Starvin Sams Mini Mart Bellingham LUST 4712759

October 14, 2014

leidos

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

Subject: **Second Quarter 2014 Groundwater Monitoring and Sampling Report**
76 Products Facility No. 351448
200 South 36th 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 June 4, 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 189.88 (MW-8) to 191.39 (MW-5) feet above mean sea level. Groundwater flow is to the northwest at a gradient of approximately 0.01 feet per foot; however, a southerly gradient exists in the southeast portion of the property with a gradient of approximately 0.05 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 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 second 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.

- Benzene was detected at a concentration in monitoring well MW-8 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.

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

Sincerely,

Leidos Engineering, LLC

Ron Santos, PE
Senior Project Engineer

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

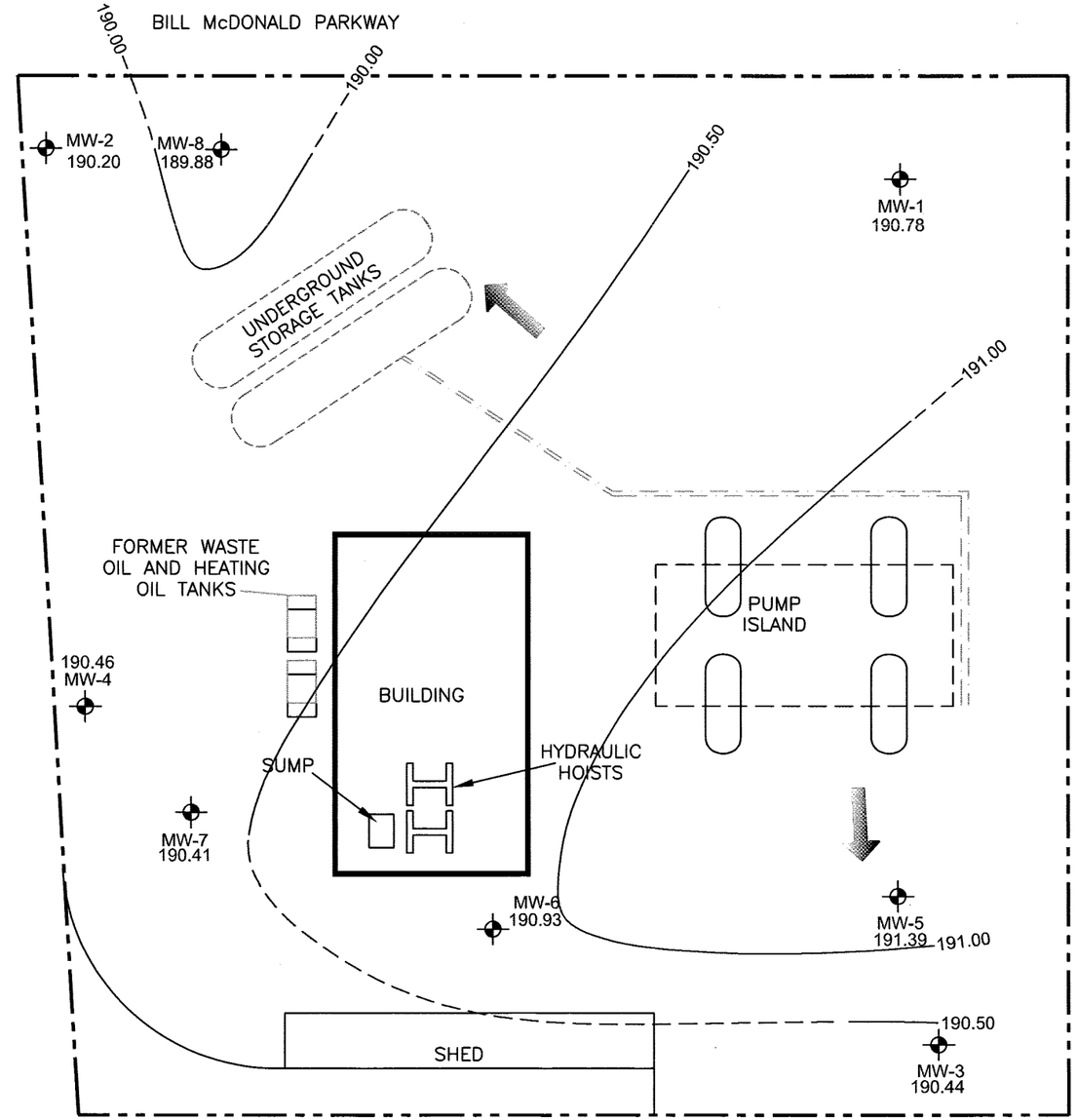
This technical document was prepared on behalf of CEMC and is intended for its sole use and for use by the local, state, or federal regulatory agency that the technical document was sent to by Leidos. Any other person or entity obtaining, using, or relying on this technical document hereby acknowledges 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 on by Leidos in the context of this technical document. The conclusions, therefore, represent our professional opinion based on the identified sources of information.



N

0 20'

Feet

LEGEND

MW-1 ⊕	MONITORING WELL LOCATION
- - - -	SITE BOUNDARY
(190.46)	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=0.01 FT/FT SOUTHERLY COMPONENT=0.05 FT/FT

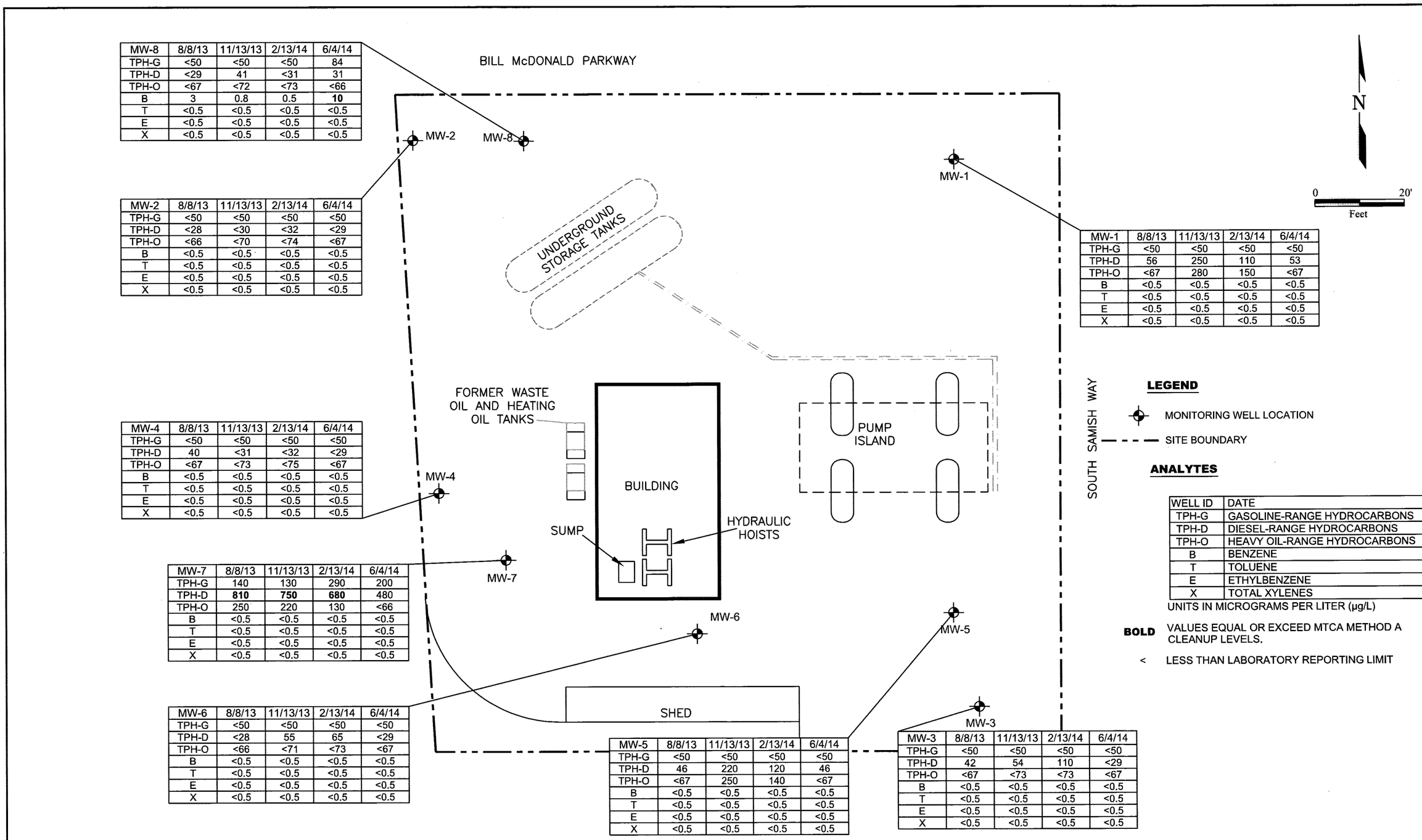
leidos

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
June 4, 2014

DATE: 6/19/2014 | DRAWING: 351448 Site Map.dwg



MW-8	8/8/13	11/13/13	2/13/14	6/4/14
TPH-G	<50	<50	<50	84
TPH-D	<29	41	<31	31
TPH-O	<67	<72	<73	<66
B	3	0.8	0.5	**10**
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	8/8/13	11/13/13	2/13/14	6/4/14
TPH-G	<50	<50	<50	<50
TPH-D	<28	<30	<32	<29
TPH-O	<66	<70	<74	<67
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-1	8/8/13	11/13/13	2/13/14	6/4/14
TPH-G	<50	<50	<50	<50
TPH-D	56	250	110	53
TPH-O	<67	280	150	<67
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	8/8/13	11/13/13	2/13/14	6/4/14
TPH-G	<50	<50	<50	<50
TPH-D	40	<31	<32	<29
TPH-O	<67	<73	<75	<67
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	8/8/13	11/13/13	2/13/14	6/4/14
TPH-G	140	130	290	200
TPH-D	**810**	**750**	**680**	480
TPH-O	250	220	130	<66
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	8/8/13	11/13/13	2/13/14	6/4/14
TPH-G	<50	<50	<50	<50
TPH-D	<28	55	65	<29
TPH-O	<66	<71	<73	<67
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	8/8/13	11/13/13	2/13/14	6/4/14
TPH-G	<50	<50	<50	<50
TPH-D	46	220	120	46
TPH-O	<67	250	140	<67
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	8/8/13	11/13/13	2/13/14	6/4/14
TPH-G	<50	<50	<50	<50
TPH-D	42	54	110	<29
TPH-O	<67	<73	<73	<67
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

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

leidos

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 (June 4, 2014)

DATE: 6/19/2014 | DRAWING: 351448 Site Map.dwg

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
76 PRODUCTS FACILTY 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	03/11/99	4.96	--	93.53	<50	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	--	--	2.41	--	--
98.49	05/25/99	5.33	--	93.16	<50	<250	<750[e]	<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[e]	<0.500	<0.500	<0.500	<1.00	--	--	--	6.18	--	--
	02/10/00	6.10	--	92.39	<50	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	--	--	1.75	--	--
	02/02/01	5.17	--	93.32	<50	**588**	<750[e]	**12.4**	1.02	1.10	2.77	--	--	--	--	<1.00	--
	02/08/02	5.77	--	92.72	**838**	**1,600**	<500	**128**	2.15	85.4	6.55	--	--	--	7.70	<1.00	--
	09/20/02	6.27	--	92.22	197	**1,320**	<588[e]	1.82	<0.500	33.0	<1.00	--	--	--	<1.00	--	--
	12/04/02	7.05	--	91.44	373	**511**	<568[e]	**106**	1.32	1.39	5.41	--	--	--	4.65	--	--
	03/05/03	5.70	--	92.79	168	<250	<500	**28.3**	1.70	3.55	5.87	--	--	--	4.90	--	--
	06/10/03	5.92	--	92.57	400	<250	<500	**36.9**	2.43	30.5	6.97	--	--	--	**17.1**	--	--
	09/03/03	6.30	--	92.19	258	301	<588[e]	1.91	3.22	4.30	5.25	--	--	--	8.72	--	--
	12/12/03	5.53	--	92.960	204	**700**	304	2.45	<0.500	<0.500	<1.500	--	--	--	<5.0	--	--
	03/24/04	6.11	--	92.38	163	<126	<251	**12.6**	<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[e]	<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	1.0	--	--	--	--	--
	09/06/07	6.01	--	92.48	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	0.5	--	--	--	--	--
	12/03/07	6.63	--	91.86	<50	<400[c]	<500[c]	<0.5	<0.7	<0.8	<0.8	0.6	--	--	--	--	--
	03/05/08	5.34	--	93.15	<50[d]	<800[c,e]	<1,000[c,e]	**11**	<0.7	<0.8	<0.8	1	--	--	--	--	--
	06/11/08	5.34	--	93.15	<50	<800[b,c,e]	<1,000[b,c,e]	**10**	<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	1	--	--	--	--	--
	12/10/08	5.62	--	92.87	<50	<29	<69	<0.5	<0.7	<0.8	<0.8	--	--	--	--	--	--
	03/31/09	5.55	--	92.94	<50	<83	<420	<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	<0.010	<1.0	<1.0	--
195.79	09/29/09	6.67	--	189.12	<50	<77.7	<388	<1.0	<1.0	<1.0	<3.0	<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	7.2	--	--	--	--	--	--
	06/04/10	5.16	--	190.63	<50	187	<392	<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	<3.0	--	--	--	--	--	--
	12/02/10	5.61	--	190.18	<50	<77.7	<388	<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	<3.0	--	--	--	--	--	--
	05/18/11	4.61	--	191.18	<50	<30	<69	<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	--	--	--	--	--	<50
	11/22/11	5.99	--	189.80	<50	<29	<68	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	03/30/12	6.22	--	189.57	<50	<29	<67	**40**	2	<0.5	<0.5	--	--	--	--	--	<50
	05/08/12	5.02	--	190.77	<50	<29	<68	**10**	0.9	<0.5	<0.5	--	--	--	--	--	<50

leidos

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
76 PRODUCTS FACILTY 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
	06/04/14	5.01	--	190.78	<50	53	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
MW-2 100.74	03/11/99	7.93	--	92.81	<50	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	--	--	**162**	--	--
	05/25/99	8.18	--	92.56	<50	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--
	08/12/99	8.94	--	91.80	<50	281	<750[e]	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--
	12/07/99	8.04	--	92.70	<50	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	--	--	**17.0**	--	--
	02/10/00	8.32	--	92.42	<50	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	--	--	**49.1**	--	--
	02/02/01	6.40	--	94.34	<50	<250	<750[e]	<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[e]	<0.500	1.36	<0.500	2.53	--	--	--	**40.1**	--	--
	09/03/03	9.13	--	91.61	<80	<298	<595[e]	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[e]	<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[c,e]	<1,000[c,e]	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--
	06/11/08	8.25	--	92.49	<50	<76[b]	<95[b]	<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	--	--	--	--	--	--	--	--	--	--	--	--	--
	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	--
198.03	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

