

UMCAL #6380

January 13, 2014



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

Subject: **Fourth Quarter 2013 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 November 13, 2013. 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 189.48 (MW-8) to 190.82 (MW-6) feet above mean sea level. Groundwater flow is to the northwest at a gradient of approximately 0.012 feet per foot; however, a southerly gradient exists in the southeast portion of the property with a gradient of approximately 0.04 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

ENTERED

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

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

RESULTS

The results of the fourth quarter 2013 sampling event indicate that petroleum-hydrocarbon constituent concentrations are generally consistent with respect to historical data and trending downward. In addition, the groundwater elevation, flow direction, and gradient are consistent with historical measurements. Below is a summary of analytical results.


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

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

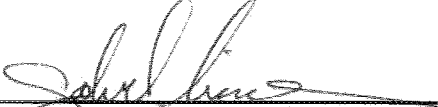
If you have any questions or comments, please contact me at (208) 429-3772 or via email at ronald.santos@leidos.com.

Sincerely,

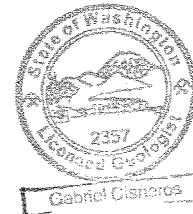
Leidos Engineering, LLC



Ron Santos, PE
Senior Project Engineer



Gabriel Cisneros LG #2357
Geologist



Enclosures:

Figure 1 – Potentiometric Map

Figure 2 – Site Plan with Groundwater Analytical Results

Table 1 – Groundwater Monitoring Data and Analytical Results

Attachment A – Groundwater Monitoring and Sampling Data Package

Attachment B – Laboratory Analysis Report

Attachment C – Hydrographs

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

REPORT LIMITATIONS

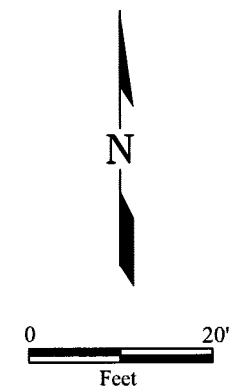
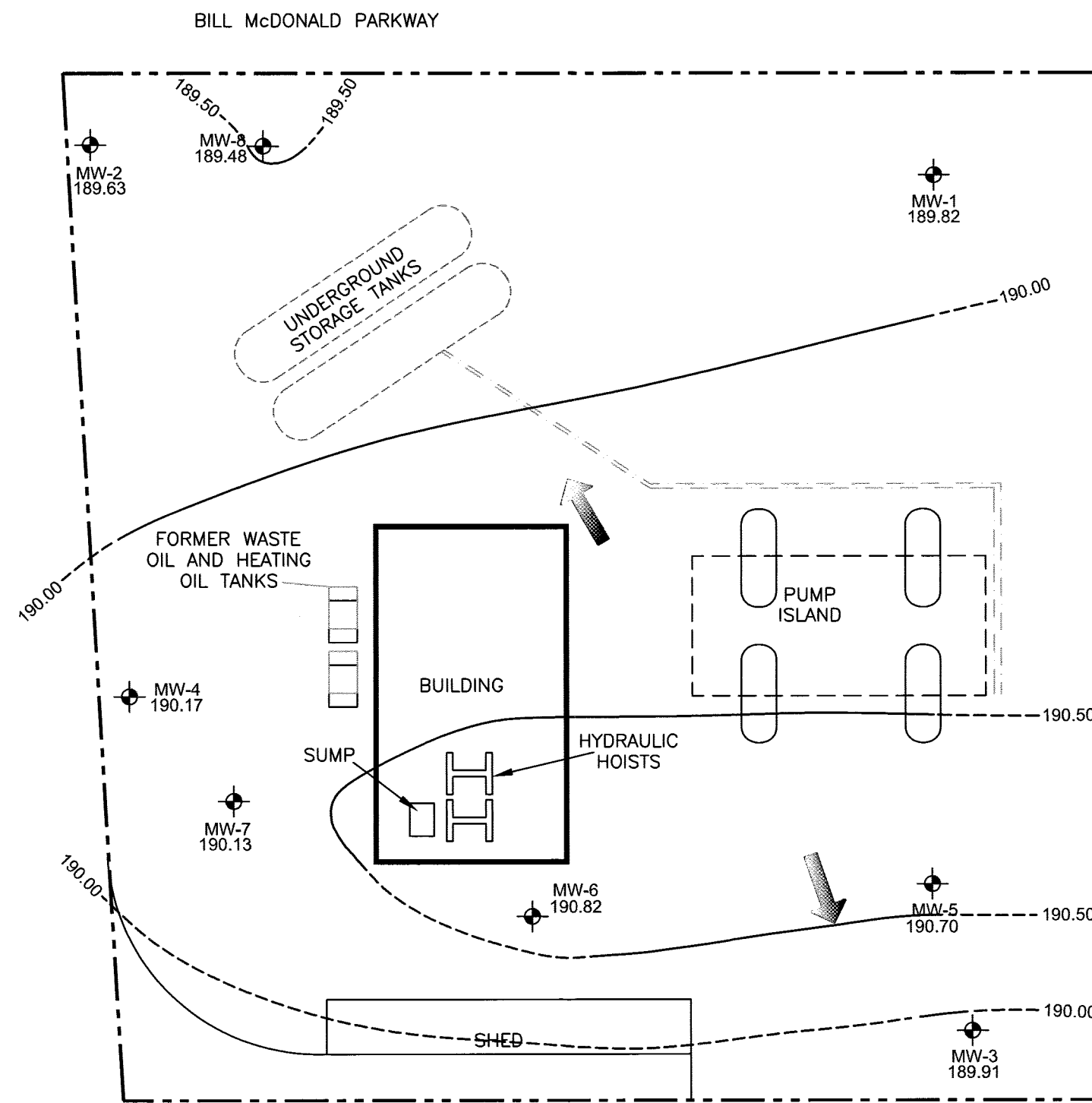
This technical document was prepared on behalf of CEMC and is intended for its sole use and for use by the local, state or federal regulatory agency that the technical document was sent to by Leidos. Any other person or entity obtaining, using, or relying on this technical document hereby acknowledges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

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

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

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

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



SOUTH SAMISH WAY

- LEGEND**
- MW-1 MONITORING WELL LOCATION
 - SITE BOUNDARY
 - (190.82) GROUNDWATER ELEVATION IN FEET
 - 190.50 GROUNDWATER ELEVATION CONTOUR AT A 0.50 INTERVAL (DASHED WHERE INFERRED)
 - APPROXIMATE GROUNDWATER FLOW DIRECTION
- GROUNDWATER GRADIENT:
 NORTHWESTERLY COMPONENT=0.012 FT/FT
 SOUTHERLY COMPONENT=0.04 FT/FT



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

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

FIGURE 1
Potentiometric Map
November 13, 2013

DATE: 12/10/2013 DRAWING: 351448 Site Map.dwg

MW-8	2/20/13	5/20/13	8/8/13	11/13/13
TPH-G	<50	85	<50	<50
TPH-D	820	<29	<29	41
TPH-O	180	<68	<67	<72
B	<0.5	6	3	0.8
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	2/20/13	5/20/13	8/8/13	11/13/13
TPH-G	<50	<50	<50	<50
TPH-D	<28	<31	<28	<30
TPH-O	<66	<72	<66	<70
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	2/20/13	5/20/13	8/8/13	11/13/13
TPH-G	<50	<50	<50	<50
TPH-D	<29	<28	40	<31
TPH-O	<67	<66	<67	<73
B	<0.5	<0.5	<0.5	<0.5
T	<0.5	<0.5	<0.5	<0.5
E	<0.5	<0.5	<0.5	<0.5
X	<0.5	<0.5	<0.5	<0.5

MW-7	2/20/13	5/20/13	8/8/13	11/13/13
TPH-G	98	340	140	130
TPH-D	<29	640	810	750
TPH-O	<67	87	250	220
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	2/20/13	5/20/13	8/8/13	11/13/13
TPH-G	<50	<50	<50	<50
TPH-D	46	<29	<28	55
TPH-O	<66	<67	<66	<71
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	2/20/13	5/20/13	8/8/13	11/13/13
TPH-G	<50	<50	<50	<50
TPH-D	160	47	46	220
TPH-O	180	<67	<67	250
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	2/20/13	5/20/13	8/8/13	11/13/13
TPH-G	<50	<50	<50	<50
TPH-D	68	87	42	54
TPH-O	<66	120	<67	<73
B	<0.5	<0.5	<0.5	<0.5
T	<0.5	<0.5	<0.5	<0.5
E	<0.5	<0.5	<0.5	<0.5
X	<0.5	<0.5	<0.5	<0.5

MW-1	2/20/13	5/20/13	8/8/13	11/13/13
TPH-G	<50	<50	<50	<50
TPH-D	200	61	56	250
TPH-O	210	110	<67	280
B	<0.5	<0.5	<0.5	<0.5
T	<0.5	<0.5	<0.5	<0.5
E	<0.5	<0.5	<0.5	<0.5
X	<0.5	<0.5	<0.5	<0.5

BILL McDONALD PARKWAY

UNDERGROUND STORAGE TANKS

FORMER WASTE OIL AND HEATING OIL TANKS

BUILDING

PUMP ISLAND



HYDRAULIC HOISTS

SUMP

SHED

SOUTH SAMISH WAY

LEGEND

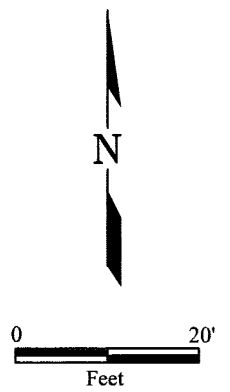
-  MONITORING WELL LOCATION
-  SITE BOUNDARY

ANALYTES

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

UNITS IN MICROGRAMS PER LITER (µg/L)

