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February 15, 2012

ISSUE 5351

Mr. John Bails  
Washington State Department of Ecology  
Toxic Cleanup Program  
3190 160<sup>th</sup> Avenue SE  
Bellevue, Washington 98008

*Subject:* **Fourth Quarter 2011 Groundwater Monitoring and Sampling Report**  
**76 Products Facility No. 351439**  
202 Avenue D  
Snohomish, Washington  
Voluntary Cleanup Program Facility No. NW2531

Dear Mr. Bails:

On behalf of Chevron Environmental Management Company, for itself and as Attorney-in-Fact for Union Oil Company of California (hereafter EMC), SAIC Energy, Environment & Infrastructure, LLC (SAIC) 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 December 29, 2011. The Blaine Tech groundwater monitoring and sampling package is provided as Attachment A.

Based on decreasing hydrocarbon concentration trends, the groundwater monitoring and sampling frequency will be changed from a quarterly to semi-annual basis. Blaine Tech will perform groundwater monitoring activities during the first and third quarter of each year.

#### FIELD ACTIVITIES

On December 29, 2011, the depth to groundwater was measured in wells MW-1A, MW-2, MW-6A, MW-9, and MW-11 through MW-15. Based on historical data, wells MW-1, MW-9, MW-10, and MW-15 are not part of the monitoring program. The groundwater elevation ranged from 56.71 (MW-11) to 64.12 (MW-2) feet based on National Geodetic Vertical Datum of 1929. Groundwater flow is to the south-southeast at a gradient of approximately 0.01 to 0.1 foot per foot (ft/ft). A potentiometric map is provided on Figure 1.

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

Groundwater samples were submitted for the following analyses:

- Total petroleum hydrocarbons (TPH) as gasoline-range organics (TPH-G) by Northwest Method NWTPH-Gx;
- Benzene, toluene, ethylbenzene, and total xylenes, methyl tert-butyl ether, and ethanol by United States Environmental Protection Agency 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-6A, MW-11, and MW-12 are included as Attachment C.

## RESULTS

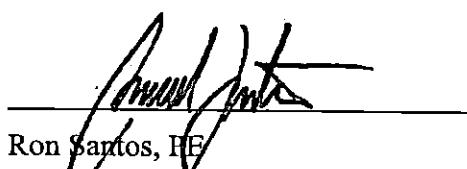
The results of the fourth quarter 2011 sampling event indicate that petroleum-hydrocarbon constituent concentrations are generally consistent and trending downward with respect to historical data. In addition, the groundwater elevation, flow direction, and gradient are consistent with historical measurements. Below is a summary of analytical results.

- Laboratory results indicate that the TPH-G concentration in monitoring well MW-6A exceeded the Model Toxics Control Act (MTCA) Method A cleanup level.
- Remaining analytes were below their respective MTCA Method A cleanup levels. In addition, no hydrocarbons were detected at or above laboratory detection limits in wells MW-2, MW-12, and MW-14.

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

Sincerely,

**SAIC Energy, Environment & Infrastructure, 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 of California  
Shoreline Investments Inc. – Property Owner  
Project File

## **REPORT LIMITATIONS**

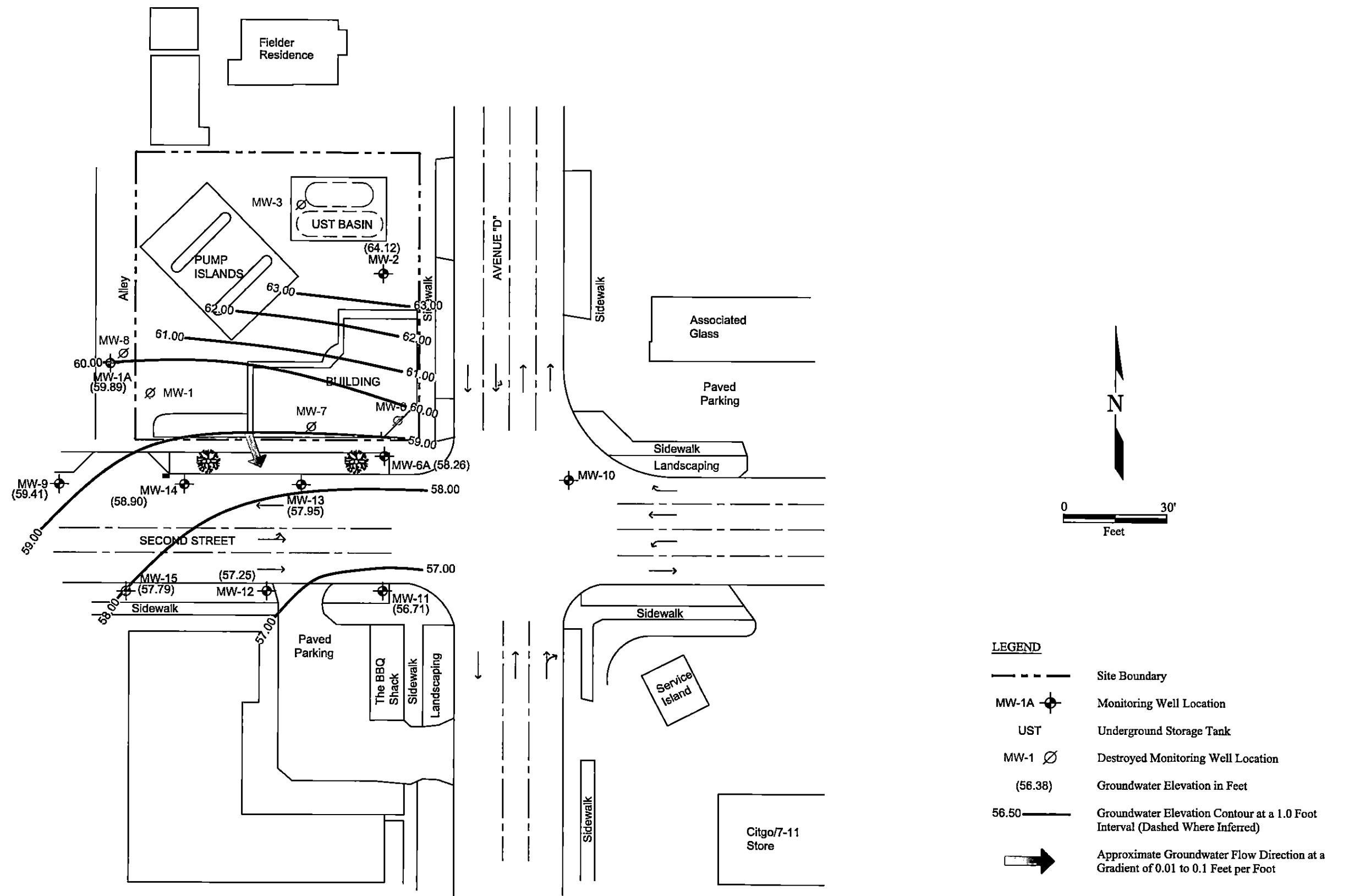
This technical document was prepared on behalf of Chevron and is intended for its sole use and for use by the local, state or federal regulatory agency that the technical document was sent to by SAIC. Any other person or entity obtaining, using, or relying on this technical document hereby acknowledges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

Site history and background information provided in this technical document are based on sources that may include interviews with environmental regulatory agencies and property management personnel and a review of acquired environmental regulatory agency documents and property information obtained from CEMC and others. SAIC has not made, nor has it been asked to make, any independent investigation concerning the accuracy, reliability, or completeness of such information beyond that described in this technical document.

Recognizing reasonable limits of time and cost, this technical document cannot wholly eliminate uncertainty regarding the vertical and lateral extent of impacted environmental media.

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

All sources of information on which SAIC has relied in making its conclusions (including direct field observations) are identified by reference in this technical document or in appendices attached to this technical document. Any information not listed by reference or in appendices has not been evaluated or relied upon by SAIC in the context of this technical document. The conclusions, therefore, represent our professional opinion based on the identified sources of information.



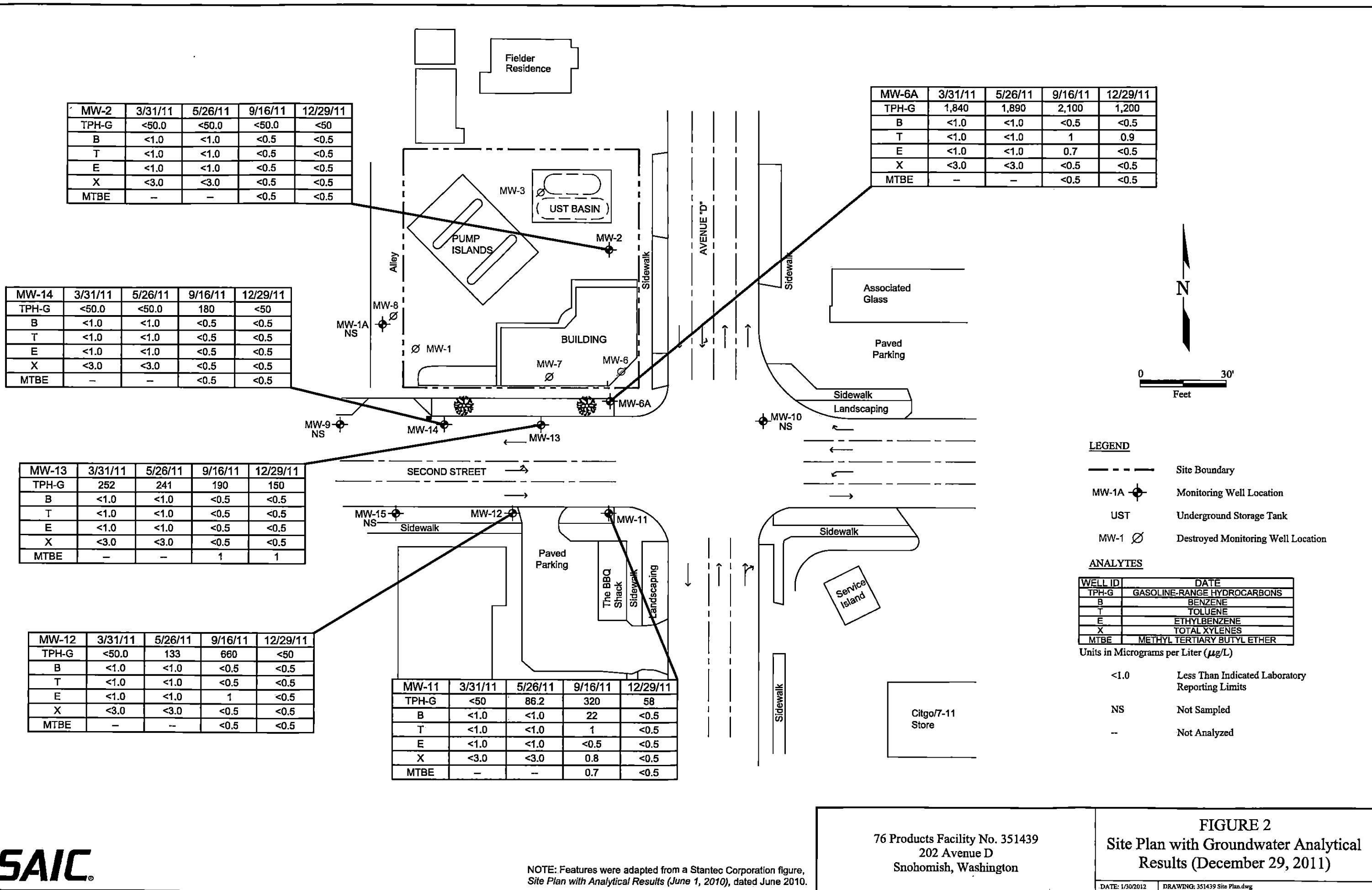
**SAIC**

NOTE: Features were adapted from a Stantec Corporation figure,  
Site Plan with Analytical Results (June 1, 2010), dated June 2010.

76 Products Facility No. 351439  
202 Avenue D  
Snohomish, Washington

**FIGURE 1**  
**Potentiometric Map**  
**December 29, 2011**

DATE: 1/30/2012 DRAWING: 351439 Site Plan.dwg



**TABLE 1**  
**GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS**  
**76 PRODUCTS FACILITY No. 351439**  
**202 Avenue D, Snohomish, Washington**  
**Concentrations reported in  $\mu\text{g/L}$**

**TABLE 1**  
**GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS**  
**76 PRODUCTS FACILITY No. 351439**  
**202 Avenue D, Snohomish, Washington**  
**Concentrations reported in µg/L**

Well ID TOC Elevation (ft)	Sample Date	Depth to Water (ft)	LPH Thickness (ft)	GW Elevation (ft)	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead	Ethanol	Ferrous Iron	Alkalinity	Nitrate	Nitrite	Sulfate	
MW-2	01/08/99	4.90	--	64.90	1,510	314	<750 <sup>b</sup>	20.7	<2.75	<2.50	<5.00	--	--	--	--	--	--	--	--	--	--	--	
69.80	04/28/99	4.91	--	64.89	1,180	324	<750 <sup>b</sup>	16.1	<1.60	<1.32	<3.30	--	--	--	--	--	--	--	--	--	--	--	
	07/23/99	6.29	--	63.51	805	368	<750 <sup>b</sup>	12.3	<1.50	<0.500	<4.00	--	--	--	--	--	--	--	--	--	--	--	
	10/25/99	8.64	--	61.16	2,100	250	<750 <sup>b</sup>	<0.700	<19.6	<0.700	<1.90	--	--	--	--	--	--	--	--	--	--	--	
	01/08/00	4.72	--	65.08	1,530	<250	<750 <sup>b</sup>	22.2	<2.27	<2.43	<6.44	--	--	--	--	--	--	--	--	--	--	--	
	04/19/00	5.48	--	64.32	1,210	257	<718 <sup>b</sup>	<0.500	28.5	<2.55	<4.22	--	--	--	--	--	--	--	--	--	--	--	
	07/12/00	7.55	--	62.25	888	653	<750 <sup>b</sup>	<1.25	4.75	<1.25	<2.50	--	--	--	--	--	--	--	--	--	--	--	
	09/06/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/16/00	8.88	--	60.92	1,110	<358	<1,070 <sup>b</sup>	42.3	<4.13	<2.08	<5.00	--	--	--	--	--	--	--	--	--	--	--	
	11/27/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	01/16/01	6.02	--	63.78	2,000	614	<918 <sup>b</sup>	<2.50	29.1	<2.50	<5.00	--	--	--	--	--	--	--	--	--	--	--	
	04/04/01											Unable to locate											
	05/22/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	07/09/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/09/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	01/08/02											Obstructed by construction											
	04/04/02	3.47	--	66.33	159	<250	<500	16.3	1.25	<0.500	2.57	--	--	--	--	--	--	--	--	--	--	--	
	07/02/02	5.49	--	64.31	387	273	<500	23.4	<0.500	<0.500	<1.00	--	--	--	--	--	--	3,400	148,000	<200	--	29,600	
	10/02/02	7.88	--	61.92	505	<250	<500	22.5	<2.00	<1.00	<1.50	--	--	--	--	--	--	3,400	150,000	<200	--	41,600	
	01/14/03	3.27	--	66.53	681	<250	<500	8.10	<0.500	0.515	2.49	--	--	--	--	--	--	--	--	--	--	--	
	04/28/03	4.05	--	65.75	269	<250	<500	3.51	<0.500	<0.500	1.45	--	--	--	--	--	--	2,600	276,000	<200	--	26,800	
	07/11/03	6.92	--	62.88	358	<291	<581 <sup>b</sup>	5.64	0.557	0.792	3.04	--	--	--	--	--	--	--	--	--	--	--	
	12/17/03	3.65	0.00	66.15	124	<129	<259	<0.25	<0.5	<0.5	<1.00	--	--	--	--	--	--	310,000	<15	--	23,000		
	03/31/04	4.60	0.00	65.20	<100	123	<237	9.05	<1	<1	1.12	--	--	--	--	--	--	251,000	<15	--	23,000		
	08/19/04	7.45	0.00	62.35	<100	<244	<488	<1	<1	<1	<2	--	--	--	--	--	--	208,000	200	--	8,710		
	03/21/05	5.52	0.00	64.28	<100	<251	<502 <sup>b</sup>	5.07	<1	<1	<2	--	--	--	--	--	--	205,000	<15	--	26,900		
	06/28/05	5.26	0.00	64.54	<100	344	568	<1	<1	<1	<2	--	--	--	--	--	--	--	<15	--	20,800		
	09/15/05	7.32	0.00	62.48	<48	<80	<100	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	209,000	<40	--	19,100		
	12/08/05	4.06	0.00	65.74	85	97	160	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	274,000	<40	--	19,400		
	03/10/06	3.50	0.00	66.30	160	<79	100	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	205,000	<40	--	262		
	06/08/06	5.06	0.00	64.74	<48	<79	290	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--	--		
	09/05/06	7.93	0.00	61.87	<48	<79	150	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	225,000	<40	--	12,900		
	12/19/06											Obstructed by a parked vehicle											
	03/20/07	3.33	0.00	66.47	68.5	<80	<100	1.64	<0.7	<0.8	<0.8	--	--	--	--	--	--	163,000	<40	--	26,700		
	06/28/07	6.41	0.00	63.39	<50	<79	<98	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	193,000	<40	--	25,900		
	09/25/07	7.79	0.00	62.01	<50	<79	<98	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	200,000	<40	--	12,300		
	12/10/07	3.75	0.00	66.05	<50	<77	<96	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	200,000	<2,000	<15	43,700		
	03/10/08	4.76	0.00	65.04								Not sampled because well was inaccessible due to a parked car											
	06/16/08	4.45	0.00	65.35	<50	<76	<95	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--		
	09/22/08	7.56	0.00	62.24	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--	--		
	12/08/08											Removed from sampling schedule 4Q08											