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
76 PRODUCTS FACILTY 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	08/17/11	8.80	--	189.23	<50	<31	<72	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
(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	--	--	--	--	--	<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
	06/04/14	7.83	--	190.20	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
MW-3	03/11/99	4.93	--	92.91	<50	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	--	--	6.35	--	--
97.84	05/25/99	5.19	--	92.65	210	383	<750[e]	<0.500	<0.500	3.04	3.93	--	--	--	--	--	--
	08/12/99	5.70	--	92.14	56.3	<250	<750[e]	<0.500	<0.500	0.732	1.84	--	--	--	--	--	--
	12/07/99	5.03	--	92.81	94.7	<250	<750[e]	<0.500	0.598	<0.500	<1.00	--	--	--	4.40	--	--
	02/10/00	4.92	--	92.92	<50	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	--	--	**17.6**	--	--
	02/02/01	4.76	--	93.08	63.0	413	<750[e]	<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[e]	<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[b]	**560[b]**	<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.															
	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	--
195.19	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	--	--	--	--	--	--

leidos

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
76 PRODUCTS FACILTY 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.)	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	--	--	--	--	--	--
	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
	06/04/14	4.75	--	190.44	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
MW-4 99.44	03/11/99	6.39	--	93.05	<50	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	--	--	**29.0**	--	--
	05/25/99	6.62	--	92.82	<50	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--
	08/12/99	7.31	--	92.13	<50	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--
	12/07/99	6.37	--	93.07	<50	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	--	--	10.2	--	--
	02/10/00	6.48	--	92.96	<50	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	--	--	**23.6**	--	--
	02/02/01	6.37	--	93.07	<50	<250	<750[e]	<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[e]	<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[e]	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[e]	<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[b]	<94[b]	<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.															
	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	--

leidos

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
76 PRODUCTS FACILTY 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
196.77	09/29/09	7.71	--	189.06	<50	256	<396	<1.0	<1.0	<1.0	<3.0	<1.0	--	--	--	--	--
MW-4	12/09/09	6.53	--	190.24	<50	142	<385	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
(cont.)	02/26/10	6.39	--	190.38	<50	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
	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
	06/04/14	6.31	--	190.46	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
MW-5	01/11/06	4.04	--	97.10	<48	<75	<94	1.7	<0.2	<0.2	<0.6	--	--	--	<8.4	--	--
101.14	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	--
195.00	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	--	--	--	--	--	<50
	08/17/11	5.11	--	189.89	<50	<30[f]	<69[f]	<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	--	--	--	--	--	<50
	03/30/12	4.43	--	190.57	<50	<29	<67	<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	--	--	--	--	--	<50
	08/16/12	4.52	--	190.48	<50	<28	<66	<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	--	--	--	--	--	<50
	02/20/13	3.99	--	191.01	<50	160	180	<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	--	--	--	--	--	<50

leidos

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
76 PRODUCTS FACILTY 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-5	08/08/13	4.66	--	190.34	<50	46	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
(cont.)	11/13/13	4.30	--	190.70	<50	220	250	<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	--	--	--	--	--	<50
	06/04/14	3.61	--	191.39	<50	46	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
MW-6	01/11/06	4.89	--	94.85	<48	<75	<94	<0.2	<0.2	<0.2	<0.6	--	--	--	<8.4	--	--
99.74	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	<0.5	--	--	--	--	--
	12/03/07	5.46	--	94.28	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--
	03/05/08	5.46	--	94.28	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--
	06/11/08	5.39	--	94.35	<50	<76	250	<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	<0.5	--	--	--	--	--
	12/10/08	Removed from sampling event this quarter.															
	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	--
196.52	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	--	--	--	--	--	<50
	05/20/13	5.47	--	191.05	<50	<29	<67	<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	--	--	--	--	--	<50
	11/13/13	5.70	--	190.82	<50	55	<71	<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	--	--	--	--	--	<50
	06/04/14	5.59	--	190.93	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
MW-7	01/11/06	6.07	--	93.57	160	**780**[b]	<94[b]	<0.2	<0.2	<0.2	<0.6	2.5	--	--	<8.4	--	--
99.64	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	--	--	--	--	--	--

leidos

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
76 PRODUCTS FACILTY 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	03/31/09	6.62	--	93.02	352	220	<420	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--
(cont.)	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	--
196.93	09/29/09	7.97	--	188.96	134	**839**	**566**	<1.0	<1.0	<1.0	<3.0	<1.0	--	--	--	--	--
	12/09/09	6.97	--	189.96	169	**891**	<385	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
	02/26/10	6.74	--	190.19	190	**1,120**	**518**	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
	06/04/10	6.50	--	190.43	151	**1,200**	<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	**730**	<68	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	08/17/11	7.60	--	189.33	160	**560**	<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	**670**	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	05/08/12	6.53	--	190.40	130	**610**	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	08/16/12	7.56	--	189.37	340	**950**	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	11/12/12	6.63	--	190.30	230	**580**	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	02/20/13	6.44	--	190.49	98	<29[h]	<67[h]	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	05/20/13	6.48	--	190.45	340	**640**	87	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	08/08/13	7.45	--	189.48	140	**810**	250	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	11/13/13	6.80	--	190.13	130	**750**	220	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	02/13/14	6.55	--	190.38	290	**680**	130	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	06/04/14	6.52	--	190.41	200	480	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
MW-8	01/11/06	7.00	--	95.70	<48	<76	<95	<0.2	<0.2	<0.2	<0.6	--	--	--	<8.4	--	--
102.70	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	**860**	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--
	06/11/08	7.22	--	95.48	<50[d]	240	**1,000**	<0.5[d]	0.7[d]	<0.5[d]	<0.5[d]	<0.5[d]	--	--	--	--	--
	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	--
197.48	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 FACILTY 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	02/21/11	7.08	--	190.40	Not part of the sampling schedule this reporting period.												
(cont.)	05/18/11	6.52	--	190.96	<50	**740**	<370	1	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	08/17/11	8.35	--	189.13	<50	<30[g]	<70[g]	<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	--	--	--	--	--	<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	**820[i]**	180[i]	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	05/20/13	7.52	--	189.96	85	<29	<68	**6**	<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
	06/04/14	7.60	--	189.88	84	31	<66	**10**	<0.5	<0.5	<0.5	--	--	--	--	--	<50
MTCA Method A Cleanup Levels:					1,000/800[a]	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 FACILTY NO. 351448

200 South 36th Street, Bellingham, Washington

Concentrations reported in µg/L

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 ample 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

WELL GAUGING DATA

Project # 140604-LB1 Date 6/4/14 Client CHEVRON

Site 200 S. 36TH ST, BELLINGHAM, 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-1	0815	2					5.01	22.68		
MW-2	0828	2					7.83	20.72		
MW-3	0803	2					4.75	20.90		
MW-4	0833	2					6.31	20.36		
MW-5	0809	2					3.61	13.62		
MW-6	0756	2					5.59	13.63		
MW-7	0839	2					6.52	18.00		
MW-8	0824	2					7.60	17.45	↓	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 140604-LB1	Client: CHEVRON
Sampler: LB	Gauging Date: 6/4/14
Well I.D.: MW-1	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 22.68	Depth to Water (ft.): 5.01
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____

Start Purge Time: 1029 Flow Rate: 200 ML/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.)
1033	14.61	6.46	1190	17	1.34	20.3	600	5.03
1036	14.57	6.44	1191	15	1.27	19.4	1200	5.04
1039	14.59	6.44	1190	14	1.26	16.1	1800	5.05
1042	14.60	6.45	1189	13	1.25	15.4	2400	5.05
1045	14.61	6.46	1187	12	1.24	14.2	3000	5.05

Did well dewater? Yes (No) Amount actually evacuated: 3L

Sampling Time: 1046 Sampling Date: 6/4/14

Sample I.D.: MW-1 Laboratory: LANCASTER

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) Other: SEE COC

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 140604-LB1	Client: CHEVRON
Sampler: LB	Gauging Date: 6/4/14
Well I.D.: MW-2	Well Diameter (in.): ~~2~~ 3 4 6 8 ___
Total Well Depth (ft.): 20.72	Depth to Water (ft.): 7.83
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 ___

Start Purge Time: 1134 Flow Rate: 200 mL/MIN Pump Depth: 14.5'

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.)
1137	14.19	6.73	745	18	1.24	31.7	600	7.85
1140	14.08	6.74	744	16	1.17	30.6	1200	7.85
1143	14.07	6.78	740	15	1.16	28.7	1800	7.85
1146	14.06	6.79	739	14	1.15	27.2	2400	7.85
1149	14.05	6.80	738	13	1.14	26.1	3000	7.85

Did well dewater? Yes ~~No~~ Amount actually evacuated: 3L

Sampling Time: 1150 Sampling Date: 6/4/14

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.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 140604-LB1	Client: CHEVRON
Sampler: LB	Gauging Date: 6/4/14
Well I.D.: MW-3	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 20.90	Depth to Water (ft.): 4.75
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 ____

Start Purge Time: 0921 Flow Rate: 200 mL/MIN Pump Depth: 13'

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.)
0924	12.91	6.67	1112	17	1.53	41.3	600	4.79
0927	12.91	6.65	1105	16	1.44	40.6	1200	4.79
0930	12.90	6.64	1102	15	1.43	39.8	1800	4.79
0933	12.89	6.65	1101	14	1.42	38.7	2400	4.79
0936	12.88	6.66	1100	13	1.41	37.6	3000	4.79

Did well dewater? Yes (No)	Amount actually evacuated: 3L
Sampling Time: 0937	Sampling Date: 6/4/14
Sample I.D.: MW-3	Laboratory: LANCASTER
Analyzed for: (TPH-G) (BTEX) MTBE TPH-D	Other: SEE COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 140604-LB1	Client: CHEVRON
Sampler: LB	Gauging Date: 6/4/14
Well I.D.: MW-4	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 20.36	Depth to Water (ft.): 6.31
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 ___

Start Purge Time: 1206 Flow Rate: 200mL/MIN Pump Depth: 13.5'

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.)
1209	13.48	6.35	810	18	1.74	75.6	600	6.33
1212	13.50	6.34	818	16	1.67	76.7	1200	6.33
1215	13.51	6.35	821	15	1.63	74.0	1800	6.33
1218	13.52	6.36	822	14	1.62	73.4	2400	6.33
1221	13.53	6.37	823	13	1.61	72.6	3000	6.33

Did well dewater? Yes (NO) Amount actually evacuated: 3L

Sampling Time: 1222 Sampling Date: 6/4/14

Sample I.D.: MW-4 Laboratory: LANCASTER

Analyzed for: ~~TPH-G~~ (BTEX) MTBE (~~TPH-D~~) Other: SEE COC

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 140604-181	Client: CHEVRON
Sampler: LB	Gauging Date: 6/4/14
Well I.D.: MW-5	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 13.52	Depth to Water (ft.): 3.61
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____

Start Purge Time: 0959 Flow Rate: 200 mL/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.)
1002	14.40	6.46	1589	19	1.27	25.5	600	3.65
1005	14.40	6.46	1587	16	1.22	27.0	1200	3.66
1008	14.38	6.47	1587	14	1.21	21.6	1800	3.66
1011	14.37	6.48	1586	13	1.20	20.9	2400	3.67
1014	14.36	6.49	1585	12	1.19	19.5	3000	3.67

Did well dewater? Yes (No) Amount actually evacuated: 3L

Sampling Time: 1015 Sampling Date: 6/4/14

Sample I.D.: MW-5 Laboratory: LANCASTER

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) Other: SEE COC

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 140604-LB1	Client: CHEVRON
Sampler: LB	Gauging Date: 6/4/14
Well I.D.: MW-6	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 13.63	Depth to Water (ft.): 5.59
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 ____

Start Purge Time: 0850 | Flow Rate: 200 mL/MIN | Pump Depth: 10'

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.)
0853	14.34	6.52	1322	16	1.58	34.3	600	5.61
0886	14.29	6.55	1313	14	1.57	31.3	1200	5.61
0859	14.28	6.56	1314	13	1.56	30.6	1800	5.61
0902	14.26	6.57	1315	12	1.55	29.4	2400	5.61
0905	14.25	6.58	1316	11	1.54	28.4	3000	5.61

Did well dewater? Yes (No)	Amount actually evacuated: 3L
Sampling Time: 0906	Sampling Date: 6/4/14
Sample I.D.: MW-6	Laboratory: LANCASTER
Analyzed for: (TPH-G) ~~BTEX~~ MTBE (TPH-D)	Other: SEE COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 140604-LB1	Client: CHEVRON
Sampler: LB	Gauging Date: 6/4/14
Well I.D.: MW-7	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 18.00	Depth to Water (ft.): 6.52
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____

