	<70	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	11/22/11	7.11	--	189.82	180	160	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	03/30/12	6.43	--	190.50	210	<b>670</b>	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	05/08/12	6.53	--	190.40	130	<b>610</b>	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	08/16/12	7.56	--	189.37	340	<b>950</b>	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	11/12/12	6.63	--	190.30	230	<b>580</b>	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	02/20/13	6.44	--	190.49	98	<29 <sup>b</sup>	<67 <sup>b</sup>	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	05/20/13	6.48	--	190.45	340	<b>640</b>	87	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	08/08/13	7.45	--	189.48	140	<b>810</b>	250	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	11/13/13	6.80	--	190.13	130	<b>750</b>	220	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
02/13/14	6.55	--	190.38	290	<b>680</b>	130	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
MW-8 102.70	01/11/06	7.00	--	95.70	<48	<76	<95	<0.2	<0.2	<0.2	<0.6	--	--	--	<8.4	--	--
	03/10/06	7.50	--	95.20	<48	<75	<94	<0.2	<0.2	<0.2	<0.6	--	--	--	--	--	--
	06/30/06	7.97	--	94.73	<48	<77	<96	<0.2	<0.2	<0.2	<0.6	<0.3	--	--	--	--	--
	03/07/07	6.93	--	95.77	<48	<75	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--
	06/01/07	7.77	--	94.93	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--
	09/06/07	8.45	--	94.25	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--
	12/03/07	7.51	--	95.19	<50	<76	290	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--
	03/05/08	7.30	--	95.40	<50	<150	<b>860</b>	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--
	06/11/08	7.22	--	95.48	<50 <sup>d</sup>	240	<b>1,000</b>	<0.5 <sup>d</sup>	0.7 <sup>d</sup>	<0.5 <sup>d</sup>	<0.5 <sup>d</sup>	<0.5 <sup>d</sup>	--	--	--	--	--
	09/10/08	8.20	--	94.50	<50	<79	<99	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--
	12/10/08	7.55	--	95.15	<50	<29	180	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--
	03/31/09	7.10	--	95.60	<50	<82	<410	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--
	06/17/09	8.00	--	94.70	<50	<78	<390	<1.0	<1.0	<1.0	<3.0	<1.0	2.8	<0.010	1.3	<1.0	--
	09/29/09	8.89	--	188.59	<50	88.5	<388	<1.0	<1.0	<1.0	<3.0	<1.0	--	--	--	--	--
	12/09/09	7.40	--	190.08	57.9	112	<385	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
	02/26/10	7.40	--	190.08	<50	136	496	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
	06/04/10	7.18	--	190.30	<50	99	<392	3.8	<1.0	<1.0	<3.0	--	--	--	--	--	--
08/03/10	8.40	--	189.08	<50	<76.9	<385	3.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	
12/02/10	7.40	--	190.08	Not part of the sampling schedule this reporting period.													

**TABLE 1**  
**GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS**  
**76 PRODUCTS FACILITY NO. 351448**  
**200 South 36th Street, Bellingham, Washington**  
**Concentrations reported in µg/L**

Well ID/ TOC Elevation (ft)	Sample Date	Depth to Water (ft)	LPH (ft)	GW Elevation (ft)	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	EDC	EDB	Total Lead	Dissolved Lead	Ethanol
MW-8 (cont.)	02/21/11	7.08	--	190.40	Not part of the sampling schedule this reporting period.												
	05/18/11	6.52	--	190.96	<50	<b>740</b>	<370	1	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<50
	08/17/11	8.35	--	189.13	<50	<30 <sup>g</sup>	<70 <sup>g</sup>	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	11/22/11	8.17	--	189.31	<50	<30	<69	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	03/30/12	7.08	--	190.40	56	<29	<67	1	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	05/08/12	7.13	--	190.35	<50	<30	<70	2	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<50
	08/16/12	8.02	--	189.46	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	11/12/12	7.81	--	189.67	<50	<28	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	02/20/13	7.46	--	190.02	<50	<b>820<sup>l</sup></b>	180 <sup>l</sup>	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	05/20/13	7.52	--	189.96	85	<29	<68	<b>6</b>	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	08/08/13	8.39	--	189.09	<50	<29	<67	3	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	11/13/13	8.00	--	189.48	<50	41	<72	0.8	<0.5	<0.5	<0.5	--	--	--	--	--	<50
02/13/14	7.65	--	189.83	<50	<31	<73	0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	
MTCA Method A Cleanup Levels:					1,000/800 <sup>a</sup>	500	500	5	1,000	700	1,000	20	5	0.01	15	15	NE

**ABBREVIATIONS:**

BTEX = Benzene, toluene, ethylbenzene, total xylenes  
EDC = 1,2-Dichloroethane  
EDB = 1,2-Dibromoethane  
ft = feet  
MTCA = Model Toxics Control Act  
MTBE = Methyl tertiary butyl ether  
NE = Not Established  
LCS = Laboratory control sample  
LPH = Liquid-phase hydrocarbon  
QC = Quality control

RLs = Reporting limits  
TOC = Top of casing  
TPH = Total Petroleum Hydrocarbons  
TPH-G = TPH as gasoline-range organics  
TPH-D = TPH as diesel-range organics  
TPH-O = TPH as heavy oil-range organics  
USEPA = United States Environmental Protection Agency  
-- = Not measured/Not analyzed  
< = Less than the stated laboratory reporting limit  
µg/L = micrograms per liter

**NOTES:**

Bolding indicates a concentration greater than MTCA Method A Cleanup Level.  
Groundwater monitoring data, TOC elevations, and laboratory analytical results prior to May 18, 2011, provided by STANTEC Consulting Corporation.  
TOC and ground surface elevations were surveyed by Otak Inc. on August 20, 2009.  
Total and dissolved lead analyzed by USEPA Method 6020; after 09/03/03 by USEPA Method 6010.  
Ethanol analyzed by USEPA Method 8260B.  
TPH-G analyzed by Northwest Method NWTPH-Gx.  
TPH-D and TPH-O analyzed by Northwest Method NWTPH-Dx.  
BTEX analyzed by USEPA Method 8020, 8021B, or 8260B.  
MTBE analyzed by USEPA Method 8260B.  
EDC analyzed by USEPA Method 8260B.  
EDB analyzed by USEPA Method 8011.

**TABLE 1**  
**GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS**  
**76 PRODUCTS FACILITY NO. 351448**  
**200 South 36th Street, Bellingham, Washington**  
**Concentrations reported in µg/L**

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**NOTES (cont.):**

- a Concentration levels stated by MTCA Method A for TPH-G are 1,000 µg/L when no benzene is present and 800 µg/L when benzene is present.
- b The recovery for the LCS with this sample is below quality control limits. Since no sample remained for a reextraction the data is reported.
- c Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.
- d Preservation requirements were not met. The vial submitted for volatile analysis did not have a pH < 2 at the time of analyses. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH=6.
- e The laboratory RLs are above current MTCA Method A cleanup levels
- f The surrogate data is outside the QC limits. Due to insufficient sample volume, a repeat analysis could not be performed to confirm the results.
- g The recovery for the sample surrogate is outside the QC acceptance limits. The sample was re-extracted outside of the method holding time. All results are reported from the original extract. Similar results were obtained in both extracts.
- h Re-analysis was requested. The sample was re-extracted in duplicate outside the method holding time. The results are as follows: TPH-D = 610 µg/L (pattern similar to original sample); TPH-O < 140 µg/L; TPH-D DUP = 620 µg/L, TPH-O DUP < 140 µg/L.
- i Re-analysis was requested. The sample was re-extracted in duplicate outside the method holding time. The results are as follows: TPH-D < 60 µg/L; TPH-O < 140µg/L; TPH-D DUP < 60 µg/L, TPH-O DUP < 140µg/L.

**Attachment A:**  
**Groundwater Monitoring and Sampling Data Package**

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## WELL GAUGING DATA

Project # 140213-12x1 Date 2/13/14 Client Chevron

Site 200 S. 36th St - Bellingham

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or POC	Notes
MW-1	0717	2					5.53	22.81	↓	
MW-2	0705	2				8.50	20.81			
MW-3	0733	2				4.93	21.02			
MW-4	0747	2				7.81	20.31			
MW-5	0724	2				4.10	13.60			
MW-6	0740	2				5.40	13.82			
MW-7	0755	2				6.55	18.00			
MW-8	0710	2				7.65	17.60			

### LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>140213-1421</u>	Client: <u>Chevron</u>
Sampler: <u>PK</u>	Gauging Date: <u>2/13/14</u>
Well I.D.: <u>MW-1</u>	Well Diameter (in.): <u>3</u> 3 4 6 8
Total Well Depth (ft.): <u>22.8</u>	Depth to Water (ft.): <u>5.53</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump ~~Peristaltic Pump~~ ~~Bladder Pump~~  
 Sampling Method: Dedicated Tubing ~~New Tubing~~ ~~Other~~  
 Start Purge Time: 0922 Flow Rate: 100ml/min Pump Depth: 14'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or ml)	Depth to Water (ft.)
0928	11.01	6.87	615	20	1.72	55.9	600	5-60
0931	11.02	6.81	610	21	1.70	49.7	900	5-61
0934	11.03	6.81	611	19	1.71	48.2	1200	5-63
0937	11.03	6.82	605	19	1.71	47.3	1500	5-63
0940	11.03	6.80	605	18	1.74	48.4	1800	5-63

Did well dewater? Yes  No  Amount actually evacuated: 1-8L

Sampling Time: 0941 Sampling Date: 2/13/14

Sample I.D.: 0941 PK MW-1 Laboratory: Lamson

Analyzed for:  TRLG  BTEX  MTBE  TPH/D  Other: See C.O.C.