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**202 Avenue D, Snohomish, Washington**  
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Well ID TOC Elevation (ft)	Sample Date	Depth to Water (ft)	LPH Thickness (ft)	GW Elevation (ft)	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead	Ethanol	Ferrous Iron	Alkalinity	Nitrate	Nitrite	Sulfate
MW-2 (cont)	03/26/09	3.61	0.00	66.19	<50.0	<82	<410	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	
	06/10/09	6.33	0.00	63.47	<50.0	<78	<390	<1.0	<1.0	<1.0	<3.0	<1.0	<0.01	<1.0	<1.0	<1.0	<1.0	--	--	--	--	
	09/09/09	7.84	0.00	61.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/07/09	4.02	0.00	65.78																		
	03/17/10	4.42	0.00	65.38	<50.0	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--	--	
	06/01/10	3.75	0.00	66.05	<50.0	<78	<392	<1.0	<1.0	<1.0	<3.0	<1.0	--	--	--	--	--	--	--	--	--	
	09/02/10																					
	12/06/10	4.41	0.00	65.39	<50.0	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	--	--	--	--	--	--	--	--	
	03/31/11	3.10	0.00	66.70	<50.0	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--	--	
	05/26/11	4.07	0.00	65.73	<50.0	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--	--	
	09/16/11	7.84	0.00	61.96	<50.0	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<50	--	--	--	--	--	
	12/29/11	5.68	0.00	64.12	<50	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<50	--	--	--	--	--	
MW-6A 67.65	04/04/02	8.25	--	59.40	<b>2,570</b>	<b>665</b>	<500	2.99	3.16	2.25	7.27	--	--	--	--	--	--	--	--	--	--	
	07/02/02	8.98	--	58.67	<b>3,000</b>	<b>613</b>	<500	4.70	4.51	3.42	9.81	--	--	--	--	--	--	--	--	--	--	
	10/02/02	10.48	--	57.17	<b>2,970</b>	384	<500	<b>32.4</b>	6.38	8.44	9.75	--	--	--	--	--	--	--	--	--	--	
	01/14/03	9.88	--	57.77	<b>1,680</b>	<250	<500	<b>6.69</b>	2.24	1.60	13.4	--	--	--	--	--	--	--	--	--	--	
	04/28/03	9.20	--	58.45	<b>1,720</b>	288	<562 <sup>b</sup>	1.65	2.20	2.99	12.6	--	--	--	--	--	2,800	203,000	<200	--	12,100	
	07/11/03	8.48	--	59.17	<b>1,470</b>	<281	<562 <sup>b</sup>	2.13	2.45	3.23	6.92	--	--	--	--	--	--	--	--	--	--	
	12/17/03	9.45	0.00	58.20	<b>2,380</b>	457	<265	0.875	1.75	0.941	<1	--	--	--	--	--	--	87,000	442	--	39,600	
	03/31/04	8.97	0.00	58.68	<b>1,810</b>	682	<247	<5	<5	<5	<10	--	--	--	--	--	--	230,000	<15	--	5,560	
	08/19/04	9.22	0.00	58.43	<b>988</b>	347	<476	<1	<1	<1	<2	--	--	--	--	--	--	205,000	200	--	9,480	
	03/21/05	9.45	0.00	58.20	<b>1,610</b>	349	<501 <sup>b</sup>	<0.5	4.58	4.95	4.71	--	--	--	--	--	--	201,000	<15	--	11,300	
	06/28/05	9.02	0.00	58.63	<b>1,710</b>	<b>533</b>	<490	<1	1.3	<1	<2	--	--	--	--	--	--	<15	--	3,620		
	09/15/05	10.67	0.00	56.98	570	220	120	<0.5	0.9	0.9	<0.8	--	--	--	--	--	--	178,000	<40	--	14,000	
	12/08/05	9.61	0.00	58.04	<b>920</b>	<b>2,805</b>	170	<0.5	0.9	<0.8	<0.8	--	--	--	--	--	--	225,000	<40	--	7,400	
	03/10/06	9.65	0.00	58.00	<b>1,200</b>	180	<100	<0.5	0.8	<0.8	<0.8	--	--	--	--	--	--	210,000	<40	--	9,700	
	06/08/06	9.92	0.00	57.73	<b>1,300</b>	210	260	<0.5	0.9	<0.8	<0.8	--	--	--	--	--	--	--	--	--	--	
	09/05/06	10.46	0.00	57.19	500	140	130	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	163,000	<40	--	18,100	
	12/19/06	8.21	Sheen	59.44	<b>2,200</b>	910	<b>350</b>	0.6	2.0	<0.8	<0.8	--	--	--	--	--	--	230,000	<40	--	6,400	
	03/20/07	7.79	0.00	59.86	<b>1,380</b>	332	<100	<0.5	0.855	<0.8	<0.8	--	--	--	--	--	--	216,000	<100	--	16,900	
	06/28/07	8.79	0.00	58.86	620	210	<100	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	185,000	<40	--	18,000	
	09/25/07	10.21	0.00	57.44	<b>960</b>	350	120	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	156,000	<40	--	16,800	
	12/10/07	8.46	0.00	59.19	<b>1,700</b>	280	<94	<0.5	1	<0.8	<0.8	--	--	--	--	--	--	220,000	<2,000	<15	8,200	
	03/10/08	9.65	0.00	58.00	<b>1,000</b>	130	<95	<0.5	0.9	<0.8	<0.8	<0.5	--	--	--	--	--	218,000	<2,000	<15	--	
	06/16/08	8.44	0.00	59.21	<b>840</b>	140	<95	<0.5	1	0.7	<0.5	--	--	--	--	--	--	--	--	--	--	
	09/22/08	9.87	0.00	57.78	<b>1,600</b>	96	<95	<0.5	1	0.9	<0.8	--	--	--	--	--	--	--	--	--	--	
	12/08/08	9.50	0.00	58.15	<b>1,800</b>	130	<69	<0.5	1	<0.8	<0.8	--	--	--	--	--	--	--	--	--	--	
	03/26/09	7.90	0.00	59.75	124	110	<420	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	
	06/10/09	8.32	0.00	59.33	<b>1,050</b>	350	<390	<1.0	<1.0	<1.0	<3.0	<1.0	<0.01	<1.0	<1.0	<1.0	<1.0	--	--	--	--	
	09/09/09	10.32	0.00	57.33	<b>1,740</b>	--	--	<1.0	1.4	2.5	5.8	--	--	--	--	--	--	--	--	--	--	
	12/07/09	8.03	0.00	59.62	<b>1,990</b>	--	--	<														

**TABLE 1**  
**GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS**  
**76 PRODUCTS FACILITY No. 351439**  
**202 Avenue D, Snohomish, Washington**  
**Concentrations reported in µg/L**

Well ID TOC Elevation (ft)	Sample Date	Depth to Water (ft)	LPH Thickness (ft)	GW Elevation (ft)	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead	Ethanol	Ferrous Iron	Alkalinity	Nitrate	Nitrite	Sulfate
MW-6A (cont)	06/01/10	8.40	0.00	59.25	1,620	348	<388	<1.0	<1.0	<1.0	<3.0	<1.0	--	--	--	--	--	--	--	--	--	--
	09/02/10	8.88	0.00	58.77	1,990	164	<388	<1.0	1.3	<1.0	<3.0	<1.0	--	--	--	--	--	--	--	--	--	--
	12/06/10	9.01	0.00	58.64	2,090	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	--	--	--	--	--	--	--	--	--
	03/31/11	8.21	0.00	59.44	1,840	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--	--	--
	05/26/11	8.29	0.00	59.36	1,890	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--	--	--
	09/16/11	10.53	0.00	57.12	2,100	--	--	<0.5	1	0.7	<0.5	<0.5	--	--	--	<50	--	--	--	--	--	--
	12/29/11	9.39	0.00	58.26	1,200	--	--	<0.5	0.9	<0.5	<0.5	<0.5	--	--	--	<50	--	--	--	--	--	--
MW-9 67.77	01/08/99	6.50	--	62.16	<50.0	<250	<750 <sup>b</sup>	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--	--	--
	04/28/99	7.28	--	61.38	<50.0	<250	<750 <sup>b</sup>	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--	--	--
	07/23/99	7.97	--	60.69	<50.0	<250	<750 <sup>b</sup>	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--	--	--
	10/25/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/08/00	6.76	--	61.90	<50.0	<250	<750 <sup>b</sup>	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--	--	--
	04/19/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/12/00	8.65	--	60.01	<50.0	<249	<745 <sup>b</sup>	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--	--	--
	09/06/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/16/01	8.08	--	60.58	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--	--	--
	04/04/01	7.78	--	60.88	<50.0	<250	<750 <sup>b</sup>	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--	--	--
	05/22/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/09/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/09/01	9.70	--	58.96	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	0.0	33,000	3,050	--	13,500
	01/08/02	6.16	--	62.50	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	0.0	32,600	1,780	--	13,100
	04/04/02	6.54	--	62.12	<50.0	<250	<500	<0.500	0.593	<0.500	<1.00	--	--	--	--	--	--	0.0	29,800	2,490	--	12,600
	07/02/02	8.49	--	60.17	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	0.0	28,600	2,020	--	11,200
	10/02/02	10.13	--	58.53	144	<250	<500	3.15	<2.00	7.22	2.25	--	--	--	--	--	--	0.0	32,400	2,490	--	10,400
	01/14/03	7.28	--	61.38	<50.0	<284	<568 <sup>b</sup>	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--	--	--
	04/28/03	6.93	--	61.73	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	0.0	33,400	1,280	--	17,300
	07/11/03	8.91	--	59.75	<50.0	<329	<658 <sup>b</sup>	<0.500	<0.500	<0.500	1.20	--	--	--	--	--	--	--	--	--	--	--
	12/23/03	6.81	0.00	61.85	<100	<126	<253	<0.25	<0.5	<0.5	<1	--	--	--	--	--	--	32,000	2,710	--	14,400	
	03/31/04	7.34	0.00	61.32	<100	<118	<237	<1	<1	<1	<2	--	--	--	--	--	--	30,000	1,880	--	14,900	
	08/19/04	9.53	0.00	59.13	<100	<256	<512 <sup>b</sup>	<1	<1	<1	<2	--	--	--	--	--	--	29,000	2,500	--	13,200	
	03/21/05	8.11	0.00	59.66	<100	<247	<494	<1	<1	<1	<2	--	--	--	--	--	--	32,500	1,920	--	14,300	
	06/28/05	7.82	0.00	59.95	<100	<258	<516 <sup>b</sup>	<1	<1	<1	<2	--	--	--	--	--	--	--	1,790	--	15,100	
	09/15/05	9.54	0.00	58.23	<48	<77	260	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	29,800	2,300	--	13,400	
	12/08/05	7.42	0.00	60.35	<48	170	470	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	31,400	2,400	--	13,600	
	03/10/06	6.53	0.00	61.24	<48	<78	100	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	34,400	3,900	--	14,600	
	06/08/06	7.80	0.00	59.97	<48	<80	180	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--	--	
	09/05/06	9.78	0.00	57.99	<48	<78	330	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	32,800	3,100	--	15,300	
	12/19/06	5.98	0.00	61.79	<48	<77	300	<0.5	<0.7	<0.8</												

**TABLE 1**  
**GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS**  
**76 PRODUCTS FACILITY No. 351439**  
**202 Avenue D, Snohomish, Washington**

Concentrations reported in  $\mu\text{g/L}$

Well ID TOC Elevation (ft)	Sample Date	Depth to Water (ft)	LPH Thickness (ft)	GW Elevation (ft)	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead	Ethanol	Ferrous Iron	Alkalinity	Nitrate	Nitrite	Sulfate	
MW-9 (cont)	09/25/07	9.65	0.00	58.12	<50	110	760	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	31,700	2,600	--	16,900	
	12/10/07	6.52	0.00	61.25	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	30,800	<2,000	<15	17,700	
	03/10/08	7.55	0.00	60.22	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--	--	38,200	<2,000	<15	--	
	06/16/08	7.40	0.00	60.37	<50	<76	<95	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	
	09/22/08	9.60	0.00	58.17	<50	<75	<94	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--	--	--	
	12/08/08																						
	03/26/09	7.43	0.00	60.34	<50.0	<83	<420	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	
	06/10/09	8.12	0.00	59.65	<50.0	<78	<390	<1.0	<1.0	<1.0	<3.0	<1.0	<0.010	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--
	09/09/09																						
	12/07/09																						
	03/17/10																						
	06/01/10																						
	09/02/10																						
	12/06/10																						
	03/31/11																						
	05/26/11																						
	09/16/11																						
	12/29/11	8.36	0.00	59.41																			
MW-10 67.33																							
	01/08/99	4.91	--	62.42	331	266	<750 <sup>b</sup>	2.30	<0.500	<1.50	<2.50	--	--	--	--	--	--	--	--	--	--	--	--
	04/28/99	5.04	--	62.29	280	<250	<750 <sup>b</sup>	2.99	<0.800	<1.10	<3.00	--	--	--	--	--	--	--	--	--	--	--	--
	07/23/99	5.44	--	61.89	529	<250	<750 <sup>b</sup>	2.34	<2.60	2.81	9.37	--	--	--	--	--	--	--	--	--	--	--	--
	10/25/99	7.00	--	60.33	519	251	<750 <sup>b</sup>	<0.800	<5.65	<2.75	<8.65	--	--	--	--	--	--	--	--	--	--	--	--
	01/08/00	4.64	--	62.69	504	<250	<750 <sup>b</sup>	<1.22	<0.828	<3.27	<7.59	--	--	--	--	--	--	--	--	--	--	--	--
	04/19/00	5.02	--	62.31	332	<250	<750 <sup>b</sup>	<0.610	<4.43	<2.84	<6.91	--	--	--	--	--	--	--	--	--	--	--	--
	07/12/00	8.27	--	59.06	498	<250	<750 <sup>b</sup>	<0.500	4.02	<3.52	<7.18	--	--	--	--	--	--	--	--	--	--	--	--
	09/06/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/00	7.41	--	59.92	770	616	<1,330 <sup>b</sup>	<4.17	<3.47	<2.69	<8.05	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/16/01	4.39	--	62.94	209	299	<859 <sup>b</sup>	<0.500	2.33	0.980	2.65	--	--	--	--	--	--	--	--	--	--	--	--
	04/04/01	5.00	--	62.33	198	<250	<750 <sup>b</sup>	<0.500	<0.500	1.03	2.71	--	--	--	--	--	--	--	--	--	--	--	--
	05/22/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/09/01	6.03	--	61.30	311	334	<853 <sup>b</sup>	<0.500	1.97	0.949	1.07	--	--	--	--	--	--	--	--	--	--	--	--
	10/09/01	7.15	--	60.18	675	291	<581 <sup>b</sup>	2.16	0.678	0.777	4.67	--	--	--	--	--	--	4,600	132,000	<100	--	19,400	--
	01/08/02	4.61	--	62.72	258	675	<500	0.837	0.722	1.48	2.71	--	--	--	--	--	--	4,200	168,000	<100	--	13,500	--
	04/04/02	4.48	--	62.85	208	392	<500	<0.500	<0.500	<0.500	1.33	--	--	--	--	--	--	2,000	170,000	<200	--	13,200	--
	07/02/02	6.00	--	61.33	201	250	<500	0.552	<0.500	<0.500	1.16	--	--	--	--	--	--	2,200	133,000	<200	--	20,300	--
	10/02/02	7.96	--	59.37	811	326	<500	3.90	<2.00	4.12	4.63	--	--	--	--	--	--	2,200	129,000	<200	--	21,300	--
	01/14/03	4.25	--	63.08	280	<309	<617 <sup>b</sup>	0.549	0.844	<0.500	1.76	--	--	--	--	--	--	2,400	162,000	<200	--	15,700	--
	04/28/03	4.71	--	62.62	270	<250	<500	0.842	<0.500	<0.500	2.29	--	--	--	--	--	--	2,400	162,000	<200	--	15,700	--
	07/11/03	6.40	--	60.93	548	<284	<568 <sup>b</sup>	0.929	<0.500	3.19	4.18	--	--	--	--	--	--	--	--	--	--	--	--
	12/17/03																						
	03/31/04	4.28	0.00	63.05	390	308	<237	<1	<1	<1	<2	--	--	--	--	--	--	141,000</					

