Starvin Sams Mini Mart Bellingham Wa 47125

leidos

December 19, 2014

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

Subject: **Third 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 September 14, 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 189.63 (MW-8) to 190.99 (MW-5) feet above mean sea level. Groundwater flow is to the northwest at a gradient of approximately 0.008 feet per foot; however, a southerly gradient exists in the southeast portion of the property with a gradient of approximately 0.06 feet per foot. A potentiometric map is shown on Figure 1.

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

Groundwater samples were submitted for the following analyses:

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

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

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

RESULTS

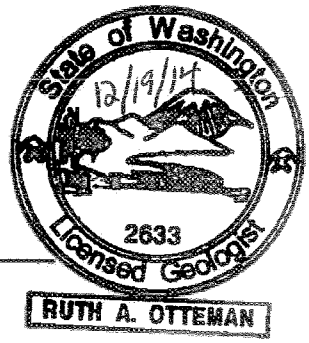
The results of the third quarter 2014 sampling event indicate that petroleum-hydrocarbon constituent concentrations are generally consistent with respect to historical data and trending downward. In addition, the groundwater elevation, flow direction, and gradient are consistent with historical measurements.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

- TPH-D was detected at a concentration in monitoring well MW-7 that exceeded the Model Toxics Control Act (MTCA) Method A cleanup level; and
- 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

Ruth Otteman, LG
Geologist

Enclosures:
Figure 1 – Potentiometric Map
Figure 2 – Site Plan with Groundwater Analytical Results
Table 1 – Groundwater Monitoring Data and Analytical Results
Attachment A – Groundwater Monitoring and Sampling Data Package
Attachment B – Laboratory Analysis Report
Attachment C – Hydrographs

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

REPORT LIMITATIONS

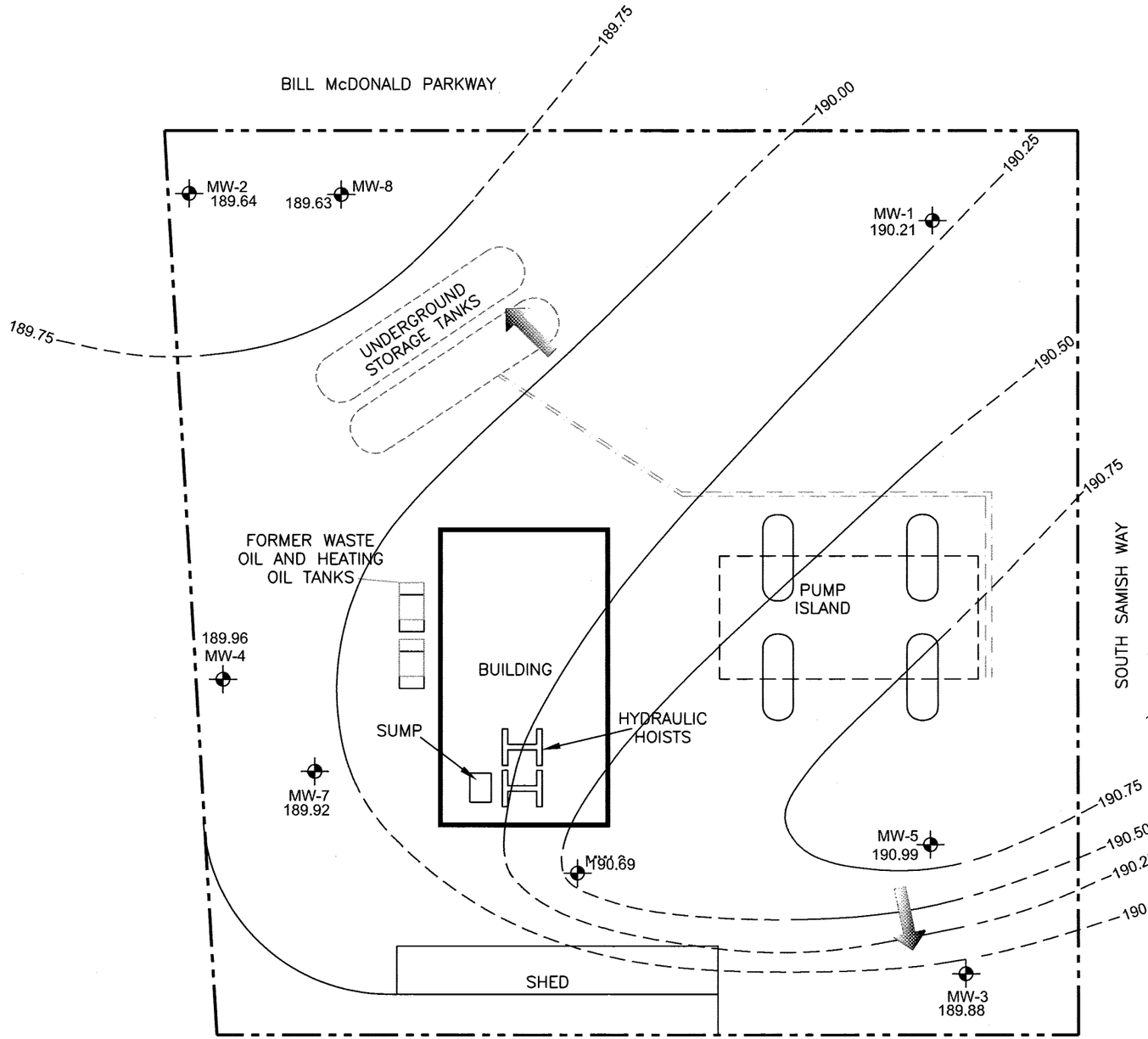
This technical document was prepared on behalf of CEMC and is intended for its sole use and for use by the local, state, or federal regulatory agency that the technical document was sent to by Leidos. Any other person or entity obtaining, using, or relying on this technical document hereby acknowledges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

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

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

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

All sources of information on which Leidos has relied in making its conclusions (including direct field observations) are identified by reference in this technical document or in appendices attached to this technical document. Any information not listed by reference or in appendices has not been evaluated or relied 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
190.21	GROUNDWATER ELEVATION IN FEET
190.50	GROUNDWATER ELEVATION CONTOUR AT A 0.25 INTERVAL (DASHED WHERE INFERRED)
	APPROXIMATE GROUNDWATER FLOW DIRECTION
	GROUNDWATER GRADIENT: NORTHWESTERLY COMPONENT=0.008 FT/FT SOUTHERLY COMPONENT=0.06 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
August 14, 2014

DATE: 12/18/2014 | DRAWING: 351448 Site Map.dwg

MW-8	11/13/13	2/13/14	6/4/14	8/14/14
TPH-G	<50	<50	84	59
TPH-D	41	<31	31	<29
TPH-O	<72	<73	<66	<67
B	0.8	0.5	**10**	3
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	11/13/13	2/13/14	6/4/14	8/14/14
TPH-G	<50	<50	<50	<50
TPH-D	<30	<32	<29	<28
TPH-O	<70	<74	<67	<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-4	11/13/13	2/13/14	6/4/14	8/14/14
TPH-G	<50	<50	<50	<50
TPH-D	<31	<32	<29	44
TPH-O	<73	<75	<67	<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