Equipment Blank I.D.: @ \_\_\_\_\_ Time Duplicate I.D.: \_\_\_\_\_



### LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>140213-PC1</u>	Client: <u>Chevron</u>
Sampler: <u>PC</u>	Gauging Date: <u>2/13/14</u>
Well I.D.: <u>MW-3</u>	Well Diameter (in.): <u>2</u> 3 4 6 8
Total Well Depth (ft.): <u>21.02</u>	Depth to Water (ft.): <u>4.93</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 85G</u>

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1030      Flow Rate: 100ml/min      Pump Depth: 9'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1036	11.01	6.81	761	20	1.75	41.9	600	5.00
1039	11.03	6.81	760	19	1.71	35.2	900	5.03
1041	11.03	6.80	760	18	1.71	33.7	1200	5.05
1044	11.01	6.83	763	18	1.70	30.2	1500	5.05
1047	11.00	6.82	765	14	1.71	31.4	1800	5.05

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u>1.8L</u>
Sampling Time: <u>1048</u>	Sampling Date: <u>2/13/14</u>
Sample I.D.: <u>MW-3</u>	Laboratory: <u>Lancaster</u>
Analyzed for: <input checked="" type="checkbox"/> TPH-C <input checked="" type="checkbox"/> BTEX <input type="checkbox"/> MIBE <input checked="" type="checkbox"/> TPH-D    Other: <u>SEPCO-C</u>	
Equipment Blank I.D.: _____	Duplicate I.D.: _____

### LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>140213-PW1</u>	Client: <u>Chevron</u>
Sampler: <u>pm</u>	Gauging Date: <u>2/13/14</u>
Well I.D.: <u>MW-4</u>	Well Diameter (in.): <u>2</u> 3 4 6 8
Total Well Depth (ft.): <u>20.31</u>	Depth to Water (ft.): <u>7.81</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PTC</u> Grade	Flow Cell Type: <u>YSI 516</u>

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1143      Flow Rate: 100ml/min      Pump Depth: 13.5

Time	Temp. ( <u>C</u> or °F)	pH	Cond. (mS/cm or μS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1149	11.50	6.90	515	14	1.70	82.1	600	7.90
1152	11.51	6.91	510	13	1.71	75.4	900	7.93
1155	11.51	6.90	510	12	1.70	72.3	1200	7.93
1158	11.50	6.85	511	12	1.68	70.1	1500	7.92
1201	11.48	6.87	511	11	1.66	71.9	1800	7.93

Did well dewater? Yes <u>No</u>	Amount actually evacuated: <u>1.8L</u>
Sampling Time: <u>1202</u>	Sampling Date: <u>2/13/14</u>
Sample I.D.: <u>MW-4</u>	Laboratory: <u>1 ancastar</u>
Analyzed for: <u>TPH-G</u> <u>BTEX</u> <u>MTBE</u> <u>TPHD</u>	Other: <u>see C.O.C.</u>
Equipment Blank I.D.:	Duplicate I.D.:

### LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>140213-12A1</u>	Client: <u>Chevron</u>
Sampler: <u>PK</u>	Gauging Date: <u>2/13/14</u>
Well I.D.: <u>MW-5</u>	Well Diameter (in.): <u>2</u> 3 4 6 8
Total Well Depth (ft.): <u>13.00</u>	Depth to Water (ft.): <u>4.10</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PCC</u> Grade	Flow Cell Type: <u>951 556</u>

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 0955      Flow Rate: 100 mL/min      Pump Depth: 4'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1001	11.10	6.70	790	20	1.75	32.1	600	4.22
1004	11.13	6.79	791	19	1.70	30.7	900	4.25
1007	11.13	6.81	785	19	1.71	31.9	1200	4.28
1010	11.12	6.81	782	17	1.73	32.9	1500	4.28
1013	11.12	6.80	781	15	1.71	34.4	1800	4.28

Did well dewater? Yes <input checked="" type="checkbox"/>	Amount actually evacuated: <u>1.81</u>
Sampling Time: <u>1014</u>	Sampling Date: <u>2/13/14</u>
Sample I.D.: <u>MW-5</u>	Laboratory: <u>Lanaster</u>
Analyzed for: <u>THG</u> <u>BTEX</u> <u>MTBE</u> <u>PHL</u>	Other: <u>See C.O.C.</u>
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: _____

## LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>140213-TRK1</u>	Client: <u>Chevron</u>
Sampler: <u>TRK</u>	Gauging Date: <u>2/13/14</u>
Well I.D.: <u>MW-6</u>	Well Diameter (in.): <u>3</u> 3 4 6 8 <u>    </u>
Total Well Depth (ft.): <u>13.82</u>	Depth to Water (ft.): <u>5.40</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>RVO</u> Grade	Flow Cell Type: <u>PS2 556</u>

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1105      Flow Rate: 100ml/min      Pump Depth: 10'

Time	Temp. ( <u>°C</u> or °F)	pH	Cond. (mS/cm or <u>µS/cm</u> )	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>ml</u> )	Depth to Water (ft.)
<u>1111</u>	<u>11-22</u>	<u>6.82</u>	<u>625</u>	<u>9</u>	<u>1.82</u>	<u>57.3</u>	<u>600</u>	<u>5.50</u>
<u>1114</u>	<u>11-21</u>	<u>6.80</u>	<u>620</u>	<u>8</u>	<u>1.80</u>	<u>50.2</u>	<u>900</u>	<u>5.53</u>
<u>1117</u>	<u>11-21</u>	<u>6.81</u>	<u>621</u>	<u>8</u>	<u>1.81</u>	<u>51.8</u>	<u>1200</u>	<u>5.54</u>
<u>1120</u>	<u>11-23</u>	<u>6.75</u>	<u>621</u>	<u>7</u>	<u>1.80</u>	<u>52.2</u>	<u>1500</u>	<u>5.54</u>
<u>1123</u>	<u>11-22</u>	<u>6.76</u>	<u>620</u>	<u>6</u>	<u>1.78</u>	<u>54.7</u>	<u>1800</u>	<u>5.54</u>

Did well dewater? Yes <input checked="" type="radio"/> No <input type="radio"/>	Amount actually evacuated: <u>1.8L</u>
Sampling Time: <u>1124</u>	Sampling Date: <u>2/13/14</u>
Sample I.D.: <u>MW-6</u>	Laboratory: <u>Lamson</u>
Analyzed for: <u>TPH</u> <u>BTEX</u> <u>MTBE</u> <u>TPH</u>	Other: <u>Sec C.O.C.</u>
Equipment Blank I.D.: <u>        </u> @ <u>        </u> Time	Duplicate I.D.: <u>        </u>

### LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>140213-PLC</u>	Client: <u>Chyron</u>
Sampler: <u>RK</u>	Gauging Date: <u>2/13/14</u>
Well I.D.: <u>MW-7</u>	Well Diameter (in.): <u>2</u> 3 4 6 8
Total Well Depth (ft.): <u>16-00</u>	Depth to Water (ft.): <u>6-55</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump  
 Sampling Method: Dedicated Tubing New Tubing Other \_\_\_\_\_  
 Start Purge Time: 12:20 Flow Rate: 100ml/min Pump Depth: 12-5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1226	11-45	6.82	542	14	1.42	10.2	600	6-62
1229	11-40	6.81	540	13	1.40	5.3	900	6-65
1232	11-39	6.81	540	13	1.41	4.9	1200	6-67
1235	11-35	6.80	537	12	1.38	4.8	1500	6-67
1238	11-37	6.79	537	12	1.39	3.1	1800	6-67

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated: <u>1-8L</u>
Sampling Time: <u>1239</u>	Sampling Date: <u>2/13/14</u>
Sample I.D.: <u>MW-7</u>	Laboratory: <u>Lanmaster</u>
Analyzed for: <u>THG</u> <u>BTEX</u> <u>MTBE</u> <u>THL-D</u>	Other: <u>See C.O.C.</u>
Equipment Blank I.D.: _____ @ _____	Duplicate I.D.: _____

### LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>140213-TM1</u>	Client: <u>Chevron</u>
Sampler: <u>PK</u>	Gauging Date: <u>2/13/14</u>
Well I.D.: <u>MW-8</u>	Well Diameter (in.): <u>2</u> 3 4 6 8
Total Well Depth (ft.): <u>17-60</u>	Depth to Water (ft.): <u>7-65</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>ENC</u> Grade	Flow Cell Type: <u>YS-556</u>

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 0850      Flow Rate: 100 mL/min      Pump Depth: 12.5'

Time	Temp. ( <u>°C</u> or °F)	pH	Cond. (mS/cm or <u>µS/cm</u> )	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0856	10.81	6.95	655	13	1.80	75.3	600	7.67
0859	10.80	6.91	650	12	1.81	70.9	900	7.70
0902	10.80	6.91	649	11	1.81	71.7	1200	7.70
0905	10.81	6.92	649	11	1.80	70.2	1500	7.71
0908	10.81	6.92	648	10	1.79	65.4	1800	7.71

Did well dewater? Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u>1.8L</u>
Sampling Time: <u>0909</u>	Sampling Date: <u>2/13/14</u>
Sample I.D.: <u>MW-8</u>	Laboratory: <u>LANCASTER</u>
Analyzed for: <u>TPH</u> <u>BTEX</u> <u>MTBE</u> <u>TPH</u>	Other: <u>500 G.O.C.</u>
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: _____

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ■ 6001 Bollinger Canyon Road ■ San Ramon, CA 94583-2324 COC 1 of 1