**TABLE 1**  
**GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS**  
**76 PRODUCTS FACILITY No. 351439**  
**202 Avenue D, Snohomish, Washington**  
**Concentrations reported in µg/L**

Well ID TOC Elevation (ft)	Sample Date	Depth to Water (ft)	LPH Thickness (ft)	GW Elevation (ft)	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead	Ethanol	Ferrous Iron	Alkalinity	Nitrate	Nitrite	Sulfate
MW-10	08/19/04	6.84	0.00	60.49	244	<251	<501 <sup>b</sup>	<1	<1	<1	<2	--	--	--	--	--	--	--	127,000	200	--	22,700
(cont)	03/21/05	4.71	0.00	62.62	396	<247	<494	<1	<1	1.93	<2	--	--	--	--	--	--	--	154,000	<15	--	15,100
	06/28/05	4.77	0.00	62.56	624	746	<504 <sup>b</sup>	<1	<1	<1	<2	--	--	--	--	--	--	--	--	<15	--	18,600
	09/15/05	7.03	0.00	60.30	290	110	120	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	110,000	<40	--	19,800
	12/08/05	4.23	0.00	63.10	540	<82	<100	<0.5	<0.7	6.0	2.0	--	--	--	--	--	--	--	137,000	<40	--	21,500
	03/10/06	3.41	0.00	63.92	3,100	290	220	<0.5	<0.7	9.0	8.0	--	--	--	--	--	--	--	119,000	<100	--	17,400
	06/08/06	4.83	0.00	62.50	290	<79	120	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--	--	--
	09/05/06	7.51	0.00	59.82	290	100	130	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	111,000	<40	--	20,400
	12/19/06	2.57	0.00	64.76	2,600	390	470	0.6	<0.7	11.0	8.0	--	--	--	--	--	--	--	161,000	<40	--	25,100
	03/20/07	3.04	0.00	64.29	4,144	665	162	0.527	<0.7	25.0	18.1	--	--	--	--	--	--	--	117,000	1,740	--	6,940
	06/28/07	5.18	0.00	62.15	1,700	430	<97	<0.5	<0.7	5	3	--	--	--	--	--	--	--	137,000	<40	--	12,000
	09/25/07	7.43	0.04	59.93								Not sampled due to presence of LPH										
	12/10/07	4.22	0.00	63.11	4,800	2,800	<970 <sup>b</sup>	<0.5	<0.7	11	8	--	--	--	--	--	--	--	136,000	<2,000	<15	21,100
	03/10/08											Not sampled due to dangerous traffic location										
	06/16/08											Not sampled due to dangerous traffic location										
	09/22/08	6.35	0.00	60.98	1,200	82	<95	<0.5	<0.7	3	3	--	--	--	--	--	--	--	--	--	--	--
	12/08/08											Removed from sampling schedule 4Q08										
	03/26/09											Not sampled due to dangerous traffic location										
	06/10/09											Groundwater monitoring well removed from sampling schedule in the future due to dangerous traffic location										
MW-11 66.37	01/08/99	9.32	--	57.05	371	--	--	141	4.95	10.8	6.66	--	--	--	--	--	--	--	--	--	--	--
	04/28/99	9.58	--	56.79	782	<250	<750 <sup>b</sup>	175	<11.0	26.1	29.9	--	--	--	--	--	--	--	--	--	--	--
	07/23/99	9.83	--	56.54	474	<250	<750 <sup>b</sup>	43.7	<2.70	3.40	8.32	--	--	--	--	--	--	--	--	--	--	--
	10/25/99	10.69	--	55.68	845	<250	<750 <sup>b</sup>	9.22	<2.90	<3.75	<6.20	--	--	--	--	--	--	--	--	--	--	--
	01/08/00	9.21	--	57.16	133	<250	<750 <sup>b</sup>	22.5	<1.03	1.11	3.34	--	--	--	--	--	--	--	--	--	--	--
	04/19/00	9.52	--	56.85	869	<250	<750 <sup>b</sup>	92.8	8.15	9.25	20.2	--	--	--	--	--	--	--	--	--	--	--
	07/12/00	10.10	--	56.27	581	387	<896 <sup>b</sup>	25.6	2.32	<2.31	<7.94	--	--	--	--	--	--	--	--	--	--	--
	09/06/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/00	10.80	--	55.57	322	<250	<750 <sup>b</sup>	<2.80	<0.640	<0.860	<4.20	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/16/01	10.75	--	55.62	725	311	<866 <sup>b</sup>	16.7	2.41	4.46	7.09	--	--	--	--	--	--	--	--	--	--	--
	04/04/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/22/01	9.69	--	56.68	385	--	--	15.8	2.37	2.47	4.37	--	--	--	--	--	--	--	--	--	--	--
	07/09/01	9.98	--	56.39	439	<310	<931 <sup>b</sup>	39.6	2.63	1.72	3.71	--	--	--	--	--	--	--	--	--	--	--
	10/09/01	10.67	--	55.70	410	333	<500	6.04	1.08	1.74	4.40	--	--	--	--	--	--	--	3,200	158,000	<100	--
	01/08/02	9.05	--	57.32	1,280	572	<500	184	10.6	35.7	21.9	--	--	--	--	--	--	--	3,200	186,000	<100	--
	04/04/02	5.67	--	60.70	757	366	<500	30.6	2.20	2.81	5.72	--	--	--	--	--	--	--	5,400	203,000	<200	--
	07/02/02	5.90	--	60.47	1,060	384	<500	107	8.73	24.2	15.5	--	--	--	--	--	--	--	4,000	203,000	<200	--
	10/02/02	10.94	--	55.43	785	<250	<500	13.9	<2.00	4.96	3.59	--	--	--	--	--	--	--	4,000	169,000	<200	--
	01/14/03	9.18	--	57.19	570	<305	<610 <sup>b</sup>	19.3	1.12	1.96	3.82	--	--	--	--	--	--	--	--	--	--	--
	04/28/03	9.25	--	57.12	1,100	<287	<575 <sup>b</sup>	135	10.7	34.1</												

**TABLE 1**  
**GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS**  
**76 PRODUCTS FACILITY No. 351439**  
**202 Avenue D, Snohomish, Washington**  
Concentrations reported in  $\mu\text{g/L}$

Well ID TOC Elevation (ft)	Sample Date	Depth to Water (ft)	LPH Thickness (ft)	GW Elevation (ft)	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead	Ethanol	Ferrous Iron	Alkalinity	Nitrate	Nitrite	Sulfate
MW-11 (cont) 65.52	12/17/03	8.35	0.00	58.02	673	215	<265	15.1	0.569	<0.5	<1	--	--	--	--	--	--	170,000	<150	--	73,200	
	03/31/04	8.70	0.00	57.67	409	<127	<253	93.9	5.02	10.4	5.39	--	--	--	--	--	--	218,000	<15	--	30,100	
	08/19/04	9.73	0.00	55.79	289	<240	<480	2.69	<1	<1	<2	--	--	--	--	--	--	167,000	200	--	10,600	
	03/21/05	9.10	0.00	56.42	564	<244	<488	36.8	4.18	9.48	7.34	--	--	--	--	--	--	189,000	<15	--	34,800	
	06/28/05	8.84	0.00	56.68	653	13,300	5,650	74.8	4.9	11.20	6.41	--	--	--	--	--	--	--	<15	--	26,100	
	09/15/05	9.73	0.00	55.79	280	89	170	12.0	0.7	<0.8	1.0	--	--	--	--	--	--	150,000	<40	--	11,300	
	12/08/05	8.60	0.00	56.92	480	130	230	0.6	<0.7	<0.8	0.9	--	--	--	--	--	--	157,000	<40	--	114,000	
	03/10/06	8.18	0.00	57.34	1,600	420	<98	86	6.0	33	8.0	--	--	--	--	--	--	164,000	<40	--	31,500	
	06/08/06	8.81	0.00	56.71	940	230	170	48	3.0	8.0	4.0	--	--	--	--	--	--	--	--	--	--	
	09/05/06	10.01	0.00	55.51	330	180	210	7.0	<0.7	<0.8	<0.8	--	--	--	--	--	--	157,000	<40	--	13,200	
	12/19/06	8.10	0.00	57.42	340	140	190	18.0	0.8	4.0	<0.8	--	--	--	--	--	--	166,000	<40	--	33,800	
	03/20/07	8.20	0.00	57.32	158	372	291	16.2	0.774	3.38	<0.8	--	--	--	--	--	--	159,000	<1,000	--	38,500	
	06/28/07	9.05	0.00	56.47	290	390	<97	6	<0.7	2	<0.8	--	--	--	--	--	--	156,000	<40	--	13,200	
	09/25/07	9.89	0.00	55.63	110	360	300	1	<0.7	<0.8	<0.8	--	--	--	--	--	--	145,000	<40	--	11,000	
	12/10/07	8.37	0.00	57.15	84	<75	<94	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	124,000	<2,000	<15	78,200	
	03/10/08	8.73	0.00	56.79	150	<76	<95	5	<0.7	1	<0.8	<0.5	--	--	--	--	--	144,000	<2,000	<15	--	
	06/16/08	8.63	0.00	56.89	98	<76	<95	4	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	
	09/22/08	9.73	0.00	55.79	360	<75	<94	6	<0.7	1	<0.8	--	--	--	--	--	--	--	--	--	--	
	12/08/08	8.65	0.00	56.87	<50	<29	<69	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--	--	
	03/26/09	8.37	0.00	57.15	<50.0	<82	<410	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	
	06/10/09	9.04	0.00	56.48	321	94	<390	5.9	<1.0	<1.0	<3.0	<1.0	<0.010	<1.0	<1.0	<1.0	<1.0	--	--	--	--	
	09/09/09	9.90	0.00	55.62	224	--	--	1.1	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--	--	
	12/07/09	8.44	0.00	57.08	119	--	--	8.5	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--	--	
	03/17/10	8.66	0.00	56.86	330	--	--	13.7	1.3	2.0	<3.0	--	--	--	--	--	--	--	--	--	--	
	06/01/10	8.16	0.00	57.36	<50	<79	<396	<1.0	<1.0	<1.0	<3.0	<1.0	--	--	--	--	--	--	--	--	--	
	09/02/10	9.12	0.00	56.40	<50	<77.7	<388	7.2	<1.0	<1.0	<3.0	<1.0	--	--	--	--	--	--	--	--	--	
	12/06/10	8.71	0.00	56.81	81.3	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--	--	--	--	--	--	--	--	--	
	03/31/11	7.81	0.00	57.71	<50	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--	--	
	05/26/11	8.49	0.00	57.03	86.2	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--	--	
	09/16/11	9.88	0.00	55.64	320	--	--	22	1	<0.5	0.8	0.7	--	--	--	<50	--	--	--	--	--	
	12/29/11	8.81	0.00	56.71	58	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<50	--	--	--	--	--	
MW-12 66.40	01/08/99	8.74	--	57.66	2,670	--	--	21.1	<5.00	40.1	48.1	--	--	--	--	--	--	--	--	--	--	
	04/28/99	9.22	0.03	57.20																		
	07/23/99	9.51	0.01	56.90																		
	10/25/99	10.81	0.29	55.82																		
	01/08/00	8.71	--	57.69	5,480	8,380	<8,250 <sup>b</sup>	<15.6	<10.2	53.2	47.8	--	--	--	--	--	--	--	--	--	--	
	04/19/00	8.97	--	57.43	5,980	3,060	<3,750 <sup>b</sup>	<2.60	<21.5	66.6	<63.5	--	--	--	--	--	--	--	--	--	--	
	07/12/00	--	0.20	--																		
	09/06/00	--	--	--																		
	10/16/00	--	0.25	--																		
	11/27/00	--	--	--																		
	01/16/01	9.44	--	56.96	5,360	20,100	<8,250 <sup>b</sup>	<5.00	12.9	72.0	63.8	--	--	--	--	--	--	--	--	--	--	

**TABLE 1**  
**GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS**  
**76 PRODUCTS FACILITY No. 351439**  
**202 Avenue D, Snohomish, Washington**  
**Concentrations reported in µg/L**

Well ID TOC Elevation (ft)	Sample Date	Depth to Water (ft)	LPH Thickness (ft)	GW Elevation (ft)	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead	Ethanol	Ferrous Iron	Alkalinity	Nitrate	Nitrite	Sulfate	
MW-12 (cont)	04/06/01	9.16	--	57.24	15,900	6,950	2,280	17.6	9.04	219	131	--	--	--	--	--	--	--	--	--	--	--	
	05/22/01	9.39	--	57.01	15,800	--	--	<10.0	10.3	307	142	--	--	--	--	--	--	--	--	--	--	--	
	07/09/01	--	0.30	--																			
	10/09/01	10.65	0.20	55.91																			
	01/08/02	8.15	0.08	58.31																			
	04/04/02	8.65	0.15	57.87																			
	07/02/02	9.66	0.36	57.03																			
	10/02/02	11.18	0.60	55.70																			
	01/14/03	8.66	0.10	57.82																			
	04/28/03	--	0.25	--																			
	07/11/03	11.10	0.04	55.33																			
	12/17/03	8.52	0.01	57.89																			
	03/31/04	8.98	Sheen	57.42	23,400	17,800	2,200	<50	<50	<50	<100	--	--	--	--	--	--	129,000	<15	--	37,500		
	08/19/04	10.32	0.14	56.12																			
	10/14/04	10.00	Sheen	56.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	03/21/05	9.30	0.01	57.04																			
	06/28/05	8.96	Sheen	57.37	8,030	<252	<503 <sup>b</sup>	<5	<5	30.20	<10	--	--	--	--	--	--	--	<75	--	51,200		
	09/15/05	10.28	0.12	56.15																			
	12/08/05	9.02	0.13	57.41																			
	03/10/06	8.13	0.00	58.20	2,400	2,500	1,100	<0.5	<0.7	4.0	3.0	--	--	--	--	--	--	116,000	150	--	95,800		
	06/08/06	9.00	0.00	57.33	9,300	930	420	1.0	2.0	20	4.0	--	--	--	--	--	--	--	--	--	--	--	
	09/05/06	10.56	0.05	55.81																			
	12/19/06	6.01	Sheen	60.32	7,300	1,400	580	<0.5	<0.7	4.0	<0.8	--	--	--	--	--	--	111,000	<40	--	65,900		
	03/20/07	8.21	0.00	58.12	1,291	2,837	1,947	<0.5	<0.7	4.25	0.853	--	--	--	--	--	--	116,000	1,190	--	35,900		
	06/28/07	9.42	0.00	56.91	1,800	1,300	540	<0.5	<0.7	4	<0.8	--	--	--	--	--	--	123,000	<40	--	27,600		
	09/25/07	10.39	0.00	55.94	4,000	4,700	1,900	<0.5	<0.7	7	1	--	--	--	--	--	--	121,000	<40	--	19,700		
	12/10/07	8.49	0.00	57.84	710	110	<94	<0.5	0.8	3	<0.8	--	--	--	--	--	--	110,000	<2,000	<15	31,800		
	03/10/08	8.92	0.00	57.41	1,000	110	<96	<0.5	1	23	3	<0.5	--	--	--	--	--	109,000	<2,000	<15	--		
	06/16/08	8.75	0.00	57.58	350	<75	<94	<0.5	<0.5	1	<0.5	--	--	--	--	--	--	--	--	--	--	--	
	09/22/08	10.17	0.00	56.16	1,600	380	140	<0.5	<0.7	0.8	<0.8	--	--	--	--	--	--	--	--	--	--	--	
	12/08/08	8.75	0.00	57.58	<50	<29	<68	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--	--	--	--	--	--	
	03/26/09	8.40	0.00	57.93	<50.0	<82	<410	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
	06/10/09	9.24	0.00	57.09	514	170	<380	<1.0	<1.0	1.3	<3.0	<1.0	<0.010	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--
	09/09/09	10.40	0.00	55.93	709	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--	--	--	--
	12/07/09	8.53	0.00	57.80	938	--	--	<1.0	<1.0	2.6	<3.0	--	--	--	--	--	--	--	--	--	--	--	--
	03/17/10	8.79	0.00	57.54	510	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--	--	--	--
	06/01/10	8.14	0.00	58.19	84.6	107	<396	<1.0	<1.0	<1.0	<3.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
	09/02/10	9.35	0.00	56.98	332	127	<385	<1.0	<1.0	<1.0	<3.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
	12/06/10	8.90	0.00	57.43	599	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--
	03/31/11	7.68	0.00	58.65	<50.0	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--	--	--	--
	05/26/11	8.43	0.00	57.90	133	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--	--	--	--