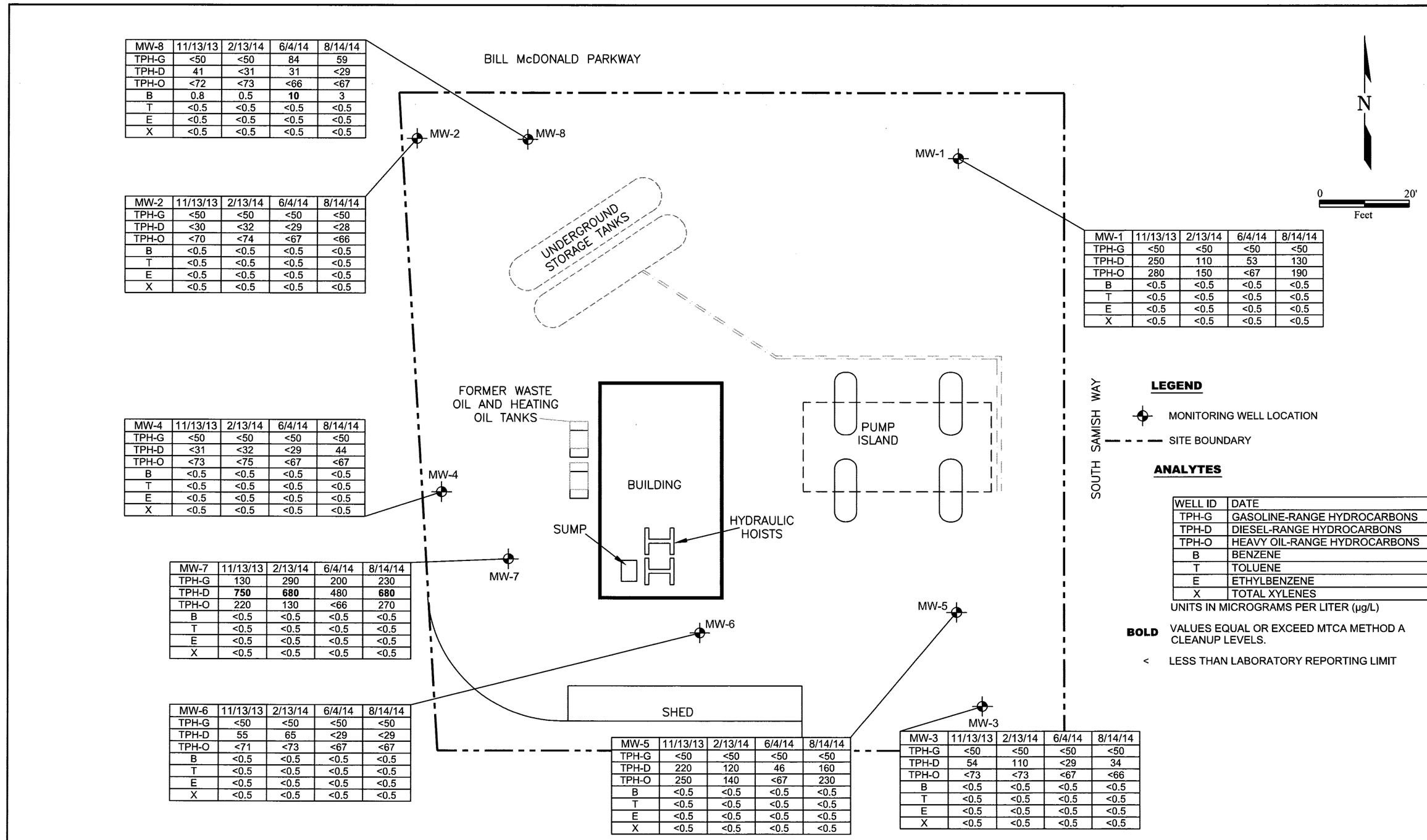
MW-7	11/13/13	2/13/14	6/4/14	8/14/14
TPH-G	130	290	200	230
TPH-D	**750**	**680**	480	**680**
TPH-O	220	130	<66	270
B	<0.5	<0.5	<0.5	<0.5
T	<0.5	<0.5	<0.5	<0.5
E	<0.5	<0.5	<0.5	<0.5
X	<0.5	<0.5	<0.5	<0.5

MW-6	11/13/13	2/13/14	6/4/14	8/14/14
TPH-G	<50	<50	<50	<50
TPH-D	55	65	<29	<29
TPH-O	<71	<73	<67	<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	11/13/13	2/13/14	6/4/14	8/14/14
TPH-G	<50	<50	<50	<50
TPH-D	250	110	53	130
TPH-O	280	150	<67	190
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	11/13/13	2/13/14	6/4/14	8/14/14
TPH-G	<50	<50	<50	<50
TPH-D	220	120	46	160
TPH-O	250	140	<67	230
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	11/13/13	2/13/14	6/4/14	8/14/14
TPH-G	<50	<50	<50	<50
TPH-D	54	110	<29	34
TPH-O	<73	<73	<67	<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



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 (August 14, 2014)

DATE: 9/2/2014 | 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-4	12/10/08	Removed from sampling event this quarter.															
(cont.)	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	--
196.77	09/29/09	7.71	--	189.06	<50	256	<396	<1.0	<1.0	<1.0	<3.0	<1.0	--	--	--	--	--
	12/09/09	6.53	--	190.24	<50	142	<385	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
	02/26/10	6.39	--	190.38	<50	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
	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
	08/14/14	6.81	--	189.96	<50	44	<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

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	08/16/12	4.52	--	190.48	<50	<28	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
(cont.)	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
	08/08/13	4.66	--	190.34	<50	46	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	11/13/13	4.30	--	190.70	<50	220	250	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<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
	08/14/14	4.01	--	190.99	<50	160	230	<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
	08/14/14	5.83	--	190.69	<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	--	--	--	--	--

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	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

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	08/16/12	5.91	--	189.88	<50	30	<66	**19**	0.7	<0.5	<0.5	--	--	--	--	--	<50
(cont.)	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
	08/14/14	5.58	--	190.21	<50	130	190	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
MW-2	03/11/99	7.93	--	92.81	<50	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	--	--	**162**	--	--
100.74	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	--	--	--	--	--	--

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	05/18/11	7.30	--	190.73	<50	<30	<70	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
(cont.)	08/17/11	8.80	--	189.23	<50	<31	<72	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	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
	08/14/14	8.39	--	189.64	<50	<28	<66	<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.												

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	02/26/10	5.02	--	190.17	Not part of the sampling schedule this reporting period.												
(cont.)	06/04/10	4.91	--	190.28	<50	111	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
	08/03/10	5.71	--	189.48	<50	<76.9	<385	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
	12/02/10	4.83	--	190.36	<50	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
	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
	08/14/14	5.31	--	189.88	<50	34	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
MW-4	03/11/99	6.39	--	93.05	<50	<250	<750[e]	<0.500	<0.500	<0.500	<1.00	--	--	--	**29.0**	--	--
99.44	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	--	--	--	--	--

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	12/03/07	4.97	--	94.67	400	**970**	140	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--
(cont.)	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	--	--	--	--	--	--
	03/31/09	6.62	--	93.02	352	220	<420	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--
	06/16/09	7.49	--	92.15	240	440	<390	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<0.010	<1.0	<1.0	--
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
	08/14/14	7.01	--	189.92	230	**680**	270	<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.												

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-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
	08/14/14	7.85	--	189.63	59	<29	<67	3	<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 # 140814-LB1 Date 5/14/14 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	0736	2					5.58	22.68		
MW-2	0748	2					8.39	20.60		
MW-3	0726	2					5.31	20.88		
MW-4	0754	2					6.81	20.28		
MW-5	0730	2					4.01	13.45		
MW-6	0720	2					5.83	13.75		
MW-7	0800	2					7.01	17.99		
MW-8	0742	2					7.85	17.46	↓	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 140814-LB1	Client: CHEVRON
Sampler: LB	Gauging Date: 8/14/14
Well I.D.: MW-1	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 22.68	Depth to Water (ft.): 5.58
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: 0951 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.)
0954	17.27	6.31	737	18	1.21	47.8	600	5.61
0957	17.24	6.30	740	15	1.16	45.9	1200	5.61
1000	17.18	6.29	741	13	1.15	44.0	1800	5.61
1003	17.19	6.28	742	12	1.14	43.4	2400	5.61
1006	17.20	6.29	743	11	1.13	42.5	3000	5.61