Start Purge Time: 1236 Flow Rate: 200mL/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.)
1239	14.94	6.54	996	21	1.24	14.2	600	6.55
1242	14.96	6.56	990	18	1.19	12.9	1200	6.56
1245	14.94	6.57	989	17	1.18	11.5	1800	6.56
1248	14.95	6.58	988	16	1.17	10.2	2400	6.57
1251	14.96	6.59	987	15	1.16	9.6	3000	6.57

Did well dewater? Yes (No)	Amount actually evacuated: 3L
Sampling Time: 1252	Sampling Date: 6/4/14
Sample I.D.: MW-7	Laboratory: LANCASTER
Analyzed for: (TPH-G) ~~BTEX~~ MTBE (TPH-D)	Other: SEE COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 140604-LB1	Client: CHEVRON
Sampler: LB	Gauging Date: 6/4/14
Well I.D.: MW-8	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 17.45	Depth to Water (ft.): 7.60
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 ___

Start Purge Time: 1104 Flow Rate: 200 mL/MIN Pump Depth: 13'

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.)
1107	14.86	6.70	1349	22	1.35	35.2	600	7.63
1110	14.97	6.69	1353	18	1.30	32.3	1200	7.63
1113	14.96	6.69	1359	17	1.28	30.9	1800	7.63
1116	14.95	6.68	1360	16	1.27	29.4	2400	7.63
1119	14.94	6.67	1361	15	1.26	28.3	3000	7.63

Did well dewater? Yes (No)	Amount actually evacuated: 3 L
Sampling Time: 1120	Sampling Date: 6/4/14
Sample I.D.: MW-8	Laboratory: LANCASTER
Analyzed for: (TPH-G) BTEX MTBE (TPH-D)	Other: CEE COC
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: 35-1448

Program Designation: CMP

Site Address (street, city, state / county): 200 S 36th St, Bellingham, WA

Chevron PM: J Mark Inglis

Chevron PM Phone No.:

☐ Retail and Terminal Business Unit (RTBU) Job
☐ Construction/Retail Job

Chevron Consultant: Leidos

Address: 18912 North Creek Parkway, Suite 101, Bothell, WA 98011

Consultant Contact: Ron Santos

Consultant Phone No. (208) 429-3772

Consultant Project No. 140604-LB1

Sampling Company: Blaine Tech Services

Sampled By (Print): LEE BURES

Sampler Signature:

Charge Code: NWRTB 00SITE NUMBER-0- OML

WBS ELEMENTS:
SITE ASSESSMENT: A1L REMEDIATION IMPLEMENTATION: R5L
SITE MONITORING: OML OPERATION MAINTENANCE & MONITORING: M1L

Lancaster Laboratories
☒ 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.

ANALYSES REQUIRED

Preservation Codes: H =HCL T= Thiosulfate; N =HNO_3 B = NaOH; S = H_2SO_4 O = Other

Special Instructions

SAMPLE ID: Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	# of Containers	Container Type	TPH-DRO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-Dx w/ sgc)	TPH-ORO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-Dx w/ sgc)	TPH-HRO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-Dx w/ sgc)	8260B FULL SCAN VOCs☐ EDC☐ TBA☐ TAME☐ EDB☐ ETHANOL☒ BTEX☒ MTBE☐	PAH's☐ cPAH's☐ 8270 SIM	TPH-G (NWTPH-Gx)	ALKALLINITY 2320 ☐	DISSOLVED LEAD (6020)	TPH-D AND TPH-O BY (NWTPH-Dx)	RBDM VOCS (OREGON RISK BASED DECISION MAKING LIST)	SULFATE 300 ☐ NITRATE 300 ☐ FERROUS IRON SM20 3500 ☐	Notes/Comments
MW-1	GW	—	140604	1046	8	VOA, AMBER				X		X			X			
MW-2	GW	—	140604	1150	8					X		X			X			
MW-3	GW	—	140604	0937	8					X		X			X			
MW-4	GW	—	140604	1222	8					X		X			X			
MW-5	GW	—	140604	1015	8					X		X			X			
MW-6	GW	—	140604	0906	8					X		X			X			
MW-7	GW	—	140604	1252	8					X		X			X			
MW-8	GW	—	140604	1120	8	↓				X		X			X			
GA	GW	—	140604	0800	3	VOA				X		X						

Relinquished By	Company	Date/Time:	Relinquished To	Company	Date/Time
		6/4/14			
Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time
Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time

Turnaround Time: Standard☒ 24 Hours☐ 48 hours☐ 72 Hours☐ Other☐

Sample Integrity: (Check by lab on arrival)

Intact: On Ice: Temp:

COC #

WELLHEAD INSPECTION FORM

Client: CHEVRON Site: 200 S. 36TH ST, BELLINGHAM, WA Date: 6/4/14

Job #: 140604-LB1 Technician: L. BORES Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Check indicates deficiency: Cap non-functional	Lock 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	Other (explain in notes)	Well Not Inspected (explain in notes)	Notes (list if cap or lick 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)
MW-1						2/2									
MW-2	X														
MW-3						3/3									
MW-4						2/3									
MW-5						2/3	1/3								
MW-6						3/3									
MW-7						3/3									
MW-8						2/2									

NOTES:

CHEVRON-WASHINGTON/OREGON TYPE **A** BILL OF LADING

SOURCE RECORD **BILL OF LADING** FOR PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT CHEVRON FACILITIES IN THE STATE OF WASHINGTON AND OREGON. THE PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR AND HAULED TO THEIR FACILITY IN KENT, WASHINGTON FOR TEMPORARILY HOLDING PENDING TRANSPORT BY OTHERS TO FINAL DESTINATION.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BLAINE TECH), 22727 72ND Ave South, Suite D – 102, Kent, WA 98032. BLAINE TECH. is authorized by Chevron Environmental Management Company (CHEVRON EMC) to recover, collect, apportion into loads, and haul the purgewater that is drawn from wells at the CHEVRON EMC facility indicated below and to deliver that purgewater to BLAINE TECH for temporarily holding. Transport routing of the purgewater may be direct from one CHEVRON EMC facility to BLAINE TECH; from one CHEVRON EMC facility to BLAINE TECH via another CHEVRON EMC facility; or any combination thereof. The well purgewater is and remains the property of CHEVRON EMC.

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:

35-1448 — CHEVRON #

J. MARK INGLIS — Chevron Project Manager

200 S. 36TH ST, BELLINGHAM, WA

Street number / street name / city / state

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-1	1.0		
MW-2	1.0		
MW-3	1.0		
MW-4	1.0		
MW-5	1.0		
MW-6	1.0		
MW-7	1.0		
MW-8	1.0		

added equip. rinse water 4.0

any other adjustments

TOTAL GALS. RECOVERED 12.0

loaded onto BTS vehicle # 88

BTS event # 140604-LB1 — time 1320 — date 6/4/14

signature

Blaine Tech Services, Inc.

Permit To Work

for Chevron EMC Sites

Client: Chevron Date 6/4/14

Site Address: 200 S. 36th St Bellingham, WA

Job Number: 140604-LB1 Technician(s): L. Bures

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	☐	☒
Working at height	☐	☒
Lock-out/Tag-out	☐	☒
Excavations greater than 4 feet deep	☐	☒
Excavations within 3 feet of a buried active electrical line or product piping or within 10 feet of a high pressure gas line.	☐	☒
Use of overhead equipment within 15 feet of an overhead electrical power line or pole supporting one	☐	☒
Hot work	☐	☒

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.

	Yes	No
3. Is a Traffic Control Permit required for today's work?	☐	☒
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

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

If Checklist Task cannot be completed, explain:

Permit To Work Authority: Ryan Preston (Name) PM (Title) 6/3/14 (Date) 1219 (Time)

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME 200 S. 36TH St, BELLINGHAM, WA				PROJECT NUMBER 140604-LB1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI 556	SEA #2	6/4/14 0545	PH 4.0 7.0 10.0	4.03 ✓ 7.04 ✓ 9.98 ✓	—	20.6	LB
			COND 3900	3891 ✓	—	20.4	LB
			ORP 237.5	248.4	237.3 ✓	20.4	LB
			DO 100%	86.2%	100.1% ✓	—	LB

Attachment B:
Laboratory Analysis Report

eurofins | Lancaster Laboratories Environmental

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

Analysis Report

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

June 19, 2014

Project: 351448

Submittal Date: 06/07/2014
Group Number: 1480235
PO Number: 0015148067
Release Number: INGLIS
State of Sample Origin: WA

Client Sample Description	Lancaster Labs (LL) #
MW-1 NA Groundwater	7491463
MW-2 NA Groundwater	7491464
MW-3 NA Groundwater	7491465
MW-4 NA Groundwater	7491466
MW-5 NA Groundwater	7491467
MW-6 NA Groundwater	7491468
MW-7 NA Groundwater	7491469
MW-8 NA Groundwater	7491470
QA NA Water	7491471

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

ELECTRONIC COPY TO	Blaine Tech Services	Attn: Alex Stack
ELECTRONIC COPY TO	Leidos	Attn: Kinga Kozlowska
ELECTRONIC COPY TO	Leidos	Attn: Ron Santos

Respectfully Submitted,

Lynn M. Frederiksen
Principal Specialist Group Leader

(717) 556-7255

eurofins | Lancaster Laboratories Environmental

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

Analysis Report

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

LL Sample # WW 7491463
LL Group # 1480235
Account # 11255

Project Name: 351448

Collected: 06/04/2014 10:46 by LB

Submitted: 06/07/2014 09:00
Reported: 06/19/2014 10:43

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

36B01

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	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
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	53	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	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	F141632AA	06/12/2014 07:08	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F141632AA	06/12/2014 07:08	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14163A53A	06/13/2014 14:10	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14163A53A	06/13/2014 14:10	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	141610015A	06/11/2014 18:31	Christine E Dolman	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	141610015A	06/10/2014 22:00	Elaine F Stoltzfus	1

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

LL Sample # WW 7491464
LL Group # 1480235
Account # 11255

Project Name: 351448

Collected: 06/04/2014 11:50 by LB

Submitted: 06/07/2014 09:00
Reported: 06/19/2014 10:43

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

36B02

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	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
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1

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	F141632AA	06/12/2014 06:46	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F141632AA	06/12/2014 06:46	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14163A53A	06/13/2014 14:38	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14163A53A	06/13/2014 14:38	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	141610015A	06/11/2014 16:43	Michele D Hamilton	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	141610015A	06/10/2014 22:00	Elaine F Stoltzfus	1

eurofins | Lancaster Laboratories Environmental

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

Analysis Report

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

LL Sample # WW 7491465
LL Group # 1480235
Account # 11255

Project Name: 351448

Collected: 06/04/2014 09:37 by LB

Submitted: 06/07/2014 09:00
Reported: 06/19/2014 10:43

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

36B03

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	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
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1

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	F141632AA	06/12/2014 08:13	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F141632AA	06/12/2014 08:13	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14163A53A	06/13/2014 15:06	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14163A53A	06/13/2014 15:06	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	141610015A	06/11/2014 17:48	Michele D Hamilton	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	141610015A	06/10/2014 22:00	Elaine F Stoltzfus	1

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

LL Sample # WW 7491466
LL Group # 1480235
Account # 11255

Project Name: 351448

Collected: 06/04/2014 12:22 by LB

Submitted: 06/07/2014 09:00
Reported: 06/19/2014 10:43

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

36B04

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	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
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1

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	F141632AA	06/12/2014 08:35	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F141632AA	06/12/2014 08:35	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14163A53A	06/13/2014 15:34	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14163A53A	06/13/2014 15:34	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	141610015A	06/11/2014 17:05	Michele D Hamilton	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	141610015A	06/10/2014 22:00	Elaine F Stoltzfus	1

eurofins | Lancaster Laboratories Environmental

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

Analysis Report

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

LL Sample # WW 7491467
LL Group # 1480235
Account # 11255

Project Name: 351448

Collected: 06/04/2014 10:15 by LB

Submitted: 06/07/2014 09:00
Reported: 06/19/2014 10:43

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

36B05

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	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
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	46	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	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	F141632AA	06/12/2014 08:57	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F141632AA	06/12/2014 08:57	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14163A53A	06/13/2014 16:02	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14163A53A	06/13/2014 16:02	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	141610015A	06/11/2014 18:53	Christine E Dolman	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	141610015A	06/10/2014 22:00	Elaine F Stoltzfus	1

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

LL Sample # WW 7491468
LL Group # 1480235
Account # 11255

Project Name: 351448

Collected: 06/04/2014 09:06 by LB

Submitted: 06/07/2014 09:00
Reported: 06/19/2014 10:43

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

36B06

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	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
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1

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	F141632AA	06/12/2014 09:19	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F141632AA	06/12/2014 09:19	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14163A53A	06/13/2014 16:30	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14163A53A	06/13/2014 16:30	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	141610015A	06/11/2014 18:09	Michele D Hamilton	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	141610015A	06/10/2014 22:00	Elaine F Stoltzfus	1

eurofins | Lancaster Laboratories Environmental

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

Analysis Report

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

LL Sample # WW 7491469
LL Group # 1480235
Account # 11255

Project Name: 351448

Collected: 06/04/2014 12:52 by LB

Submitted: 06/07/2014 09:00
Reported: 06/19/2014 10:43

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

36B07

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	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.	200	50	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	480	28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	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	D141622AA	06/11/2014 12:49	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D141622AA	06/11/2014 12:49	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14163A53A	06/13/2014 16:57	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14163A53A	06/13/2014 16:57	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	141640003A	06/17/2014 16:53	Tracy A Cole	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	141640003A	06/13/2014 16:00	Seth A Farrier	1