**TABLE 1**  
**GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS**  
**76 PRODUCTS FACILITY No. 351439**  
**202 Avenue D, Snohomish, Washington**  
**Concentrations reported in ug/L**

**TABLE 1**  
**GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS**  
**76 PRODUCTS FACILITY No. 351439**  
**202 Avenue D, Snohomish, Washington**  
**Concentrations reported in µg/L**

**TABLE 1**  
**GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS**  
**76 PRODUCTS FACILITY No. 351439**  
**202 Avenue D, Snohomish, Washington**

Concentrations reported in  $\mu\text{g/L}$

Well ID TOC Elevation (ft)	Sample Date	Depth to Water (ft)	LPH Thickness (ft)	GW Elevation (ft)	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDB	EDC	Dissolved Lead	Total Lead	Ethanol	Ferrous Iron	Alkalinity	Nitrate	Nitrite	Sulfate
MW-15 (cont)	05/26/11	8.15	0.00	58.51																		
	09/16/11	10.36	0.00	56.30																		
	12/29/11	8.87	0.00	57.79																		
MTCA Method A Cleanup Levels:		1,000/800 <sup>a</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	NE	NE	NE	NE	NE	NE	NE	NE	

**NOTES:**

Groundwater monitoring data, top of casing elevations, and laboratory analytical results prior to September 16, 2011 provided by STANTEC Consulting Corporation.  
 Bolded indicates a concentration greater than MTCA Method A cleanup level.

BTEX = Benzene, toluene, ethylbenzene, and total xylenes

EDB = 1,2-Dichloroethane

EDC = 1,2-Dibromoethane

ft = feet

GW = Groundwater

LPH = Liquid phase hydrocarbons

MTBE = Methyl Tertiary Butyl Ether

MTCA = Model Toxics Control Act

NE = Not Established

TOC = Top of casing

TPH = Total Petroleum Hydrocarbons

TPH-D = TPH as Diesel-range organics analyzed by Northwest Method NWTPH-Dx

TPH-G = TPH as Gasoline-range organics analyzed by Northwest Method NWTPH-Gx

TPH-O = TPH as Heavy Oil-range organics analyzed by Northwest Method NWTPH-Dx

USEPA = United States Environmental Protection Agency

$\mu\text{g/L}$  = micrograms per liter

-- = Not measured/Not analyzed

< = Less than the stated laboratory reporting limit

a MTCA Method A cleanup levels for TPH-G are 1,000  $\mu\text{g/L}$  when no benzene is present and 800  $\mu\text{g/L}$  when benzene is present.

b The laboratory reporting limit is greater than the MTCA Method A cleanup level.

**ANALYTICAL METHOD:**

BTEX analyzed by USEPA Method 8020, 8021B or 8260B.

Ethanol analyzed by USEPA Method 8260B.

EDB analyzed by USEPA Method 8260B.

EDC analyzed by USEPA Method 504.1.

MTBE analyzed by USEPA Method 8260B.

TPH-G analyzed by Northwest Method NWTPH-Gx.

TPH-D and TPH-O analyzed by Northwest Method NWTPH-Dx.

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

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## WELL GAUGING DATA

Project # 111229-BW3 Date 12/29/11 Client SATC Chevron

Site 202 Ave D Snohomish, WA

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 TOC	Notes
MW-1A	1321	2					9.43	14.58		G.O
MW-2	1324	2					5.68	16.84		
MW-6A	1331	2					9.39	19.18		
MW-9	1337	2					8.36	14.22		G.O
MW-11	1314	2					8.81	14.64		
MW-12	1317	2					9.08	15.62		
MW-13	1333	2					9.64	14.91		
MW-14	1335	2					8.77	14.40		
MW-15	1310	2					8.87	14.96	↓	G.O

# CHEVRON LOW FLOW WELL MONITORING DATA SHEET

Project #:	111224-BW3	Site #:	35-1439				
Sampler:	BK	Start Date:	12/29/11				
Well I.D.:	MW-2	Well Diameter:	(2)	3	4	6	8
Total Well Depth:	16.84	Depth to Water	Pre: 5.68	Post: 5.72			
Depth to Free Product:		Thickness of Free Product (feet):					
Referenced to:	PVC	Grade	Flow Cell Type:	YSI 556			

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Flow Rate: 200 ml/min      Pump Depth: 15 ft.

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or ml)	Observations
1448	13.1	6.37	367	108	1.14	16	0	5.68
1451	13.0	6.36	367	52	0.68	13	6000	5.70
1454	12.9	6.34	367	12	0.44	19	12000	5.70
1457	12.8	6.32	366	4	0.36	21	18000	5.71
1500	12.6	6.32	365	2	0.23	23	24000	5.72
1503	12.5	6.31	365	2	0.21	23	30000	5.72
1506	12.5	6.31	366	1	0.21	24	36000	5.72

Did well dewater? Yes  No  Amount actually evacuated: 3600 ml

Sampling Time: 1510      Sampling Date: 12/29/11

Sample I.D.: MW-2      Laboratory: Lancaster

Analyzed for: TPH-G BTEX MTBE TPH-D      Other: See COC

Equipment Blank I.D.: @ time      Duplicate I.D.:

# CHEVRON LOW FLOW WELL MONITORING DATA SHEET

Project #: 11229-BW3	Site #: 35-1439
Sampler: BW	Start Date: 12/29/11
Well I.D.: MW-6A	Well Diameter: (2) 3 4 6 8
Total Well Depth: 17.18	Depth to Water Pre: 9.39 Post: 9.44
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: PVC	Grade Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump

Sampling Method: Dedicated Tubing

Peristaltic Pump

New Tubing

Bladder Pump

Other

Flow Rate: 200ml/min

Pump Depth: 19ft.

Time	Temp. °C or °F	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1515	12.2	5.90	404	87	1.01	-14	0	9.39
1518	13.3	6.15	417	62	,52	-36	600ml	9.40
1521	13.4	6.22	421	41	,40	-46	1200 ml	9.42
1524	13.4	6.28	418	12	,34	-55	1800ml	9.43
1527	13.4	6.30	416	3	,31	-60	2400ml	9.43
1530	13.4	6.31	413	4	,30	-61	3000ml	9.44
1533	13.4	6.31	412	3	,29	-62	3600ml	9.44

Did well dewater? Yes  Amount actually evacuated: 3600ml

Sampling Time: 1535 Sampling Date: 12/29/11

Sample I.D.: MW-6A Laboratory: Lancaster

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

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

# CHEVRON LOW FLOW WELL MONITORING DATA SHEET

Project #: 111229-BW3	Site #: 35-1439
Sampler: BW	Start Date: 12/29/11
Well I.D.: MW-11	Well Diameter: (2) 3 4 6 8
Total Well Depth: 14.64	Depth to Water Pre: 8.81 Post: 8.86
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	Flow Cell Type: 45T 55L

Purge Method: 2" Grundfos Pump      Peristaltic Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Bladder Pump  
 Other \_\_\_\_\_

Flow Rate: 200 ml/min      Pump Depth: 14 ft.

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1344	13.4	6.55	415	>1000	3.14	35	0	Rust Color 8.81
1347	13.5	6.39	418	>1000	2.23	54	600ml	8.82
1350	13.6	6.25	392	>1000	1.35	64	1200ml	8.83
1353	13.7	6.24	389	852	1.30	62	1800ml	8.84
1356	13.7	6.24	386	842	1.25	60	2400ml	8.85
1359	13.7	6.22	379	838	1.03	53	3000ml	8.85
1402	13.7	6.22	379	840	1.00	52	3600ml	8.85
1405	13.7	6.22	378	839	0.99	52	4200ml	8.86

Did well dewater? Yes No Amount actually evacuated: 4200ml

Sampling Time: 1410 Sampling Date: 12/29/11

Sample I.D.: MW-11 Laboratory: Lancaster

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

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

# CHEVRON LOW FLOW WELL MONITORING DATA SHEET

Project #:	111224-BW3	Site #:	35-1439
Sampler:	BW	Start Date:	12/29/11
Well I.D.:	MW-12	Well Diameter:	(2) 3 4 6 8
Total Well Depth:	15.62	Depth to Water	Pre: 9.08 Post: 9.11
Depth to Free Product:	-	Thickness of Free Product (feet):	-
Referenced to:	PVC	Grade	Flow Cell Type: WSE 556

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Flow Rate: 200 ml/min      Pump Depth: 15 ft.

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1420	11.8	6.63	373	88	5.34	24	0	9.08
1423	11.8	6.61	372	65	5.21	27	600	9.07
1426	11.8	6.57	369	40	4.98	13	1200	9.09
1429	12.0	6.52	367	12	4.72	18	1800	9.10
1432	12.1	6.51	365	4	4.68	19	2400	9.11
1435	12.1	6.51	365	2	4.66	20	3000	9.11
1438	12.2	6.50	365	2	4.65	22	3600	9.11

Did well dewater? Yes No Amount actually evacuated: 3600 ml

Sampling Time: 1440 Sampling Date: 12/29/11

Sample I.D.: MW-12 Laboratory: Lancaster

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See LOC

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

# CHEVRON LOW FLOW WELL MONITORING DATA SHEET

Project #:	111224-BW3	Site #:	35-1439
Sampler:	BW	Start Date:	12/24/11
Well I.D.:	MW-13	Well Diameter:	(2) 3 4 6 8
Total Well Depth:	14.91	Depth to Water	Pre: 9.64 Post: 9.68
Depth to Free Product:	-	Thickness of Free Product (feet):	-
Referenced to:	PVC	Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos-Pump      Peristaltic Pump      Bladder Pump  
Sampling Method: Dedicated Tubing      New Tubing      Other  
Flow Rate: 200 ml/min      Pump Depth: 14 ft.

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1540	12.9	6.35	409	112	.46	-76	0	9.64
1543	13.4	6.36	415	81	.32	-75	600 ml	9.65
1546	13.7	6.37	418	60	.25	-75	1200 ml	9.66
1549	13.8	6.38	418	12	.20	-74	1800 ml	9.66
1552	13.9	6.40	416	3	.21	-72	2400 ml	9.67
1555	14.1	6.39	416	3	.22	-70	3000 ml	9.67
1558	14.1	6.40	416	2	.24	-69	3600 ml	9.68

Did well dewater? Yes  No Amount actually evacuated: 3600 ml

Sampling Time: 1600 Sampling Date: 12/24/11

Sample I.D.: MW-13 Laboratory: Lancaster

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

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

# CHEVRON LOW FLOW WELL MONITORING DATA SHEET

Project #:	1112201-BW3	Site #:	35-1439
Sampler:	BW	Start Date:	12/29/11
Well I.D.:	MW-14	Well Diameter:	(2) 3 4 6 8
Total Well Depth:	14.40	Depth to Water	Pre: 8.77 Post: 8.81
Depth to Free Product:	—	Thickness of Free Product (feet):	—
Referenced to:	PVC	Grade:	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_

Flow Rate: 200 ml/min      Pump Depth: 14 ft.

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1610	12.6	6.78	276	>1000	2.45	-24	0	Rust color 8.77
1613	12.6	6.76	268	>1000	2.20	-18	800	8.79
1616	12.6	6.75	264	171	2.15	-14	1200	8.80
1619	12.5	6.74	264	165	2.12	-11	1800	8.80
1622	12.4	6.73	264	158	2.12	-9	2400	8.80
1625	12.5	6.72	262	156	2.10	-8	3000	8.81
1628	12.6	6.72	261	149	2.09	-7	3600	8.81

Did well dewater? Yes  No Amount actually evacuated: 3600 ml

Sampling Time: 1630 Sampling Date: 12/29/11

Sample I.D.: MW-14 Laboratory: Lancaster

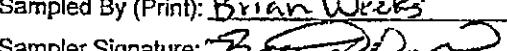
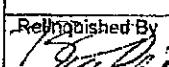
Analyzed for: TPH-G BTEX MTBE TPH-D Other: See LOC

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: 35-1439 Program Designation: CMP Site Address (street, city, state / county): 202 Ave D, Snohomish, WA Chevron PM: Chevron PM Phone No.: <input type="checkbox"/> Retail and Terminal Business Unit (RTBU) Job <input type="checkbox"/> Construction/Retail Job				Chevron Consultant: SAIC Address: 20415 72nd Ave South, Suite 260, Kent WA 98032 Consultant Contact: Ron Santos Consultant Phone No. (208) 429-3772 Consultant Project No. 111229-BW3 Sampling Company: Blaine Tech Services Sampled By (Print): Brian Weeks Sampler Signature: 				ANALYSES REQUIRED												
												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 *Quick SiGel Cleanup requested*								
												Notes/Comments								
SAMPLE ID				Sample Time	# of Containers	Container Type	TPH-DRO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-Dx/w/ sec)				TPH-DRO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-Dx/w/ sec)				TPH-HRO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-Dx/w/ sec)					
Field Point Name	Matrix	Top Depth	Date (yyymmdd)							<input type="checkbox"/> FULL LISTED	<input type="checkbox"/> ED <sub>50</sub>	<input type="checkbox"/> TBAO	<input type="checkbox"/> TAMEO	<input type="checkbox"/> ED <sub>50</sub>	<input type="checkbox"/> ETHANOL	<input type="checkbox"/> MTBE	<input type="checkbox"/> 8270 SIM	<input type="checkbox"/> cPAH's	<input type="checkbox"/> 8270 SIM	<input type="checkbox"/> TPH-G (NWTPH-Gx)
MW-2	W	-	111229	1510	6	Glass	X					X			X					
MW-6A	W	-	111229	1535	6							X			X					
MW-11	W	-	111229	1410	6							X			X					
MW-12	W	-	111229	1440	6							X			X					
MW-13	W	-	111229	1600	6							X			X					
MW-14	W	-	111229	1630	6							X			X					
QA	T	-	111229	1300	2	Glass						X			X					
Relinquished By:  Company: BTS Date/Time: 1430/12/11				Relinquished To: Shipped via Fed Ex				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)												
Relinquished By: Company: Date/Time:				Relinquished To: Company: Date/Time:				In tact: On ice: Temp: COC #												

## WELLHEAD INSPECTION FORM

Client: SAIC Site: 202 Ave D Snohomish WA Date: 12/29/11  
Job #: 111229-BW3 Technician: BW Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Check indicates deficiency										Notes (list if cap or lock replaced, if there are access issues associated with repairs, if traffic control is required, if stand pipe damaged, or any specific details not covered by checklist)
		Cap non-functional	Lock missing	Bolts missing (list qty)	Tabs stripped (list qty)	Tabs broken (list qty)	Annular seal incomplete	Apron damaged	Rim / Lid broken	Trip Hazard	Below Grade	
MW-1A				3/3		X						Apron Cracked
MW-2				2/3								
MW-6A				3/3								
MW-9	X											
MW-11	X											
MW-12	X											
MW-13				3/3								
MW-14				2/3								
MW-15	X											

NOTES: \_\_\_\_\_

CHEVRON TYPE A BILL OF LADING

SOURCE RECORD **BILL OF LADING**  
 FOR NON-HAZARDOUS PURGEWATER RECOVERED  
 FROM GROUNDWATER WELLS AT CHEVRON  
 FACILITIES IN THE STATE OF WASHINGTON OR  
 OREGON. THE NON-HAZARDOUS PURGE- WATER  
 WHICH HAS BEEN RECOVERED FROM GROUND-  
 WATER WELLS IS COLLECTED BY THE CONTRACTOR,  
 MADE UP INTO LOADS OF APPROPRIATE SIZE AND  
 HAULED BY EMERALD SERVICES

The contractor performing this work is BLAINE TECH SERVICES, INC. 22727 72<sup>nd</sup> Ave South, Suite D – 102, Kent, WA 98032. BTS Seattle address. Blaine Tech Services, Inc. is authorized by CHEVRON PRODUCTS COMPANY (CHEVRON) to recover, collect, apportion into loads, and haul the Non-Hazardous Well Purgewater that is drawn from wells at the CHEVRON facility indicated below and to deliver that purgewater to BTS. Transport routing of the Non-Hazardous Well Purgewater may be direct from one Chevron facility to BTS; from one Chevron facility to BTS via another Chevron facility; or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of CHEVRON.