Did well dewater? Yes (No)	Amount actually evacuated: 3L
Sampling Time: 1007	Sampling Date: 8/14/14
Sample I.D.: MW-1	Laboratory: LANCASTER
Analyzed for: (TPHG) (BTEX) MTBE (TPH-D)	Other: SEE COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 140814-LB1	Client: CHEVRON
Sampler: LB	Gauging Date: 8/14/14
Well I.D.: MW-2	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 20.60	Depth to Water (ft.): 8.39
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: 1056 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.)
1059	17.47	6.60	440	16	1.78	68.4	600	8.44
1102	17.32	6.54	442	14	1.70	61.2	1200	8.44
1105	17.33	6.53	440	13	1.65	60.4	1800	8.44
1108	17.32	6.52	441	12	1.64	59.2	2400	8.44
1111	17.31	6.51	442	11	1.63	58.6	3000	8.44

Did well dewater? Yes (No)	Amount actually evacuated: 3L
Sampling Time: 1112	Sampling Date: 8/14/14
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 #: 140814-LB1	Client: CHEVRON
Sampler: LB	Gauging Date: 8/14/14
Well I.D.: MW-3	Well Diameter (in.): ~~2~~ 3 4 6 8 ____
Total Well Depth (ft.): 20.88	Depth to Water (ft.): 5.31
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: 0840 Flow Rate: 200 mL/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.)
0843	15.56	6.58	~~876~~	19	1.61	33.5	600	5.35
0846	15.37	6.58	675	15	1.54	31.2	1200	5.35
0849	15.35	6.57	674	14	1.53	30.9	1800	5.35
0852	15.34	6.56	675	13	1.52	29.4	2400	5.35
0855	15.32	6.55	676	12	1.51	28.6	3000	5.35

Did well dewater? Yes ~~No~~	Amount actually evacuated: 3L
Sampling Time: 0856	Sampling Date: 8/14/14
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 #: 140814-LB1	Client: CHEVRON
Sampler: LB	Gauging Date: 8/14/14
Well I.D.: MW-4	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 20.28	Depth to Water (ft.): 6.81
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Other ___

Start Purge Time: 1126 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.)
1129	15.66	6.27	525	18	1.19	77.1	600	6.86
1132	15.64	6.28	526	17	1.18	71.4	1200	6.86
1135	15.61	6.29	528	16	1.17	70.6	1800	6.86
1138	15.59	6.31	529	15	1.16	69.2	2400	6.86
1141	15.58	6.32	530	14	1.15	68.3	3000	6.86

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

Sampling Time: 1142 Sampling Date: 8/14/14

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 #: 140814-LB1	Client: CHEVRON
Sampler: LB	Gauging Date: 8/14/14
Well I.D.: MW-5	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 13.45	Depth to Water (ft.): 4.01
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: 0920 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.)
0923	18.50	6.44	751	18	1.29	28.4	600	4.08
0926	18.67	6.45	745	16	1.20	27.3	1200	4.08
0929	18.69	6.46	744	15	1.18	26.1	1800	4.08
0932	18.70	6.47	743	14	1.17	25.4	2400	4.08
0935	18.71	6.48	742	13	1.16	24.3	3000	4.08

Did well dewater? Yes (NO)	Amount actually evacuated: 3L
Sampling Time: 0936	Sampling Date: 8/14/14
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 #: 140814-LB1	Client: CHEVRON
Sampler: LB	Gauging Date: 8/14/14
Well I.D.: MW-6	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 13.75	Depth to Water (ft.): 5.83
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: 0806 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.)
0809	17.62	6.32	841	12	1.95	42.1	600	5.88
0812	17.56	6.40	842	11	1.89	40.6	1200	5.88
0815	17.53	6.41	843	11	1.86	39.4	1800	5.88
0818	17.52	6.42	844	10	1.85	38.6	2400	5.88
0821	17.51	6.43	846	9	1.84	37.4	3000	5.88

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

Sampling Time: 0822 Sampling Date: 8/14/14

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 #: 140814-LB1	Client: CHEVRON
Sampler: LB	Gauging Date: 8/14/14
Well I.D.: MW-7	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 17.99	Depth to Water (ft.): 7.01
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: 1156 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.)
1159	17.68	6.53	553	19	1.03	14.6	600	7.07
1202	17.73	6.54	554	17	1.01	10.5	1200	7.07
1205	17.74	6.55	556	16	1.00	9.4	1800	7.07
1208	17.75	6.56	557	15	0.99	8.2	2400	7.07
1211	17.76	6.57	558	14	0.98	7.6	3000	7.07

Did well dewater? Yes (No)	Amount actually evacuated: 3L
Sampling Time: 1212	Sampling Date: 8/14/14
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 #: 140814-LB1	Client: CHEVRON
Sampler: LB	Gauging Date: 8/14/14
Well I.D.: MW-8	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 17.46	Depth to Water (ft.): 7.85
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: 1022 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.)
1025	19.02	6.59	836	19	1.54	34.2	600	7.89
1028	19.11	6.64	840	16	1.53	25.1	1200	7.89
1031	19.09	6.65	842	15	1.52	24.6	1800	7.89
1034	19.08	6.64	843	14	1.51	23.2	2400	7.89
1037	19.06	6.62	844	13	1.50	22.6	3000	7.89

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

Sampling Time: 1038 Sampling Date: 8/14/14

Sample I.D.: MW-8 Laboratory: LANCASTER

Analyzed for: (TPH-G) BTEX MTBE (TPH-D) Other: SEE 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. 140814-LB1

Sampling Company: Blaine Tech Services

Sampled By (Print): Lee Burks

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

Analyses (preservation H marked for 8260B, TPH-G and TPH-D/TPH-O 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☐
5. PAH's☐ cPAH's☐ 8270 SIM
6. TPH-G (NWTPH-Gx)
7. ALKALINITY 2320 ☐
8. DISSOLVED LEAD (6020)
9. TPH-D AND TPH-O BY (NWTPH-Dx)
10. RBDM VOCS (OREGON RISK BASED DECISION MAKING LIST)
11. SULFATE 300 ☐ NITRATE 300 ☐ FERROUS IRON SM20 3500 ☐

Special Instructions

Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	# of Containers	Container Type	TPH-DRO	TPH-ORO	TPH-HRO	8260B	PAH's	TPH-G	Alkalinity	Dissolved Lead	TPH-D and TPH-O	RBDM VOCs	Sulfate/Nitrate/Ferrous Iron	Notes/Comments
MW-1	GW	—	140814	1007	8	VOA, AMBER				X		X			X			
MW-2	GW	—	140814	1112	8	↓				X		X			X			
MW-3	GW	—	140814	0856	8	↓				X		X			X			
MW-4	GW	—	140814	1142	8	↓				X		X			X			
MW-5	GW	—	140814	0936	8	↓				X		X			X			
MW-6	GW	—	140814	0822	8	↓				X		X			X			
MW-7	GW	—	140814	1212	8	↓				X		X			X			
MW-8	GW	—	140814	1038	8	↓				X		X			X			
QA	GW	—	140814	0800	3	VOA				X		X						

Relinquished By	Company	Date/Time:	Relinquished To	Company	Date/Time
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: 8/14/14

Job #: 140814-LB1 Technician: L. BURES 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					1/3	3/3									
MW-4						2/3									
MW-5						2/3									
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 Ingles — 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 3.0

any other adjustments

TOTAL GALS. RECOVERED 11.0

loaded onto BTS vehicle # 90

BTS event # 140814-LB1 — time 1245 — date 8/14/14

signature

Blaine Tech Services, Inc.