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

LL Sample # WW 7491470
LL Group # 1480235
Account # 11255

Project Name: 351448

Collected: 06/04/2014 11:20 by LB

Submitted: 06/07/2014 09:00
Reported: 06/19/2014 10:43

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

36B08

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	10	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
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	84	50	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	31	28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	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	D141622AA	06/11/2014 13:58	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D141622AA	06/11/2014 13:58	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14163A53A	06/13/2014 17:25	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14163A53A	06/13/2014 17:25	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	141640003A	06/17/2014 17:59	Tracy A Cole	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	141640003A	06/13/2014 16:00	Seth A Farrier	1

eurofins | Lancaster Laboratories Environmental

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

Analysis Report

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

LL Sample # WW 7491471
LL Group # 1480235
Account # 11255

Project Name: 351448

Collected: 06/04/2014 08:00

Submitted: 06/07/2014 09:00
Reported: 06/19/2014 10:43

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

36BQA

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	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. 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	D141622AA	06/11/2014 12:26	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D141622AA	06/11/2014 12:26	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14163A53A	06/13/2014 13:15	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14163A53A	06/13/2014 13:15	Marie D Beamenderfer	1

Quality Control Summary

Client Name: Chevron Group Number: 1480235
Reported: 06/19/14 at 10:43 AM

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

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: D141622AA	Sample number(s): 7491469-7491471							
Benzene	N.D.	0.5	ug/l	102		78-120		
Ethanol	N.D.	50.	ug/l	122		54-149		
Ethylbenzene	N.D.	0.5	ug/l	102		79-120		
Toluene	N.D.	0.5	ug/l	102		80-120		
Xylene (Total)	N.D.	0.5	ug/l	104		80-120		
Batch number: F141632AA	Sample number(s): 7491463-7491468							
Benzene	N.D.	0.5	ug/l	94		78-120		
Ethanol	N.D.	50.	ug/l	93		54-149		
Ethylbenzene	N.D.	0.5	ug/l	90		79-120		
Toluene	N.D.	0.5	ug/l	93		80-120		
Xylene (Total)	N.D.	0.5	ug/l	91		80-120		
Batch number: 14163A53A	Sample number(s): 7491463-7491471							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	111	106	75-135	5	30
Batch number: 141610015A	Sample number(s): 7491463-7491468							
Diesel Range Organics C12-C24	N.D.	30.	ug/l	83	83	50-113	0	20
Heavy Range Organics C24-C40	N.D.	70.	ug/l					
Batch number: 141640003A	Sample number(s): 7491469-7491470							
Diesel Range Organics C12-C24	N.D.	30.	ug/l	72	71	50-113	1	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: D141622AA	Sample number(s): 7491469-7491471 UNSPK: 7491469								
Benzene	98	106	72-134	7	30				
Ethanol	104	126	53-146	19	30				
Ethylbenzene	96	103	71-134	8	30				
Toluene	94	101	80-125	7	30				
Xylene (Total)	96	103	79-125	7	30				
Batch number: F141632AA	Sample number(s): 7491463-7491468 UNSPK: 7491463								
Benzene	97	96	72-134	1	30				

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

Quality Control Summary

Client Name: Chevron Group Number: 1480235
Reported: 06/19/14 at 10:43 AM

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
Ethanol	98	103	53-146	4	30				
Ethylbenzene	95	94	71-134	2	30				
Toluene	96	99	80-125	2	30				
Xylene (Total)	99	97	79-125	2	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: D141622AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7491469	96	96	97	99
7491470	94	95	98	100
7491471	95	92	97	98
Blank	96	94	97	99
LCS	95	95	96	101
MS	94	97	96	103
MSD	94	94	96	102
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water
Batch number: F141632AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7491463	97	103	100	95
7491464	97	101	103	99
7491465	97	100	100	97
7491466	96	98	102	97
7491467	97	100	100	97
7491468	98	102	101	97
Blank	96	100	101	96
LCS	95	104	101	98
MS	98	102	100	98
MSD	97	103	101	97
Limits:	80-116	77-113	80-113	78-113

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 14163A53A

	Trifluorotoluene-F
7491463	74
7491464	71
7491465	75
7491466	71

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

Quality Control Summary

Client Name: Chevron
Group Number: 1480235
Reported: 06/19/14 at 10:43 AM

Surrogate Quality Control

7491467	73
7491468	76
7491469	82
7491470	77
7491471	72
Blank	76
LCS	81
LCSD	80
Limits:	63-135

Analysis Name: NWTPH-Dx water
Batch number: 141610015A

	Orthoterphenyl
7491463	98
7491464	100
7491465	98
7491466	102
7491467	103
7491468	99
Blank	94
LCS	109
LCSD	106
Limits:	50-150

Analysis Name: NWTPH-Dx water
Batch number: 141640003A

	Orthoterphenyl
7491469	88
7491470	87
Blank	107
LCS	96
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.

CHAIN OF CUSTODY FORM

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

Chevron Site Number: 35-1448

Program Designation: CMP

Site Address (street, city, state / county): 200 S 36th St, Bellingham, WA

Chevron PM: J Mark Inglis

Chevron PM Phone No.:

☐ Retail and Terminal Business Unit (RTBU) Job
☐ Construction/Retail Job

Chevron Consultant: Leidos

Address: 18912 North Creek Parkway, Suite 101, Bothell, WA 98011

Consultant Contact: Ron Santos

Consultant Phone No. (208) 429-3772

Consultant Project No. 140604-LB1

Sampling Company: Blaine Tech Services

Sampled By (Print): LEE BURES

Sampler Signature: [signature]

Charge Code: NWRTB 00SITE NUMBER-0- OML

WBS ELEMENTS:
SITE ASSESSMENT: A1L — REMEDIATION IMPLEMENTATION: R5L
SITE MONITORING: OML — OPERATION MAINTENANCE & MONITORING: M1L

Lancaster Laboratories
☒ 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.

ANALYSES REQUIRED

Preservation Codes: H = HCL T = Thiosulfate; N = HNO_3 B = NaOH; S = H_2SO_4 O = Other

acct# 11255
Cp# 1480235
Sample# 7491463-71

Special Instructions

Analyses columns: (1) TPH-DRO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-Dx w/ SGC); (2) TPH-ORO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-Dx w/ SGC); (3) TPH-HRO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-Dx w/ SGC); (4) 8260B FULL SCAN VOCs☐ EDC☐ TBA☐ TAME☐ EDB☐ ETHANOL☒ BTEX☒ MTBE☐ [preservation H]; (5) PAH's☐ cPAH's☐ 8270 SIM; (6) TPH-G (NWTPH-Gx) [preservation H]; (7) ALKALINITY 2320 ☐; (8) DISSOLVED LEAD (6020); (9) TPH-D AND TPH-O BY (NWTPH-Dx) [preservation H]; (10) RBDM VOCS (OREGON RISK BASED DECISION MAKING LIST); (11) SULFATE 300 ☐ NITRATE 300 ☐ FERROUS IRON SM20 3500 ☐

Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	# of Containers	Container Type	(1)	(2)	(3)	(4) 8260B	(5)	(6) TPH-G	(7)	(8)	(9) TPH-D/O	(10)	(11)	Notes/Comments
MW-1	GW	—	140604	1046	8	VOA, AMBER				X		X			X			
MW-2	GW	—	140604	1150	8	↓				X		X			X			
MW-3	GW	—	140604	0937	8	↓				X		X			X			
MW-4	GW	—	140604	1222	8	↓				X		X			X			
MW-5	GW	—	140604	1015	8	↓				X		X			X			
MW-6	GW	—	140604	0906	8	↓				X		X			X			
MW-7	GW	—	140604	1252	8	↓				X		X			X			
MW-8	GW	—	140604	1120	8	↓				X		X			X			
QA	GW	—	140604	0800	3	VOA				X		X						

Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time
[signature]	[signature]	6/4/14	[signature]	LLI	6/5/14 15:00
			[signature]	ELLE	6/7/14 900

Turnaround Time: Standard☒ 24 Hours☐ 48 hours☐ 72 Hours☐ Other☐

Sample Integrity: (Check by lab on arrival) Intact: X On Ice: X Temp: 0.5-0.6

COC #

COC Revision Seattle.doc, 02/10/14

eurofins | Lancaster Laboratories Environmental

Explanation of Symbols and Abbreviations

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

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

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

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

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

U.S. EPA CLP Data Qualifiers:

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

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

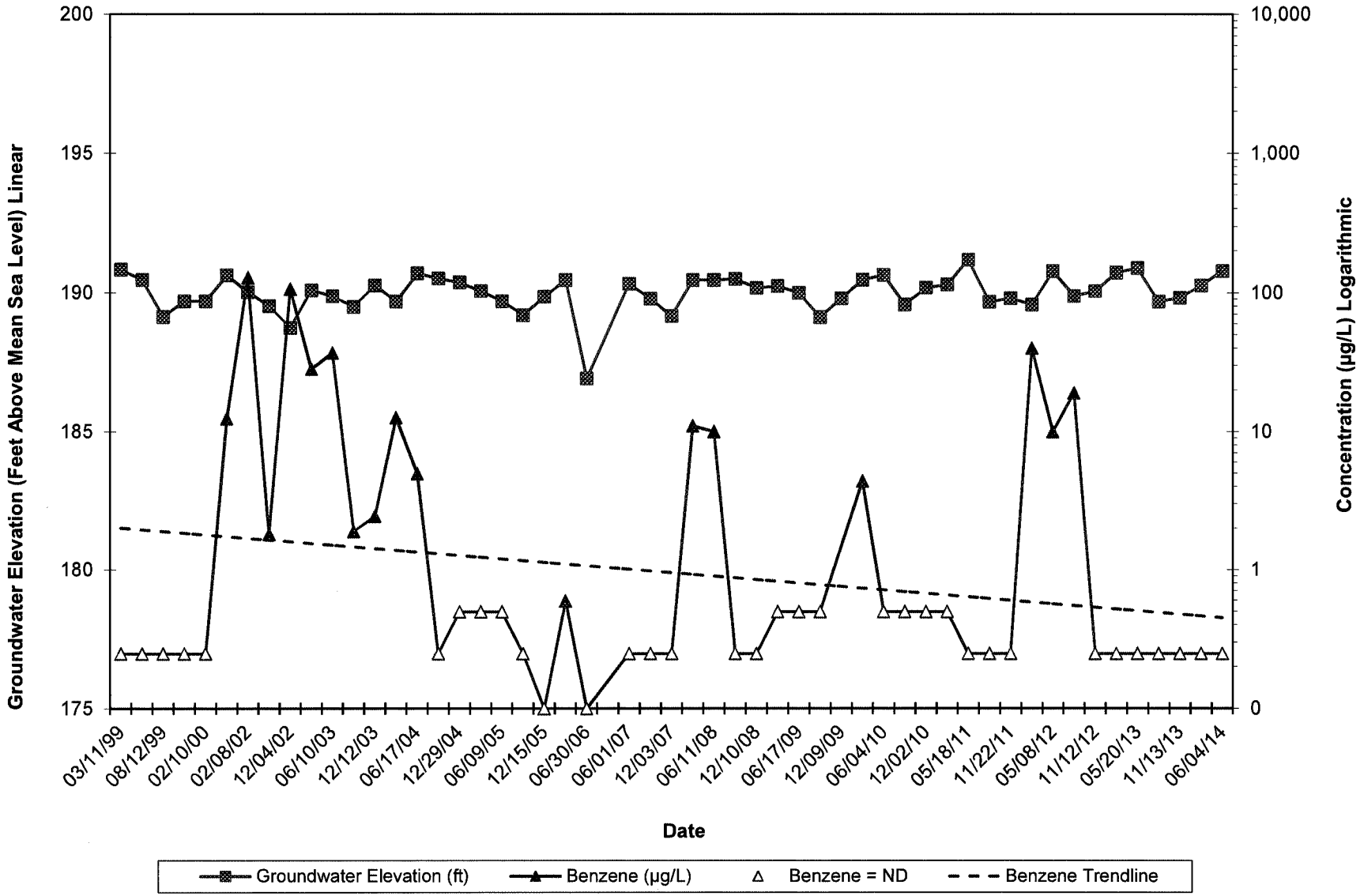
Measurement uncertainty values, as applicable, are available upon request.