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



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

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

FIGURE 2
Site Plan with Groundwater Analytical Results (November 13, 2013)

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

Well ID/ TOC Elevation (ft)	Sample Date	Depth to Water (ft)	LPH (ft)	GW Elevation (ft)	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	EDC	EDB	Total Lead	Dissolved Lead	Ethanol
MW-1 98.49	03/11/99	4.96	--	93.53	<50	<250	<750 ^e	<0.500	<0.500	<0.500	<1.00	--	--	--	2.41	--	--
	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	--	
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
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Well ID/ TOC Elevation (ft)	Sample Date	Depth to Water (ft)	LPH (ft)	GW Elevation (ft)	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	EDC	EDB	Total Lead	Dissolved Lead	Ethanol
MW-1 (cont.)	08/16/12	5.91	--	189.88	<50	30	<66	19	0.7	<0.5	<0.5	--	--	--	--	--	<50
	11/12/12	5.73	--	190.06	<50	45	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	02/20/13	5.07	--	190.72	<50	200	210	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	05/20/13	4.91	--	190.88	<50	61	110	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	08/08/13	6.11	--	189.68	<50	56	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
	11/13/13	5.97	--	189.82	<50	250	280	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
MW-2 100.74	03/11/99	7.93	--	92.81	<50	<250	<750 ^e	<0.500	<0.500	<0.500	<1.00	--	--	--	162	--	--
	05/25/99	8.18	--	92.56	<50	<250	<750 ^e	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--
	08/12/99	8.94	--	91.80	<50	281	<750 ^e	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--
	12/07/99	8.04	--	92.70	<50	<250	<750 ^e	<0.500	<0.500	<0.500	<1.00	--	--	--	17.0	--	--
	02/10/00	8.32	--	92.42	<50	<250	<750 ^e	<0.500	<0.500	<0.500	<1.00	--	--	--	49.1	--	--
	02/02/01	6.40	--	94.34	<50	<250	<750 ^e	<0.500	<0.500	<0.500	<1.00	--	--	--	--	<1.00	--
	02/08/02	7.77	--	92.97	<50	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	40.6	<1.00	--
	09/20/02	9.23	--	91.51	<50	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	<1.00	--	--
	12/04/02	9.15	--	91.59	<50	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	2.89	--	--
	03/05/03	8.28	--	92.46	<50	<250	<500	<0.500	<0.500	<0.500	<1.00	--	--	--	19.8	--	--
	06/10/03	8.56	--	92.18	<50	<284	<568 ^e	<0.500	1.36	<0.500	2.53	--	--	--	40.1	--	--
	09/03/03	9.13	--	91.61	<80	<298	<595 ^e	0.829	1.25	0.519	2.49	--	--	--	33.3	--	--
	12/12/03	8.12	--	92.62	<50	<119	<237	<0.250	<0.500	<0.500	<1.500	--	--	--	<5.0	--	--
	03/24/04	8.13	--	92.61	<100	<124	<248	<1.00	<1.00	<1.00	<3.00	--	--	--	21.3	--	--
	06/17/04	8.13	--	92.61	<50	<119	<238	<0.250	<0.500	<0.500	<1.50	--	--	--	--	<10.0	--
	09/23/04	8.33	--	92.41	<50	<271	<542 ^e	<0.50	<0.50	<0.50	<1.0	--	--	--	<10.0	--	--
	12/29/04	7.82	--	92.92	<100	<239	<478	<1.00	<1.00	<1.00	<3.00	--	--	--	--	<10.0	--
	03/04/05	8.34	--	92.40	<100	<239	<478	<1.00	<1.00	<1.00	<3.00	--	--	--	<10.0	--	--
	06/09/05	8.66	--	92.08	<100	<238	<475	<1	<1	<1	<3	<1	--	--	--	<15	--
	09/15/05	5.40	--	95.34	<48	<75	<94	<0.5	<0.5	<0.5	<1.5	--	--	--	--	<0.87	--
	12/15/05	8.44	--	92.30	<48	<75	<94	<0.2	<0.2	<0.2	<0.6	--	--	--	--	--	--
	03/10/06	8.28	--	92.46	<48	<76	<95	<0.2	<0.2	<0.2	<0.6	--	--	--	--	--	--
	06/30/06	8.71	--	92.03	<48	<76	<95	<0.2	<0.2	<0.2	<0.6	<0.3	--	--	--	--	--
	03/07/07	7.80	--	92.94	<48	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--
	06/01/07	8.38	--	92.36	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--
	09/06/07	9.06	--	91.68	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--
	12/03/07	6.69	--	94.05	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--
	03/05/08	8.05	--	92.69	<50	<800 ^{c,e}	<1,000 ^{c,e}	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--
	06/11/08	8.25	--	92.49	<50	<76 ^b	<95 ^b	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
	09/10/08	8.80	--	91.94	<50	<78	<97	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--
12/10/08	Removed from sampling event this quarter.																
198.03	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	--
	09/29/09	9.38	--	188.65	<50	<77.7	<388	<1.0	<1.0	<1.0	<3.0	<1.0	--	--	--	--	--
	12/09/09	7.99	--	190.04	Not part of the sampling schedule this reporting period.												
	02/26/10	8.10	--	189.93	Not part of the sampling schedule this reporting period.												
	06/04/10	7.76	--	190.27	Not part of the sampling schedule this reporting period.												
	08/03/10	8.93	--	189.10	<50	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
	12/02/10	7.99	--	190.04	<50	<78.4	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
	02/21/11	7.64	--	190.39	<50	<78.4	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--
	05/18/11	7.30	--	190.73	<50	<30	<70	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50
08/17/11	8.80	--	189.23	<50	<31	<72	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50	

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

Well ID/ TOC Elevation (ft)	Sample Date	Depth to Water (ft)	LPH (ft)	GW Elevation (ft)	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	EDC	EDB	Total Lead	Dissolved Lead	Ethanol			
MW-2 (cont.)	11/22/11	8.60	--	189.43	<50	<30	<69	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50			
	03/30/12	8.18	--	189.85	<50	<28	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50			
	05/08/12	7.80	--	190.23	<50	<29	<69	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50			
	08/16/12	8.41	--	189.62	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50			
	11/12/12	8.36	--	189.67	<50	<28	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50			
	02/20/13	8.18	--	189.85	<50	<28	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50			
	05/20/13	8.21	--	189.82	<50	<31	<72	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50			
	08/08/13	9.02	--	189.01	<50	<28	<66	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<50			
	11/13/13	8.40	--	189.63	<50	<30	<70	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<50			
MW-3 97.84	03/11/99	4.93	--	92.91	<50	<250	<750 ^e	<0.500	<0.500	<0.500	<1.00	--	--	--	6.35	--	--			
	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.												
	195.19	03/31/09	4.90	--	92.94	--	--	--	--	--	--	--	--	--	--	--	--	--		
		06/17/09	5.57	--	92.27	<50	<78	<390	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<0.010	<1.0	<1.0	--		
09/29/09		5.91	--	189.28	<50	<78.4	<392	<1.0	<1.0	<1.0	<3.0	<1.0	--	--	--	--	--			
12/09/09		5.06	--	190.13																
02/26/10		5.02	--	190.17																
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	--	--	--	--	--	--				

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

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

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

Well ID/ TOC Elevation (ft)	Sample Date	Depth to Water (ft)	LPH (ft)	GW Elevation (ft)	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	EDC	EDB	Total Lead	Dissolved Lead	Ethanol			
MW-4 (cont.)	06/04/10	6.19	--	190.58	<50	81.3	<396	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--			
	08/03/10	7.38	--	189.39	<50	<76.9	<385	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--			
	12/02/10	6.28	--	190.49	<50	<78.4	<392	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--			
	02/21/11	6.22	--	190.55	<50	<77.7	<388	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--			
	05/18/11	5.73	--	191.04	<50	<30	<69	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<50			
	08/17/11	7.31	--	189.46	<50	59	<71	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	<50		
	11/22/11	6.73	--	190.04	<50	<29	<68	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	<50		
	03/30/12	6.11	--	190.66	<50	<28	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	<50		
	05/08/12	6.11	--	190.66	<50	<29	<68	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	<50		
	08/16/12	7.18	--	189.59	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	<50		
	11/12/12	6.36	--	190.41	<50	<28	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	<50		
	02/20/13	6.18	--	190.59	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	<50		
	05/20/13	6.22	--	190.55	<50	<28	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	<50		
08/08/13	7.13	--	189.64	<50	40	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	<50			
11/13/13	6.60	--	190.17	<50	<31	<73	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	<50			
MW-5 101.14	01/11/06	4.04	--	97.10	<48	<75	<94	1.7	<0.2	<0.2	<0.6	--	--	--	<8.4	--	--			
	03/10/06	3.81	--	97.33	65	<75	<94	13	0.2	<0.2	<0.6	--	--	--	--	--	--			
	06/30/06	4.46	--	96.68	57	<76	<95	8.6	<0.2	<0.2	<0.6	<5.0	--	--	--	--	--			
	03/07/07	3.48	--	97.66	<48	<76	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--			
	06/01/07	4.10	--	97.04	<50	--	--	<0.5	<0.7	<0.8	<0.8	0.6	--	--	--	--	--			
	09/06/07	4.43	--	96.71	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--			
	12/03/07	4.64	--	96.50	<50	99	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--			
	03/05/08	4.36	--	96.78	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--			
	06/11/08	4.21	--	96.93	<50	91	<94	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--			
	09/10/08	4.30	--	96.84	<50	<78	<98	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--			
	12/10/08							Removed from sampling event this quarter.												
	03/31/09	4.45	--	96.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	06/16/09	4.80	--	96.34	<50	<78	<390	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<0.010	<1.0	<1.0	--			
09/29/09	5.53	--	189.47	<50	183	<386	<1.0	<1.0	<1.0	<3.0	<1.0	--	--	--	--	--				
12/09/09	4.33	--	190.67																	
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																	
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																	
02/21/11	3.79	--	191.21																	
05/18/11	3.68	--	191.32	<50	49	<70	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	<50			
08/17/11	5.11	--	189.89	<50	<30 ^f	<69 ^f	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	<50			
11/22/11	4.60	--	190.40	<50	<30	<69	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	<50			
03/30/12	4.43	--	190.57	<50	<29	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	<50			
05/08/12	4.45	--	190.55	<50	<30	<70	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	<50			
08/16/12	4.52	--	190.48	<50	<28	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	<50			
11/12/12	4.51	--	190.49	<50	30	<66	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	<50			
02/20/13	3.99	--	191.01	<50	160	180	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	<50			
05/20/13	4.05	--	190.95	<50	47	<67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	<50			
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			