This Source Record **BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the Chevron facility described below:

CHEVRON #

Chevron Engineer

street number

street name

city

state

WELL I.D. GALS.

MW-2 / 1

MW-6A / 1

MW-11 / 1

MW-12 / 1

MW-13 / 1

MW-14 / 1

/

/

added equip.  
rinse water / 1

TOTAL GALS.  
RECOVERED 7

BTS event #

111229-BW3

signature

WELL I.D. GALS.

/

/

/

/

/

/

any other  
adjustments /

loaded onto  
BTS vehicle # 88

time

1630

date

12/29/11

REC'D AT

Blaine Tech Kent

time

1800

date

12/29/11

unloaded by

signature

Blaine Tech Kent

Blaine Tech Services, Inc.

## Permit To Work

for Chevron EMC Sites

Client: CRA

Date 12/28/11

Site Address: 202 Ave D Snohomish, WA

Job Number: 111229-BW03 Technician(s): BW

### Pre-Job Safety Review

1. JMP reviewed, site restrictions and parking/access issues addressed.

Reviewed:

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	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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

If so is it in the folder?

Is it current?

Do you understand the Traffic Control Plan and what equipment you will need?

### On site Pre-Job Safety Review

- Reviewed and signed the site specific HASP.
- Route to hospital understood.
- Reviewed "Groundwater Monitoring Well Sampling General Job Safety Analysis included in the HASP."
- Exceptional circumstances today that are not covered by the HASP, JSA or JMP have been addressed and mitigated.
- Understands procedure to follow, if site circumstances change, to address new site hazards.
- There are no unexpected conditions which would make your task a Special Permit Required Task. If there is, contact your Project Manager.
- All site hazards have been communicated to all necessary onsite personnel during tailgate safety meeting.
- After lunch tailgate safety meeting refresher conducted.

If Checklist Task cannot be completed, explain:

Permit To Work Authority:

Alex G.

Name:

AM

12/28/11

1426

Title:

Date:

Time:

## TEST EQUIPMENT CALIBRATION LOG

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

---



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## ***Analysis Report***

### **ANALYTICAL RESULTS**

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425

Prepared for:

Chevron  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

January 12, 2012

Project: 351439

Submittal Date: 12/31/2011  
Group Number: 1283275  
PO Number: 0015086255  
Release Number: INGLIS  
State of Sample Origin: WA

Client Sample Description

MW-2 Water Sample
MW-6A Water Sample
MW-11 Water Sample
MW-12 Water Sample
MW-13 Water Sample
MW-14 Water Sample
QA Water Sample

Lancaster Labs (LLI) #

6512571
6512572
6512573
6512574
6512575
6512576
6512577

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

ELECTRONIC      SAIC  
COPY TO  
ELECTRONIC      SAIC  
COPY TO  
ELECTRONIC      Blaine Tech Services  
COPY TO  
ELECTRONIC      SAIC  
COPY TO

Attn: Mike Lange  
Attn: Ron Santos  
Attn: Alex Stack  
Attn: Kinga Kozlowska



Lancaster  
Laboratories

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## **Analysis Report**

Questions? Contact your Client Services Representative  
Jill M Parker at (717) 656-2300 Ext. 1241

Respectfully Submitted,

**Robin C. Runkle**  
**Senior Specialist**



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# Analysis Report

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Page 1 of 1

Sample Description: MW-2 Water Sample  
Facility# 351439  
202 Ave. D - Snohomish, WA

LLI Sample # WW 6512571  
LLI Group # 1283275  
Account # 11255

Project Name: 351439

Collected: 12/29/2011 15:10 by BW

Chevron

Submitted: 12/31/2011 10:00  
Reported: 01/12/2012 18:46

ADS02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10943	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	Methyl Tertiary Butyl Ether	1634-04-4	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
	GC Volatiles	ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1

## General Sample Comments

State of Washington Lab Certification No. C259

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

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	P120053AA	01/06/2012 01:06	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120053AA	01/06/2012 01:06	Kelly E Keller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12004A07A	01/05/2012 15:24	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12004A07A	01/05/2012 15:24	Marie D John	1



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# Analysis Report

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Page 1 of 1

Sample Description: MW-6A Water Sample  
Facility# 351439  
202 Ave. D - Snohomish, WA

LLI Sample # WW 6512572  
LLI Group # 1283275  
Account # 11255

Project Name: 351439

Collected: 12/29/2011 15:35 by BW

Chevron

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 12/31/2011 10:00

Reported: 01/12/2012 18:46

ADS06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10943	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	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10943	Toluene	108-88-3	0.9	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	ECY 97-602 NWTPH-Gx		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	1,200	50	1

## General Sample Comments

State of Washington Lab Certification No. C259

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

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	P120053AA	01/06/2012 01:33	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120053AA	01/06/2012 01:33	Kelly E Keller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12004A07A	01/05/2012 15:50	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12004A07A	01/05/2012 15:50	Marie D John	1



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# Analysis Report

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Page 1 of 1

Sample Description: MW-11 Water Sample  
Facility# 351439  
202 Ave. D - Snohomish, WA

LLI Sample # WW 6512573  
LLI Group # 1283275  
Account # 11255

Project Name: 351439

Collected: 12/29/2011 14:10 by BW

Chevron

Submitted: 12/31/2011 10:00

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Reported: 01/12/2012 18:46

ADS11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10943 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 Methyl Tertiary Butyl Ether		1634-04-4	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
GC Volatiles	ECY 97-602 NWTPH-Gx		ug/l	ug/l	
08273 NWTPH-Gx water C7-C12		n.a.	58	50	1

### General Sample Comments

State of Washington Lab Certification No. C259

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	P120054AA	01/05/2012 19:19	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120054AA	01/05/2012 19:19	Kelly E Keller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH- Gx	1	12004A07A	01/05/2012 16:15	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12004A07A	01/05/2012 16:15	Marie D John	1



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# Analysis Report

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Page 1 of 1

Sample Description: MW-12 Water Sample  
Facility# 351439  
202 Ave. D - Snohomish, WA

LLI Sample # WW 6512574  
LLI Group # 1283275  
Account # 11255

Project Name: 351439

Collected: 12/29/2011 14:40 by BW

Chevron  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 12/31/2011 10:00

Reported: 01/12/2012 18:46

ADS12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10943 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 Methyl Tertiary Butyl Ether		1634-04-4	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
GC Volatiles	ECY 97-602 NWTPH-Gx		ug/l	ug/l	
08273 NWTPH-Gx water C7-C12		n.a.	N.D.	50	1

## General Sample Comments

State of Washington Lab Certification No. C259

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

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	P120054AA	01/05/2012 20:42	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120054AA	01/05/2012 20:42	Kelly E Keller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12004A07A	01/05/2012 16:40	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12004A07A	01/05/2012 16:40	Marie D John	1



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# Analysis Report

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Page 1 of 1

Sample Description: MW-13 Water Sample  
Facility# 351439  
202 Ave. D - Snohomish, WA

LLI Sample # WW 6512575  
LLI Group # 1283275  
Account # 11255

Project Name: 351439

Collected: 12/29/2011 16:00 by BW

Chevron

Submitted: 12/31/2011 10:00

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Reported: 01/12/2012 18:46

ADS13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10943	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	Methyl Tertiary Butyl Ether	1634-04-4	1	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
	GC Volatiles	ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	150	50	1

## General Sample Comments

State of Washington Lab Certification No. C259

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

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	P120054AA	01/05/2012 21:10	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120054AA	01/05/2012 21:10	Kelly E Keller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12004A07A	01/05/2012 17:05	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12004A07A	01/05/2012 17:05	Marie D John	1



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# Analysis Report

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Page 1 of 1

**Sample Description:** MW-14 Water Sample  
Facility# 351439  
202 Ave. D - Snohomish, WA

LLI Sample # WW 6512576  
LLI Group # 1283275  
Account # 11255

**Project Name:** 351439

Collected: 12/29/2011 16:30 by BW

Chevron  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 12/31/2011 10:00

Reported: 01/12/2012 18:46

ADS14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10943 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 Methyl Tertiary Butyl Ether		1634-04-4	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
GC Volatiles	ECY 97-602 NWTPH-Gx		ug/l	ug/l	
08273 NWTPH-Gx water C7-C12		n.a.	N.D.	50	1

## General Sample Comments

State of Washington Lab Certification No. C259

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

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943 UST VOCs by 8260B - Water	SW-846 8260B		1	P120054AA	01/05/2012 21:38	Kelly E Keller	1
01163 GC/MS VOA Water Prep	SW-846 5030B		1	P120054AA	01/05/2012 21:38	Kelly E Keller	1
08273 NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx		1	12004A07A	01/05/2012 17:31	Marie D John	1
01146 GC VOA Water Prep	SW-846 5030B		1	12004A07A	01/05/2012 17:31	Marie D John	1



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# Analysis Report

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Page 1 of 1

Sample Description: QA Water Sample  
Facility# 351439  
202 Ave. D - Snohomish, WA

LLI Sample # WW 6512577  
LLI Group # 1283275  
Account # 11255

Project Name: 351439

Collected: 12/29/2011 13:00

Chevron

Submitted: 12/31/2011 10:00

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Reported: 01/12/2012 18:46

ADSOA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10943	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	Methyl Tertiary Butyl Ether	1634-04-4	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
	GC Volatiles	ECY 97-602 NWTPH-Gx	ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1

## General Sample Comments

State of Washington Lab Certification No. C259

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

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	P120054AA	01/05/2012 18:23	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120054AA	01/05/2012 18:23	Kelly E Keller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12004A07A	01/05/2012 11:37	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12004A07A	01/05/2012 11:37	Marie D John	1



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# Analysis Report

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Page 1 of 2

## Quality Control Summary

Client Name: Chevron

Group Number: 1283275

Reported: 01/12/12 at 06:46 PM

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

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

## Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: P120053AA			Sample number(s): 6512571-6512572					
Benzene	N.D.	0.5	ug/l	104		79-120		
Ethanol	N.D.	50.	ug/l	93		54-149		
Ethylbenzene	N.D.	0.5	ug/l	98		79-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	105		76-120		
Toluene	N.D.	0.5	ug/l	100		79-120		
Xylene (Total)	N.D.	0.5	ug/l	100		80-120		
Batch number: P120054AA			Sample number(s): 6512573-6512577					
Benzene	N.D.	0.5	ug/l	101		79-120		
Ethanol	N.D.	50.	ug/l	73		54-149		
Ethylbenzene	N.D.	0.5	ug/l	94		79-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	99		76-120		
Toluene	N.D.	0.5	ug/l	97		79-120		
Xylene (Total)	N.D.	0.5	ug/l	95		80-120		
Batch number: 12004A07A			Sample number(s): 6512571-6512577					
NWTPH-Gx water C7-C12		50.	ug/l	100	100	75-135	0	30

## Sample Matrix Quality Control

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

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>BKG MAX</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: P120053AA			Sample number(s): 6512571-6512572 UNSPK: P510873					
Benzene	104	111	80-126	6	30			
Ethanol	101	98	53-146	3	30			
Ethylbenzene	100	106	71-134	6	30			
Methyl Tertiary Butyl Ether	102	108	72-126	6	30			
Toluene	103	108	80-125	5	30			
Xylene (Total)	100	106	79-125	5	30			
Batch number: P120054AA			Sample number(s): 6512573-6512577 UNSPK: 6512573					
Benzene	111	113	80-126	2	30			
Ethanol	89	93	53-146	5	30			
Ethylbenzene	104	107	71-134	2	30			
Methyl Tertiary Butyl Ether	105	107	72-126	3	30			
Toluene	107	108	80-125	1	30			
Xylene (Total)	104	107	79-125	3	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.



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# Analysis Report

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Page 2 of 2

## Quality Control Summary

Client Name: Chevron  
Reported: 01/12/12 at 06:46 PM

Group Number: 1283275

### 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: P120053AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6512571	97	98	99	96
6512572	97	100	99	103
Blank	97	98	99	98
LCS	98	101	99	98
MS	97	101	99	97
MSD	98	101	99	98
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water

Batch number: P120054AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6512573	98	99	98	99
6512574	97	97	98	98
6512575	98	99	98	100
6512576	97	98	99	97
6512577	96	101	98	98
Blank	96	99	99	97
LCS	97	102	98	98
MS	98	102	98	98
MSD	97	101	98	98
Limits:	80-116	77-113	80-113	78-113

Analysis Name: NWTPH-Gx water C7-C12

Batch number: 12004A07A

Trifluorotoluene-F

6512571	107
6512572	125
6512573	107
6512574	105
6512575	112
6512576	105
6512577	105
Blank	109
LCS	117
LCSD	114

Limits: 63-135

\*- 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.