Permit To Work

for Chevron EMC Sites

Client: Chevron Date 8/14/14

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

Job Number: 140814-LB1 Technician(s): L. Burns

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) 8/8/14 (Date) 1219 (Time)

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME 200 S. 36TH ST BELLINGHAM				PROJECT NUMBER 140814-LB1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI 556	SEA #2	8/14/14 0515	PH 4.0 7.0 10.0	4.04 7.06 9.94	———	30.4	LB
			COND 3900	3918	3899 ✓	29.8	LB
			ORP 224.5	218.6	224.6 ✓	29.9	LB
			DO 100%	84.7%	100.2% ✓	—	LB

Attachment B:
Laboratory Analysis Report

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

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

August 27, 2014

Project: 351448

Submittal Date: 08/16/2014
Group Number: 1496592
PO Number: 0015148067
Release Number: INGLIS
State of Sample Origin: WA

Client Sample Description	Lancaster Labs (LL) #
MW-1 NA Groundwater	7567858
MW-2 NA Groundwater	7567859
MW-3 NA Groundwater	7567860
MW-4 NA Groundwater	7567861
MW-5 NA Groundwater	7567862
MW-6 NA Groundwater	7567863
MW-7 NA Groundwater	7567864
MW-8 NA Groundwater	7567865
QA NA Water	7567866

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: Ron Santos
ELECTRONIC COPY TO	Leidos	Attn: Kinga Kozlowska

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 7567858
LL Group # 1496592
Account # 11255

Project Name: 351448

Collected: 08/14/2014 10:07 by LB

Submitted: 08/16/2014 09:30
Reported: 08/27/2014 13:23

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.	130	29	1
08271	Heavy Range Organics C24-C40	n.a.	190	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	F142322AA	08/20/2014 11:29	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F142322AA	08/20/2014 11:29	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14230C20A	08/19/2014 14:14	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14230C20A	08/19/2014 14:14	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	142340012A	08/26/2014 07:49	Christine E Dolman	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	142340012A	08/22/2014 16:50	JoElla L Rice	1

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

LL Sample # WW 7567859
LL Group # 1496592
Account # 11255

Project Name: 351448

Collected: 08/14/2014 11:12 by LB

Submitted: 08/16/2014 09:30
Reported: 08/27/2014 13:23

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.	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	F142301AA	08/18/2014 18:57	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F142301AA	08/18/2014 18:57	Brett W Kenyon	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14230C20A	08/19/2014 14:41	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14230C20A	08/19/2014 14:41	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	142340012A	08/26/2014 06:00	Christine E Dolman	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	142340012A	08/22/2014 16:50	JoElla L Rice	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 7567860
LL Group # 1496592
Account # 11255

Project Name: 351448

Collected: 08/14/2014 08:56 by LB

Submitted: 08/16/2014 09:30
Reported: 08/27/2014 13:23

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.	34	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	F142312AA	08/19/2014 10:50	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F142312AA	08/19/2014 10:50	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14230C20A	08/19/2014 15:08	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14230C20A	08/19/2014 15:08	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	142340012A	08/26/2014 07:06	Christine E Dolman	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	142340012A	08/22/2014 16:50	JoElla L Rice	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-4 NA Groundwater
Facility# 351448
200 S 36th St - Bellingham, WA

LL Sample # WW 7567861
LL Group # 1496592
Account # 11255

Project Name: 351448

Collected: 08/14/2014 11:42 by LB

Submitted: 08/16/2014 09:30
Reported: 08/27/2014 13:23

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.	44	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	F142311AA	08/19/2014 10:40	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F142311AA	08/19/2014 10:40	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14230C20A	08/19/2014 16:03	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14230C20A	08/19/2014 16:03	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	142340012A	08/26/2014 06:22	Christine E Dolman	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	142340012A	08/22/2014 16:50	JoElla L Rice	1

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

LL Sample # WW 7567862
LL Group # 1496592
Account # 11255

Project Name: 351448

Collected: 08/14/2014 09:36 by LB

Submitted: 08/16/2014 09:30
Reported: 08/27/2014 13:23

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.	160	29	1
08271	Heavy Range Organics C24-C40	n.a.	230	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	F142322AA	08/20/2014 12:57	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F142322AA	08/20/2014 12:57	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14230C20A	08/19/2014 18:18	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14230C20A	08/19/2014 18:18	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	142340012A	08/26/2014 08:11	Christine E Dolman	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	142340012A	08/22/2014 16:50	JoElla L Rice	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-6 NA Groundwater
Facility# 351448
200 S 36th St - Bellingham, WA

LL Sample # WW 7567863
LL Group # 1496592
Account # 11255

Project Name: 351448

Collected: 08/14/2014 08:22 by LB

Submitted: 08/16/2014 09:30
Reported: 08/27/2014 13:23

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	F142322AA	08/20/2014 13:18	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F142322AA	08/20/2014 13:18	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14230C20A	08/19/2014 16:30	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14230C20A	08/19/2014 16:30	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	142340012A	08/26/2014 06:44	Christine E Dolman	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	142340012A	08/22/2014 16:50	JoElla L Rice	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 7567864
LL Group # 1496592
Account # 11255

Project Name: 351448

Collected: 08/14/2014 12:12 by LB

Submitted: 08/16/2014 09:30
Reported: 08/27/2014 13:23

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.	230	50	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	680	28	1
08271	Heavy Range Organics C24-C40	n.a.	270	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	F142322AA	08/20/2014 13:40	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F142322AA	08/20/2014 13:40	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14230C20A	08/19/2014 18:45	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14230C20A	08/19/2014 18:45	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	142340012A	08/26/2014 08:33	Christine E Dolman	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	142340012A	08/22/2014 16:50	JoElla L Rice	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-8 NA Groundwater
Facility# 351448
200 S 36th St - Bellingham, WA

LL Sample # WW 7567865
LL Group # 1496592
Account # 11255

Project Name: 351448

Collected: 08/14/2014 10:38 by LB

Submitted: 08/16/2014 09:30
Reported: 08/27/2014 13:23

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	3	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.	59	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	F142322AA	08/20/2014 14:02	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F142322AA	08/20/2014 14:02	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14234B20A	08/25/2014 23:35	Miranda P Tillinghast	1
01146	GC VOA Water Prep	SW-846 5030B	1	14234B20A	08/25/2014 23:35	Miranda P Tillinghast	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	142340012A	08/26/2014 07:27	Christine E Dolman	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	142340012A	08/22/2014 16:50	JoElla L Rice	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 7567866
LL Group # 1496592
Account # 11255

Project Name: 351448

Collected: 08/14/2014 08:00

Submitted: 08/16/2014 09:30
Reported: 08/27/2014 13:23

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	F142322AA	08/20/2014 12:35	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F142322AA	08/20/2014 12:35	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	14234B20A	08/25/2014 20:54	Miranda P Tillinghast	1
01146	GC VOA Water Prep	SW-846 5030B	1	14234B20A	08/25/2014 20:54	Miranda P Tillinghast	1

Quality Control Summary

Client Name: Chevron Group Number: 1496592
Reported: 08/27/14 at 01:23 PM

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

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: F142301AA	Sample number(s): 7567859							
Benzene	N.D.	0.5	ug/l	92		78-120		
Ethanol	N.D.	50.	ug/l	97		58-139		
Ethylbenzene	N.D.	0.5	ug/l	92		79-120		
Toluene	N.D.	0.5	ug/l	92		80-120		
Xylene (Total)	N.D.	0.5	ug/l	95		80-120		
Batch number: F142311AA	Sample number(s): 7567861							
Benzene	N.D.	0.5	ug/l	94		78-120		
Ethanol	N.D.	50.	ug/l	92		58-139		
Ethylbenzene	N.D.	0.5	ug/l	96		79-120		
Toluene	N.D.	0.5	ug/l	95		80-120		
Xylene (Total)	N.D.	0.5	ug/l	97		80-120		
Batch number: F142312AA	Sample number(s): 7567860							
Benzene	N.D.	0.5	ug/l	96		78-120		
Ethanol	N.D.	50.	ug/l	91		58-139		
Ethylbenzene	N.D.	0.5	ug/l	93		79-120		
Toluene	N.D.	0.5	ug/l	98		80-120		
Xylene (Total)	N.D.	0.5	ug/l	96		80-120		
Batch number: F142322AA	Sample number(s): 7567858,7567862-7567866							
Benzene	N.D.	0.5	ug/l	96		78-120		
Ethanol	N.D.	50.	ug/l	95		58-139		
Ethylbenzene	N.D.	0.5	ug/l	94		79-120		
Toluene	N.D.	0.5	ug/l	96		80-120		
Xylene (Total)	N.D.	0.5	ug/l	96		80-120		
Batch number: 14230C20A	Sample number(s): 7567858-7567864							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	104		75-135		
Batch number: 14234B20A	Sample number(s): 7567865-7567866							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	105	106	75-135	1	30
Batch number: 142340012A	Sample number(s): 7567858-7567865							
Diesel Range Organics C12-C24	N.D.	30.	ug/l	79	53	50-113	39*	20
Heavy Range Organics C24-C40	N.D.	70.	ug/l					