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

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

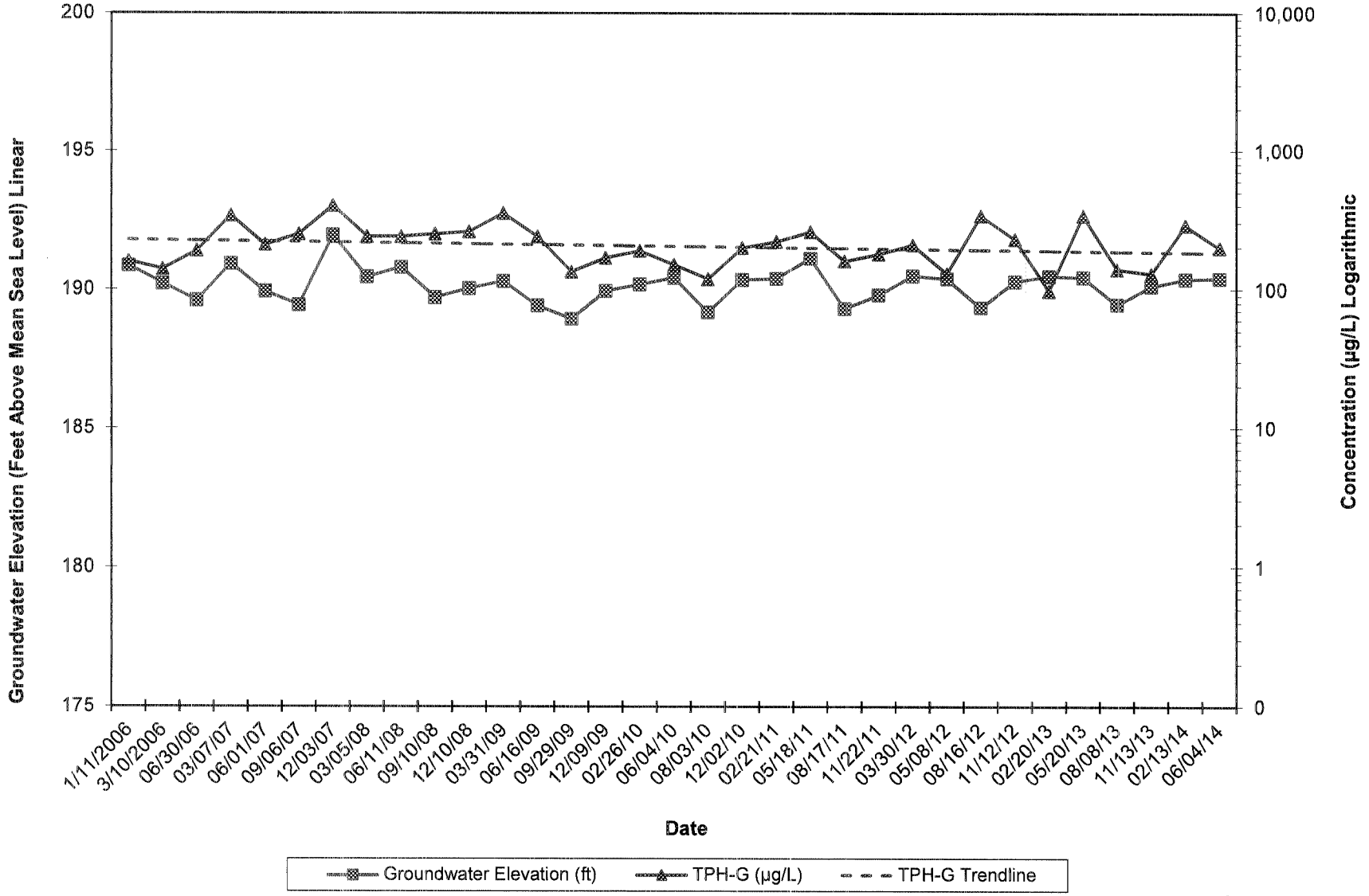
Attachment C:
Hydrographs

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



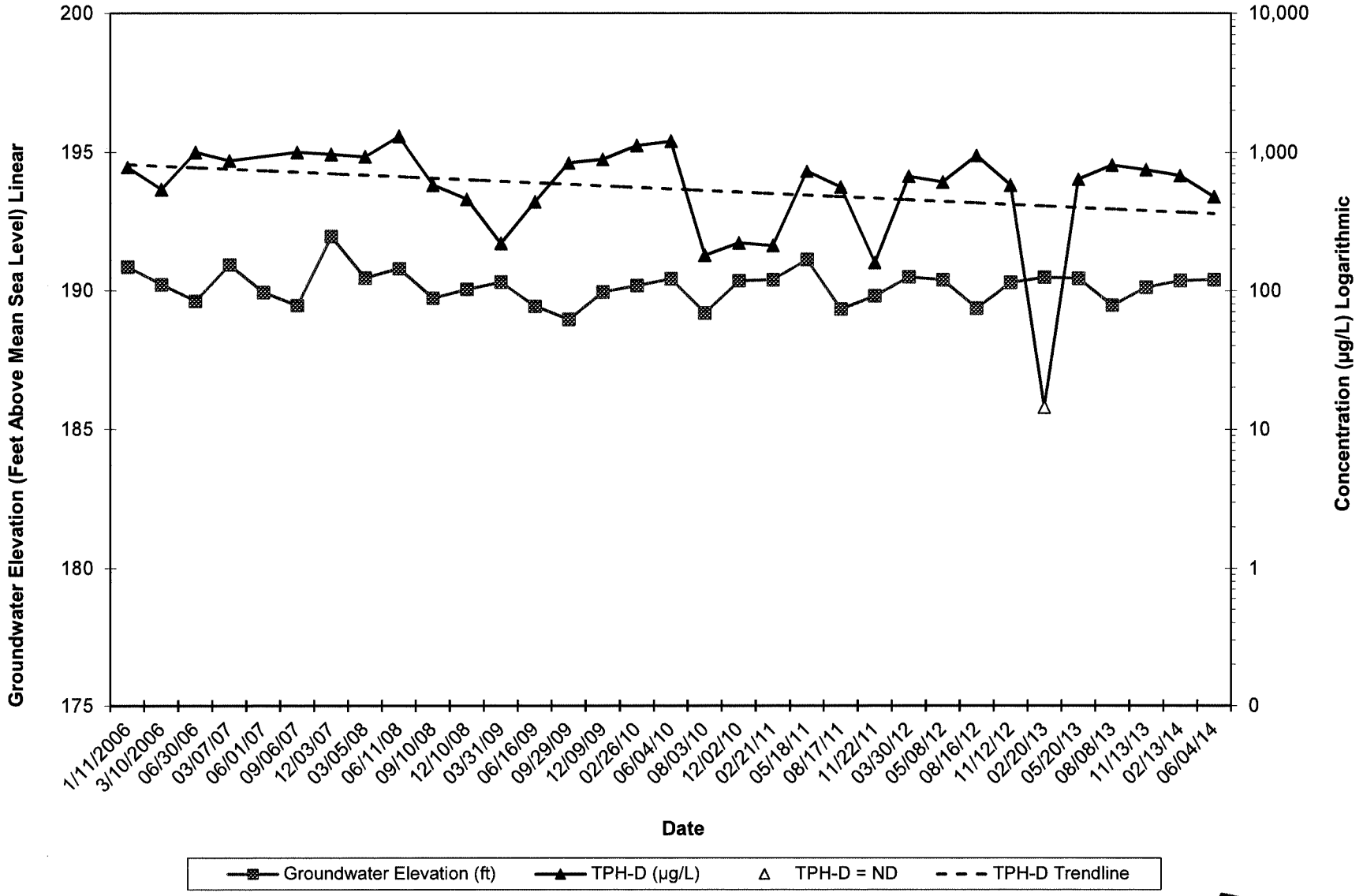
leidos

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



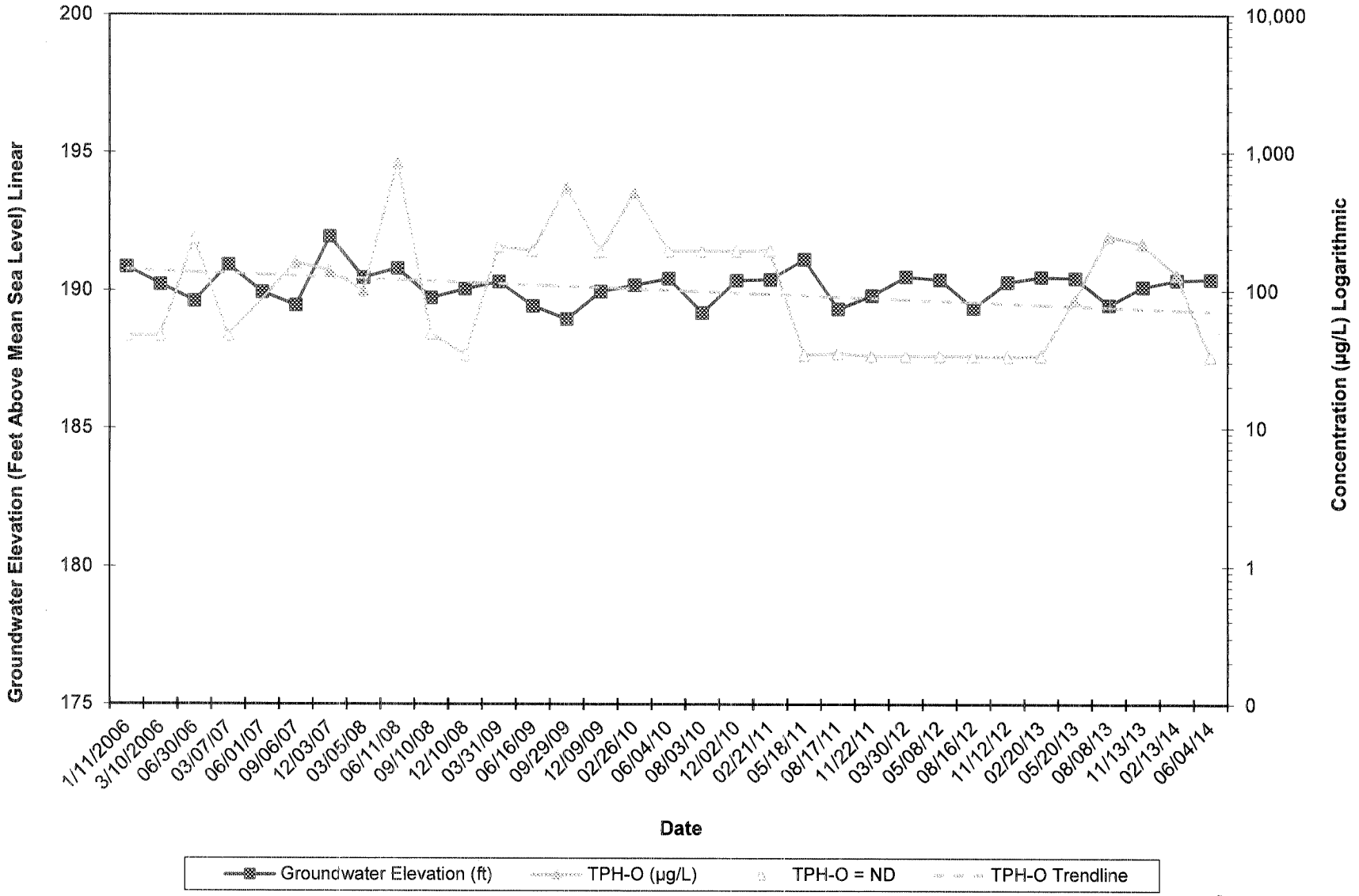
leidos

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