Acct#11255 Cpt#1283275

Sample# 6512571-77

## 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>35-1439</u> Program Designation: <u>CMP</u> Site Address (street, city, state / county): <u>202 Ave. D, Snohomish, WA</u> Chevron PM: Chevron PM Phone No.: <input type="checkbox"/> Retail and Terminal Business Unit (RTBU) Job <input type="checkbox"/> Construction/Retail Job				Chevron Consultant: <u>SAIC</u> Address: <u>20415 72nd Ave South, Suite 250, Kent WA 98032</u> Consultant Contact: <u>Ron Santos</u> Consultant Phone No. <u>(208) 429-3772</u> Consultant Project No. <u>J11229-BW3</u> Sampling Company: <u>Blaine Tech Services</u> Sampled By (Print): <u>Brian Weeks</u> Sampler Signature: <u>[Signature]</u>				<b>ANALYSES REQUIRED</b>  Preservation Codes H = HCl T = Thiosulfate N = HNO <sub>3</sub> S = NaOH S = H <sub>2</sub> SO <sub>4</sub> O = Other  (H)					
<b>Charge Code:</b> <u>NWRTB 00SITE NUMBER-0-OML</u> <b>WBS ELEMENTS:</b> SITE ASSESSMENT: A1L REMEDIATION IMPLEMENTATION: R5L SITE MONITORING: OML OPERATION MAINTENANCE & MONITORING: M1L				<b>Lancaster Laboratories</b> <input checked="" type="checkbox"/> Lancaster, PA Lab Contact: Megan Moeller 2425 New Holland Pike, Lancaster, PA 17601 Phone No: (717)658-2300	Other Lab <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	Temp. Blank Check Time Temp.							
<b>SAMPLE ID</b>				Sample Time  # of Containers  Container Type									
Field Point Name	Matrix	Top Depth	Date (yymmdd)										
MW-2	W	—	11/12/29	1510	6	Glass		X	X				
MW-6A	W	—	11/12/29	1535	6			X	X				
MW-11	W	—	11/12/29	1410	6			X	X				
MW-12	W	—	11/12/29	1440	6			X	X				
MW-13	W	—	11/12/29	1600	6			X	X				
MW-14	W	—	11/12/29	1630	6			X	X				
QA	T	—	11/12/29	1300	2	Glass		X	X				
Relinquisher By	Company	Date/Time:	Relinquished To Company Date/Time				Turnaround Time: Standard <input checked="" type="checkbox"/> 24 Hours <input type="checkbox"/> 48 hours <input type="checkbox"/> 72 Hours <input type="checkbox"/> Other						
<u>Brian Weeks</u>	BTS	1430/12/29	<u>Shipped via Fed Ex</u>										
Relinquisher 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>2.4</u> COC #						
Relinquisher By	Company	Date/Time	<u>Branched Branch 12-31-11</u>										

1000

# 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>m3</b>	cubic meter(s)	<b>µL</b>	microliter(s)
		<b>pg/L</b>	picogram/liter
<	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.		
>	greater than		
J	estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).		
<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 of gas 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.		
<b>U.S. EPA CLP Data Qualifiers:</b>			
<b>Organic Qualifiers</b>		<b>Inorganic Qualifiers</b>	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is <CRDL, but ≥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	*	Duplicate analysis not within control limits
<b>X,Y,Z</b>	Defined in case narrative	+	Correlation coefficient for MSA <0.995

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

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

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

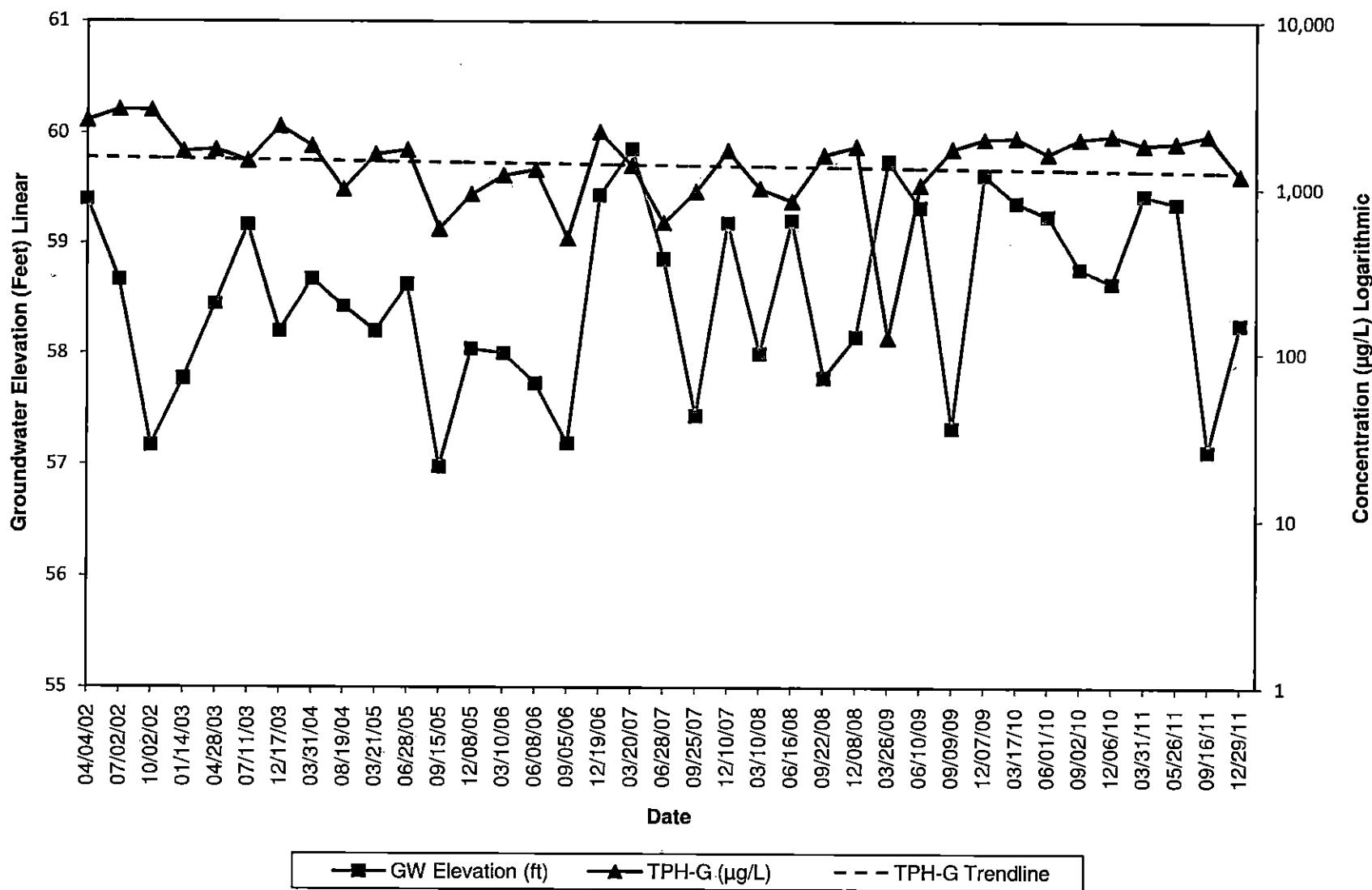
Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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

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

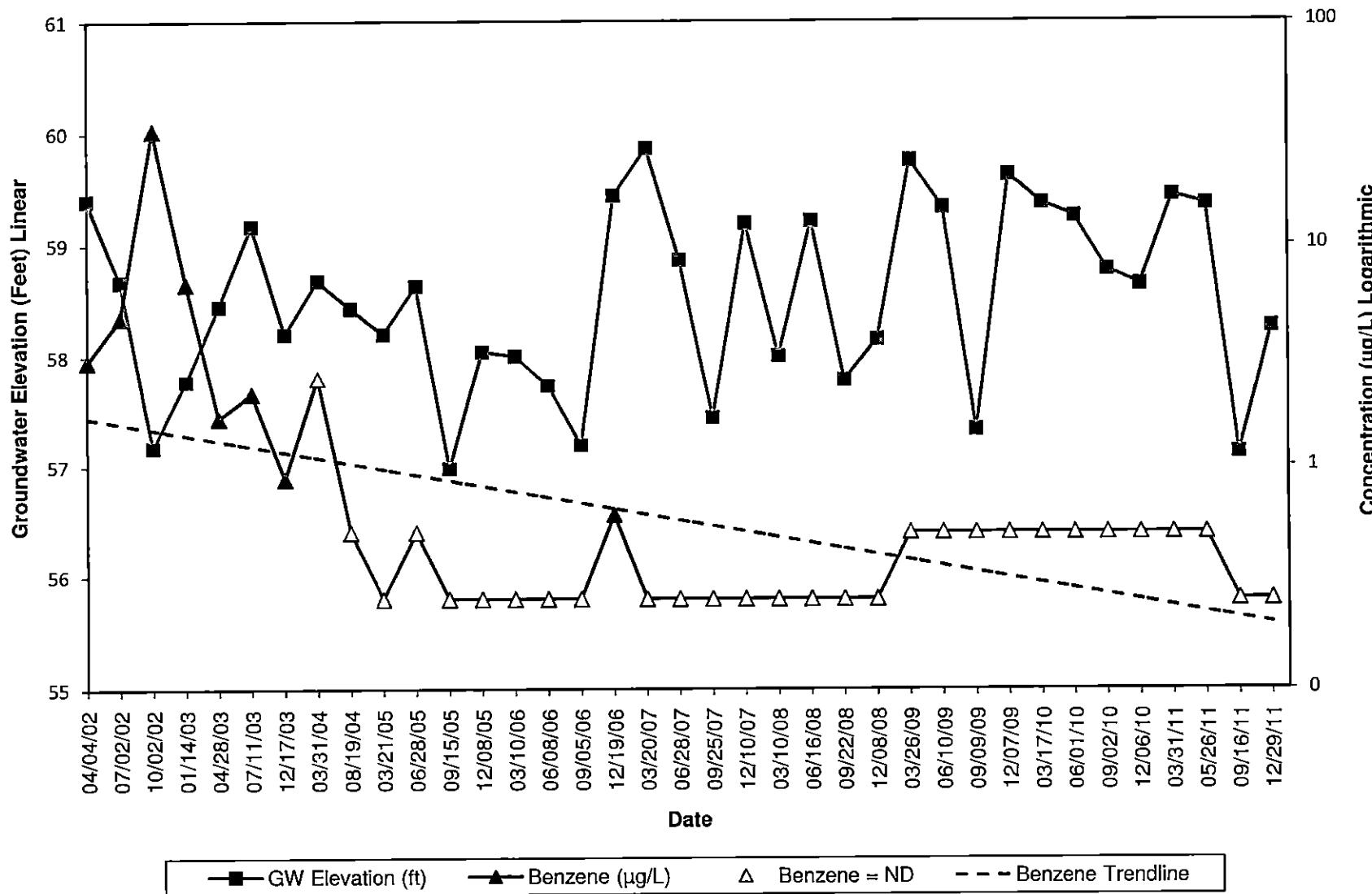
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MW-6A  
Hydrograph - Gasoline-Range Hydrocarbons  
76 Products Facility No. 351439  
202 Avenue D, Snohomish, Washington



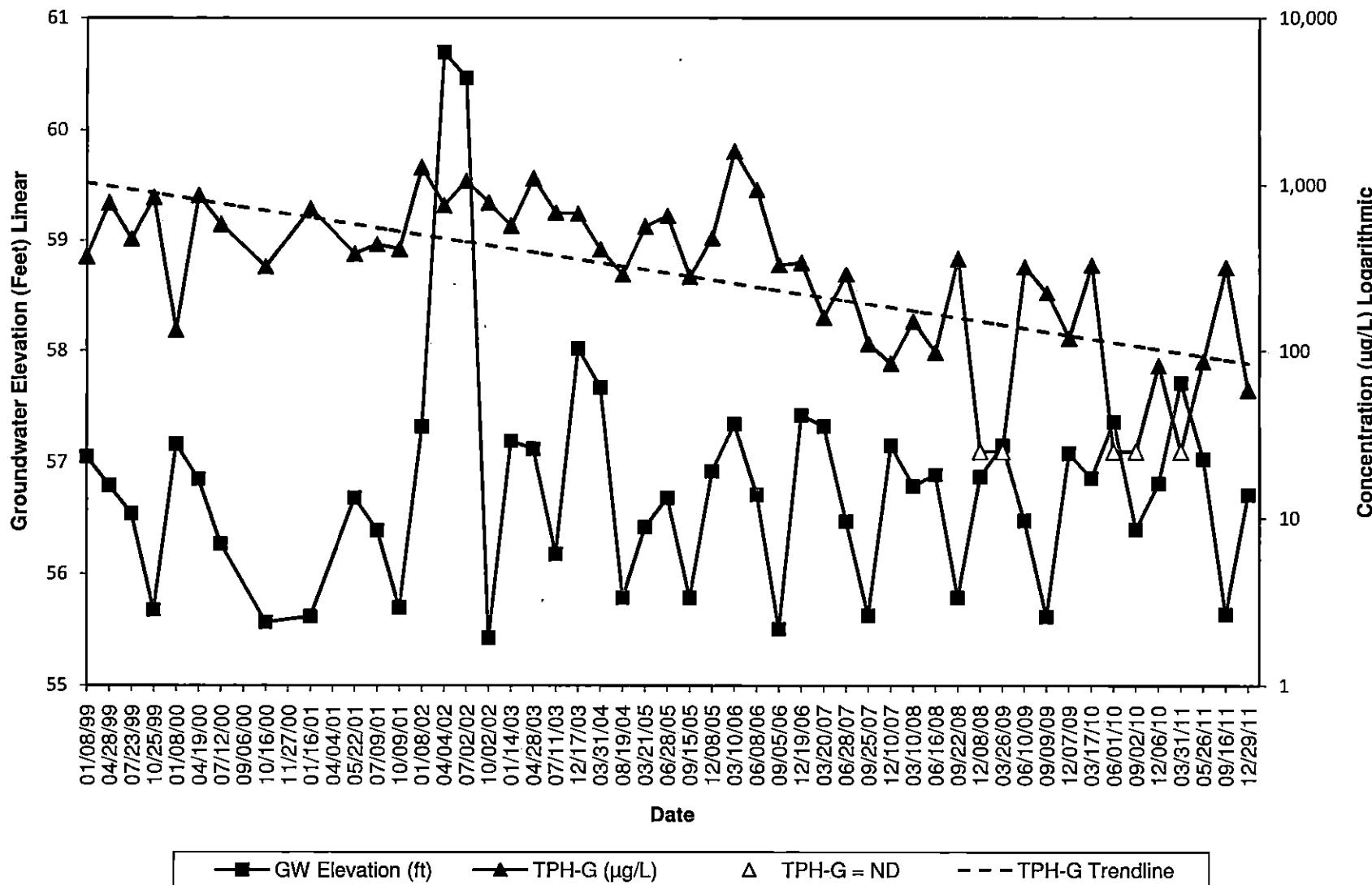
**SAIC**

**MW-6A**  
**Hydrograph - Benzene**  
**76 Products Facility No. 351439**  
**202 Avenue D, Snohomish, Washington**



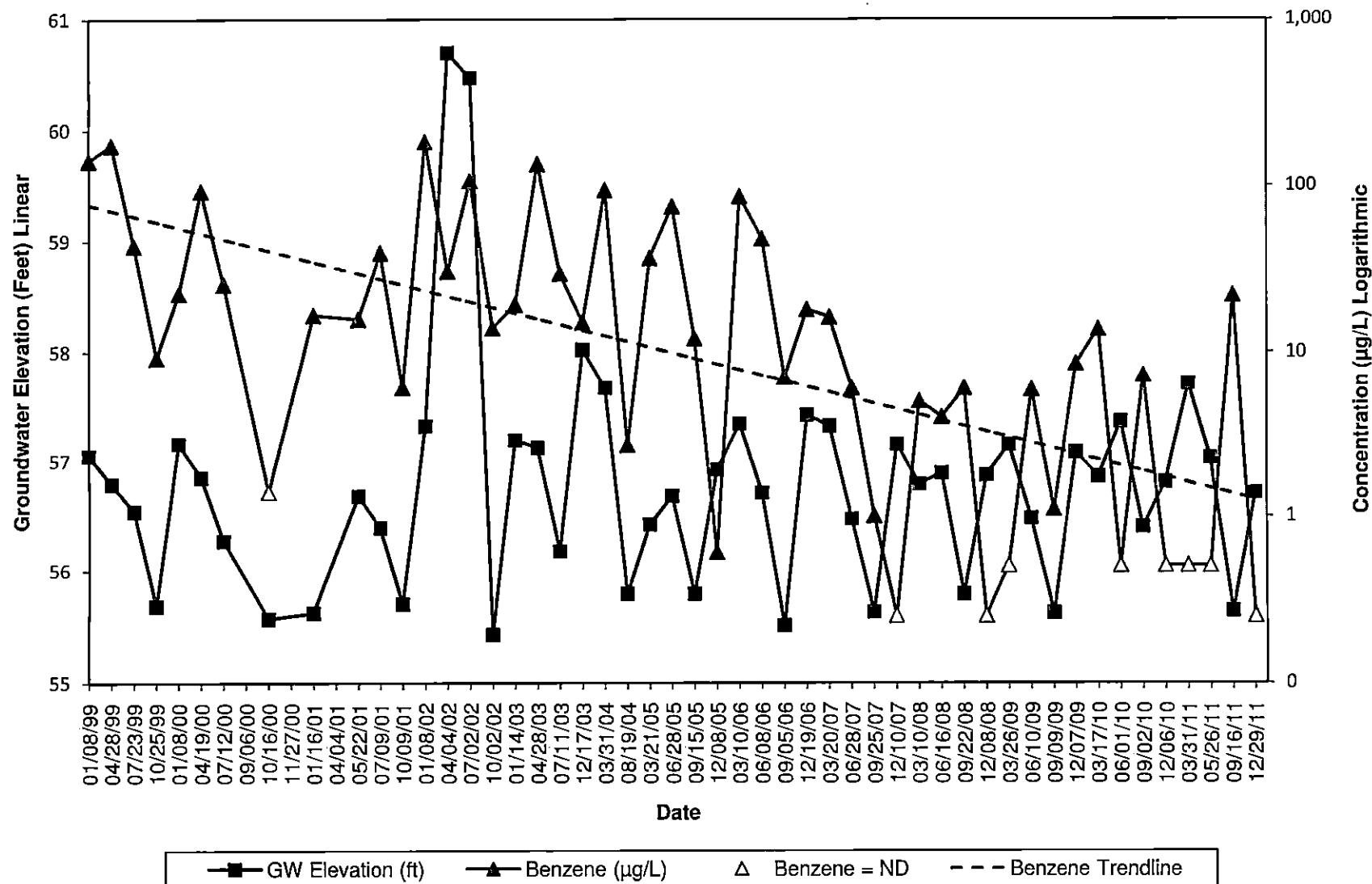
**SAIC**

**MW-11**  
**Hydrograph - Gasoline-Range Hydrocarbons**  
**76 Products Facility No. 351439**  
**202 Avenue D, Snohomish, Washington**