Chevron Site Number: <u>35-1448</u> Program Designation: <u>CMP</u> Site Address (street, city, state / county): <u>200 S 36th St, Bellingham, WA</u> Chevron PM: <u>J. Mark Inglis</u> Chevron PM Phone No.: <input type="checkbox"/> Retail and Terminal Business Unit (RTBU) Job <input type="checkbox"/> Construction/Retail Job				Chevron Consultant: <u>Leidos</u> Address: <u>18912 North Creek Parkway, Suite 101, Bothell, WA 98011</u> Consultant Contact: <u>Ron Santos</u> Consultant Phone No. <u>(208) 429-3772</u> Consultant Project No. <u>140213-RP1</u> Sampling Company: <u>Blaine Tech Services</u> Sampled By (Print): <u>Ricky Dupuy</u> Sampler Signature: <u>[Signature]</u>				ANALYSES REQUIRED																
Charge Code: <u>NWRTB 00SITE NUMBER-0- OML</u> WBS ELEMENTS: SITE ASSESSMENT: A1L    REMEDIATION IMPLEMENTATION: R5L SITE MONITORING: OML    OPERATION MAINTENANCE & MONITORING: M1L				Lancaster Laboratories <input checked="" type="checkbox"/> Lancaster, PA Lab Contact: Megan Moeller 2425 New Holland Pike, Lancaster, PA 17601 Phone No: (717)658-2300			Other Lab _____ _____ _____ _____ _____			Temp. Blank Check Time    Temp. <u>0830</u> <u>3°C</u> <u>1030</u> <u>3°C</u> <u>1230</u> <u>3°C</u> _____ _____			Preservation Codes H = HCL, T = Thiosulfate N = HNO <sub>3</sub> , B = NaOH S = H <sub>2</sub> SO <sub>4</sub> , O = Other  Special Instructions _____ _____ _____											
SAMPLE ID				TPH-DRO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-Dx w/ sec) TPH-ORO w SILICA GEL CLEANUP (97-602M) (NWTPH-Dx w/ sec) TPH-HRO w SILICA GEL CLEANUP (97-602M) (NWTPH-Dx w/ sec) 8260B FULL SCAN VOCs <input type="checkbox"/> EDCO <input type="checkbox"/> TBAO <input type="checkbox"/> TAMEO <input type="checkbox"/> EDBO ETHANOL <input type="checkbox"/> BTX <input type="checkbox"/> MTBE <input type="checkbox"/> PAH's <input type="checkbox"/> CPAH's <input type="checkbox"/> 8270 SIM TPH-G (NWTPH-Gx) ALKALINITY 2320 <input type="checkbox"/> DISSOLVED LEAD (6020) TPH-D AND TPH-O BY (NWTPH-Dx) RBDM VOCs (OREGON RISK BASED DECISION MAKING LIST) SULFATE 300 <input type="checkbox"/> NITRATE 300 <input type="checkbox"/> FERROUS IRON SM20.3500 <input type="checkbox"/>																				
Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	# of Containers	Container Type	Notes/Comments																	
MW-1	GW	-	140213	0941	8	Various																		
MW-2		-	140213	0834																				
MW-3		-	140213	1048																				
MW-4		-	140213	1202																				
MW-5		-	140213	1014																				
MW-6		-	140213	1124																				
MW-7		-	140213	1239																				
MW-8	↓	-	140213	0909	↓	↓																		
BA	T	-	140213	0810	3	VOA																		
Relinquished By			Company	Date/Time:		Relinquished To			Company	Date/Time		Turnaround Time:												
[Signature]				2/13/14								Standard <input checked="" type="checkbox"/> 24 Hours <input type="checkbox"/> 48 hours <input type="checkbox"/> 72 Hours <input type="checkbox"/> Other <input type="checkbox"/>												
Relinquished By			Company	Date/Time		Relinquished To			Company	Date/Time		Sample Integrity: (Check by lab on arrival)												
Relinquished By			Company	Date/Time		Relinquished To			Company	Date/Time		Intact:    On Ice:    Temp:    COC #												





Blaine Tech Services, Inc.

### Permit To Work for Chevron EMC Sites

Client: Chevron Date 2/13/14  
Site Address: 200 S 30th St, Bellingham  
Job Number: 140213-PR1 Technician(s): prc

#### Pre-Job Safety Review

1. JMP reviewed, site restrictions and parking/access issues addressed.	Reviewed: <input checked="" type="checkbox"/>
2. Special Permit Required Task Review	
Are there any conditions or tasks that would require:	
	Yes No
Confined space entry	<input type="checkbox"/> <input checked="" type="checkbox"/>
Working at height	<input type="checkbox"/> <input checked="" type="checkbox"/>
Lock-out/Tag-out	<input type="checkbox"/> <input checked="" type="checkbox"/>
Excavations greater than 4 feet deep	<input type="checkbox"/> <input checked="" type="checkbox"/>
Excavations within 3 feet of a buried active electrical line or product piping or within 10 feet of a high pressure gas line.	<input type="checkbox"/> <input checked="" type="checkbox"/>
Use of overhead equipment within 15 feet of an overhead electrical power line or pole supporting one	<input type="checkbox"/> <input checked="" type="checkbox"/>
Hot work	<input type="checkbox"/> <input checked="" type="checkbox"/>
If "Yes" was the answer to any of the Special Permit Required Tasks above, the Project Manager will contact the client and arrange to modify the Scope of Work so that the Special Permit Required Tasks are not required to be performed by Blaine Tech Services employees.	
3. Is a Traffic Control Permit required for today's work?	Yes No
	<input type="checkbox"/> <input checked="" type="checkbox"/>
	If so is it in the folder? <input checked="" type="checkbox"/> <input type="checkbox"/>
	Is it current? <input checked="" type="checkbox"/> <input type="checkbox"/>
Do you understand the Traffic Control Plan and what equipment you will need? <input checked="" type="checkbox"/> <input type="checkbox"/>	

#### On site Pre-Job Safety Review

1. Reviewed and signed the site specific HASP.	<input checked="" type="checkbox"/>
2. Route to hospital understood.	<input checked="" type="checkbox"/>
3. Reviewed "Groundwater Monitoring Well Sampling General Job Safety Analysis included in the HASP.	<input checked="" type="checkbox"/>
4. Exceptional circumstances today that are not covered by the HASP, JSA or JMP have been addressed and mitigated.	<input checked="" type="checkbox"/>
5. Understands procedure to follow, if site circumstances change, to address new site hazards.	<input checked="" type="checkbox"/>
6. There are no unexpected conditions which would make your task a Special Permit Required Task. If there is, contact your Project Manager.	<input checked="" type="checkbox"/>
7. All site hazards have been communicated to all necessary onsite personnel during tailgate safety meeting.	<input checked="" type="checkbox"/>
8. After lunch tailgate safety meeting refresher conducted.	<input checked="" type="checkbox"/>
If Checklist Task cannot be completed, explain:	

Permit To Work Authority: AKS Name Title prc Date 2/18/13 Time 1100



**Attachment B:**  
**Laboratory Analysis Report**

---

## ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Chevron  
L4310  
6001 Bollinger Canyon Road  
San Ramon CA 94583

February 26, 2014

Project: 351448

Submittal Date: 02/15/2014

Group Number: 1452779

PO Number: 0015131748

Release Number: HOPKINS/INGLIS

State of Sample Origin: WA

<u>Client Sample Description</u>	<u>Lancaster Labs (LL) #</u>
MW-1 NA Groundwater	7364936
MW-2 NA Groundwater	7364937
MW-3 NA Groundwater	7364938
MW-4 NA Groundwater	7364939
MW-5 NA Groundwater	7364940
MW-6 NA Groundwater	7364941
MW-7 NA Groundwater	7364942
MW-8 NA Groundwater	7364943
QA NA Water	7364944

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

ELECTRONIC      Blaine Tech Services

Attn: Alex Stack

COPY TO

ELECTRONIC      Leidos

Attn: Kinga Kozlowska

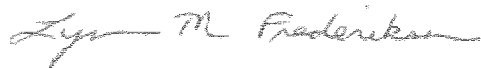
COPY TO

ELECTRONIC      Leidos

Attn: Ron Santos

COPY TO

Respectfully Submitted,



Lynn M. Frederiksen  
Principal Specialist Group Leader

(717) 556-7255



Lancaster Laboratories  
Environmental

# Analysis Report

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

Sample Description: MW-1 NA Groundwater  
Facility# 351448  
200 S 36th St - Bellingham, WA

LL Sample # WW 7364936  
LL Group # 1452779  
Account # 11255

Project Name: 351448

Collected: 02/13/2014 09:41 by RD

Chevron

L4310

Submitted: 02/15/2014 10:25

6001 Bollinger Canyon Road

Reported: 02/26/2014 11:47

San Ramon CA 94583

36B01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>					
	<b>SW-846 8260B</b>		<b>ug/l</b>	<b>ug/l</b>	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethanol	64-17-5	N.D.	50	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
<b>GC Volatiles</b>					
	<b>ECY 97-602 NWTPH-Gx</b>		<b>ug/l</b>	<b>ug/l</b>	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
<b>GC Petroleum Hydrocarbons</b>					
	<b>ECY 97-602 NWTPH-Dx modified</b>		<b>ug/l</b>	<b>ug/l</b>	
08271	Diesel Range Organics C12-C24	n.a.	110	32	1
08271	Heavy Range Organics C24-C40	n.a.	150	74	1

### General Sample Comments

State of Washington Lab Certification No. C457

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	F140522AA	02/21/2014 07:29	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F140522AA	02/21/2014 07:29	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14055B53A	02/25/2014 14:09	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14055B53A	02/25/2014 14:09	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	140520021A	02/24/2014 22:50	Heather E Williams	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	140520021A	02/24/2014 05:50	Roman Kuropatkin	1



# Analysis Report

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

Sample Description: MW-2 NA Groundwater  
Facility# 351448  
200 S 36th St - Bellingham, WA

LL Sample # WW 7364937  
LL Group # 1452779  
Account # 11255

Project Name: 351448

Collected: 02/13/2014 08:34 by RD

Chevron

L4310

Submitted: 02/15/2014 10:25

6001 Bollinger Canyon Road

Reported: 02/26/2014 11:47

San Ramon CA 94583

36B02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>					
	<b>SW-846 8260B</b>		<b>ug/l</b>	<b>ug/l</b>	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethanol	64-17-5	N.D.	50	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
<b>GC Volatiles</b>					
	<b>ECY 97-602 NWTPH-Gx</b>		<b>ug/l</b>	<b>ug/l</b>	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
<b>GC Petroleum Hydrocarbons</b>					
	<b>ECY 97-602 NWTPH-Dx modified</b>		<b>ug/l</b>	<b>ug/l</b>	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	32	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	74	1