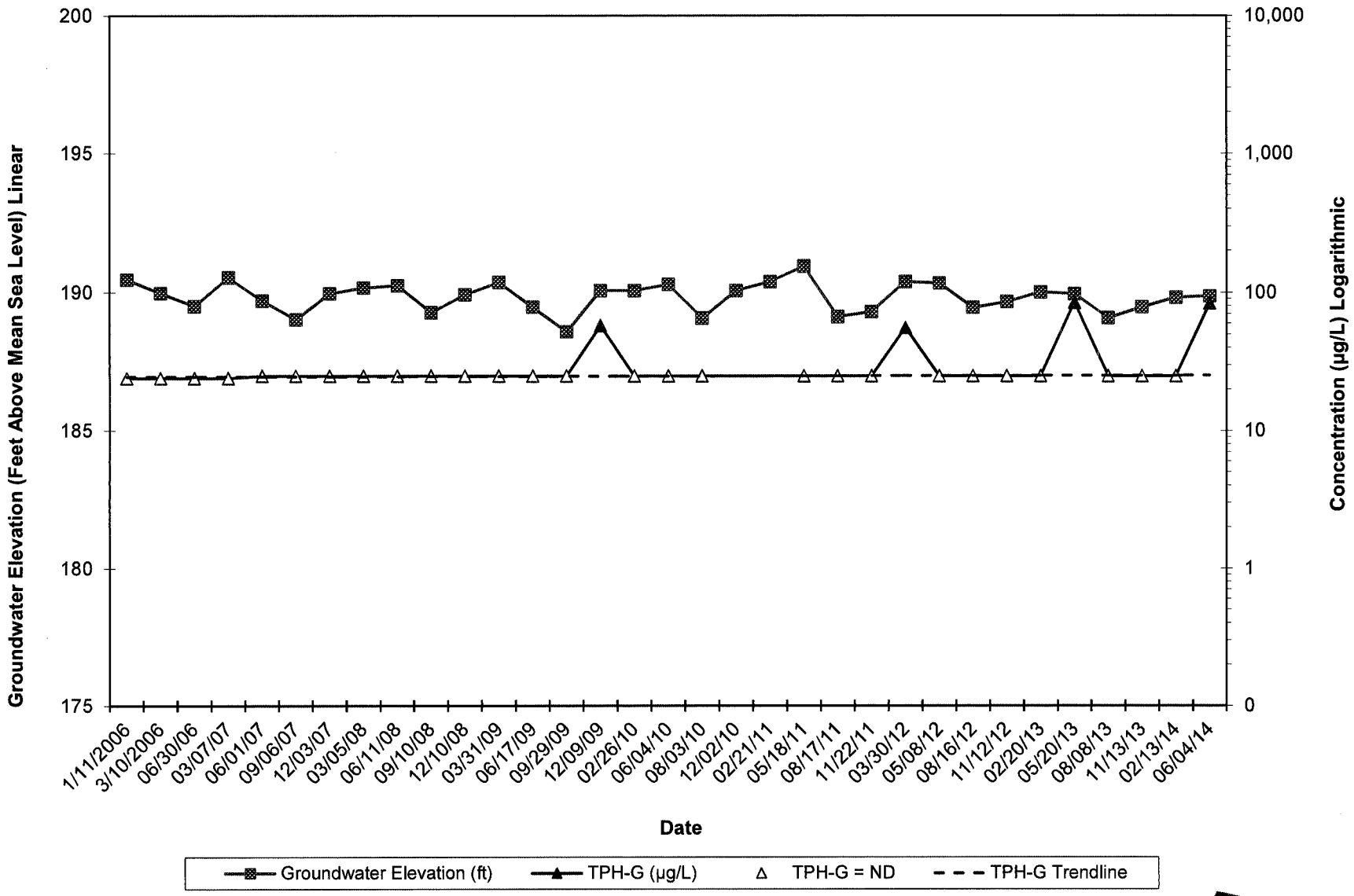
leidos

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



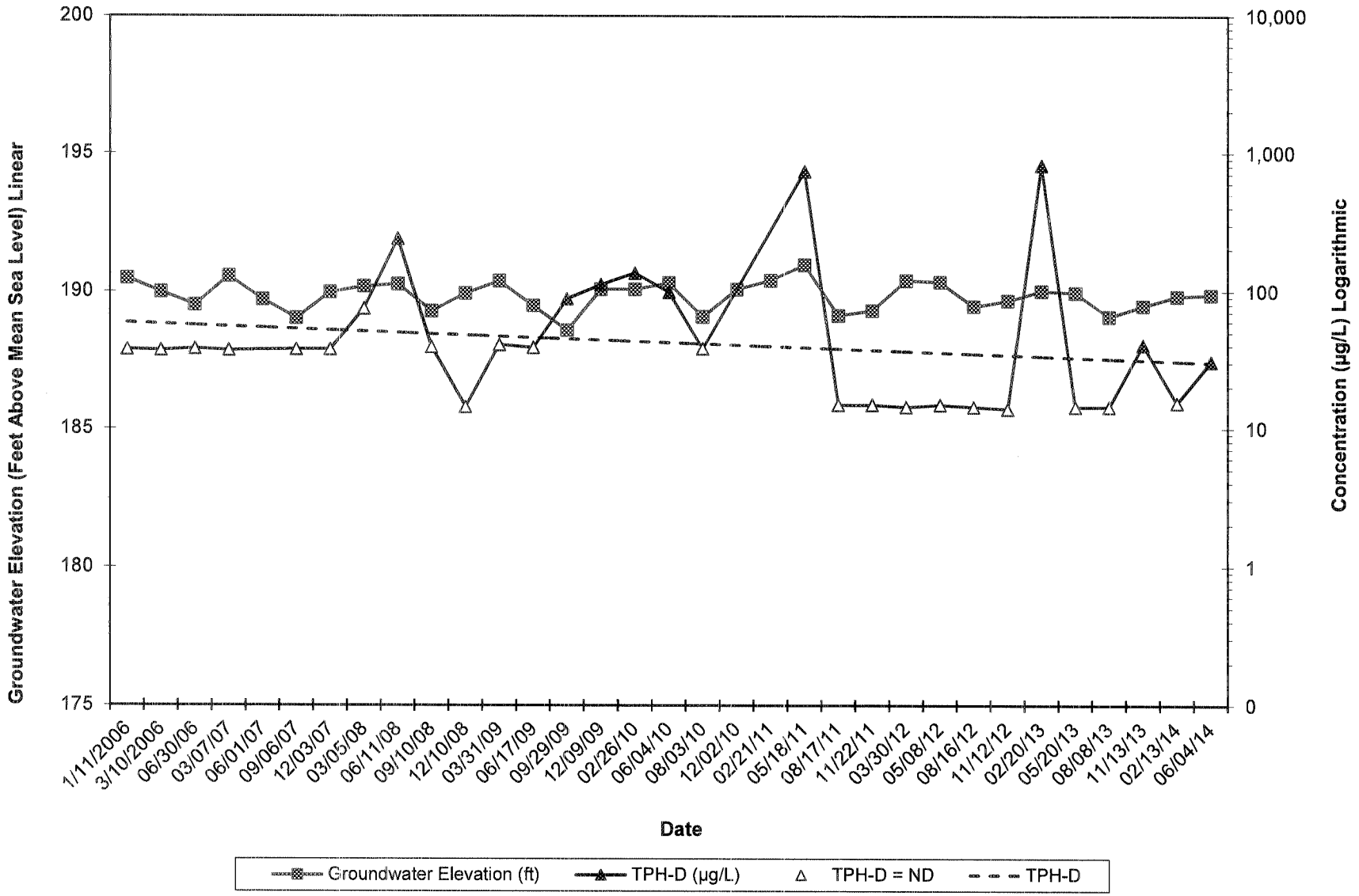
leidos

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



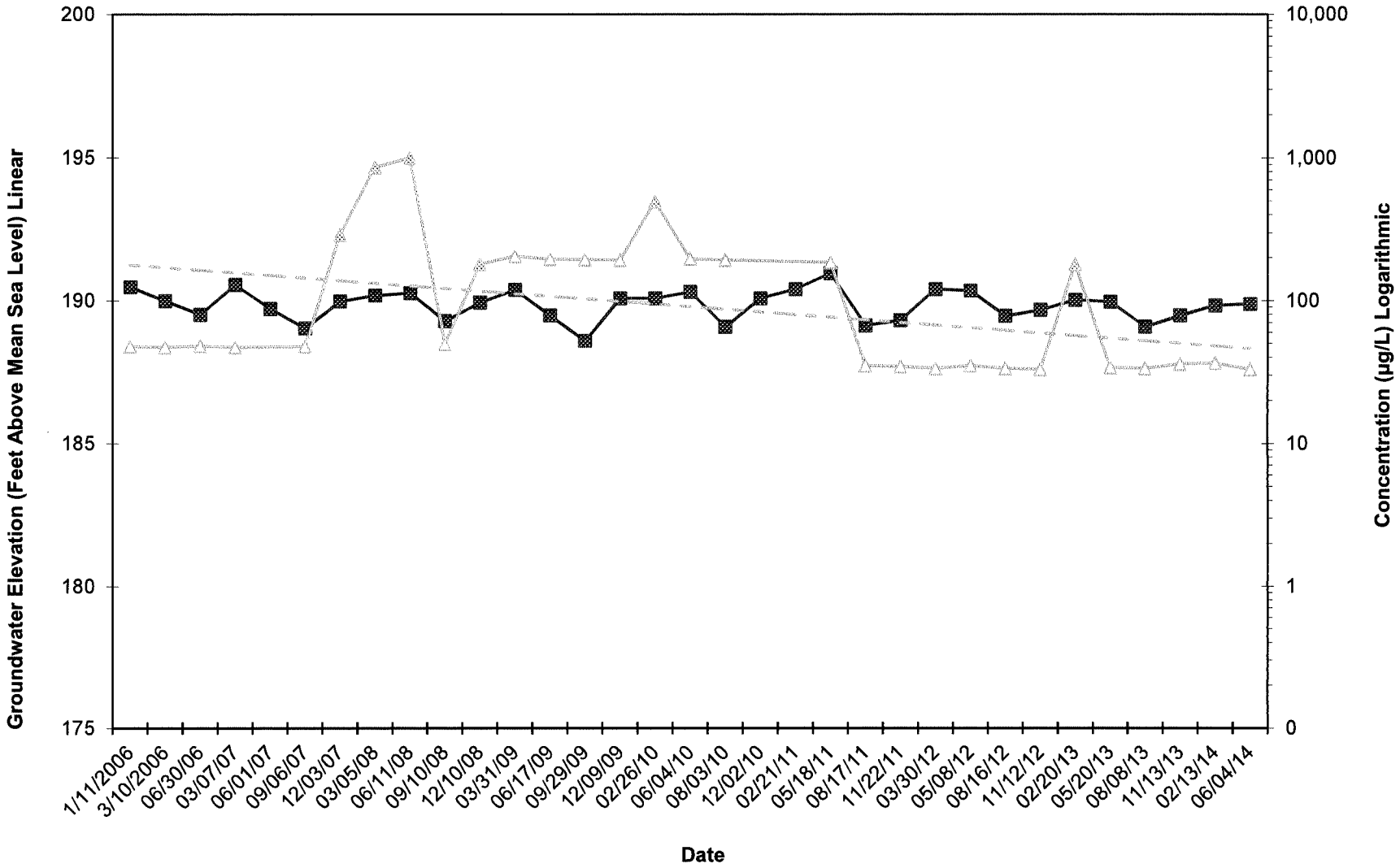
leidos

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



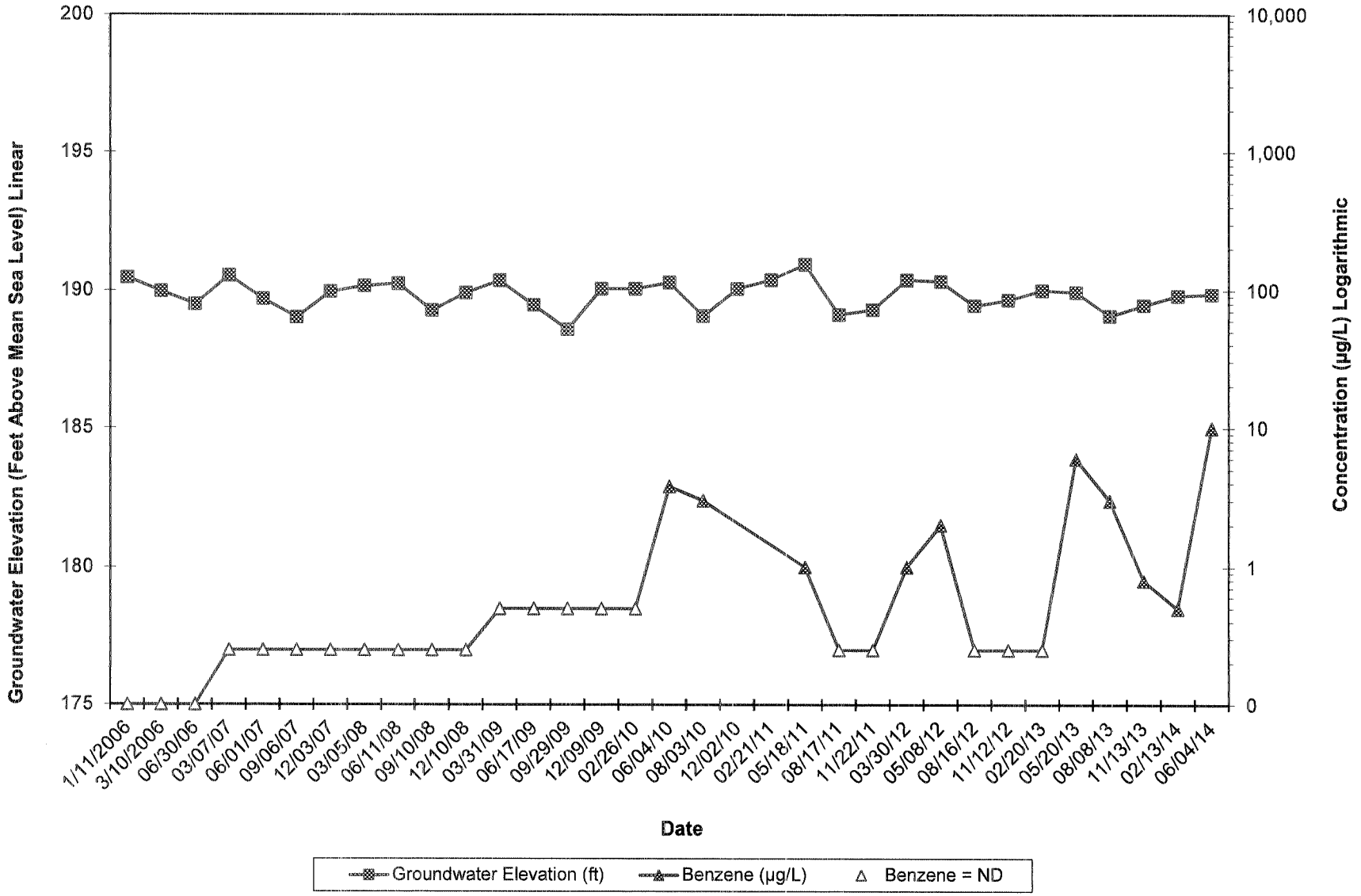
leidos

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



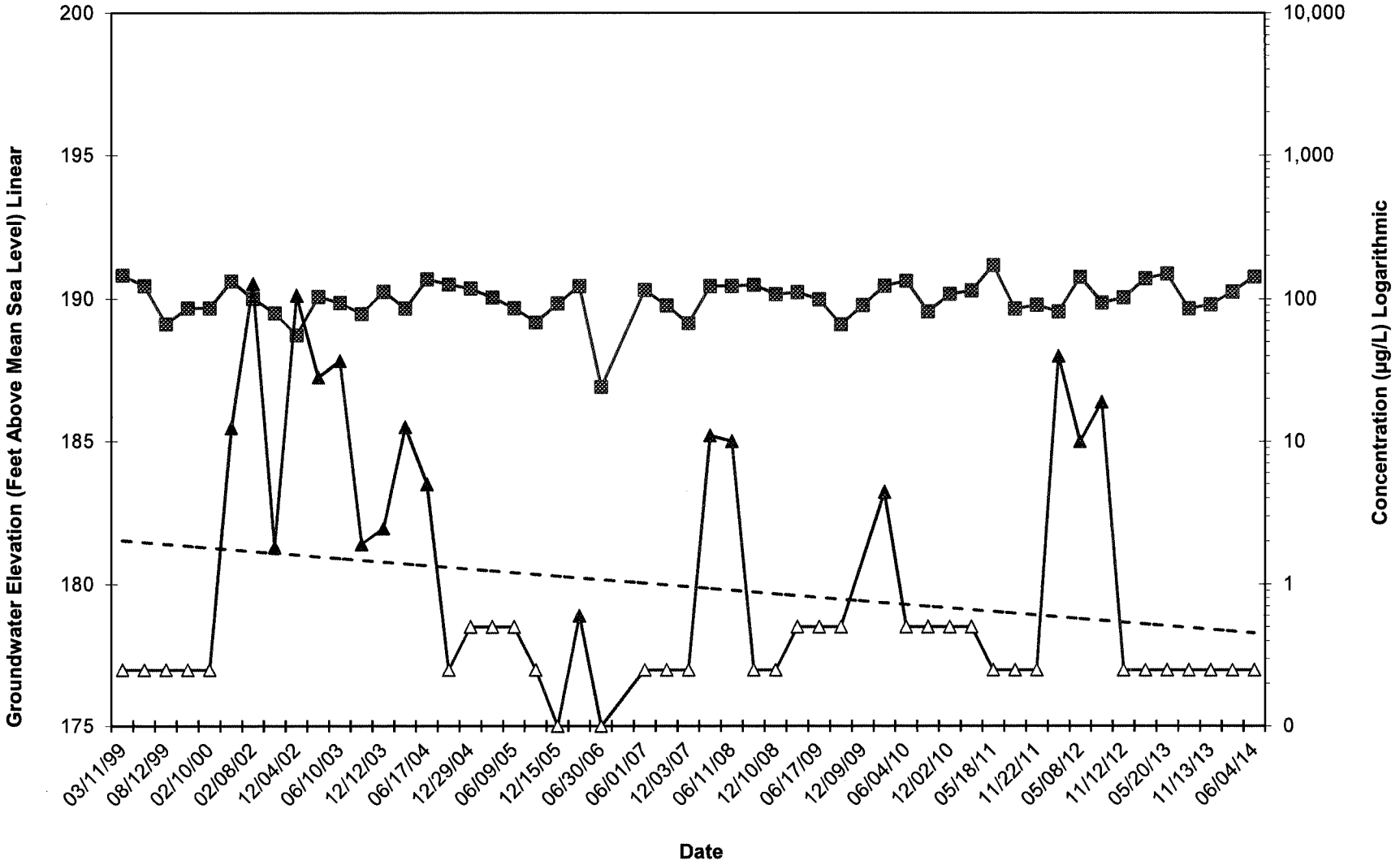