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

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

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

Well ID/ TOC Elevation (ft)	Sample Date	Depth to Water (ft)	LPH (ft)	GW Elevation (ft)	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	EDC	EDB	Total Lead	Dissolved Lead	Ethanol	
MW-7 (cont.) 196.93	03/31/09	6.62	--	93.02	352	220	<420	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	
	06/16/09	7.49	--	92.15	240	440	<390	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<0.010	<1.0	<1.0	--	
	09/29/09	7.97	--	188.96	134	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	
MW-8 102.70	01/11/06	7.00	--	95.70	<48	<76	<95	<0.2	<0.2	<0.2	<0.6	--	--	--	<8.4	--	--	
	03/10/06	7.50	--	95.20	<48	<75	<94	<0.2	<0.2	<0.2	<0.6	--	--	--	--	--	--	
	06/30/06	7.97	--	94.73	<48	<77	<96	<0.2	<0.2	<0.2	<0.6	<0.3	--	--	--	--	--	
	03/07/07	6.93	--	95.77	<48	<75	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--	
	06/01/07	7.77	--	94.93	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--	
	09/06/07	8.45	--	94.25	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--	
	12/03/07	7.51	--	95.19	<50	<76	290	<0.5	<0.7	<0.8	<0.8	<0.5	--	--	--	--	--	
	03/05/08	7.30	--	95.40	<50	<150	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	<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	--	
	09/29/09	8.89	--	188.59	<50	88.5	<388	<1.0	<1.0	<1.0	<3.0	<1.0	--	--	--	--	--	
12/09/09	7.40	--	190.08	57.9	112	<385	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--		
02/26/10	7.40	--	190.08	<50	136	496	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--		
06/04/10	7.18	--	190.30	<50	99	<392	3.8	<1.0	<1.0	<3.0	--	--	--	--	--	--		
08/03/10	8.40	--	189.08	<50	<76.9	<385	3.0	<1.0	<1.0	<3.0	--	--	--	--	--	--		
12/02/10	7.40	--	190.08														Not part of the sampling schedule this reporting period.	

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

Well ID/ TOC Elevation (ft)	Sample Date	Depth to Water (ft)	LPH (ft)	GW Elevation (ft)	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	EDC	EDB	Total Lead	Dissolved Lead	Ethanol	
MW-8 (cont.)	02/21/11	7.08	--	190.40	Not part of the sampling schedule this reporting period.													
	05/18/11	6.52	--	190.96	<50	740	<370	1	<0.5	<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^l	180^l	<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	
MTCA Method A Cleanup Levels:					1,000/800 ^g	500	500	5	1,000	700	1,000	20	5	0.01	15	15	NE	

ABBREVIATIONS:

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

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

NOTES:

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

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

NOTES (cont.):

a Concentration levels stated by MTCA Method A for TPH-G are 1,000 µg/L when no benzene is present and 800 µg/L when benzene is present.

b The recovery for the LCS with this sample is below quality control limits. Since no sample remained for a reextraction the data is reported.

c Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

d Preservation requirements were not met. The vial submitted for volatile analysis did not have a pH < 2 at the time of analyses. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH=6.

e The laboratory RLs are above current MTCA Method A cleanup levels

f The surrogate data is outside the QC limits. Due to insufficient sample volume, a repeat analysis could not be performed to confirm the results.

g The recovery for the sample surrogate is outside the QC acceptance limits. The sample was re-extracted outside of the method holding time. All results are reported from the original extract. Similar results were obtained in both extracts.

h Re-analysis was requested. The sample was re-extracted in duplicate outside the method holding time. The results are as follows: TPH-D = 610 µg/L (pattern similar to original sample); TPH-O < 140 µg/L; TPH-D DUP = 620 µg/L, TPH-O DUP < 140 µg/L.

i Re-analysis was requested. The sample was re-extracted in duplicate outside the method holding time. The results are as follows: TPH-D < 60 µg/L; TPH-O < 140µg/L; TPH-D DUP < 60 µg/L, TPH-O DUP < 140µg/L.

Attachment A:
Groundwater Monitoring and Sampling Data Package

WELL GAUGING DATA

Project # 131113-RM1 Date 11/13/13 Client Chevron

Site 200 S. 36th St., Bellingham

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	0640	2					5.97	22.80	↓	
MW-2	0625	2				8.40	20.70			
MW-3	0655	2				5.28	21.00			
MW-4	0713	2				6.60	20.30			
MW-5	0648	2				4.30	13.60			
MW-6	0705	2				5.70	13.80			
MW-7	0720	2				6.80	18.02			
MW-8	0633	2				8.00	17.55			

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>131113-PM</u>	Client: <u>Charron</u>
Sampler: <u>PER</u>	Gauging Date: <u>11/13/13</u>
Well I.D.: <u>MW-1</u>	Well Diameter (in.): <u>2</u> 3 4 6 8 _____
Total Well Depth (ft.): <u>22.80</u>	Depth to Water (ft.): <u>5.97</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>78-556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0857 Flow Rate: 200mL/min Pump Depth: 4'

Time	Temp. (<u>C</u> or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or liters)	Depth to Water (ft.)
0900	12-25	6.92	670	27	2.01	40.2	600	6.00
0903	12-21	6.91	671	21	1.95	45.3	1200	6.04
0906	12-23	6.91	673	20	1.96	42.1	1800	6.07
0909	12-23	6.91	670	18	1.96	41.8	2400	6.10
0912	12-23	6.98	668	15	1.91	38.2	3000	6.12

Did well dewater? Yes <input checked="" type="checkbox"/> <u>NO</u>	Amount actually evacuated: <u>3L</u>
Sampling Time: <u>0913</u>	Sampling Date: <u>11/13/13</u>
Sample I.D.: <u>MW-1</u>	Laboratory: <u>Lancaster</u>
Analyzed for: <u>TPH</u> <u>BTEX</u> <u>MTBE</u> <u>TPH-D</u> Other: <u>see C.O.C.</u>	
Equipment Blank I.D.: <u>@</u> Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>131113-RWJ</u>	Client: <u>Chevron</u>
Sampler: <u>Rx</u>	Gauging Date: <u>11/13/13</u>
Well I.D.: <u>MW-2</u>	Well Diameter (in.): <u>2</u> 3 4 6 8
Total Well Depth (ft.): <u>20.70</u>	Depth to Water (ft.): <u>8.40</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>Y42 556</u>

Purge Method: 2" Grundfos Pump ~~Peristaltic Pump~~ Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0740 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 oz)	Depth to Water (ft.)
0743	12.32	6.82	490	13	2.01	40.1	600	8.43
0746	12.31	6.81	485	12	2.00	43.1	1200	8.45
0749	12.31	6.81	483	12	2.01	42.5	1800	8.46
0752	12.31	6.80	483	11	1.95	45.8	2400	8.47
0755	12.33	6.80	480	11	1.97	47.3	3000	8.52

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

Sampling Time: 0756 Sampling Date: 11/13/13

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

Analyzed for: TPEG BTEX MTBE TPH-D Other: see c.o.c.

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>131113-RM1</u>	Client: <u>CHEVRON</u>
Sampler: <u>PK</u>	Gauging Date: <u>11/13/13</u>
Well I.D.: <u>MW-3</u>	Well Diameter (in.): <u>Ø</u> 3 4 6 8 <u> </u>
Total Well Depth (ft.): <u>21.00</u>	Depth to Water (ft.): <u>5.28</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YS2556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1015 Flow Rate: 200ml/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.)
1018	12.50	6.92	670	27	1.30	25.2	600	5.36
1021	12.51	6.90	675	20	1.32	30.3	1200	5.32
1024	12.51	6.90	673	24	1.33	31.8	1200 1800	5.39
1027	12.53	6.91	673	19	1.33	29.7	2400	5.41
1030	12.55	6.93	672	18	1.35	27.3	3000	5.42

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

Sampling Time: 1031 Sampling Date: 11/13/13

Sample I.D.: MW-3 Laboratory: Caracaster

Analyzed for: ~~EPI-G~~ ~~BTEX~~ MTBE ~~THP-D~~ Other: see c-o-c.