### General Sample Comments

State of Washington Lab Certification No. C457

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	F140522AA	02/21/2014 07:50	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F140522AA	02/21/2014 07:50	Anita M Dale	1
08273	NWTPH Gx water C7 C12	ECY 97-602 NWTPH-Gx	1	14055B53A	02/25/2014 14:35	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14055B53A	02/25/2014 14:35	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	140520021A	02/24/2014 20:57	Heather E Williams	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	140520021A	02/24/2014 05:50	Roman Kuropatkin	1



Lancaster Laboratories  
Environmental

# Analysis Report

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

Sample Description: MW-3 NA Groundwater  
Facility# 351448  
200 S 36th St - Bellingham, WA

LL Sample # WW 7364938  
LL Group # 1452779  
Account # 11255

Project Name: 351448

Collected: 02/13/2014 10:48 by RD Chevron  
L4310  
Submitted: 02/15/2014 10:25 6001 Bollinger Canyon Road  
Reported: 02/26/2014 11:47 San Ramon CA 94583

36B03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>					
		<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethanol	64-17-5	N.D.	50	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
<b>GC Volatiles</b>					
		<b>ECY 97-602 NWTPH-Gx</b>	<b>ug/l</b>	<b>ug/l</b>	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
<b>GC Petroleum Hydrocarbons</b>					
		<b>ECY 97-602 NWTPH-Dx modified</b>	<b>ug/l</b>	<b>ug/l</b>	
08271	Diesel Range Organics C12-C24	n.a.	110	31	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	73	1

### General Sample Comments

State of Washington Lab Certification No. C457

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	F140521AA	02/21/2014 07:40	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F140521AA	02/21/2014 07:40	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14055B53A	02/25/2014 15:02	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14055B53A	02/25/2014 15:02	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	140520021A	02/24/2014 21:43	Heather E Williams	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	140520021A	02/24/2014 05:50	Roman Kuropatkin	1

Sample Description: MW-4 NA Groundwater  
Facility# 351448  
200 S 36th St - Bellingham, WA

LL Sample # WW 7364939  
LL Group # 1452779  
Account # 11255

Project Name: 351448

Collected: 02/13/2014 12:02 by RD

Chevron

L4310

Submitted: 02/15/2014 10:25

6001 Bollinger Canyon Road

Reported: 02/26/2014 11:47

San Ramon CA 94583

36B04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>					
	<b>SW-846 8260B</b>		<b>ug/l</b>	<b>ug/l</b>	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethanol	64-17-5	N.D.	50	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
<b>GC Volatiles</b>					
	<b>ECY 97-602 NWTPH-Gx</b>		<b>ug/l</b>	<b>ug/l</b>	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
<b>GC Petroleum Hydrocarbons</b>					
	<b>ECY 97-602 NWTPH-Dx modified</b>		<b>ug/l</b>	<b>ug/l</b>	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	32	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	75	1

### General Sample Comments

State of Washington Lab Certification No. C457

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	D140521AA	02/21/2014 14:58	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D140521AA	02/21/2014 14:58	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14055B53A	02/25/2014 17:46	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14055B53A	02/25/2014 17:46	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	140520021A	02/24/2014 21:20	Heather E Williams	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	140520021A	02/24/2014 05:50	Roman Kuropatkin	1



Lancaster Laboratories  
Environmental

# Analysis Report

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

Sample Description: MW-5 NA Groundwater  
Facility# 351448  
200 S 36th St - Bellingham, WA

LL Sample # WW 7364940  
LL Group # 1452779  
Account # 11255

Project Name: 351448

Collected: 02/13/2014 10:14 by RD Chevron  
L4310  
Submitted: 02/15/2014 10:25 6001 Bollinger Canyon Road  
Reported: 02/26/2014 11:47 San Ramon CA 94583

36B05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>					
	<b>SW-846 8260B</b>		<b>ug/l</b>	<b>ug/l</b>	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethanol	64-17-5	N.D.	50	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
<b>GC Volatiles</b>					
	<b>ECY 97-602 NWTPH-Gx</b>		<b>ug/l</b>	<b>ug/l</b>	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
<b>GC Petroleum Hydrocarbons</b>					
	<b>ECY 97-602 NWTPH-Dx modified</b>		<b>ug/l</b>	<b>ug/l</b>	
08271	Diesel Range Organics C12-C24	n.a.	120	32	1
08271	Heavy Range Organics C24-C40	n.a.	140	74	1

### General Sample Comments

State of Washington Lab Certification No. C457

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	D140521AA	02/21/2014 12:40	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D140521AA	02/21/2014 12:40	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14055B53A	02/25/2014 18:12	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14055B53A	02/25/2014 18:12	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	140520021A	02/24/2014 23:13	Heather E Williams	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	140520021A	02/24/2014 05:50	Roman Kuropatkin	1



# Analysis Report

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

Sample Description: MW-6 NA Groundwater  
Facility# 351448  
200 S 36th St - Bellingham, WA

LL Sample # WW 7364941  
LL Group # 1452779  
Account # 11255

Project Name: 351448

Collected: 02/13/2014 11:24 by RD

Chevron

L4310

Submitted: 02/15/2014 10:25

6001 Bollinger Canyon Road

Reported: 02/26/2014 11:47

San Ramon CA 94583

36B06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>					
		<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethanol	64-17-5	N.D.	50	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
<b>GC Volatiles</b>					
		<b>ECY 97-602 NWTPH-Gx</b>	<b>ug/l</b>	<b>ug/l</b>	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
<b>GC Petroleum Hydrocarbons</b>					
		<b>ECY 97-602 NWTPH-Dx modified</b>	<b>ug/l</b>	<b>ug/l</b>	
08271	Diesel Range Organics C12-C24	n.a.	65	31	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	73	1

### General Sample Comments

State of Washington Lab Certification No. C457

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	D140521AA	02/21/2014 13:49	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D140521AA	02/21/2014 13:49	Daniel H Heller	1
08273	NWTPH Cx water C7 C12	ECY 97-602 NWTPH-Gx	1	14055B53A	02/25/2014 18:39	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14055B53A	02/25/2014 18:39	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	140520021A	02/24/2014 22:05	Heather E Williams	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	140520021A	02/24/2014 05:50	Roman Kuropatkin	1



Lancaster Laboratories  
Environmental

# Analysis Report

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

Sample Description: MW-7 NA Groundwater  
Facility# 351448  
200 S 36th St - Bellingham, WA

LL Sample # WW 7364942  
LL Group # 1452779  
Account # 11255

Project Name: 351448

Collected: 02/13/2014 12:39 by RD Chevron  
L4310  
Submitted: 02/15/2014 10:25 6001 Bollinger Canyon Road  
Reported: 02/26/2014 11:47 San Ramon CA 94583

36B07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>					
	<b>SW-846 8260B</b>		<b>ug/l</b>	<b>ug/l</b>	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethanol	64-17-5	N.D.	50	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
<b>GC Volatiles</b>					
	<b>ECY 97-602 NWTPH-Gx</b>		<b>ug/l</b>	<b>ug/l</b>	
08273	NWTPH-Gx water C7-C12	n.a.	290	50	1
<b>GC Petroleum Hydrocarbons</b>					
	<b>ECY 97-602 NWTPH-Dx modified</b>		<b>ug/l</b>	<b>ug/l</b>	
08271	Diesel Range Organics C12-C24	n.a.	680	34	1
08271	Heavy Range Organics C24-C40	n.a.	130	80	1

### General Sample Comments

State of Washington Lab Certification No. C457

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	D140521AA	02/21/2014 14:12	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D140521AA	02/21/2014 14:12	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14055B53A	02/25/2014 19:06	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14055B53A	02/25/2014 19:06	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	140520021A	02/24/2014 22:28	Heather E Williams	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	140520021A	02/24/2014 05:50	Roman Kuropatkin	1

Sample Description: MW-8 NA Groundwater  
Facility# 351448  
200 S 36th St - Bellingham, WA

LL Sample # WW 7364943  
LL Group # 1452779  
Account # 11255

Project Name: 351448

Collected: 02/13/2014 09:09 by RD

Chevron

L4310

Submitted: 02/15/2014 10:25

6001 Bollinger Canyon Road

Reported: 02/26/2014 11:47

San Ramon CA 94583

36B08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>					
		<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	
10943	Benzene	71-43-2	0.5	0.5	1
10943	Ethanol	64-17-5	N.D.	50	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
<b>GC Volatiles</b>					
		<b>ECY 97-602 NWTPH-Gx</b>	<b>ug/l</b>	<b>ug/l</b>	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
<b>GC Petroleum Hydrocarbons</b>					
		<b>ECY 97-602 NWTPH-Dx modified</b>	<b>ug/l</b>	<b>ug/l</b>	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	31	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	73	1

### General Sample Comments

State of Washington Lab Certification No. C457

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	D140521AA	02/21/2014 14:35	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D140521AA	02/21/2014 14:35	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14055B53A	02/25/2014 19:32	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14055B53A	02/25/2014 19:32	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	140520021A	02/24/2014 23:35	Heather E Williams	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	140520021A	02/24/2014 05:50	Roman Kuropatkin	1



Lancaster Laboratories  
Environmental

# Analysis Report

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

Sample Description: QA NA Water  
Facility# 351448  
200 S 36th St - Bellingham, WA

LL Sample # WW 7364944  
LL Group # 1452779  
Account # 11255

Project Name: 351448

Collected: 02/13/2014 08:10

Chevron

L4310

Submitted: 02/15/2014 10:25

6001 Bollinger Canyon Road

Reported: 02/26/2014 11:47

San Ramon CA 94583

36BQA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>					
		<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethanol	64-17-5	N.D.	50	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
<b>GC Volatiles</b>					
		<b>ECY 97-602 NWTPH-Gx</b>	<b>ug/l</b>	<b>ug/l</b>	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1

### General Sample Comments

State of Washington Lab Certification No. C457

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	D140521AA	02/21/2014 12:18	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D140521AA	02/21/2014 12:18	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14055B53A	02/25/2014 12:22	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14055B53A	02/25/2014 12:22	Marie D Beamenderfer	1