leidos

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



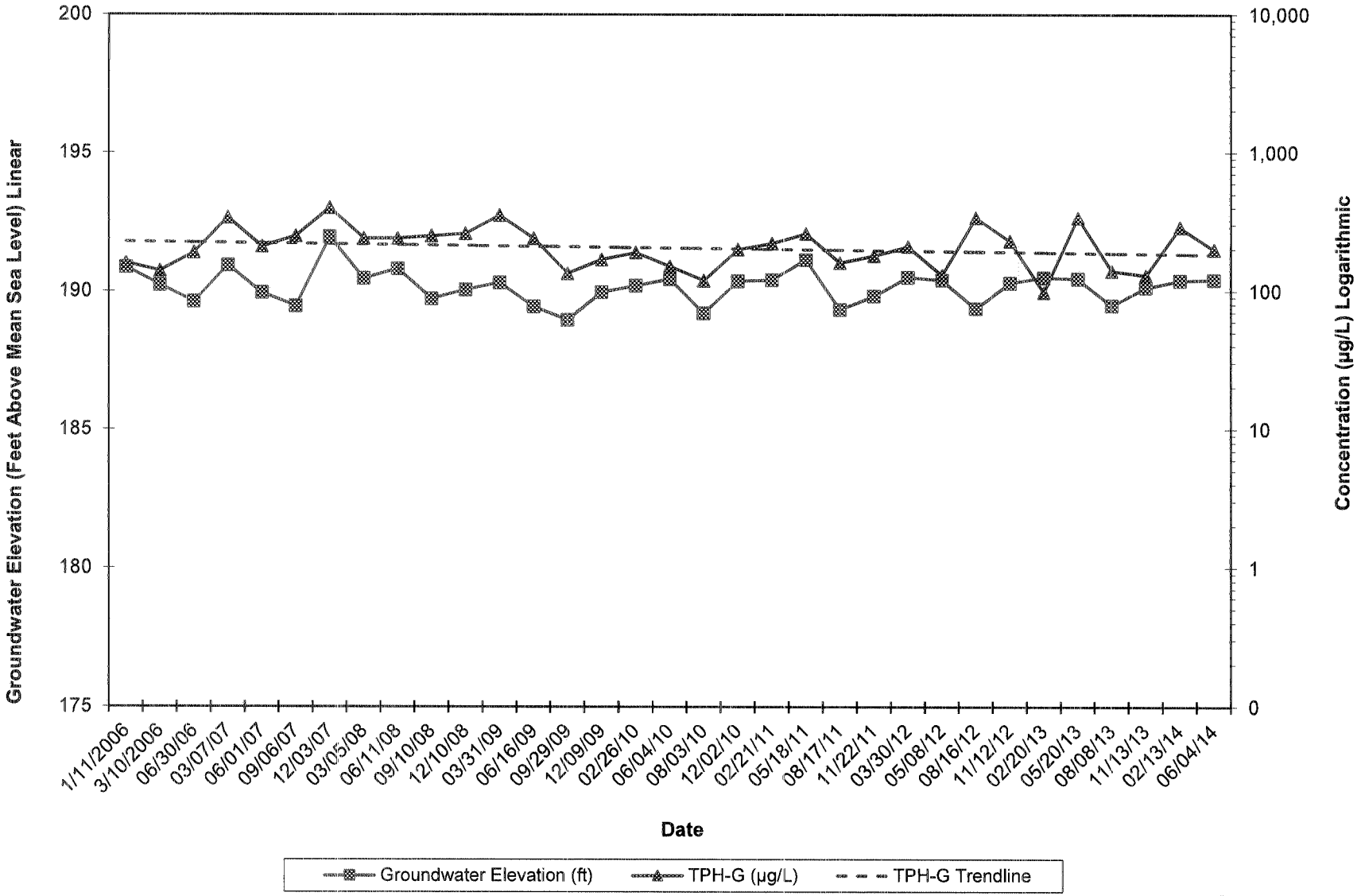
leidos

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



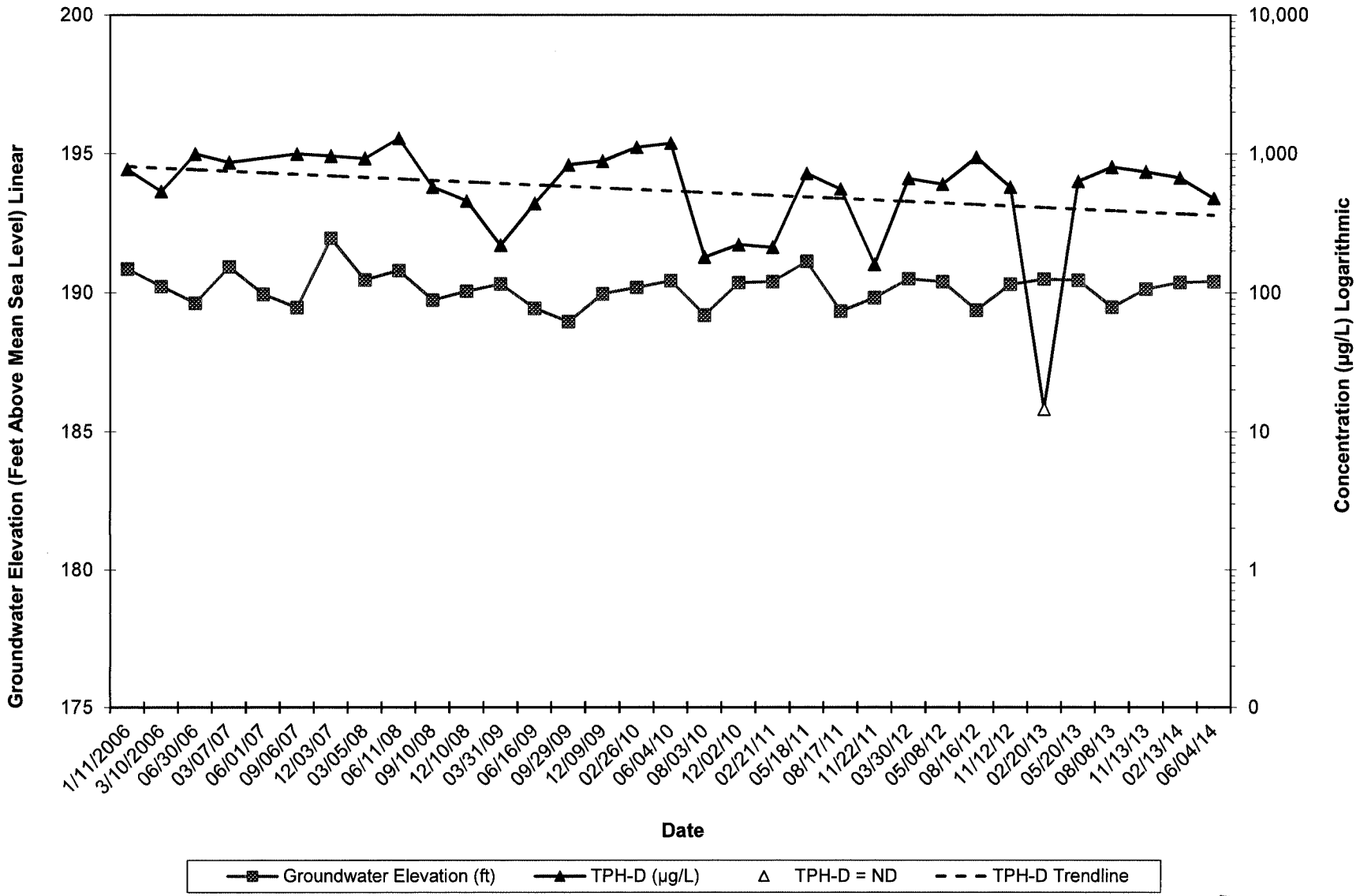
leidos

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



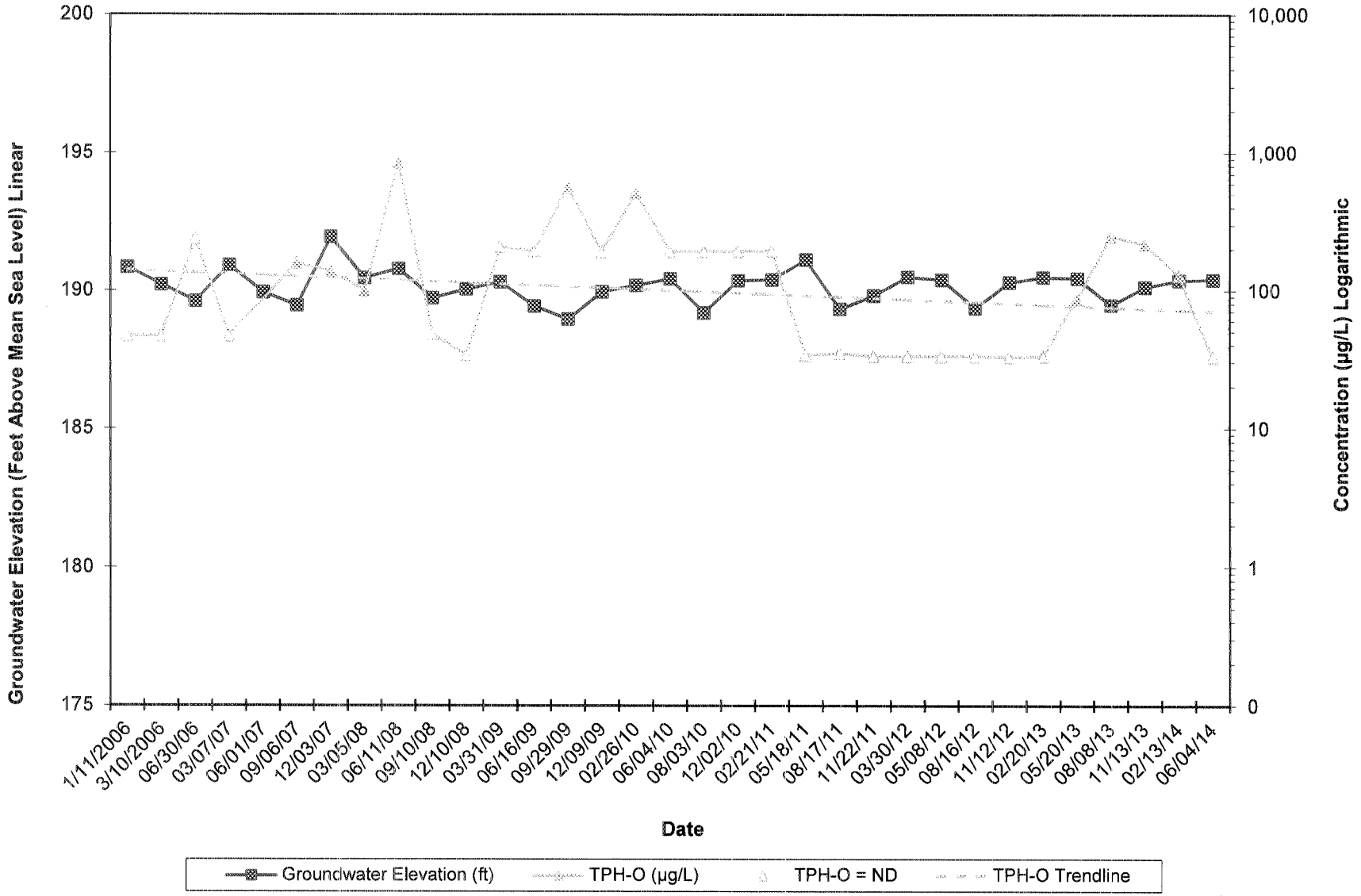
leidos

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



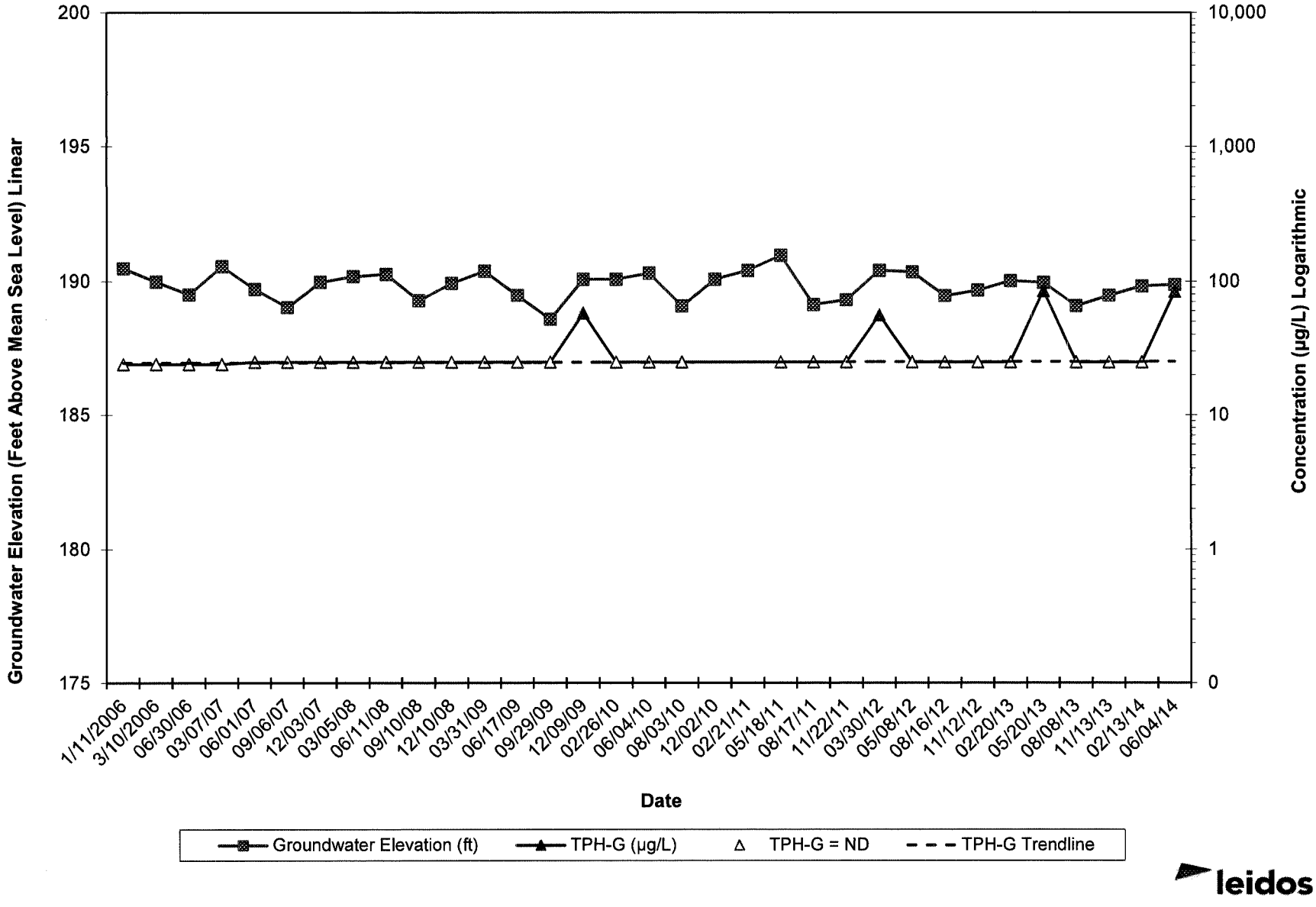
leidos