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>131113-RW1</u>	Client: <u>Chevron</u>
Sampler: <u>RH</u>	Gauging Date: <u>11/13/13</u>
Well I.D.: <u>MW-4</u>	Well Diameter (in.): <input checked="" type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 6 <input type="radio"/> 8 <input type="radio"/> _____
Total Well Depth (ft.): <u>20-30</u>	Depth to Water (ft.): <u>6-60</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <input checked="" type="radio"/> PVC <input type="radio"/> Grade	Flow Cell Type: <u>752-556</u>

Purge Method: 2" Grundfos Pump ~~Peristaltic Pump~~ Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1140 Flow Rate: 200ml/min Pump Depth: 13-5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or <u>µS/cm</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>lit.</u>)	Depth to Water (ft.)
1143	12.50	7.01	503	20	1.80	80.2	600	6.65
1146	12.50	6.95	500	19	1.81	85.3	1200	6.67
1149	12.51	6.95	495	19	1.91	86.7	1800	6.68
1152	12.53	6.97	496	15	1.90	82.1	2400	6.71
1155	12.53	6.97	496	14	1.79	82.9	3000	6.73

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated: <u>3L</u>
Sampling Time: <u>1156</u>	Sampling Date: <u>11/13/13</u>
Sample I.D.: <u>MW-4</u>	Laboratory: <u>Lancaster</u>
Analyzed for: <input checked="" type="checkbox"/> TRPG <input checked="" type="checkbox"/> BTEX <input type="checkbox"/> MTBE <input checked="" type="checkbox"/> TPH-P <input type="checkbox"/> Other: <u>See C-O-C.</u>	
Equipment Blank I.D.: <u>@</u> Time	Duplicate I.D.:

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (408) 573-0555

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>131113-RK1</u>	Client: <u>CHEVRON</u>
Sampler: <u>RK</u>	Gauging Date: <u>11/13/13</u>
Well I.D.: <u>MW-5</u>	Well Diameter (in.): <u>2</u> 3 4 6 8 _____
Total Well Depth (ft.): <u>13.60</u>	Depth to Water (ft.): <u>4.30</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>✓</u> Grade	Flow Cell Type: <u>YSZ 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0935 Flow Rate: 200ml/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 g L)	Depth to Water (ft.)
0938	12.40	6.91	820	25	1.80	40.7	600	4.32
0941	12.42	6.83	821	21	1.81	45.2	1200	4.40
0944	12.45	6.83	825	17	1.83	47.3	1800	4.42
0947	12.43	6.85	823	17	1.83	47.0	2400	4.45
0950	12.43	6.87	823	18	1.85	49.2	3000	4.48

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

Sampling Time: 0951 Sampling Date: 11/13/13

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other: SEE CO-C.

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>17113-RN¹</u>	Client: <u>CHEVRON</u>
Sampler: <u>PC</u>	Gauging Date: <u>11/13/13</u>
Well I.D.: <u>MW-6</u>	Well Diameter (in.): <u>2</u> 3 4 6 8 _____
Total Well Depth (ft.): <u>13.80</u>	Depth to Water (ft.): <u>5.70</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump ~~Peristaltic Pump~~ Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1100 Flow Rate: 200ml/min Pump Depth: 10'

Time	Temp. (<u>C</u> or °F)	pH	Cond. (mS/cm or <u>µS/cm</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>DL</u>)	Depth to Water (ft.)
1103	12.42	6.70	640	10	1.75	50.2	600	5.75
1106	12.40	6.71	647	10	1.93	53.3	1200	5.77
1109	12.41	6.71	650	9	1.93	57.9	1800	5.79
1112	12.41	6.73	653	9	1.90	55.4	2400	5.81
1115	12.43	6.75	657	7	1.91	55.0	3000	5.82

Did well dewater? Yes <input checked="" type="checkbox"/> No	Amount actually evacuated: <u>3L</u>
Sampling Time: <u>1118</u>	Sampling Date: <u>11/13/13</u>
Sample I.D.: <u>MW-6</u>	Laboratory: <u>Lanaster</u>
Analyzed for: <u>TPH</u> <u>BTEX</u> <u>MTBE</u> <u>TPH-D</u>	Other: <u>see c-o-c</u>
Equipment Blank I.D.: <u>@</u> Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>131113-RK1</u>	Client: <u>CH2M HILL</u>
Sampler: <u>MC</u>	Gauging Date: <u>11/13/13</u>
Well I.D.: <u>MW-7</u>	Well Diameter (in.): <u>3</u> 3 4 6 8 _____
Total Well Depth (ft.): <u>18.02</u>	Depth to Water (ft.): <u>6.80</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>BVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump ~~Peristaltic Pump~~ Bladder Pump
 Sampling Method: ~~Dedicated Tubing~~ New Tubing Other _____
 Start Purge Time: 1215 Flow Rate: 200ml/min Pump Depth: 12.5'

Time	Temp. (<u>C</u> or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>ml</u>)	Depth to Water (ft.)
1218	12.20	7.01	530	20	1.50	-12.2	600	6.83
1221	12.23	6.90	532	17	1.49	-10.9	1200	6.83
1224	12.22	6.85	530	15	1.49	-6.3	1800	6.85
1227	12.22	6.86	533	15	1.48	-5.4	2400	6.87
1230	12.21	6.86	537	13	1.47	-3.3	3000	6.90

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated: <u>32</u>
Sampling Time: <u>1231</u>	Sampling Date: <u>11/13/13</u>
Sample I.D.: <u>MW-7</u>	Laboratory: <u>Lancaster</u>
Analyzed for: <u>TPH-G</u> <u>BTEX</u> <u>MTBE</u> <u>TEL-D</u> <u>Other</u> <u>see e-doc</u>	
Equipment Blank I.D.: <u>@</u> <small>Time</small>	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>13113-RN</u>	Client: <u>CHEVRON</u>
Sampler: <u>RN</u>	Gauging Date: <u>11/13/13</u>
Well I.D.: <u>MW-9</u>	Well Diameter (in.): <u>2</u> 3 4 6 8
Total Well Depth (ft.): <u>17.55</u>	Depth to Water (ft.): <u>8.00</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 54</u>

Purge Method: 2" Grundfos Pump ~~Peristaltic Pump~~ Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0813 Flow Rate: 200ml/min Pump Depth: 12.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>BL</u>)	Depth to Water (ft.)
0816	12.17	7.01	701	17	1.95	80.2	600	8.02
0819	12.15	7.01	715	16	1.90	82.7	1200	8.10
0822	12.15	6.98	703	14	1.91	82.1	1800	8.11
0825	12.15	6.99	709	13	1.91	79.6	2400	8.13
0828	12.16	6.97	708	13	1.90	77.3	3000	8.17

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

Sampling Time: 0829 Sampling Date: 11/13/13

Sample I.D.: MW-9 Laboratory: Lanester

Analyzed for: TPH BTEX MTBE TPH-D Other: see C.O.C.

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

CHAIN OF CUSTODY FORM

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

COC 1 of 1

Chevron Site Number: <u>35-1448</u> Program Designation: <u>CMP</u> Site Address (street, city, state / county): <u>200 S 36th St, Bellingham, WA</u> Chevron PM: Chevron PM Phone No.: <input type="checkbox"/> Retail and Terminal Business Unit (RTBU) Job <input type="checkbox"/> Construction/Retail Job				Chevron Consultant: <u>SAIC</u> Address: <u>18912 North Creek Parkway, Suite 101 Bothell, WA 98011</u> Consultant Contact: <u>Ron Santos</u> Consultant Phone No. <u>(208) 429-3772</u> Consultant Project No. <u>13113 - PH</u> Sampling Company: <u>Blaine Tech Services</u> Sampled By (Print): <u>River Dupuy</u> Sampler Signature:				ANALYSES REQUIRED															
Charge Code: <u>NWRTB 00SITE NUMBER-0- OML</u> WBS ELEMENTS: SITE ASSESSMENT: A1L REMEDIATION IMPLEMENTATION: R5L SITE MONITORING: OML OPERATION MAINTENANCE & MONITORING: M1L				Lancaster Laboratories <input checked="" type="checkbox"/> Lancaster, PA Lab Contact: Megan Moeller 2425 New Holland Pike, Lancaster, PA 17601 Phone No: (717)856-2300				Other Lab _____ _____ _____		Temp. Blank Check Time Temp. _____ _____ _____		Preservation Codes H=HCL T= Thiosulfate N=HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other Special Instructions _____ _____ _____											
SAMPLE ID																							
Field Point Name	Matrix	Top Depth	Date (yyymmdd)	Sample Time	# of Containers	Container Type	TPH-DRO w/ SILICA GEL CLEANUP (97-602M) (NWTTPH-Dx w/ sec)	TPH-ORO w/ SILICA GEL CLEANUP (97-602M) (NWTTPH-Dx w/ sec)	TPH-HRO w/ SILICA GEL CLEANUP (97-602M) (NWTTPH-Dx w/ sec)	8260B FULL SCAN VOCS, EDC, TBAO, TAMEO, ED80, ETHANOL, BTEX, MTBEO	PAH's <input type="checkbox"/> CPAH's <input type="checkbox"/> 8270 SIM	TPH-G (NWTTPH-GX)	ALKALINITY 2320 <input type="checkbox"/>	DISSOLVED LEAD (6020)	TPH-D AND TPH-O BY (NWTTPH-DX)	RBDM VOCS (OREGON RISK BASED DECISION MAKING LIST)	SULFATE 300 <input type="checkbox"/> NITRATE 300 <input type="checkbox"/> FERROUS IRON SM20.3500 <input type="checkbox"/>	Notes/Comments					
MW-1	W	—	13115	0913	8	VOA, amber				X	X				X								
MW-2	W	—	↓	0756	↓	↓				X	X				X								
MW-3	W	—		1031			X	X			X												
MW-4	W	—		1156			X	X			X												
MW-5	W	—		0951			X	X			X												
MW-6	W	—		1118			X	X			X												
MW-7	W	—		1231			X	X			X												
MW-8	W	—		0829			X	X			X												
QA	T	—		0730			3	VOA				X	X										
Relinquished By _____ Company _____ Date/Time: <u>4/13/13</u>				Relinquished To _____ Company _____ Date/Time _____				Turnaround Time: Standard <input checked="" type="checkbox"/> 24 Hours <input type="checkbox"/> 48 hours <input type="checkbox"/> 72 Hours <input type="checkbox"/> Other <input type="checkbox"/>															
Relinquished By _____ Company _____ Date/Time _____				Relinquished To _____ Company _____ Date/Time _____				Sample Integrity: (Check by lab on arrival)															
Relinquished By _____ Company _____ Date/Time _____				Relinquished To _____ Company _____ Date/Time _____				Intact: _____ On Ice: _____ Temp: _____ COC # _____															