## Quality Control Summary

 Client Name: Chevron  
 Reported: 02/26/14 at 11:47 AM

Group Number: 1452779

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

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

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: D140521AA	Sample number(s): 7364939-7364944							
Benzene	N.D.	0.5	ug/l	105		78-120		
Ethanol	N.D.	50.	ug/l	76		54-149		
Ethylbenzene	N.D.	0.5	ug/l	99		79-120		
Toluene	N.D.	0.5	ug/l	103		80-120		
Xylene (Total)	N.D.	0.5	ug/l	102		80-120		
Batch number: F140521AA	Sample number(s): 7364938							
Benzene	N.D.	0.5	ug/l	90		78-120		
Ethanol	N.D.	50.	ug/l	103		54-149		
Ethylbenzene	N.D.	0.5	ug/l	87		79-120		
Toluene	N.D.	0.5	ug/l	89		80-120		
Xylene (Total)	N.D.	0.5	ug/l	89		80-120		
Batch number: F140522AA	Sample number(s): 7364936-7364937							
Benzene	N.D.	0.5	ug/l	90		78-120		
Ethanol	N.D.	50.	ug/l	86		54-149		
Ethylbenzene	N.D.	0.5	ug/l	86		79-120		
Toluene	N.D.	0.5	ug/l	88		80-120		
Xylene (Total)	N.D.	0.5	ug/l	89		80-120		
Batch number: 14055B53A	Sample number(s): 7364936-7364944							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	108		75-135		
Batch number: 140520021A	Sample number(s): 7364936-7364943							
Diesel Range Organics C12-C24	N.D.	30.	ug/l	80	72	50-113	10	20
Heavy Range Organics C24-C40	N.D.	70.	ug/l					

### Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: D140521AA	Sample number(s): 7364939-7364944 UNSPK: 7364940								
Benzene	102	106	72-134	4	30				
Ethanol	67	69	53-146	3	30				
Ethylbenzene	98	105	71-134	7	30				
Toluene	102	109	80-125	7	30				
Xylene (Total)	101	110	79-125	8	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.

## Quality Control Summary

Client Name: Chevron  
Reported: 02/26/14 at 11:47 AM

Group Number: 1452779

### Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: F140521AA	Sample number(s): 7364938 UNSPK: 7364938								
Benzene	98	96	72-134	1	30				
Ethanol	108	108	53-146	0	30				
Ethylbenzene	94	95	71-134	1	30				
Toluene	97	97	80-125	0	30				
Xylene (Total)	97	96	79-125	1	30				
Batch number: F140522AA	Sample number(s): 7364936-7364937 UNSPK: 7364937								
Benzene	93	93	72-134	0	30				
Ethanol	95	93	53-146	2	30				
Ethylbenzene	92	93	71-134	1	30				
Toluene	93	95	80-125	2	30				
Xylene (Total)	95	96	79-125	0	30				
Batch number: 14055B53A NWTPH-Gx water C7-C12	Sample number(s): 7364936-7364944 UNSPK: P368008								
	127	127	75-135	0	30				

### Surrogate Quality Control

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

Analysis Name: UST VOCs by 8260B - Water  
Batch number: D140521AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7364939	104	99	97	99
7364940	104	99	97	100
7364941	102	101	96	98
7364942	104	102	97	101
7364943	103	102	97	101
7364944	104	102	96	98
Blank	102	100	97	99
LCS	103	103	97	100
MS	103	105	96	99
MSD	103	101	97	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water  
Batch number: F140521AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7364938	101	99	98	98
Blank	100	100	97	96
LCS	102	101	97	98
MS	100	98	98	98
MSD	101	102	99	99

\*- Outside of specification

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

## Quality Control Summary

Client Name: Chevron  
Reported: 02/26/14 at 11:47 AM

Group Number: 1452779

### Surrogate Quality Control

Limits: 80-116      77-113      80-113      78-113

Analysis Name: UST VOCs by 8260B - Water

Batch number: F140522AA

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

7364936	99	101	98	95
7364937	101	102	97	95
Blank	102	102	98	97
LCS	101	104	98	97
MS	100	102	97	96
MSD	100	104	99	99

Limits: 80-116      77-113      80-113      78-113

Analysis Name: NWTPH-Gx water C7-C12

Batch number: 14055B53A

Trifluorotoluene-F

7364936	70
7364937	69
7364938	75
7364939	72
7364940	72
7364941	69
7364942	72
7364943	69
7364944	70
Blank	69
LCS	76
MS	77
MSD	77

Limits: 63-135

Analysis Name: NWTPH-Dx water

Batch number: 140520021A

Orthoterphenyl

7364936	91
7364937	103
7364938	102
7364939	93
7364940	94
7364941	93
7364942	95
7364943	98
Blank	95
LCS	103
LCSD	94

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.

**Quality Control Summary**

Client Name: Chevron  
Reported: 02/26/14 at 11:47 AM

Group Number: 1452779

\*- 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.

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ■ 6001 Bollinger Canyon Road ■ San Ramon, CA 94583-2324 COC 1 of 1

Chevron Site Number: <u>35-1448</u> Program Designation: <u>CMP</u> Site Address (street, city, state / county): <u>200 S 36th St.</u> <u>Bellingham, WA</u> Chevron PM: <u>J Mark Inglis</u> Chevron PM Phone No.: <input type="checkbox"/> Retail and Terminal Business Unit (RTBU) Job <input type="checkbox"/> Construction/Retail Job				Chevron Consultant: <u>Leidos</u> Address: <u>18912 North Creek Parkway, Suite 101</u> <u>Bothell, WA 98011</u> Consultant Contact: <u>Ron Santos</u> Consultant Phone No. <u>(208) 429-3772</u> Consultant Project No. <u>140213-R01</u> Sampling Company: <u>Blaine Tech Services</u> Sampled By (Print): <u>Ricky Dupuy</u> Sampler Signature:				ANALYSES REQUIRED																
Charge Code: <u>NWRTB 00SITE NUMBER-0- OML</u> <b>WBS ELEMENTS:</b> SITE ASSESSMENT: <u>A1L</u> REMEDIATION IMPLEMENTATION: <u>R5L</u> SITE MONITORING: <u>OML</u> OPERATION MAINTENANCE & MONITORING: <u>M1L</u>				Lancaster Laboratories <input checked="" type="checkbox"/> Lancaster, PA Lab Contact: Megan Moeller 2425 New Holland Pike, Lancaster, PA 17601 Phone No: (717)656-2300			Other Lab _____ _____ _____ _____			Temp. Blank Check Time Temp. <u>0830 30C</u> <u>1030 30C</u> <u>1230 30C</u>			TPH-DRO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-Dx w/ sec)	TPH-ORO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-Dx w/ sec)	TPH-HRO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-Dx w/ sec)	8260B FULL SCAN VOCs <input type="checkbox"/> ED <input type="checkbox"/> TBAO <input type="checkbox"/> TAMED <input type="checkbox"/> ED80 ETHANOL <input checked="" type="checkbox"/> BTEN <input checked="" type="checkbox"/> MTBEO	PAH's <input type="checkbox"/> CPAH's <input type="checkbox"/> 8270 SIM	TPH-G (NWTPH-Gx)	ALKALINITY 2320 <input type="checkbox"/>	DISSOLVED LEAD (6020)	TPH-D AND TPH-O BY (NWTPH-DX)	RBDM VOCs (OREGON RISK BASED DECISION - MAKING LIST) Sulfate 300 <input type="checkbox"/> Nitrate 300 <input type="checkbox"/> Ferrous Iron SM20.3500 <input type="checkbox"/>	Preservation Codes H = HCL T = Thiosulfate N = HNO <sub>3</sub> B = NaOH S = H <sub>2</sub> SO <sub>4</sub> O = Other Acc# 11255 Cap# 1453779 Sample# 7364936-44	Special Instructions
SAMPLE ID				Sample Time	# of Containers	Container Type	ANALYSES REQUIRED																	
Field Point Name	Matrix	Top Depth	Date (yymmdd)				TPH-DRO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-Dx w/ sec)	TPH-ORO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-Dx w/ sec)	TPH-HRO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-Dx w/ sec)	8260B FULL SCAN VOCs <input type="checkbox"/> ED <input type="checkbox"/> TBAO <input type="checkbox"/> TAMED <input type="checkbox"/> ED80 ETHANOL <input checked="" type="checkbox"/> BTEN <input checked="" type="checkbox"/> MTBEO	PAH's <input type="checkbox"/> CPAH's <input type="checkbox"/> 8270 SIM	TPH-G (NWTPH-Gx)	ALKALINITY 2320 <input type="checkbox"/>	DISSOLVED LEAD (6020)	TPH-D AND TPH-O BY (NWTPH-DX)	RBDM VOCs (OREGON RISK BASED DECISION - MAKING LIST) Sulfate 300 <input type="checkbox"/> Nitrate 300 <input type="checkbox"/> Ferrous Iron SM20.3500 <input type="checkbox"/>	Notes/Comments							
MW-1	GW	-	140213	0941	8	VOY amber				X	X			X										
MW-2	↓	-	140213	0834	↓	↓				X	X			X										
MW-3	↓	-	140213	1048	↓	↓				X	X			X										
MW-4	↓	-	140213	1202	↓	↓				X	X			X										
MW-5	↓	-	140213	1014	↓	↓				X	X			X										
MW-6	↓	-	140213	1124	↓	↓				X	X			X										
MW-7	↓	-	140213	1239	↓	↓				X	X			X										
MW-8	↓	-	140213	0909	↓	↓				X	X			X										
QA	T	-	140213	0810	3	VOA				X	X			X										
Relinquished By				Company		Date/Time: <u>2/13/14</u>		Relinquished To				Company: <u>LLI</u>		Date/Time: <u>2/14/14 08:00</u>		Turnaround Time: Standard <input checked="" type="checkbox"/> 24 Hours <input type="checkbox"/> 48 hours <input type="checkbox"/> 72 Hours <input type="checkbox"/> Other <input type="checkbox"/>								
Relinquished By				Company		Date/Time		Relinquished To				Company		Date/Time		Sample Integrity: (Check by lab on arrival) Intact: <input checked="" type="checkbox"/> On Ice: <input checked="" type="checkbox"/> Temp: <u>0.2-0.9</u>								
Relinquished By				Company		Date/Time		Relinquished To				Company: <u>ELVE</u>		Date/Time: <u>2/15/14 1025</u>		COC #								