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



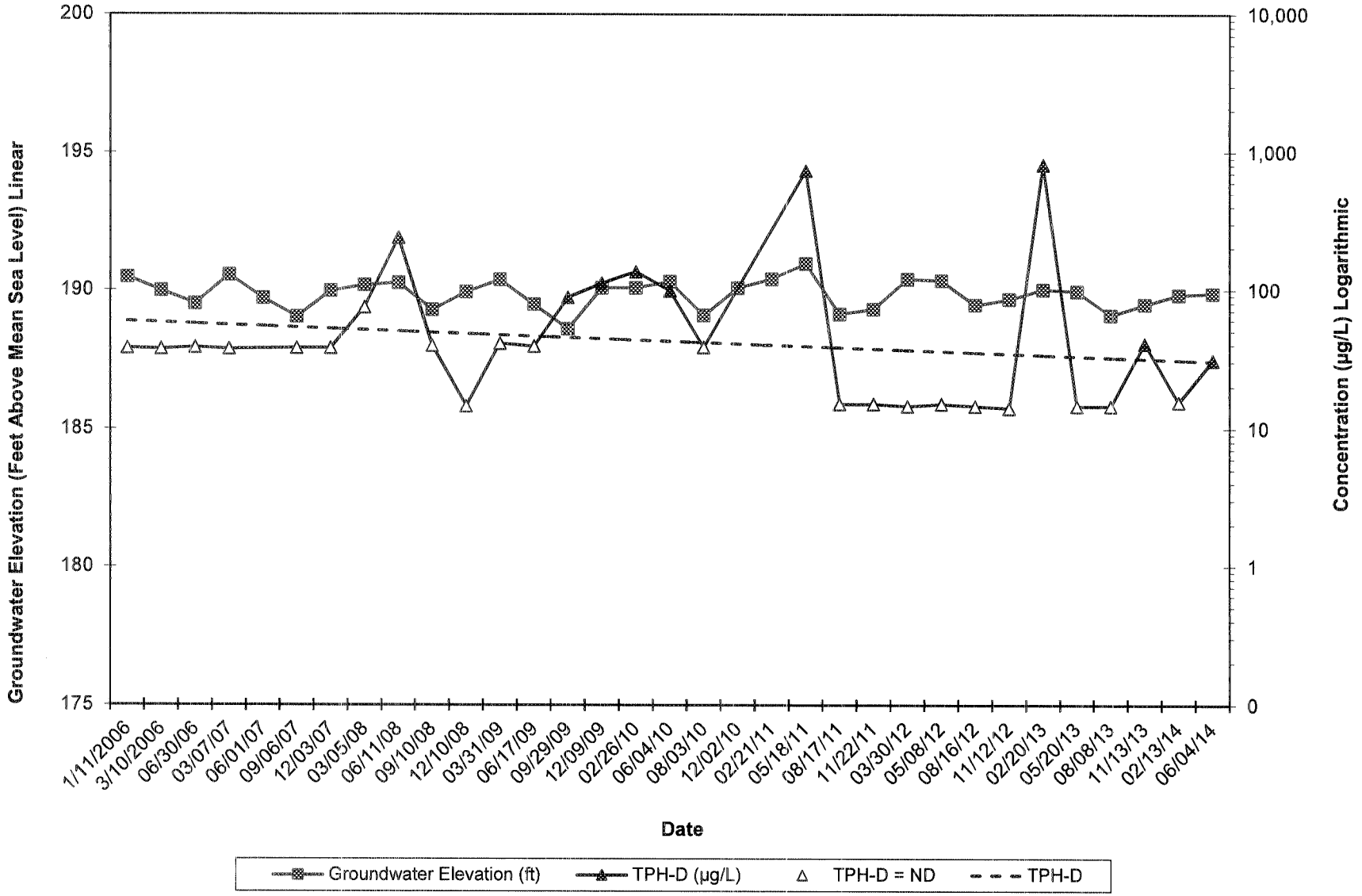
leidos

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



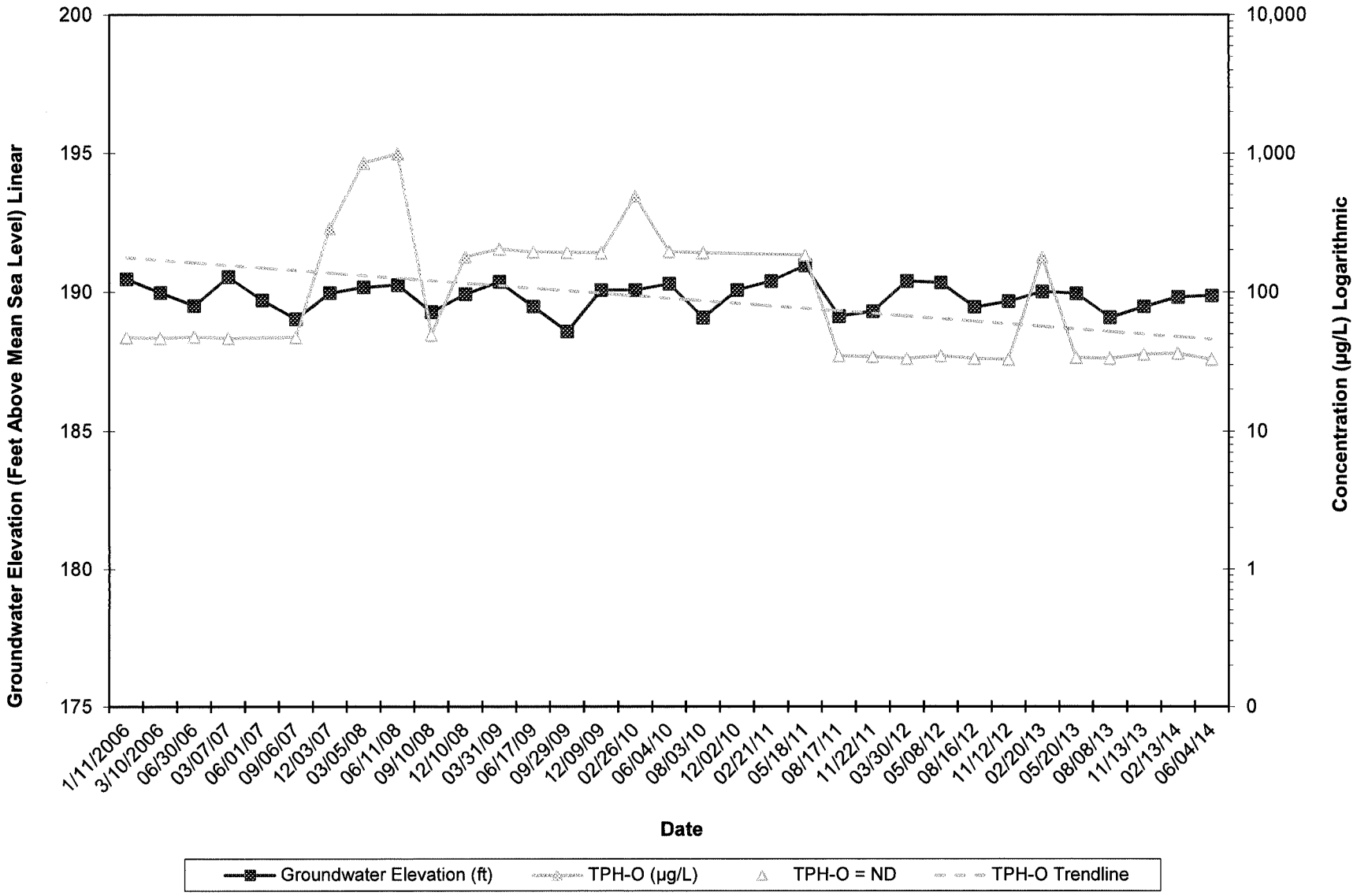
leidos

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



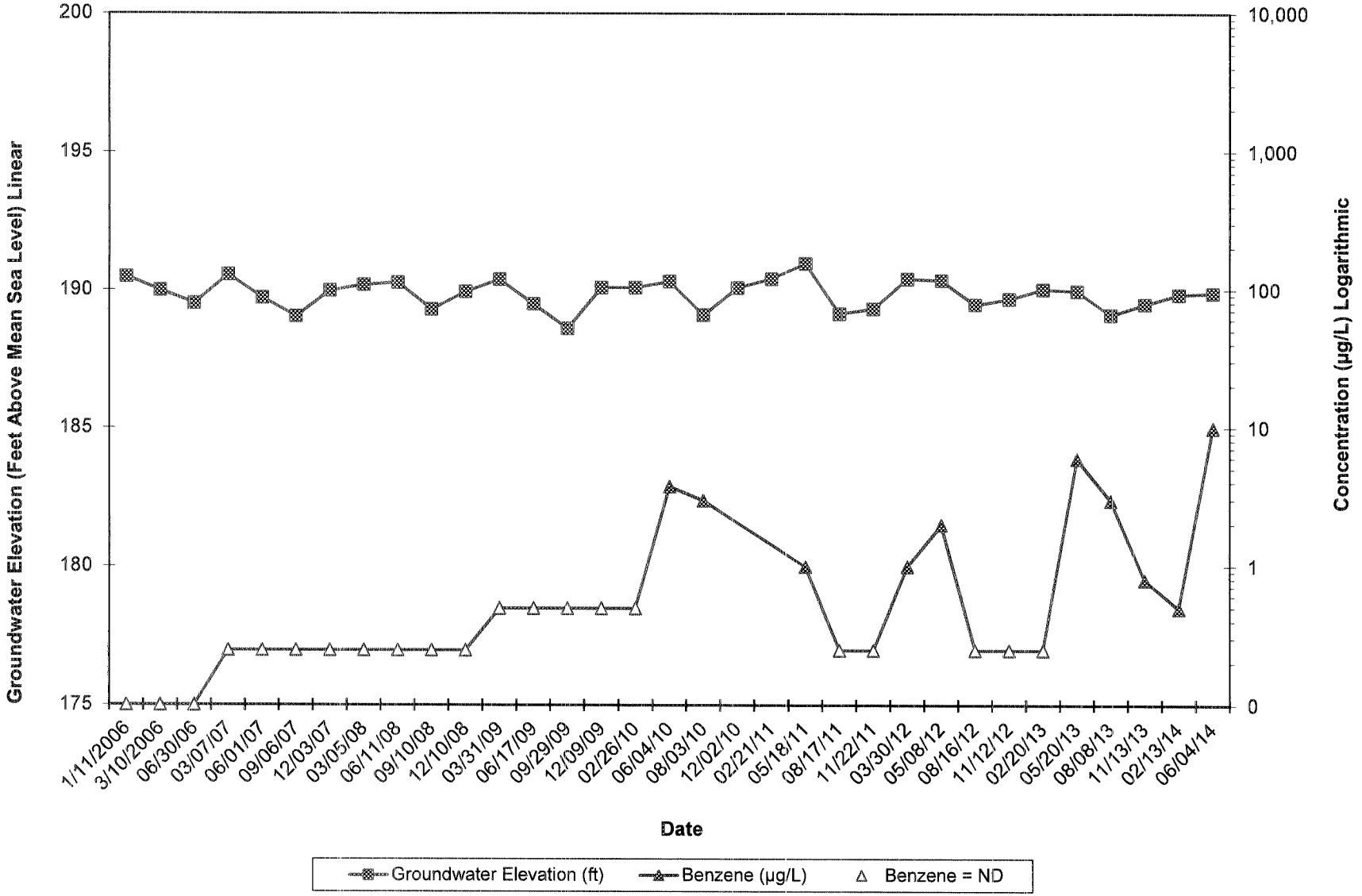
leidos

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



leidos

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



leidos