WELLHEAD INSPECTION FORM

Client: Chevron Site: 200 S. 56th St., Bellingham Date: 11/13/13
 Job #: 13113-RX1 Technician: R- Dupar Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Check Indicates deficiency										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)		
		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)
MW-1	X														
MW-2	X														
MW-3	X														
MW-4	X														
MW-5	X														
MW-6	X														
MW-7	X														
MW-8								X							

NOTES: _____

Blaine Tech Services, Inc.

Permit To Work for Chevron EMC Sites

Client: CHEVRON Date 11/10/13
Site Address: 200 S 36th St, Bellingham
Job Number: 13113-1001 Technician(s): per - 2 bugsad

Pre-Job Safety Review

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

On site Pre-Job Safety Review

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

Permit To Work Authority: [Signature] Name Title per Date 2/18/13 Time 1100

Attachment B:
Laboratory Analysis Report

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

December 03, 2013

Project: 351448

Submittal Date: 11/15/2013

Group Number: 1434390

PO Number: 0015131748

Release Number: SHRILL HOPKINS

State of Sample Origin: WA

<u>Client Sample Description</u>	<u>Lancaster Labs (LL) #</u>
MW-1 NA Water	7279420
MW-2 NA Water	7279421
MW-3 NA Water	7279422
MW-4 NA Water	7279423
MW-5 NA Water	7279424
MW-6 NA Water	7279425
MW-7 NA Water	7279426
MW-8 NA Water	7279427
QA NA Water	7279428

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

ELECTRONIC Blaine Tech Services

Attn: Alex Stack

COPY TO

ELECTRONIC Leidos

Attn: Ron Santos

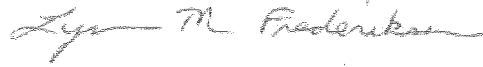
COPY TO

ELECTRONIC Leidos

Attn: Kinga Kozlowska

COPY TO

Respectfully Submitted,



Lynn M. Frederiksen
Principal Specialist Group Leader

(717) 556-7255

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

LL Sample # WW 7279420
LL Group # 1434390
Account # 11255

Project Name: 351448

Collected: 11/13/2013 09:13 by RD

Chevron

L4310

Submitted: 11/15/2013 09:30

6001 Bollinger Canyon Road

Reported: 12/03/2013 08:15

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.	250	30	1
08271	Heavy Range Organics C24-C40	n.a.	280	70	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	F133282AA	11/24/2013 20:27	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F133282AA	11/24/2013 20:27	Brett W Kenyon	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13324A07A	11/21/2013 17:27	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13324A07A	11/21/2013 17:27	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	133290033A	11/27/2013 16:41	Christine E Dolman	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	133290033A	11/26/2013 08:15	Kerrie A Freeburn	1

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

LL Sample # WW 7279421
LL Group # 1434390
Account # 11255

Project Name: 351448

Collected: 11/13/2013 07:56 by RD

Chevron

L4310

Submitted: 11/15/2013 09:30

6001 Bollinger Canyon Road

Reported: 12/03/2013 08:15

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.	30	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	70	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	F133282AA	11/24/2013 20:49	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F133282AA	11/24/2013 20:49	Brett W Kenyon	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13324A07A	11/21/2013 17:53	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13324A07A	11/21/2013 17:53	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	133290033A	11/27/2013 13:46	Christine E Dolman	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	133290033A	11/26/2013 08:15	Kerrie A Freeburn	1



Lancaster Laboratories
Environmental

Analysis Report

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

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

LL Sample # WW 7279422
LL Group # 1434390
Account # 11255

Project Name: 351448

Collected: 11/13/2013 10:31 by RD

Chevron

L4310

Submitted: 11/15/2013 09:30

6001 Bollinger Canyon Road

Reported: 12/03/2013 08:15

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.	54	31	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	73	1

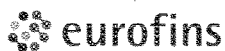
General Sample Comments

State of Washington Lab Certification No. C457

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	F133282AA	11/24/2013 19:00	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F133282AA	11/24/2013 19:00	Brett W Kenyon	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13324A07A	11/21/2013 20:29	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13324A07A	11/21/2013 20:29	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	133290033A	11/27/2013 15:14	Christine E Dolman	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	133290033A	11/26/2013 08:15	Kerrie A Freeburn	1



Analysis Report

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

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

LL Sample # WW 7279423
LL Group # 1434390
Account # 11255

Project Name: 351448

Collected: 11/13/2013 11:56 by RD

Chevron

L4310

Submitted: 11/15/2013 09:30

6001 Bollinger Canyon Road

Reported: 12/03/2013 08:15

San Ramon CA 94583

36B04

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

General Sample Comments

State of Washington Lab Certification No. C457

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	F133282AA	11/24/2013 21:32	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F133282AA	11/24/2013 21:32	Brett W Kenyon	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13324A07A	11/21/2013 20:55	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13324A07A	11/21/2013 20:55	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	133290033A	11/27/2013 14:08	Christine E Dolman	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	133290033A	11/26/2013 08:15	Kerrie A Freeburn	1



Lancaster Laboratories
Environmental

Analysis Report

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

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

LL Sample # WW 7279424
LL Group # 1434390
Account # 11255

Project Name: 351448

Collected: 11/13/2013 09:51 by RD

Chevron

L4310

Submitted: 11/15/2013 09:30

6001 Bollinger Canyon Road

Reported: 12/03/2013 08:15

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.	220	32	1
08271	Heavy Range Organics C24-C40	n.a.	250	75	1

General Sample Comments

State of Washington Lab Certification No. C457

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	F133282AA	11/24/2013 21:54	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F133282AA	11/24/2013 21:54	Brett W Kenyon	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13324A07A	11/21/2013 21:20	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13324A07A	11/21/2013 21:20	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	133290033A	11/27/2013 17:02	Christine E Dolman	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	133290033A	11/26/2013 08:15	Kerrie A Freeburn	1



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

LL Sample # WW 7279425
LL Group # 1434390
Account # 11255

Project Name: 351448

Collected: 11/13/2013 11:18 by RD

Chevron

L4310

Submitted: 11/15/2013 09:30

6001 Bollinger Canyon Road

Reported: 12/03/2013 08:15

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.	55	31	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	71	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	F133282AA	11/24/2013 22:16	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F133282AA	11/24/2013 22:16	Brett W Kenyon	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13324A07A	11/21/2013 21:45	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13324A07A	11/21/2013 21:45	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	133290033A	11/27/2013 15:35	Christine E Dolman	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	133290033A	11/26/2013 08:15	Kerrie A Freeburn	1



Lancaster Laboratories
Environmental

Analysis Report

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

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

LL Sample # WW 7279426
LL Group # 1434390
Account # 11255

Project Name: 351448

Collected: 11/13/2013 12:31 by RD

Chevron

L4310

Submitted: 11/15/2013 09:30

6001 Bollinger Canyon Road

Reported: 12/03/2013 08:15

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.	130	50	1
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	750	32	1
08271	Heavy Range Organics C24-C40	n.a.	220	74	1

General Sample Comments

State of Washington Lab Certification No. C457

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	F133282AA	11/24/2013 22:38	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F133282AA	11/24/2013 22:38	Brett W Kenyon	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13325A07A	11/22/2013 14:13	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13325A07A	11/22/2013 14:13	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	133290033A	11/27/2013 15:57	Christine E Dolman	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	133290033A	11/26/2013 08:15	Kerrie A Freeburn	1



Analysis Report

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

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

LL Sample # WW 7279427
LL Group # 1434390
Account # 11255

Project Name: 351448

Collected: 11/13/2013 08:29 by RD

Chevron
L4310

Submitted: 11/15/2013 09:30

6001 Bollinger Canyon Road

Reported: 12/03/2013 08:15

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					
10943	Benzene	71-43-2	0.8	ug/l 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					
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum ECY 97-602 NWTPH-Dx					
Hydrocarbons modified					
08271	Diesel Range Organics C12-C24	n.a.	41	31	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	72	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	F133282AA	11/24/2013 22:59	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F133282AA	11/24/2013 22:59	Brett W Kenyon	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13325A07A	11/22/2013 14:38	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13325A07A	11/22/2013 14:38	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	133290033A	11/27/2013 16:19	Christine E Dolman	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	133290033A	11/26/2013 08:15	Kerrie A Freeburn	1