# Explanation of Symbols and Abbreviations

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

<b>RL</b>	Reporting Limit	<b>BMQL</b>	Below Minimum Quantitation Level
<b>N.D.</b>	none detected	<b>MPN</b>	Most Probable Number
<b>TNTC</b>	Too Numerous To Count	<b>CP Units</b>	cobalt-chloroplatinate units
<b>IU</b>	International Units	<b>NTU</b>	nephelometric turbidity units
<b>umhos/cm</b>	micromhos/cm	<b>ng</b>	nanogram(s)
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>µg</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>mL</b>	milliliter(s)	<b>L</b>	liter(s)
<b>m<sup>3</sup></b>	cubic meter(s)	<b>µL</b>	microliter(s)
		<b>pg/L</b>	picogram/liter
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>ppm</b>	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.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## Data Qualifiers:

**C** – result confirmed by reanalysis.

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

## U.S. EPA CLP Data Qualifiers:

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

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

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

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

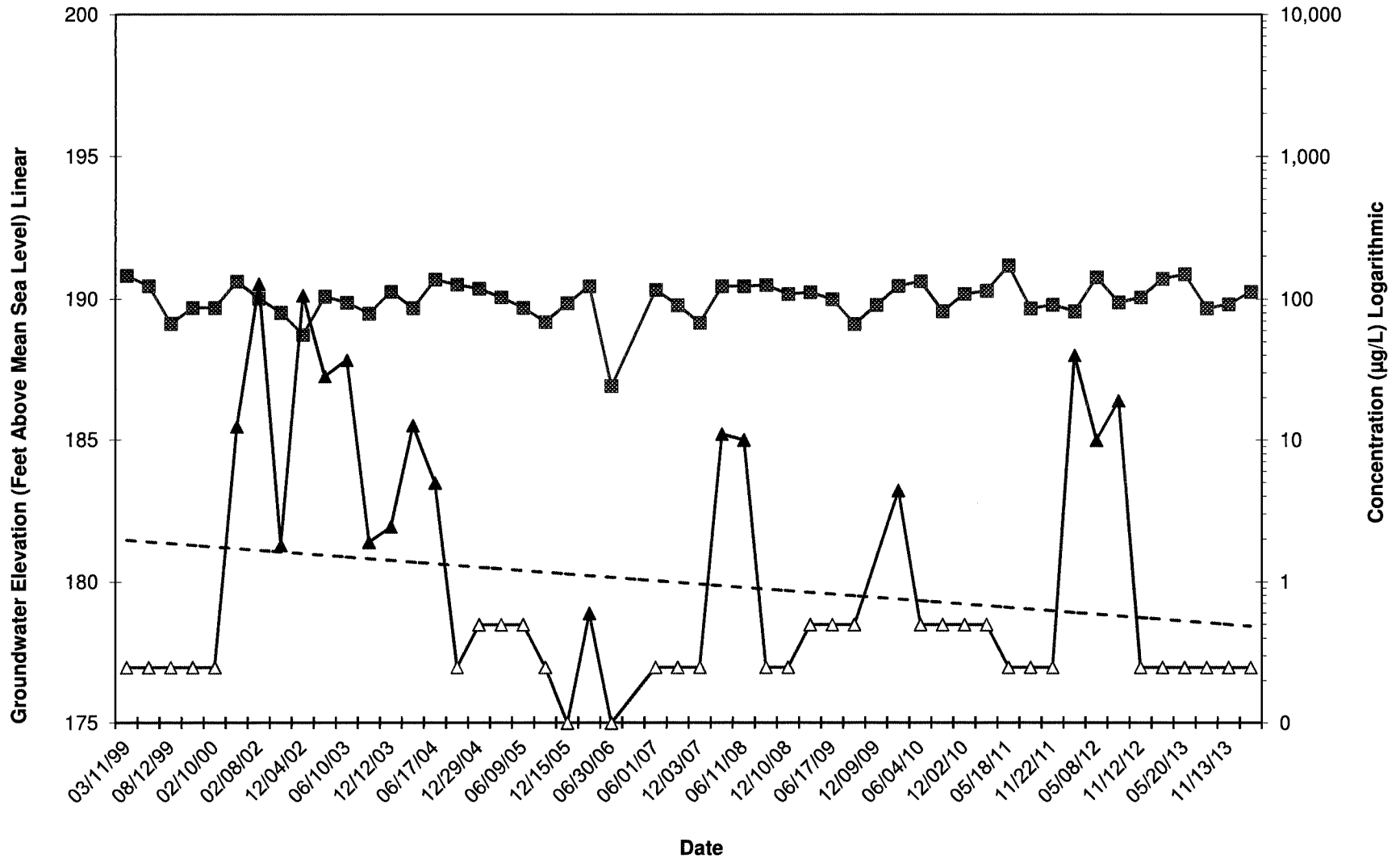
Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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**Attachment C:**  
**Hydrographs**

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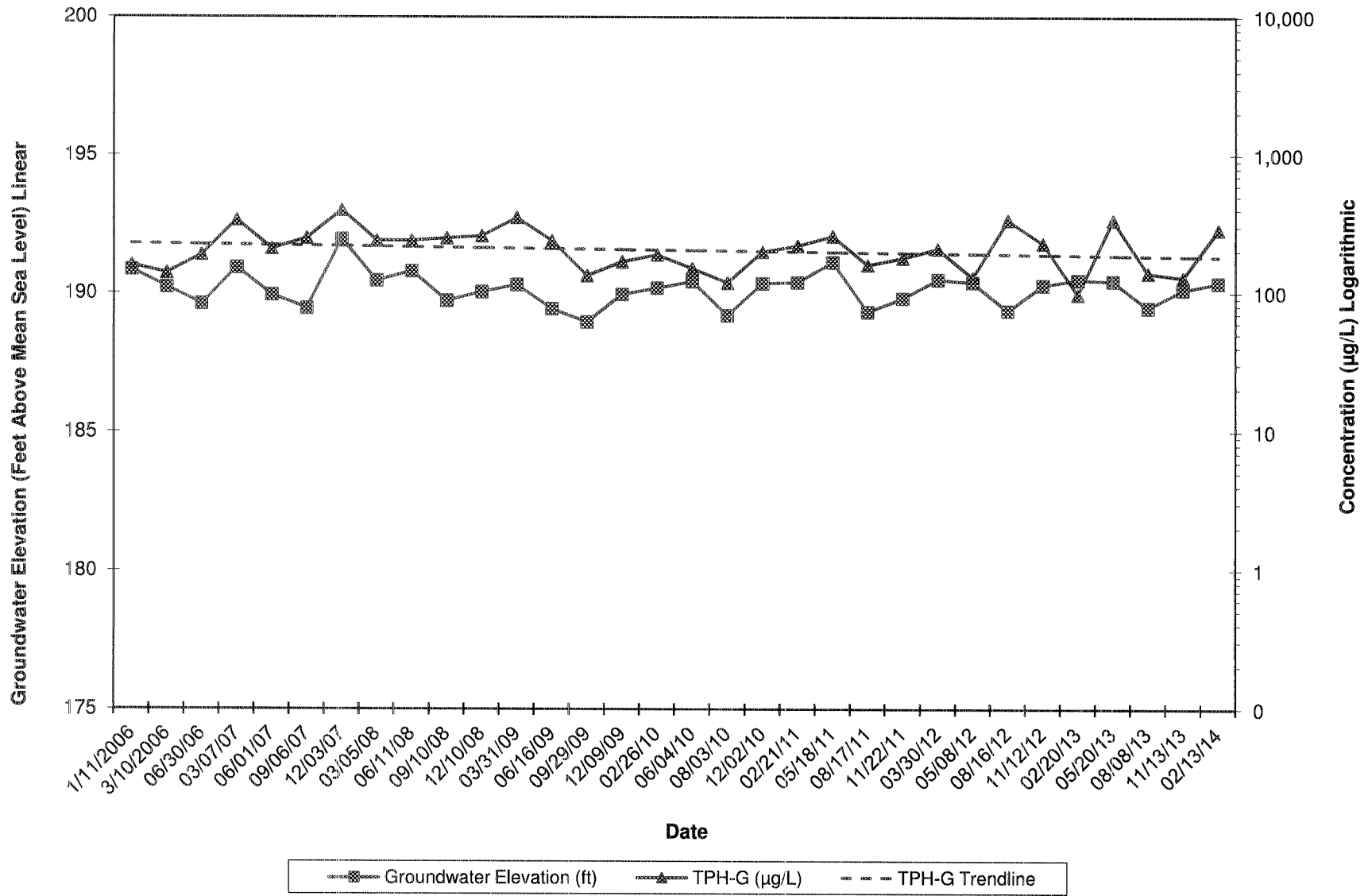
**Well MW-1  
Hydrograph - Benzene  
76 Products Facility No. 351448  
200 South 36th Street, Bellingham, Washington**