Sample Matrix Quality Control

*- 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: 1496592
Reported: 08/27/14 at 01:23 PM
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: F142301AA	Sample number(s): 7567859 UNSPK: 7567859								
Benzene	98	100	72-134	3	30				
Ethanol	86	100	53-146	14	30				
Ethylbenzene	100	103	71-134	3	30				
Toluene	100	101	80-125	1	30				
Xylene (Total)	101	103	79-125	3	30				
Batch number: F142311AA	Sample number(s): 7567861 UNSPK: 7567861								
Benzene	93	92	72-134	1	30				
Ethanol	97	103	53-146	6	30				
Ethylbenzene	97	98	71-134	2	30				
Toluene	94	96	80-125	1	30				
Xylene (Total)	98	99	79-125	2	30				
Batch number: F142312AA	Sample number(s): 7567860 UNSPK: 7567860								
Benzene	96	96	72-134	0	30				
Ethanol	101	94	53-146	7	30				
Ethylbenzene	101	99	71-134	3	30				
Toluene	101	100	80-125	1	30				
Xylene (Total)	102	101	79-125	1	30				
Batch number: F142322AA	Sample number(s): 7567858,7567862-7567866 UNSPK: 7567858								
Benzene	104	102	72-134	2	30				
Ethanol	92	91	53-146	1	30				
Ethylbenzene	102	104	71-134	1	30				
Toluene	103	105	80-125	1	30				
Xylene (Total)	103	104	79-125	1	30				
Batch number: 14230C20A	Sample number(s): 7567858-7567864 UNSPK: P566637								
NWTPH-Gx water C7-C12	119	119	75-135	0	30				

Surrogate Quality Control

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

Analysis Name: UST VOCs by 8260B - Water
Batch number: F142301AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7567859	100	99	102	102
Blank	100	95	100	100
LCS	99	100	100	101
MS	102	99	101	100
MSD	100	100	101	101
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water

*- 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: 1496592
Reported: 08/27/14 at 01:23 PM

Surrogate Quality Control

Batch number: F142311AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7567861	100	99	100	100
Blank	99	98	101	101
LCS	100	99	100	102
MS	98	98	101	100
MSD	101	99	101	101
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water
Batch number: F142312AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7567860	99	102	101	101
Blank	101	101	100	100
LCS	101	102	100	99
MS	99	101	101	101
MSD	99	99	100	101
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water
Batch number: F142322AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7567858	100	103	99	98
7567862	99	101	98	100
7567863	101	103	100	100
7567864	101	100	98	100
7567865	99	100	98	99
7567866	102	97	99	100
Blank	102	101	101	103
LCS	100	102	99	101
MS	101	103	99	101
MSD	101	102	102	104
Limits:	80-116	77-113	80-113	78-113

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 14230C20A

	Trifluorotoluene-F
7567858	86
7567859	93
7567860	94
7567861	93
7567862	93
7567863	88
7567864	89
Blank	91
LCS	94
MS	111
MSD	111

*- 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: 1496592
Reported: 08/27/14 at 01:23 PM

Surrogate Quality Control

Limits: 63-135

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 14234B20A

	Trifluorotoluene-F
7567865	94
7567866	89
Blank	93
LCS	96
LCSD	95
Limits:	63-135

Analysis Name: NWTPH-Dx water
Batch number: 142340012A

	Orthoterphenyl
7567858	96
7567859	78
7567860	95
7567861	77
7567862	100
7567863	82
7567864	102
7567865	97
Blank	89
LCS	97
LCSD	68
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.

acct#11255 Gp#1496592 Sample# 7567858-66

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. 140814-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)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

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	—	140814	1007	8	VOA, AMBER				X		X			X			
MW-2	GW	—	140814	1112	8					X		X			X			
MW-3	GW	—	140814	0856	8					X		X			X			
MW-4	GW	—	140814	1142	8					X		X			X			
MW-5	GW	—	140814	0936	8					X		X			X			
MW-6	GW	—	140814	0822	8					X		X			X			
MW-7	GW	—	140814	1212	8					X		X			X			
MW-8	GW	—	140814	1038	8					X		X			X			
QA	GW	—	140814	0800	3	VOA				X		X						

Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time
				ELLE	8/15/14 08:00
				ELLE	8/16/14 930

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

Sample Integrity: (Check by lab on arrival)
Intact: X On Ice: X Temp: 0.6-1.4°

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.

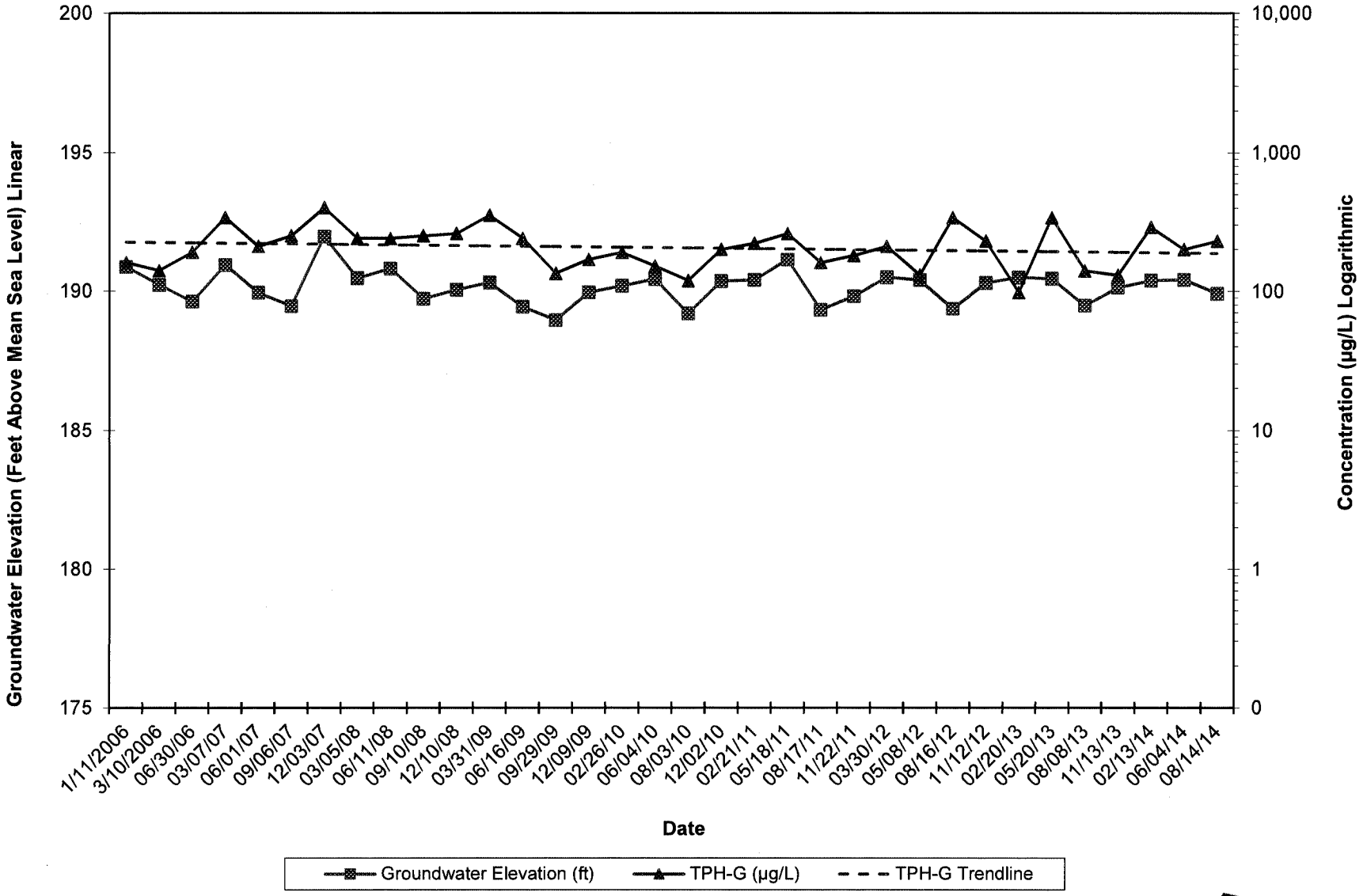
Measurement uncertainty values, as applicable, are available upon request.