Lancaster Laboratories
Environmental

Analysis Report

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

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

LL Sample # WW 7279428
LL Group # 1434390
Account # 11255

Project Name: 351448

Collected: 11/13/2013 07:30

Chevron

L4310

Submitted: 11/15/2013 09:30

6001 Bollinger Canyon Road

Reported: 12/03/2013 08:15

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	F133282AA	11/24/2013 18:38	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F133282AA	11/24/2013 18:38	Brett W Kenyon	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13325A07A	11/22/2013 11:16	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13325A07A	11/22/2013 11:16	Marie D Beamenderfer	1

Quality Control Summary

 Client Name: Chevron
 Reported: 12/03/13 at 08:15 AM

Group Number: 1434390

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

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

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: F133282AA	Sample number(s): 7279420-7279428							
Benzene	N.D.	0.5	ug/l	92		78-120		
Ethanol	N.D.	50.	ug/l	91		54-149		
Ethylbenzene	N.D.	0.5	ug/l	87		79-120		
Toluene	N.D.	0.5	ug/l	88		80-120		
Xylene (Total)	N.D.	0.5	ug/l	88		80-120		
Batch number: 13324A07A	Sample number(s): 7279420-7279425							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	94		75-135		
Batch number: 13325A07A	Sample number(s): 7279426-7279428							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	107		75-135		
Batch number: 133290033A	Sample number(s): 7279420-7279427							
Diesel Range Organics C12-C24	N.D.	30.	ug/l	73	70	50-113	4	20
Heavy Range Organics C24-C40	N.D.	70.	ug/l					

Sample Matrix Quality Control

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

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: F133282AA	Sample number(s): 7279420-7279428 UNSPK: 7279422								
Benzene	95	96	72-134	0	30				
Ethanol	94	93	53-146	1	30				
Ethylbenzene	93	92	71-134	1	30				
Toluene	93	92	80-125	0	30				
Xylene (Total)	94	92	79-125	2	30				
Batch number: 13324A07A	Sample number(s): 7279420-7279425 UNSPK: P279404								
NWTPH-Gx water C7-C12	107	107	75-135	0	30				
Batch number: 13325A07A	Sample number(s): 7279426-7279428 UNSPK: P279447								
NWTPH-Gx water C7-C12	123	111	75-135	4	30				

*- Outside of specification

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

Quality Control Summary

Client Name: Chevron
Reported: 12/03/13 at 08:15 AM

Group Number: 1434390

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: F133282AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7279420	103	100	98	94
7279421	103	100	98	95
7279422	105	97	97	96
7279423	102	98	99	95
7279424	102	97	99	96
7279425	102	99	98	95
7279426	104	102	99	96
7279427	102	100	99	97
7279428	106	101	98	96
Blank	104	101	99	96
LCS	103	102	98	96
MS	104	102	98	98
MSD	103	105	98	95
Limits:	80-116	77-113	80-113	78-113

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 13324A07A
Trifluorotoluene-F

7279420	97
7279421	99
7279422	94
7279423	89
7279424	89
7279425	88
Blank	95
LCS	97
MS	110
MSD	109
Limits:	63-135

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 13325A07A
Trifluorotoluene-F

7279426	102
7279427	99
7279428	95
Blank	96
LCS	113
MS	132
MSD	145*
Limits:	63-135

Analysis Name: NWTPH-Dx water
Batch number: 133290033A

*- 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 SummaryClient Name: Chevron
Reported: 12/03/13 at 08:15 AM

Group Number: 1434390

Surrogate Quality Control


	Orthoterphenyl
7279420	111
7279421	100
7279422	105
7279423	106
7279424	101
7279425	98
7279426	104
7279427	103
Blank	102
LCS	104
LCSD	98
<hr/>	
Limits:	50-150

*- Outside of specification

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

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

Chevron Site Number: 35-1448
 Program Designation: CMP
 Site Address (street, city, state / county): 200 S 36th St.
Bellingham, WA
 Chevron PM:
 Chevron PM Phone No.:
 Retail and Terminal Business Unit (RTBU) Job
 Construction/Retail Job

Chevron Consultant: SAIC
 Address: 18912 North Creek Parkway, Suite 101
Bothell, WA 98011
 Consultant Contact: Ron Santos
 Consultant Phone No. (208) 429-3772
 Consultant Project No. 13113 - RA1
 Sampling Company: Blaine Tech Services
 Sampled By (Print): Riley Dupuy
 Sampler Signature: 

ANALYSES REQUIRED									
Preservation Codes									
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
H=HCL T= Thiosulfate N=HNO ₃ B= NaOH S= H ₂ SO ₄ O= Other acct # 11255 Cp # 1434390 Sample # 7279420-28									

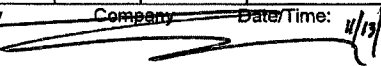
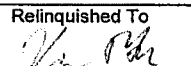
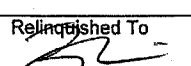
Charge Code: NWRTB 00SITE NUMBER-0- OML
WBS ELEMENTS:
 SITE ASSESSMENT: A1L REMEDIATION IMPLEMENTATION: R5L
 SITE MONITORING: OML OPERATION MAINTENANCE & MONITORING: M1L

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
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

TPH-DRO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-DX w/ sec)	TPH-ORO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-DX w/ sec)	TPH-HRO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-DX w/ sec)	82608 FULL SCAN VOCs <input type="checkbox"/> EDCC <input type="checkbox"/> TBA <input type="checkbox"/> TAME <input type="checkbox"/> ED80 <input type="checkbox"/> ETHANOL <input checked="" type="checkbox"/> BTEX <input checked="" type="checkbox"/> MTBE <input type="checkbox"/>	PAH's <input type="checkbox"/> CPAH's <input type="checkbox"/> 8270 SIM	TPH-G (NWTPH-GX)	ALKALINITY 2320 <input type="checkbox"/>	DISSOLVED LEAD (6020)	TPH-D AND TPH-O BY (NWTPH-DX)	RBDM VOCs (OREGON RISK BASED DECISION MAKING LIST)	SULFATE 300 <input type="checkbox"/> NITRATE 300 <input type="checkbox"/> FERROUS IRON SM20.3500 <input type="checkbox"/>
Special Instructions										

SAMPLE ID				Sample Time	# of Containers	Container Type	ANALYSES REQUIRED										Notes/Comments	
Field Point Name	Matrix	Top Depth	Date (yymmdd)				TPH-DRO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-DX w/ sec)	TPH-ORO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-DX w/ sec)	TPH-HRO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-DX w/ sec)	82608 FULL SCAN VOCs <input type="checkbox"/> EDCC <input type="checkbox"/> TBA <input type="checkbox"/> TAME <input type="checkbox"/> ED80 <input type="checkbox"/> ETHANOL <input checked="" type="checkbox"/> BTEX <input checked="" type="checkbox"/> MTBE <input type="checkbox"/>	PAH's <input type="checkbox"/> CPAH's <input type="checkbox"/> 8270 SIM	TPH-G (NWTPH-GX)	ALKALINITY 2320 <input type="checkbox"/>	DISSOLVED LEAD (6020)	TPH-D AND TPH-O BY (NWTPH-DX)	RBDM VOCs (OREGON RISK BASED DECISION MAKING LIST)		SULFATE 300 <input type="checkbox"/> NITRATE 300 <input type="checkbox"/> FERROUS IRON SM20.3500 <input type="checkbox"/>
MW-1	W	—	131113	0913	8	VOA, amber				X	X							
MW-2	W	—	↓	0756	↓	↓				X	X							
MW-3	W	—		1031						X	X		X					
MW-4	W	—		1156						X	X		X					
MW-5	W	—		0951						X	X		X					
MW-6	W	—		1118						X	X		X					
MW-7	W	—		1231						X	X		X					
MW-8	W	—		0829						X	X		X					
QA	T	—		0730			0730	3	VOA				X					

Relinquished By:  Company: _____ Date/Time: <u>11/13/13</u>	Relinquished To:  Company: <u>LLI</u> Date/Time: <u>11/14/13 16:00</u>	Turnaround Time: Standard <input checked="" type="checkbox"/> 24 Hours <input type="checkbox"/> 48 hours <input type="checkbox"/> 72 Hours <input type="checkbox"/> Other <input type="checkbox"/>
Relinquished By: _____ Company: _____ Date/Time: _____	Relinquished To: _____ Company: _____ Date/Time: _____	Sample Integrity: (Check by lab on arrival)
Relinquished By: _____ Company: _____ Date/Time: _____	Relinquished To:  Company: <u>ELLE</u> Date/Time: <u>11/15/13 9:30</u>	Intact: <input checked="" type="checkbox"/> On Ice: <input checked="" type="checkbox"/> Temp: <u>0.7-0.9</u> COC # _____

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 <u>limit of quantitation</u> , 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 \geq 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 \geq 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.