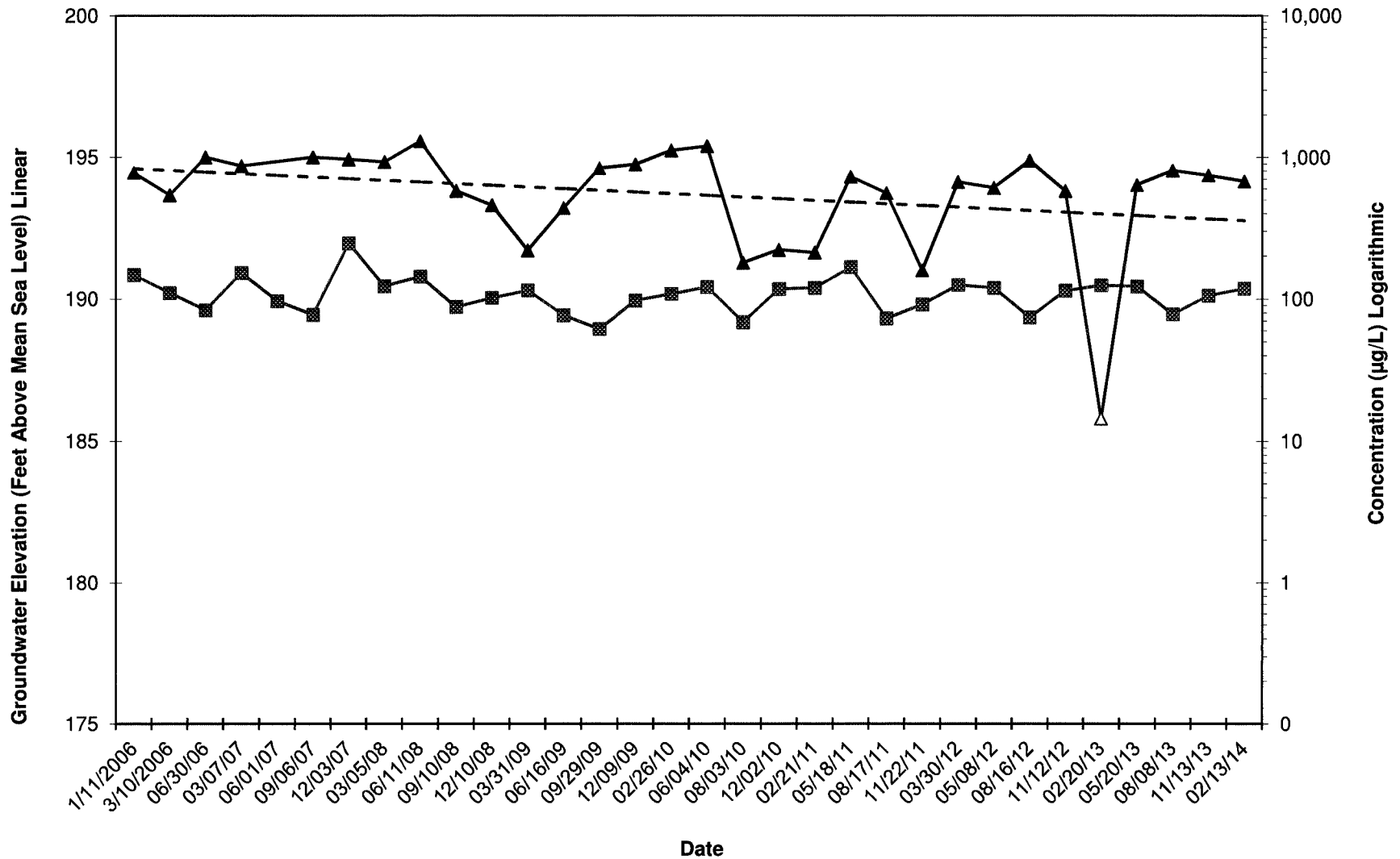
Groundwater Elevation (ft)
  Benzene (µg/L)
  Benzene = ND
  Benzene Trendline



**Well MW-7**  
**Hydrograph - Gasoline-Range Hydrocarbons**  
**76 Products Facility No. 351448**  
**200 South 36th Street, Bellingham, Washington**

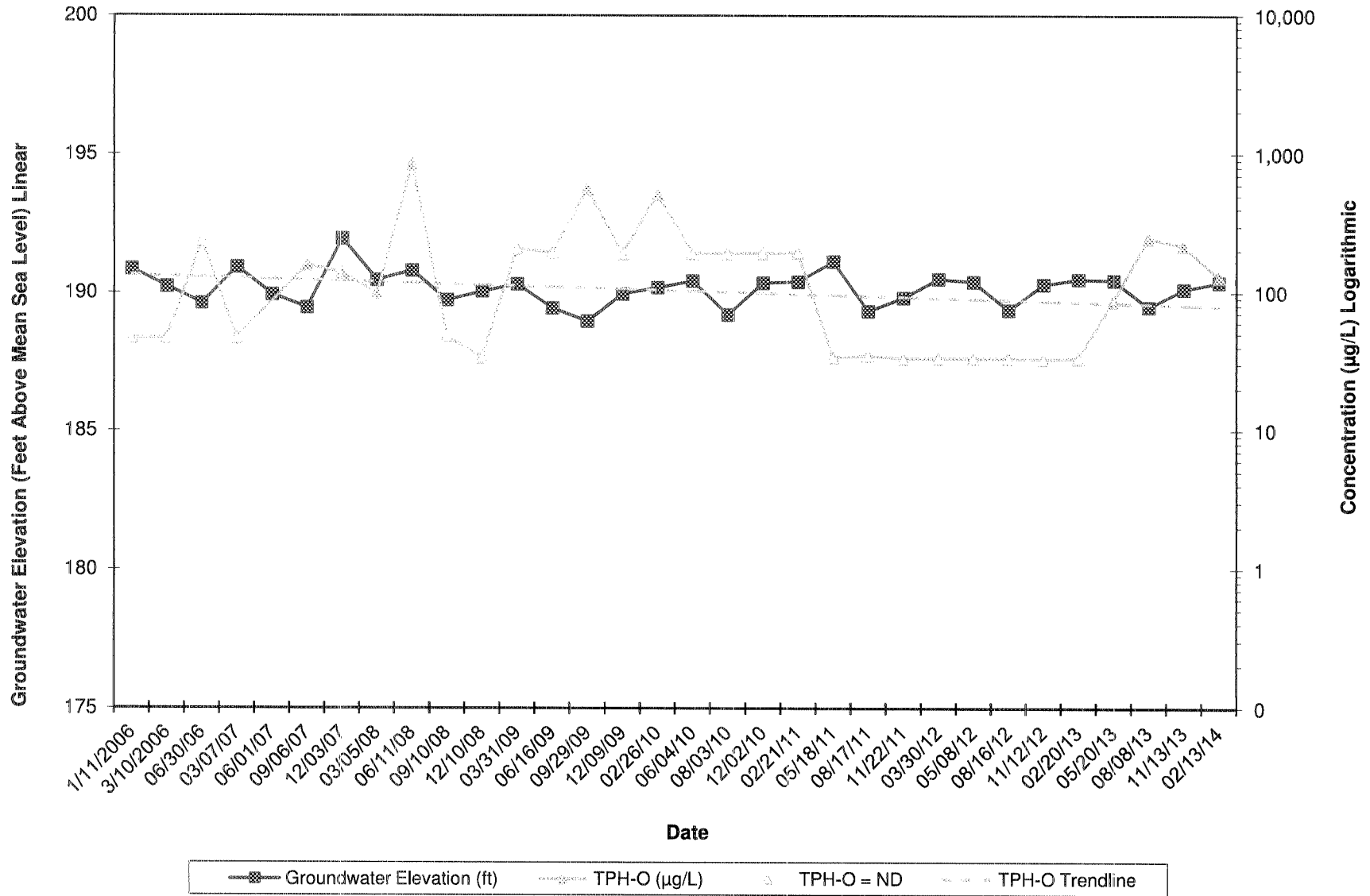


**Well MW-7**  
**Hydrograph - Diesel-Range Hydrocarbons**  
**76 Products Facility No. 351448**  
**200 South 36th Street, Bellingham, Washington**

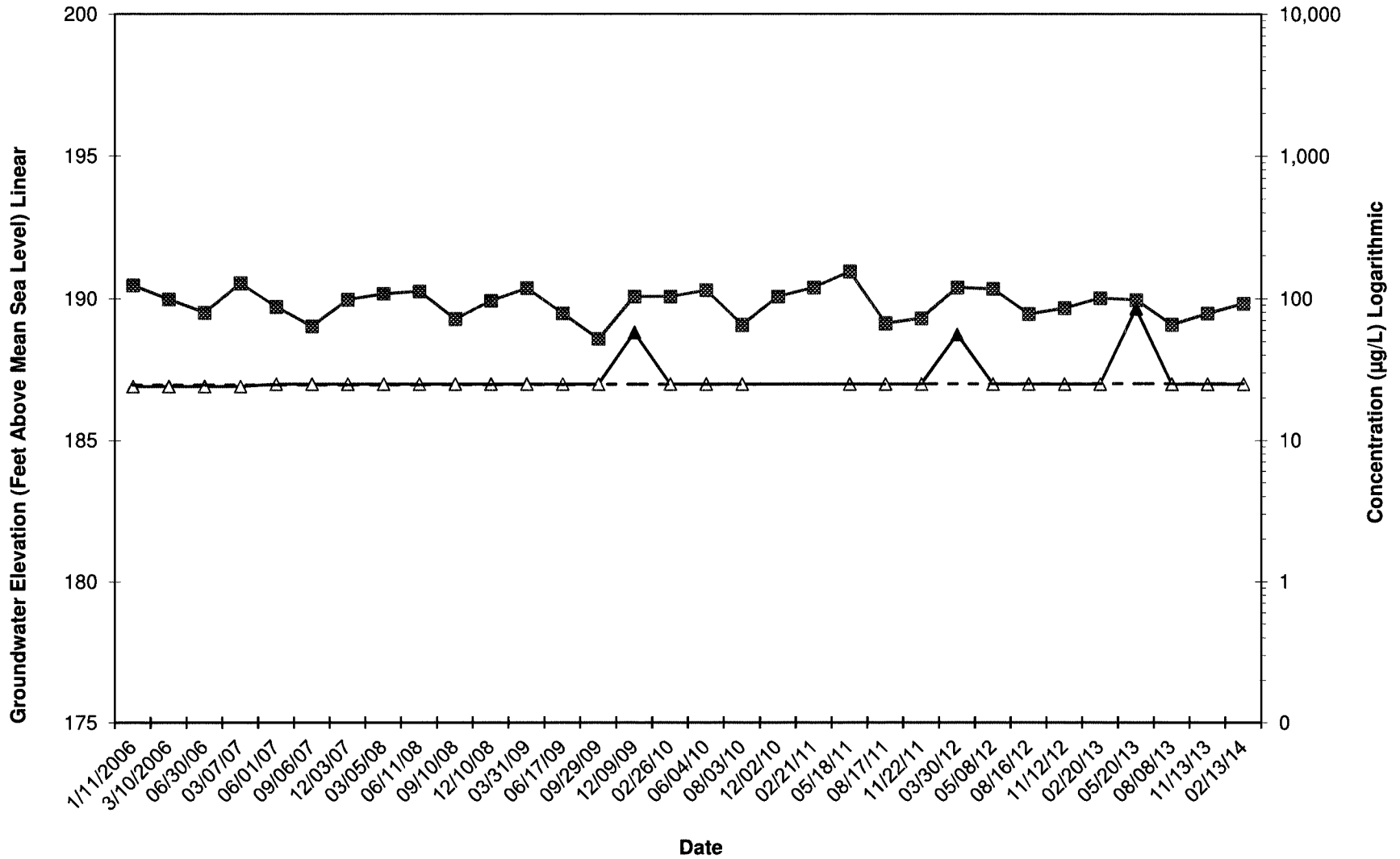


Groundwater Elevation (ft)
  TPH-D (µg/L)
  TPH-D = ND
  TPH-D Trendline

**Well MW-7**  
**Hydrograph - Heavy Oil-Range Hydrocarbons**  
**76 Products Facility No. 351448**  
**200 South 36th Street, Bellingham, Washington**