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.

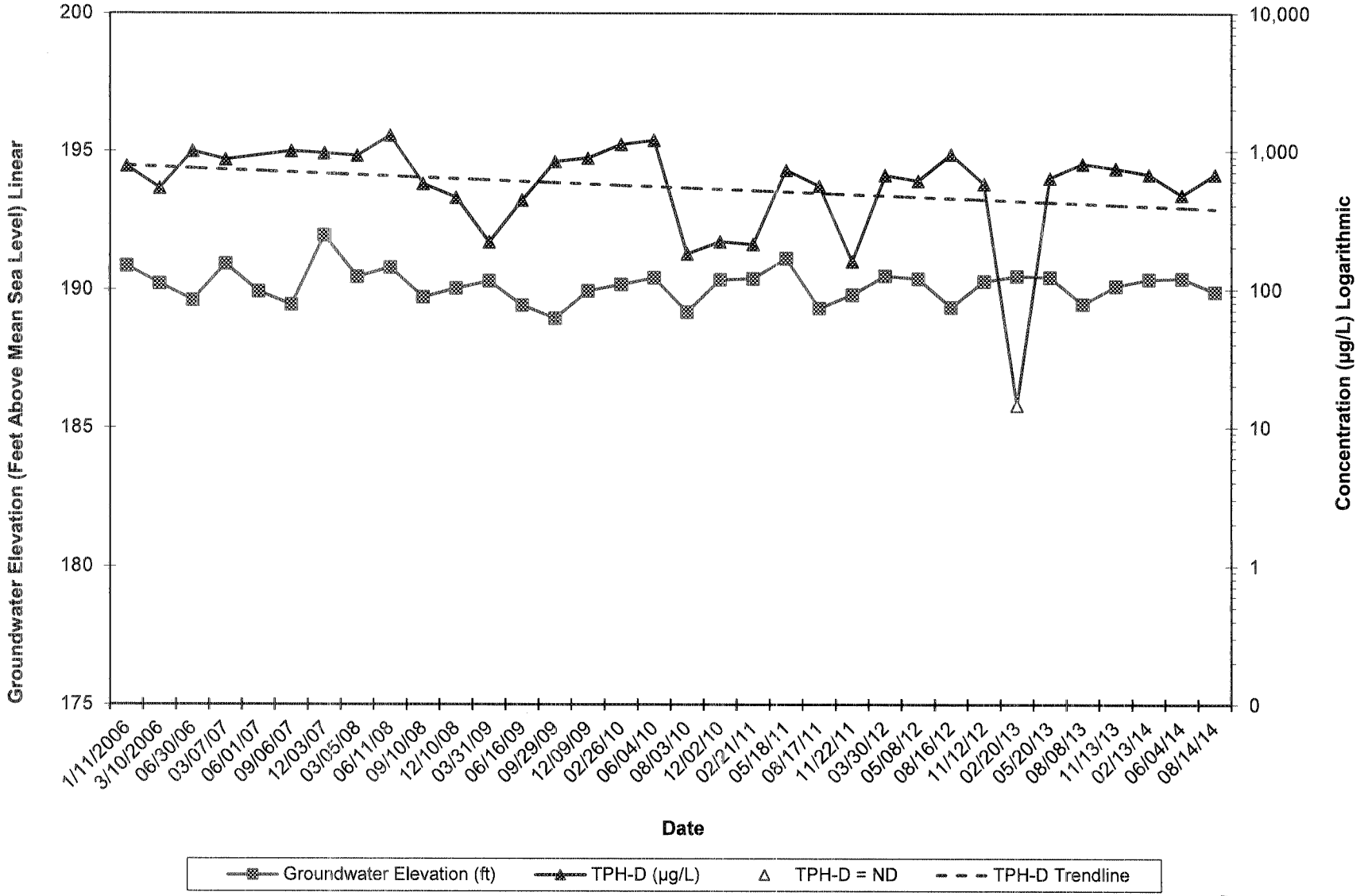
Attachment C:
Hydrographs

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



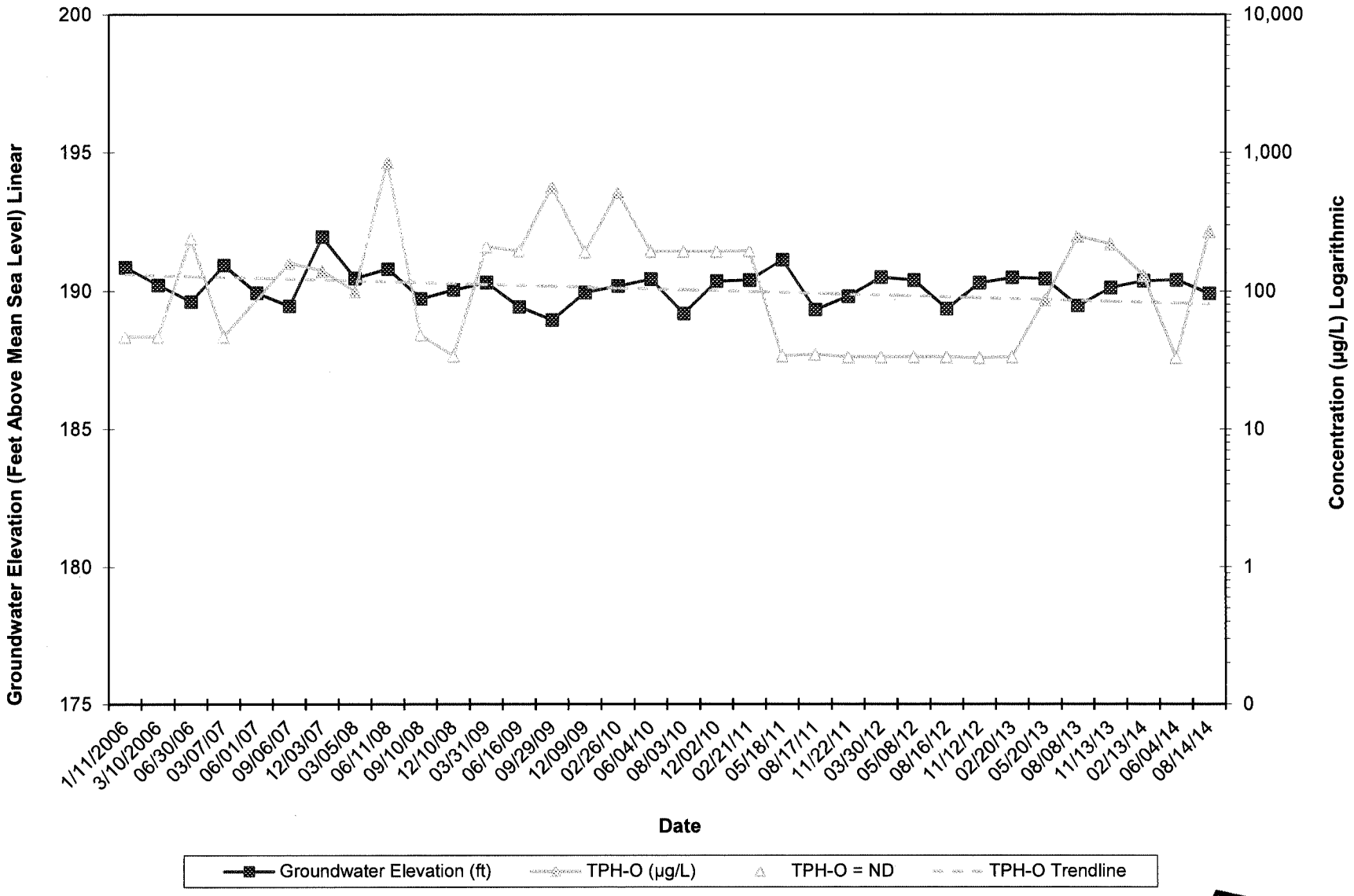
leidos