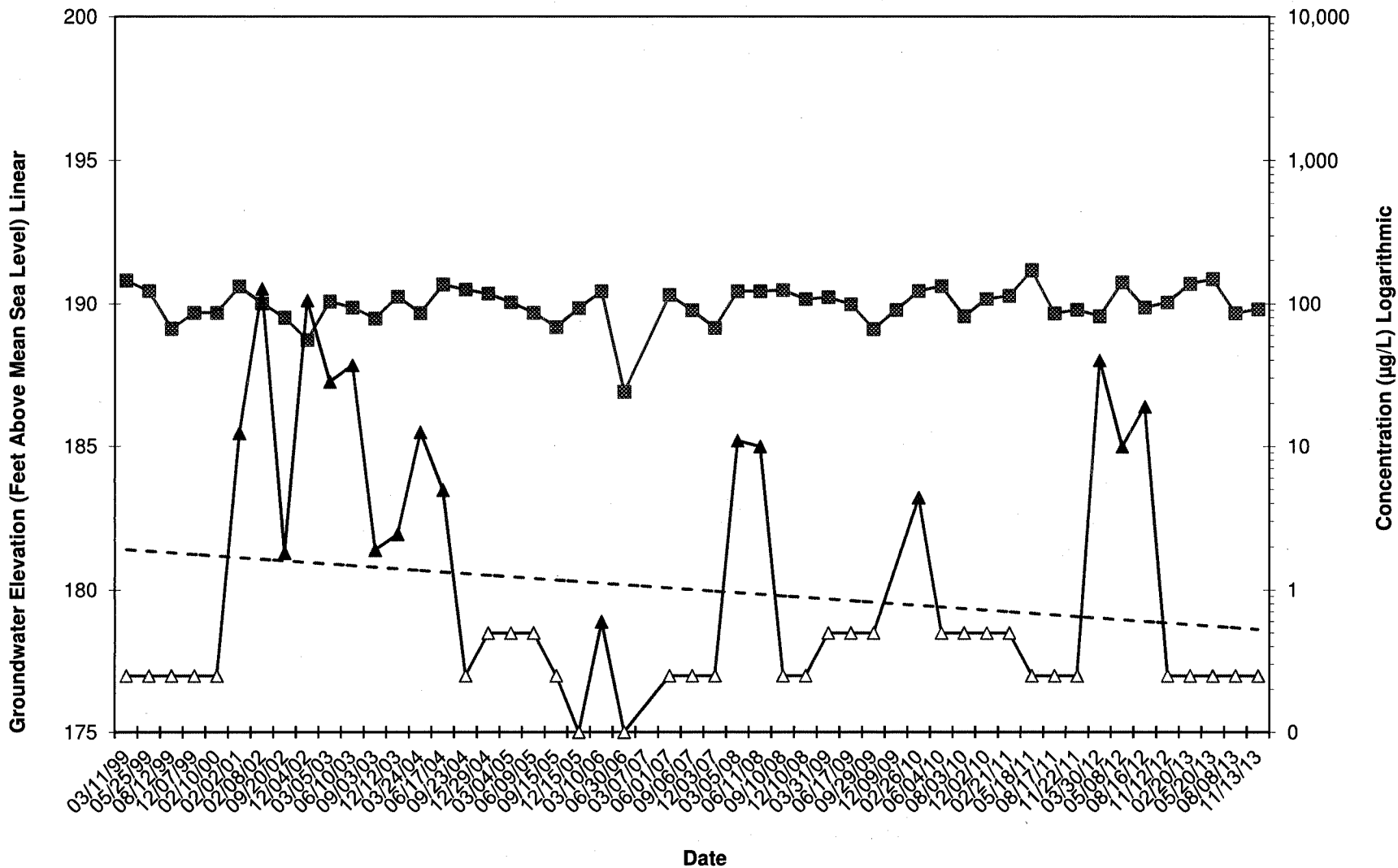
Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have 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.

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

**Attachment C:
Hydrographs**

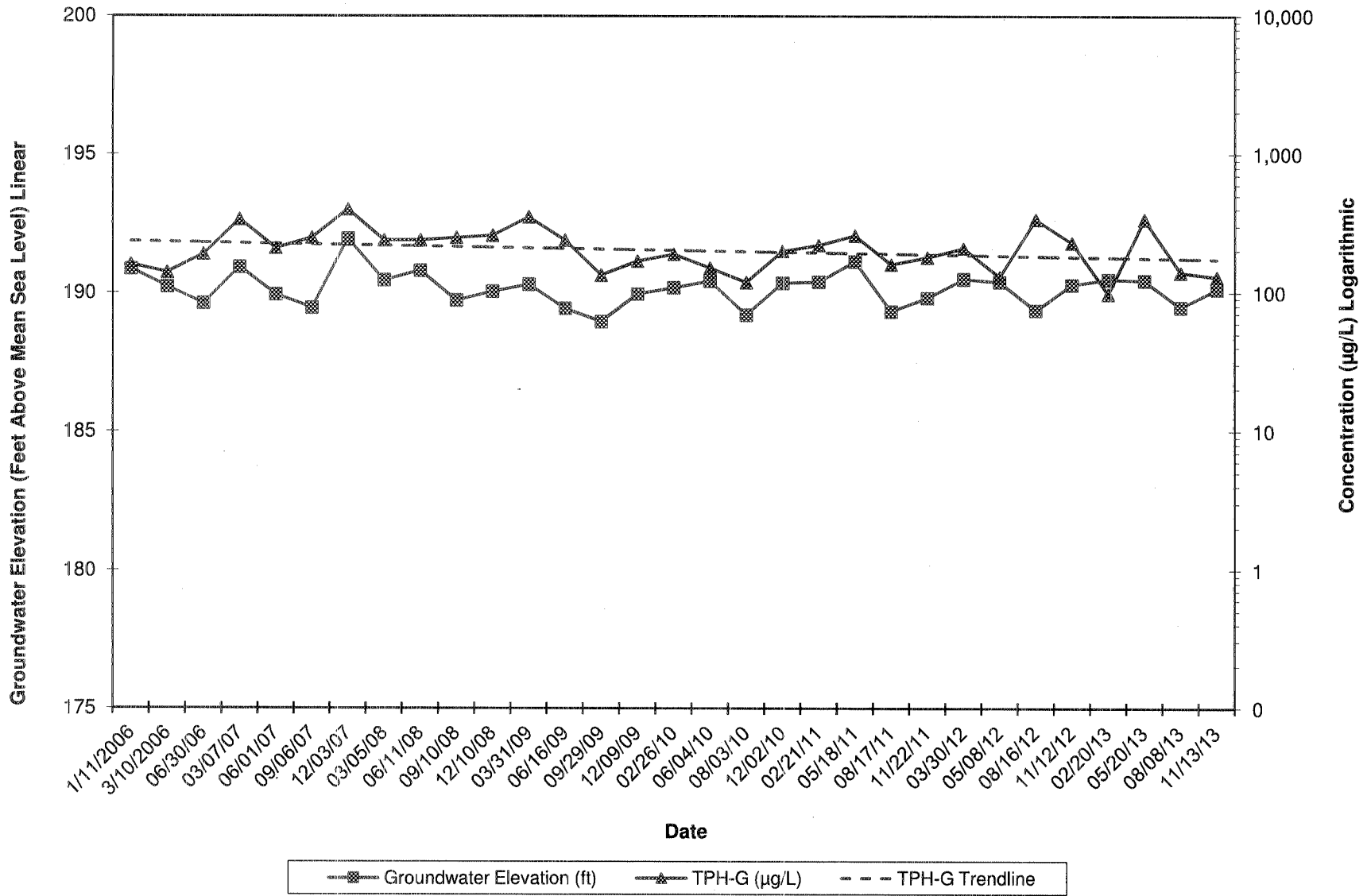
**Well MW-1
Hydrograph - Benzene
76 Products Facility No. 351448
200 South 36th Street, Bellingham, Washington**



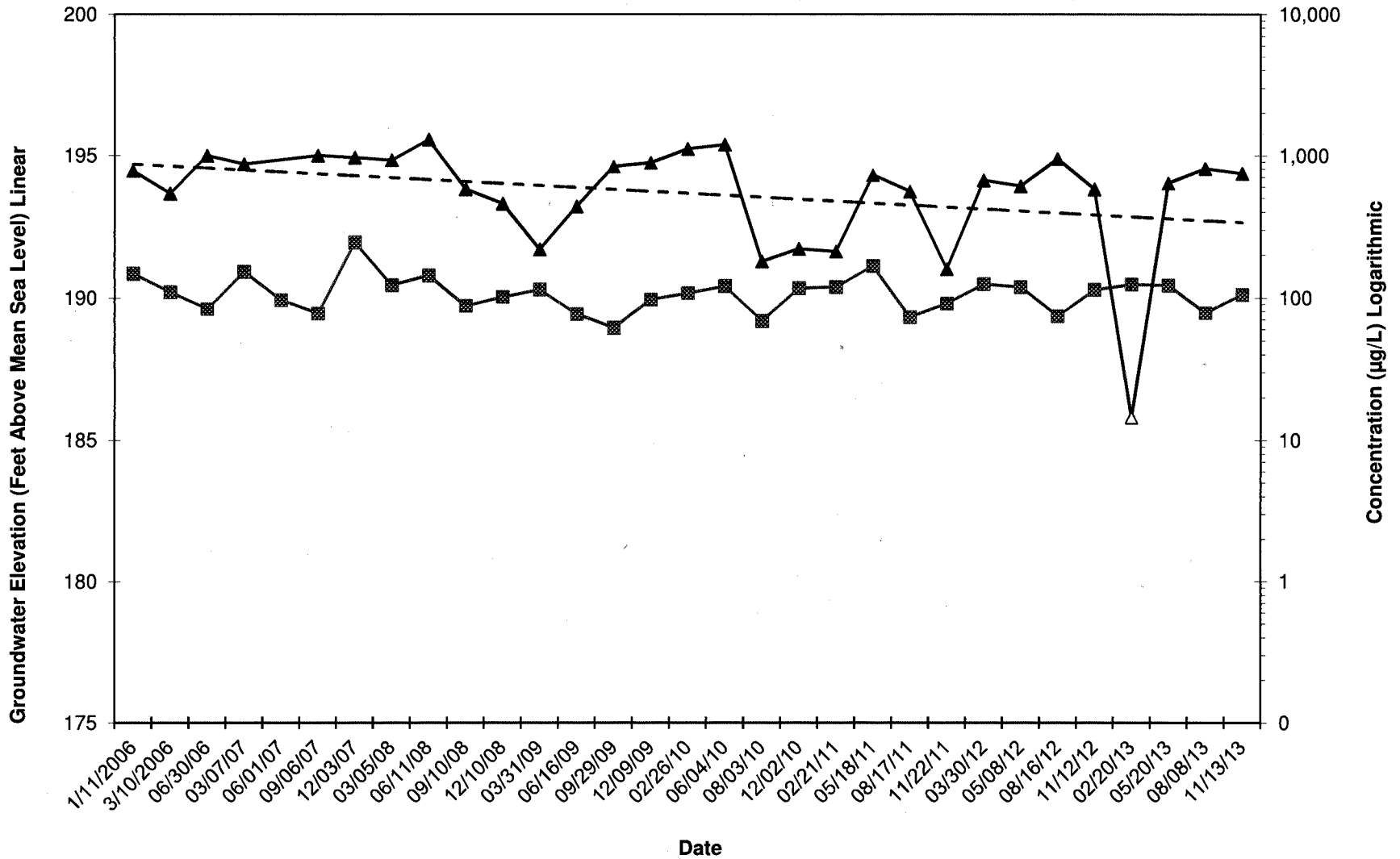
Groundwater Elevation (ft)
 Benzene (µg/L)
 Benzene = ND
 Benzene Trendline