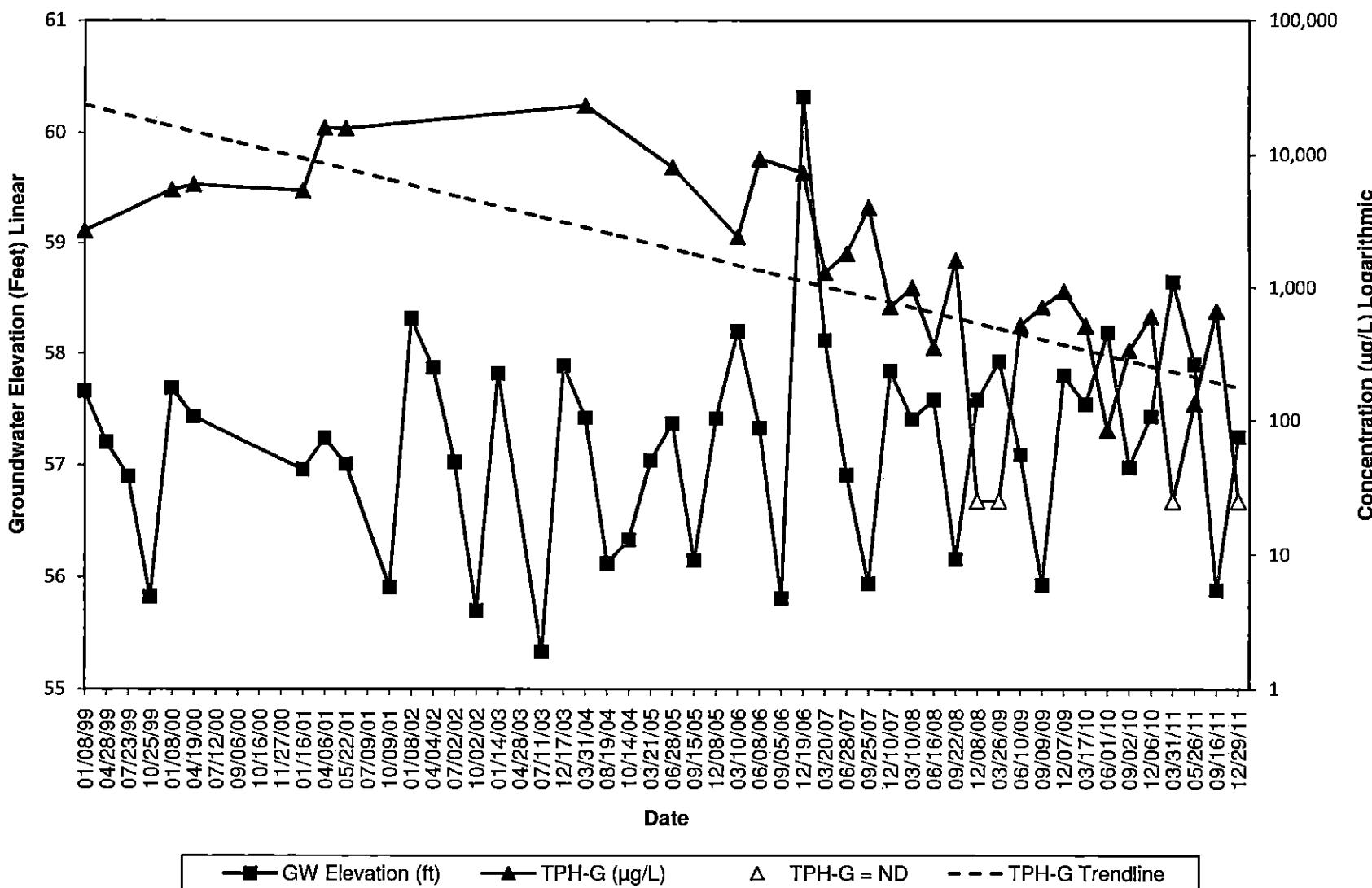
**SAIC**

**MW-11**  
**Hydrograph - Benzene**  
**76 Products Facility No. 351439**  
**202 Avenue D, Snohomish, Washington**



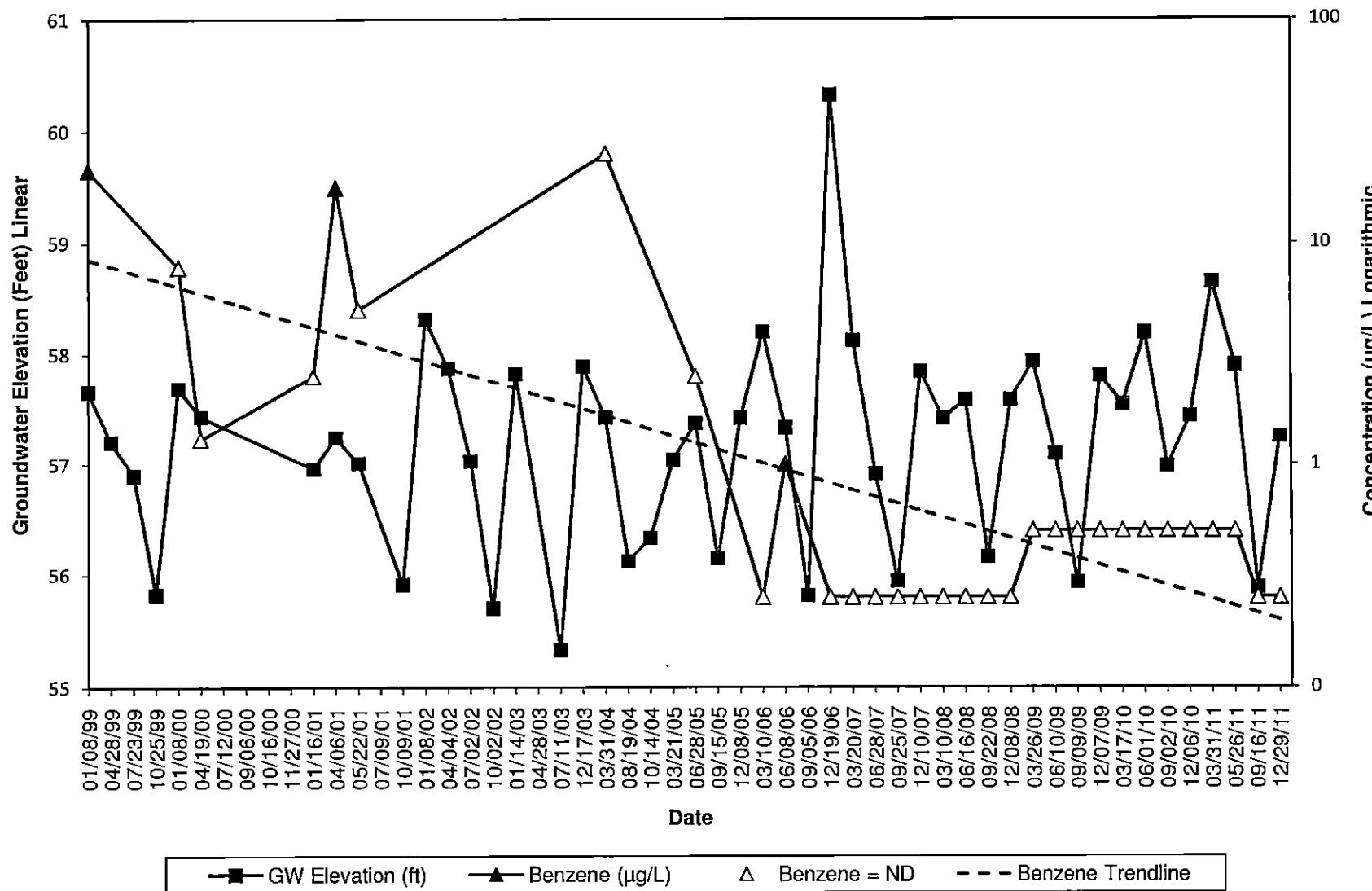
**SAIC**

**MW-12**  
**Hydrograph - Gasoline-Range Hydrocarbons**  
**76 Products Facility No. 351439**  
**202 Avenue D, Snohomish, Washington**



**SAIC**

**MW-12**  
**Hydrograph - Benzene**  
**76 Products Facility No. 351439**  
**202 Avenue D, Snohomish, Washington**

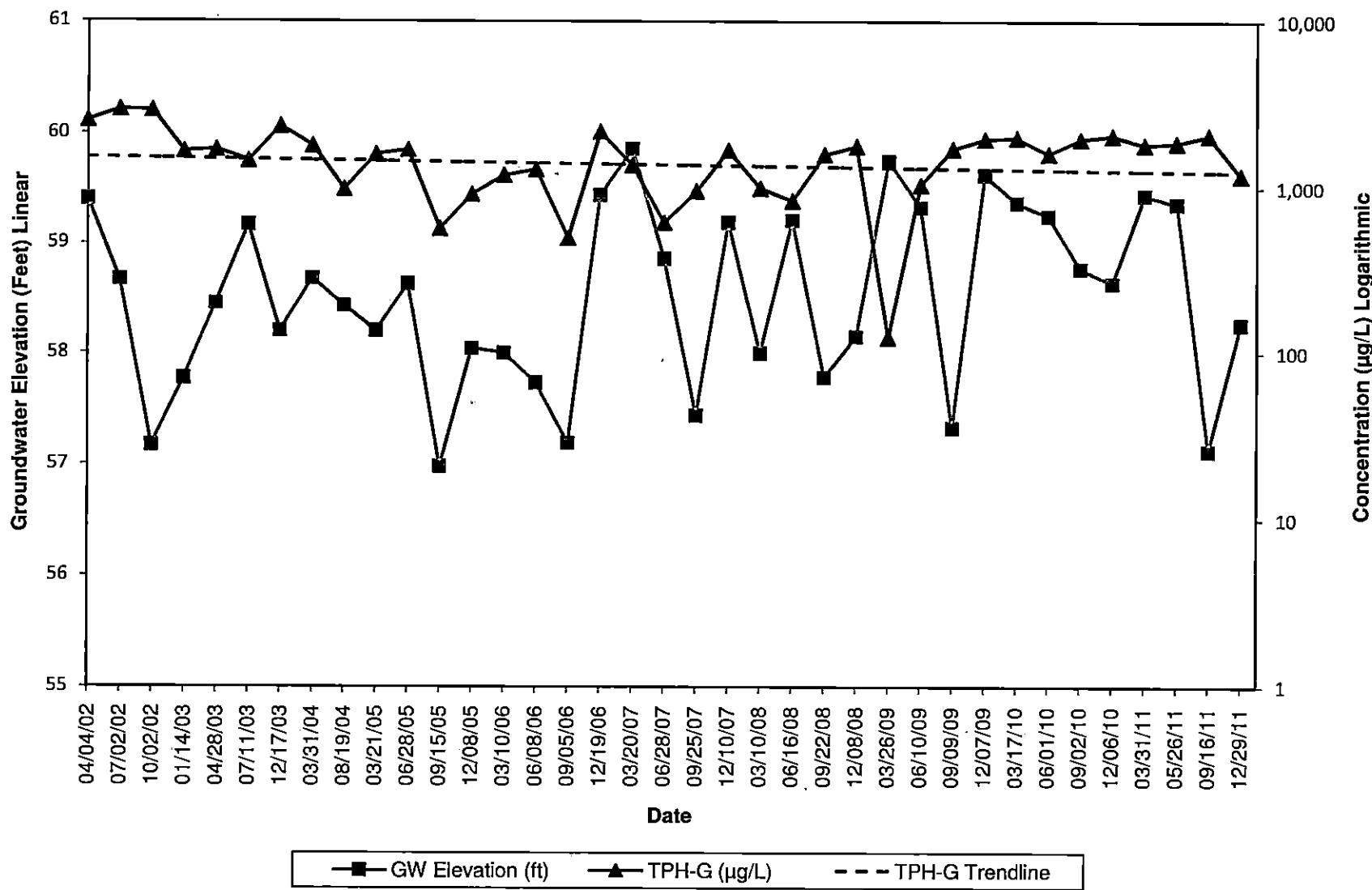


**SAIC**

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

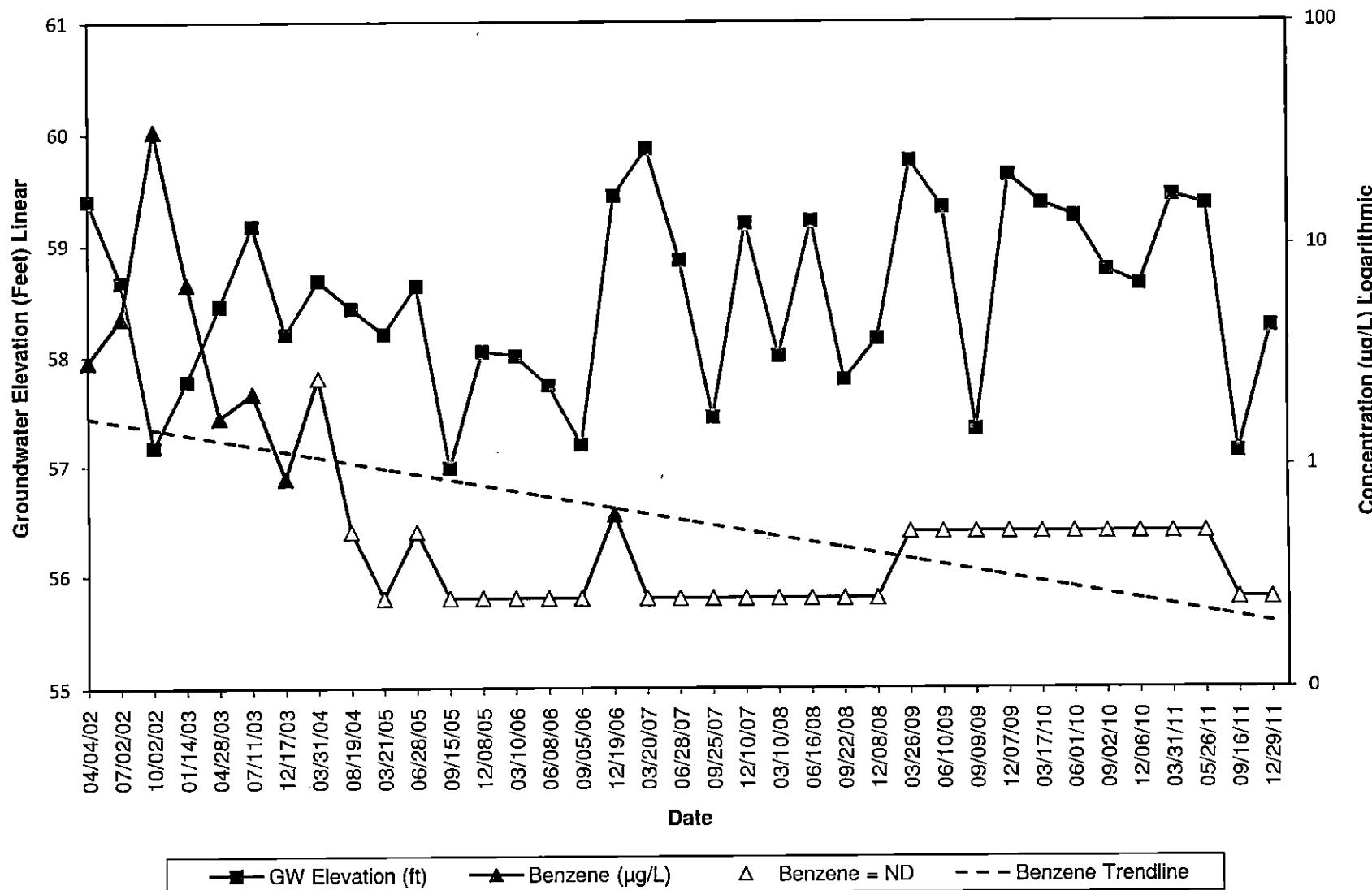
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MW-6A  
Hydrograph - Gasoline-Range Hydrocarbons  
76 Products Facility No. 351439  
202 Avenue D, Snohomish, Washington