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



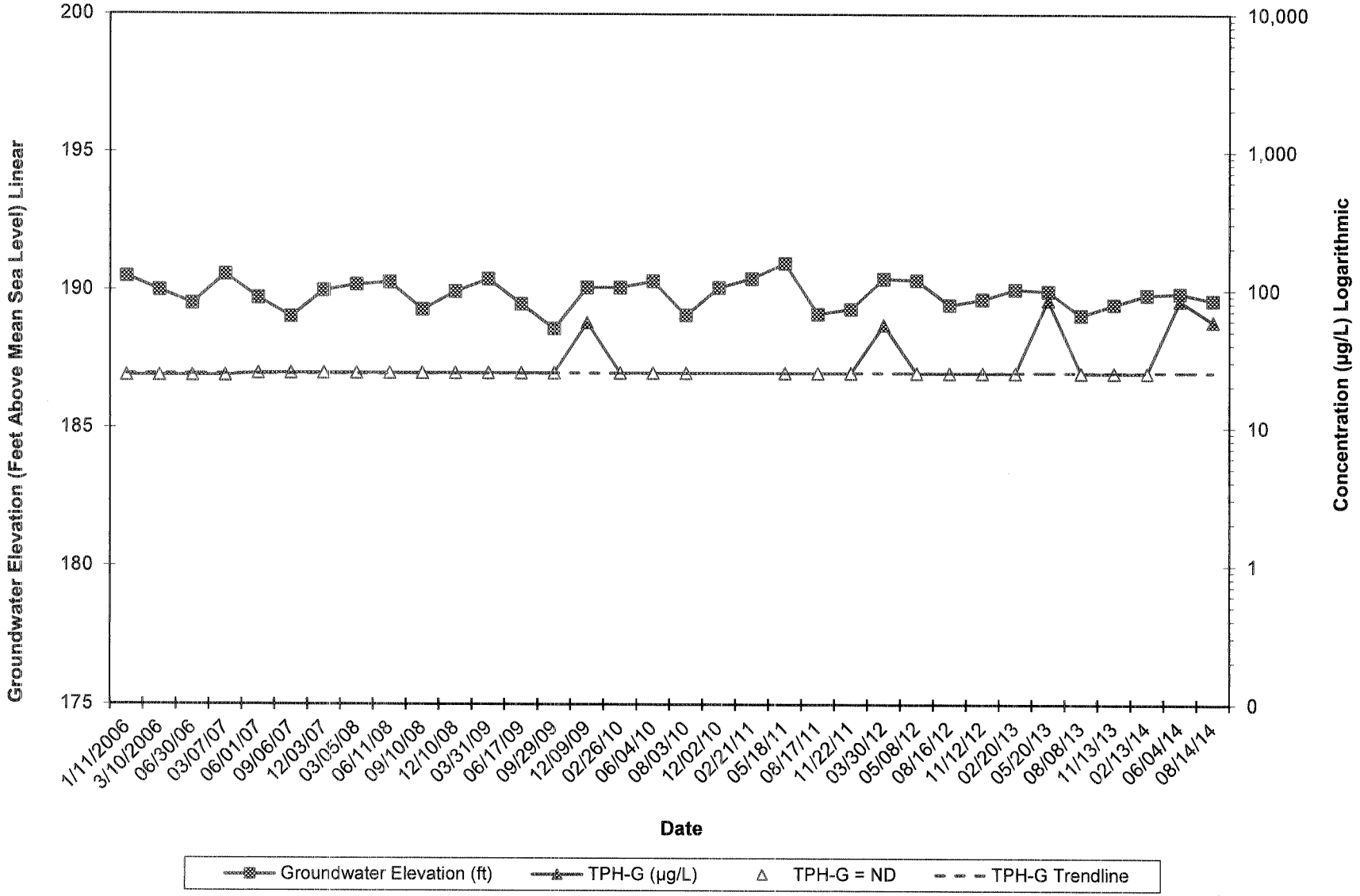
leidos

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



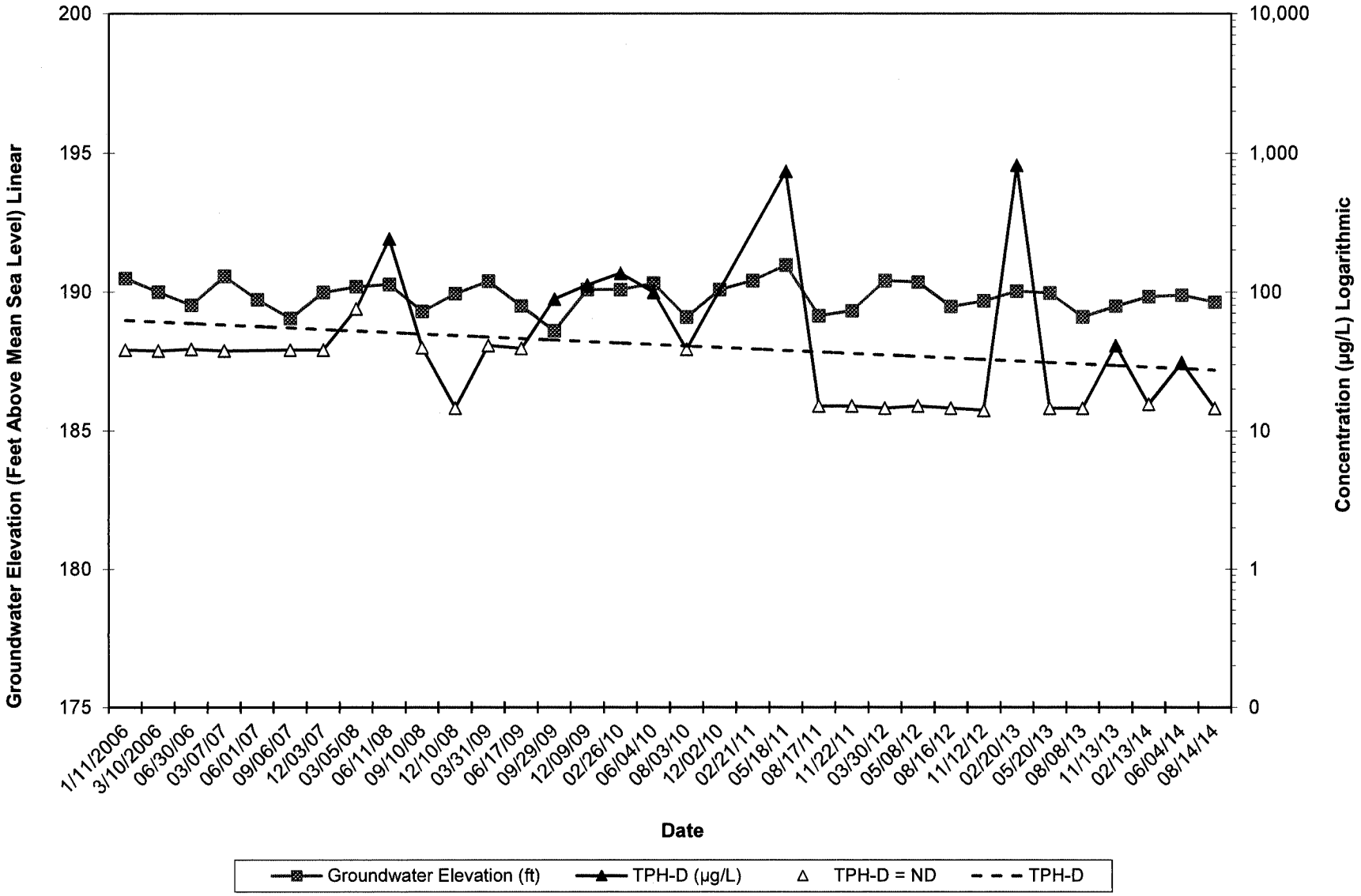
leidos

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