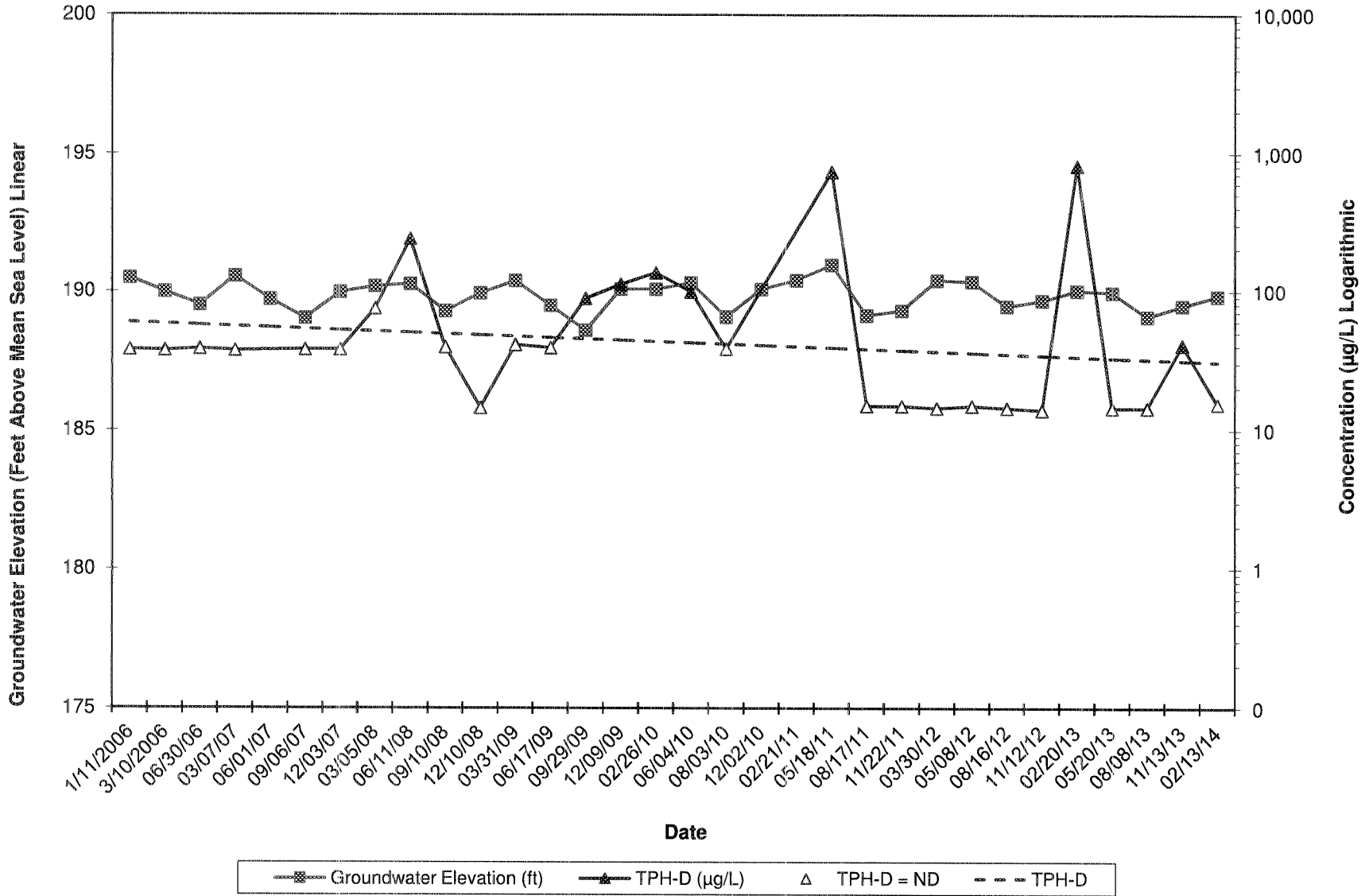
**Well MW-8**  
**Hydrograph - Gasoline-Range Hydrocarbons**  
**76 Products Facility No. 351448**  
**200 South 36th Street, Bellingham, Washington**



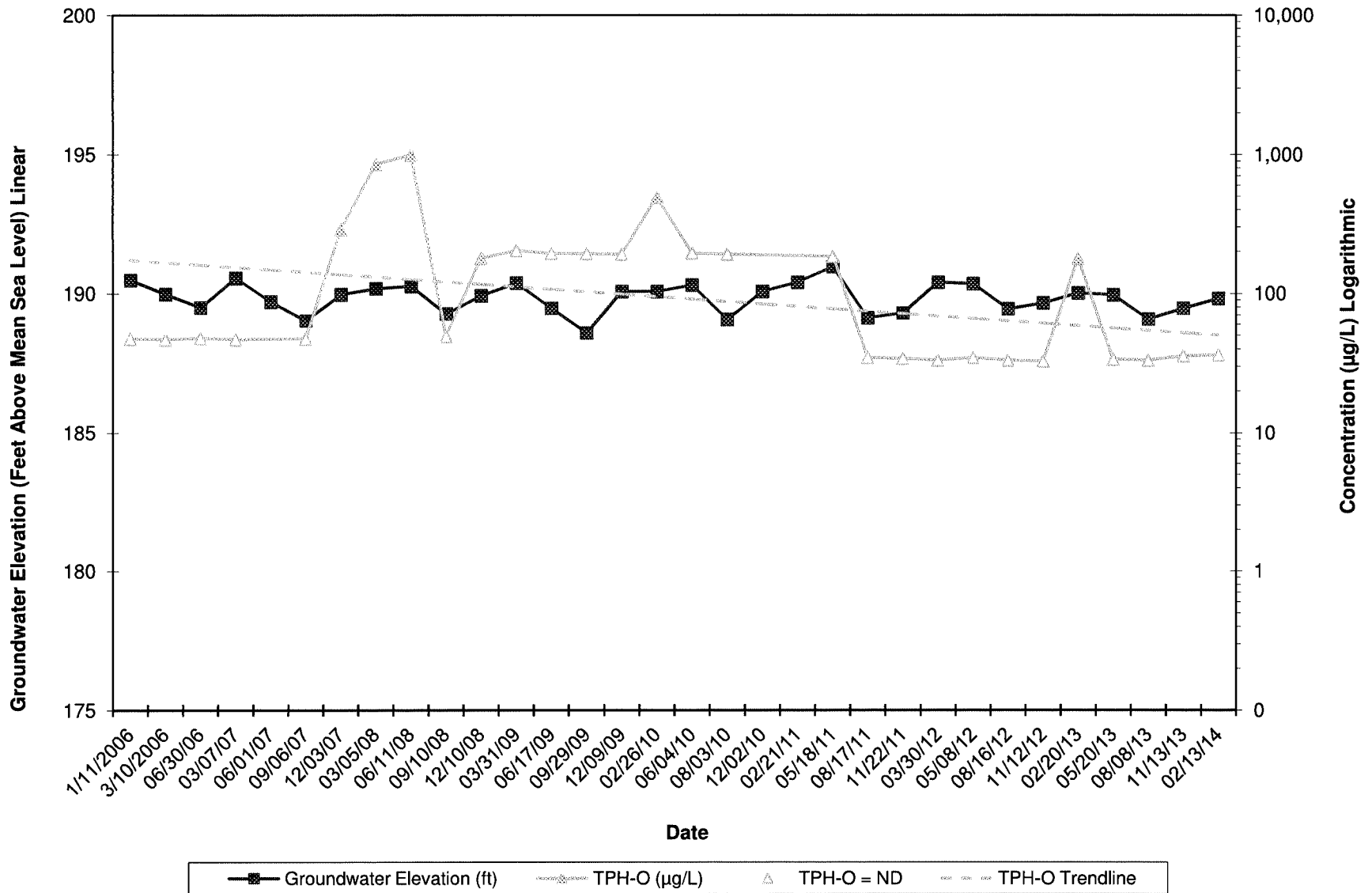
Groundwater Elevation (ft)
  TPH-G (µg/L)
  TPH-G = ND
  TPH-G Trendline



**Well MW-8**  
**Hydrograph - Diesel-Range Hydrocarbons**  
**76 Products Facility No. 351448**  
**200 South 36th Street, Bellingham, Washington**



**Well MW-8**  
**Hydrograph - Heavy Oil-Range Hydrocarbons**  
**76 Products Facility No. 351448**  
**200 South 36th Street, Bellingham, Washington**



**Well MW-8  
Hydrograph - Benzene  
76 Products Facility No. 351448  
200 South 36th Street, Bellingham, Washington**