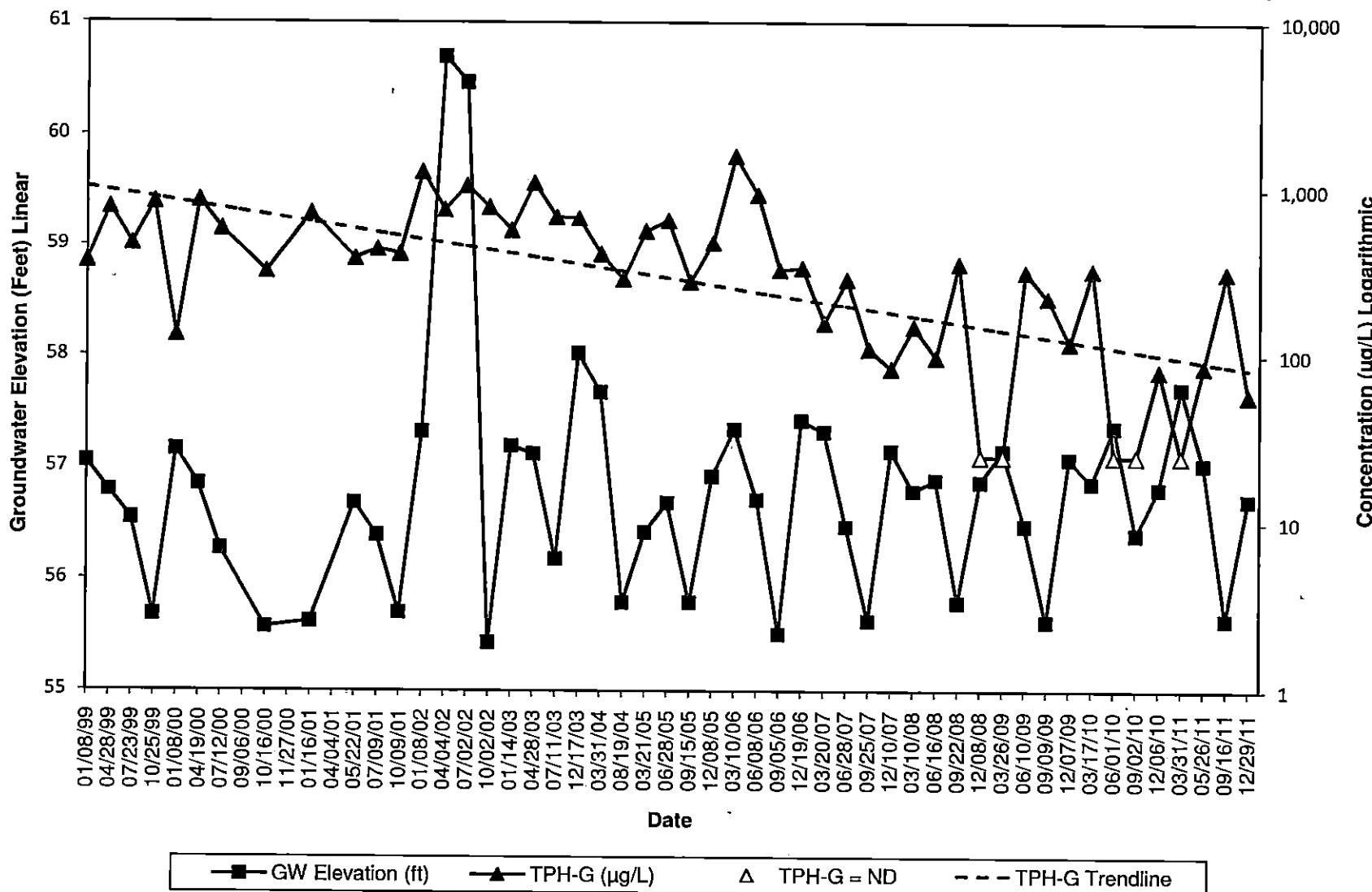
**SAIC**

**MW-6A**  
**Hydrograph - Benzene**  
**76 Products Facility No. 351439**  
**202 Avenue D, Snohomish, Washington**



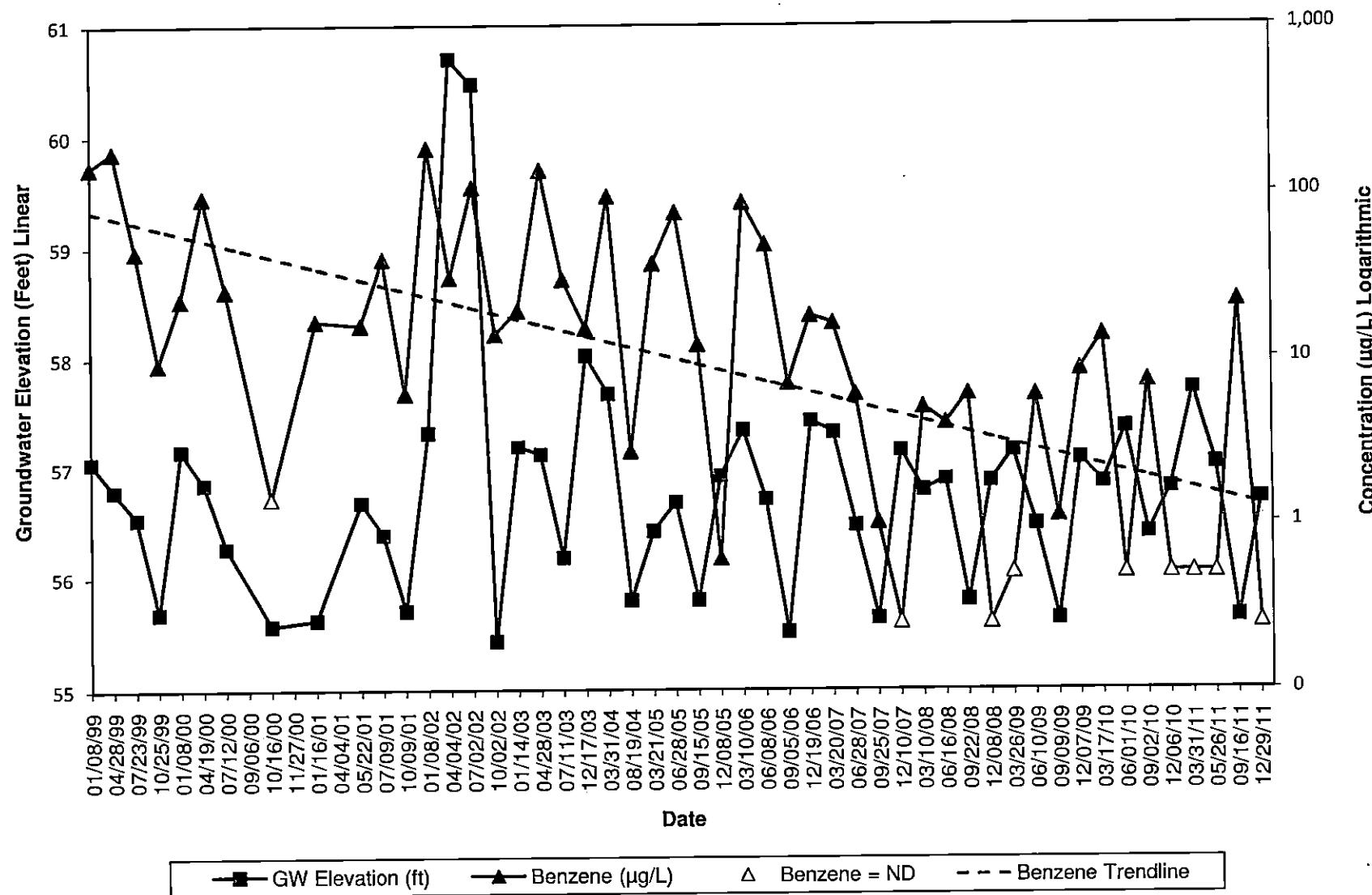
**SAIC**

**MW-11**  
**Hydrograph - Gasoline-Range Hydrocarbons**  
**76 Products Facility No. 351439**  
**202 Avenue D, Snohomish, Washington**



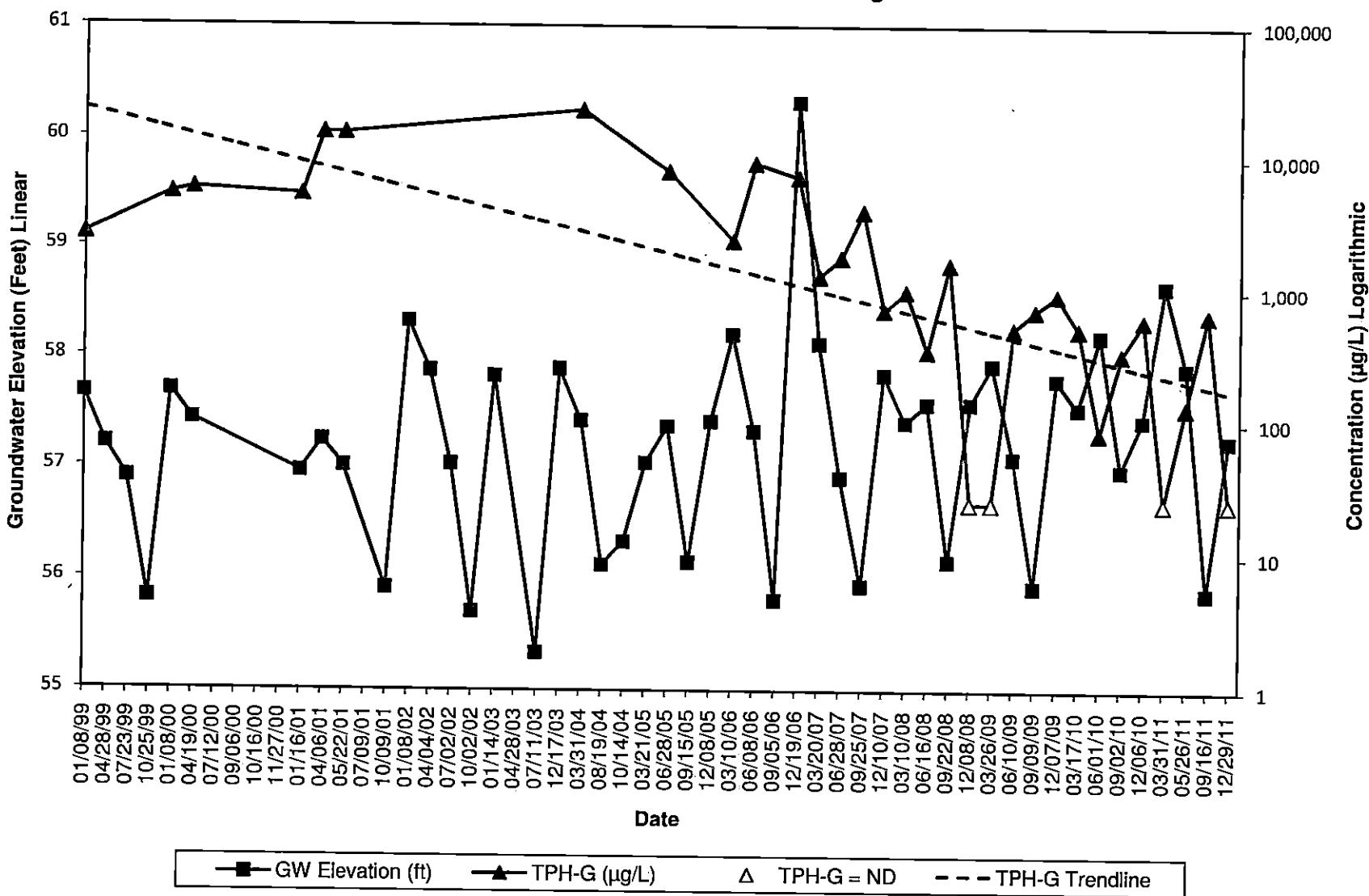
**SAIC**

**MW-11**  
**Hydrograph - Benzene**  
**76 Products Facility No. 351439**  
**202 Avenue D, Snohomish, Washington**



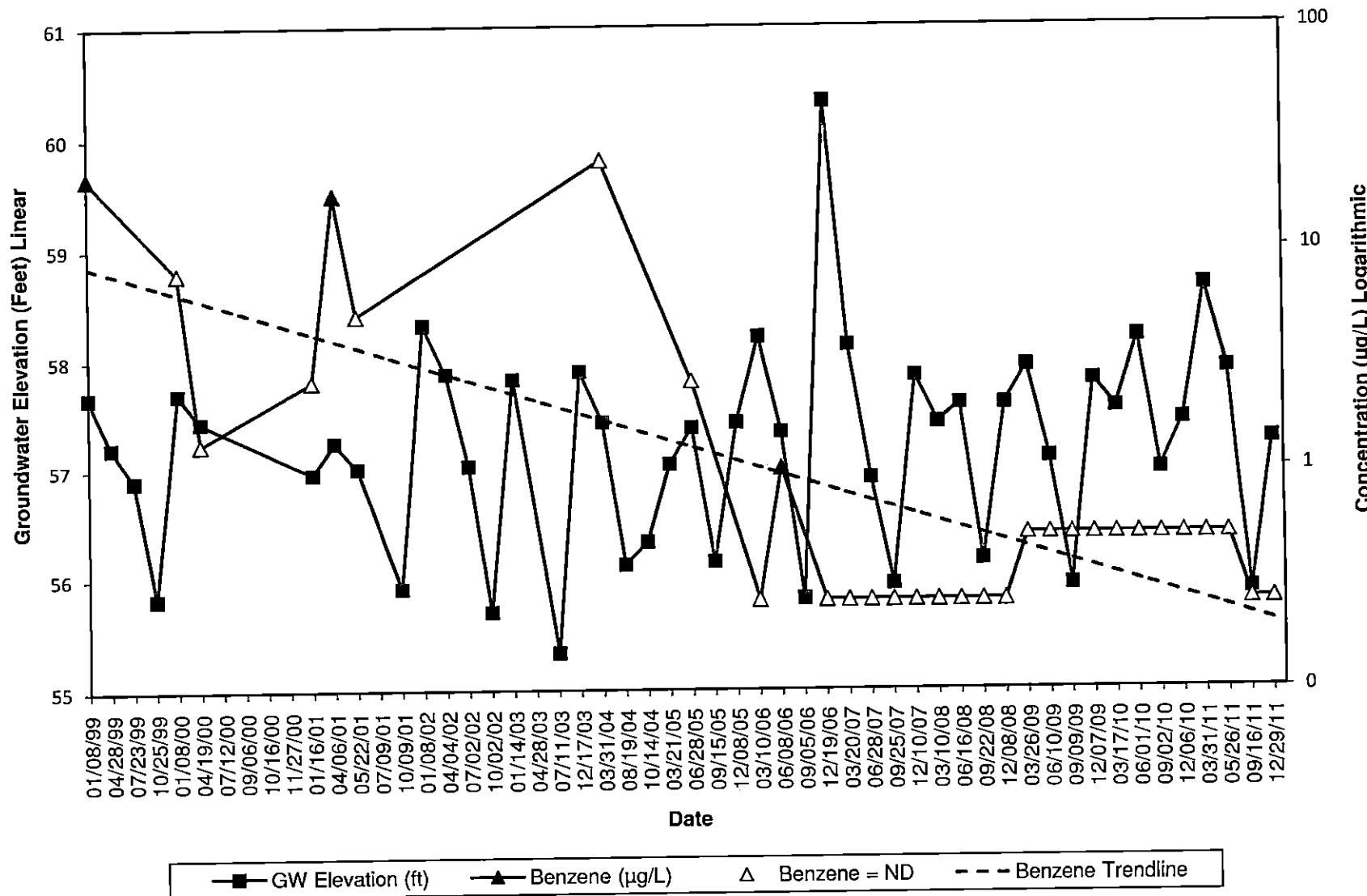
**SAIC**

**MW-12**  
**Hydrograph - Gasoline-Range Hydrocarbons**  
**76 Products Facility No. 351439**  
**202 Avenue D, Snohomish, Washington**



**SAIC**

**MW-12**  
**Hydrograph - Benzene**  
**76 Products Facility No. 351439**  
**202 Avenue D, Snohomish, Washington**



**SAIC**