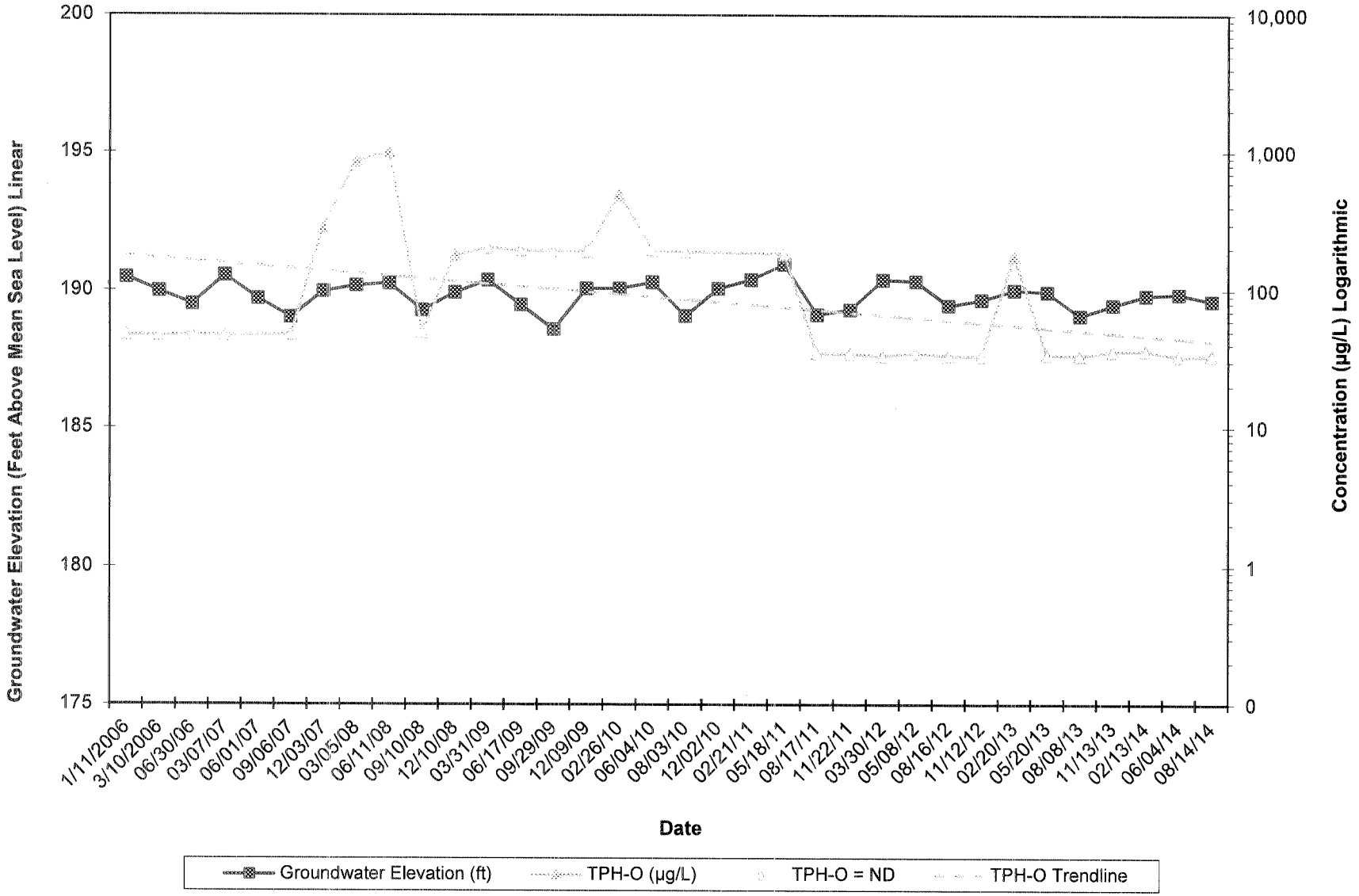
leidos

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



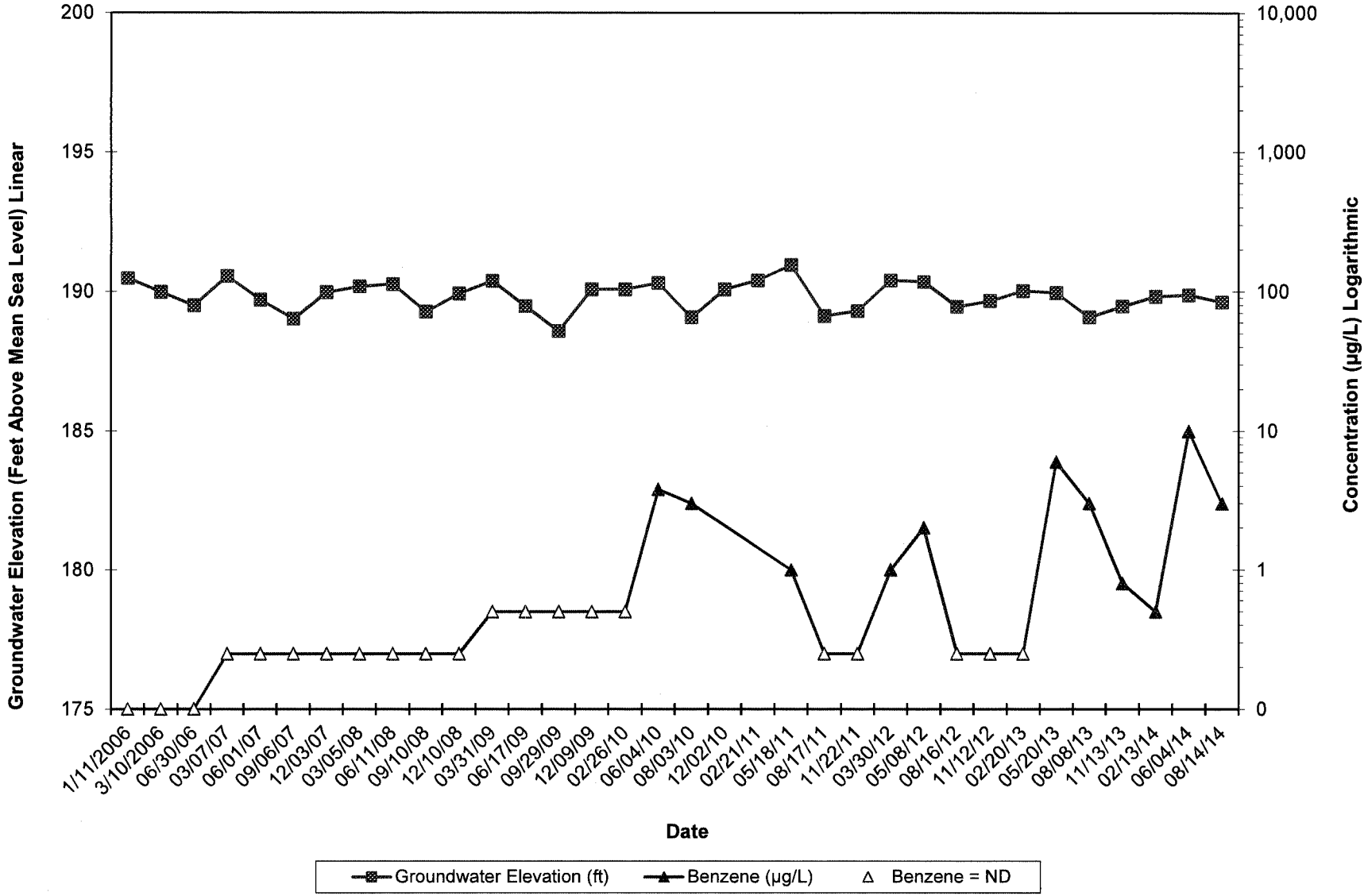
leidos

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