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



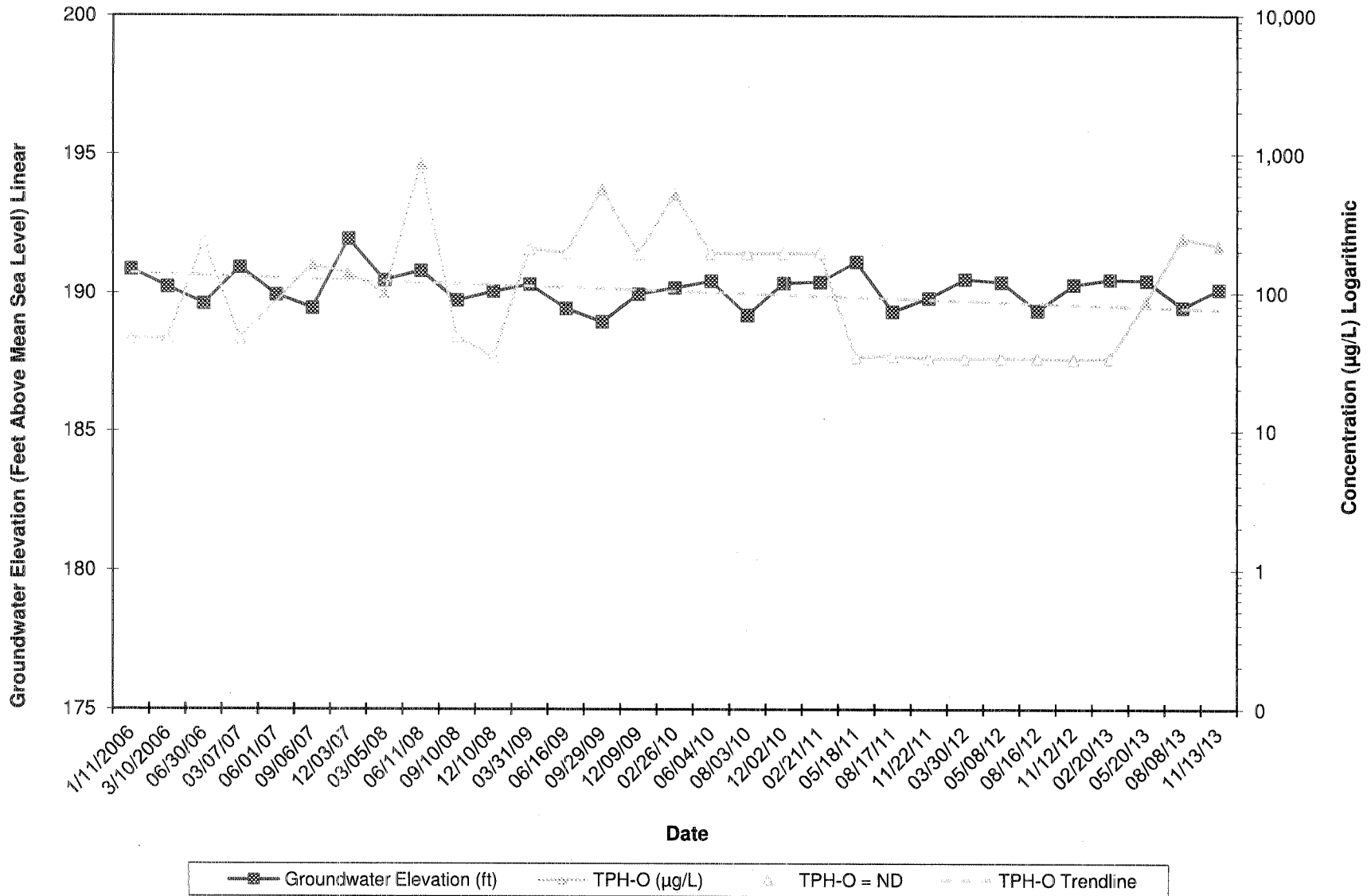
Well MW-7
Hydrograph - Diesel-Range Hydrocarbons
76 Products Facility No. 351448
200 South 36th Street, Bellingham, Washington



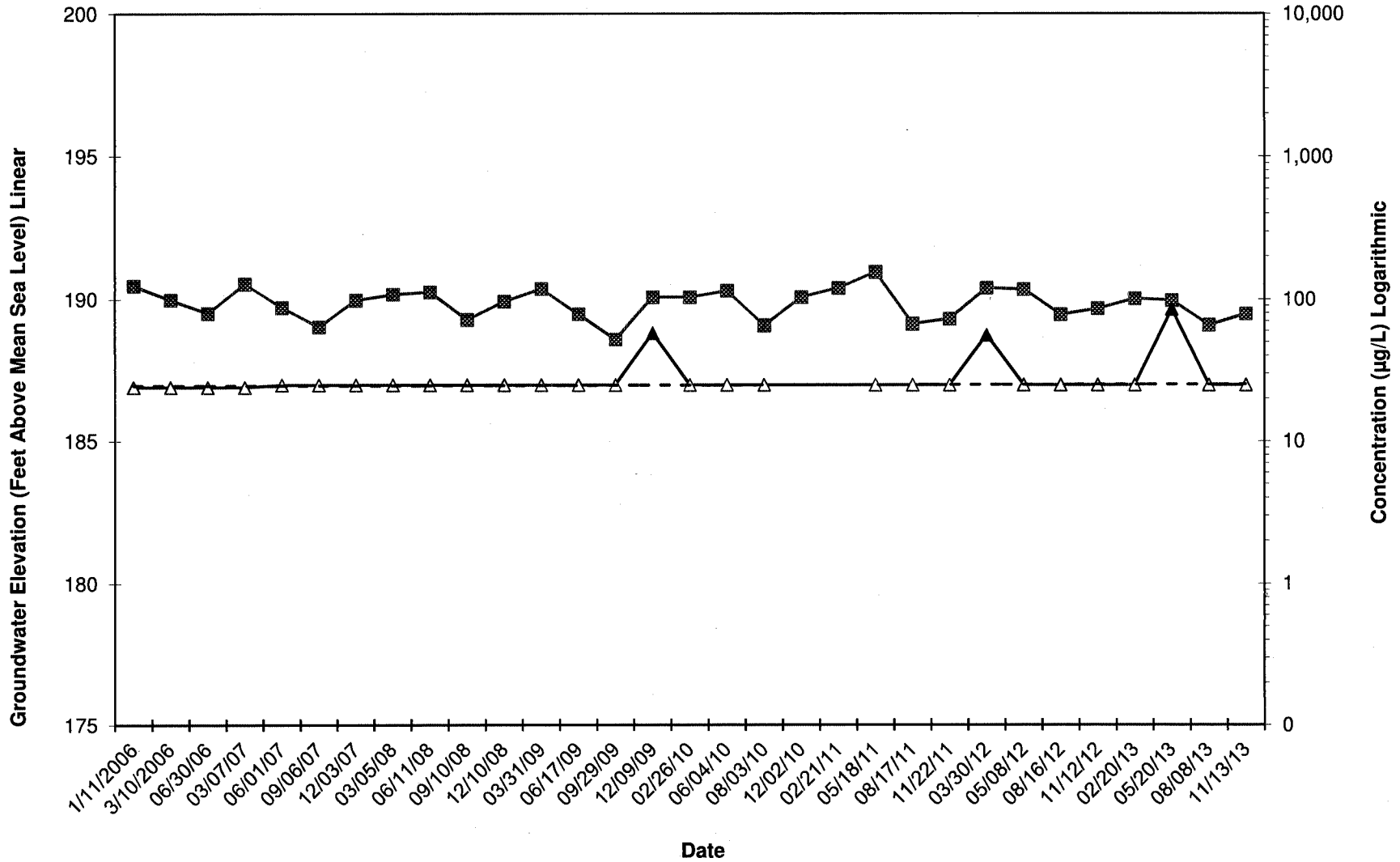
Groundwater Elevation (ft)
 TPH-D (µg/L)
 TPH-D = ND
 TPH-D Trendline



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



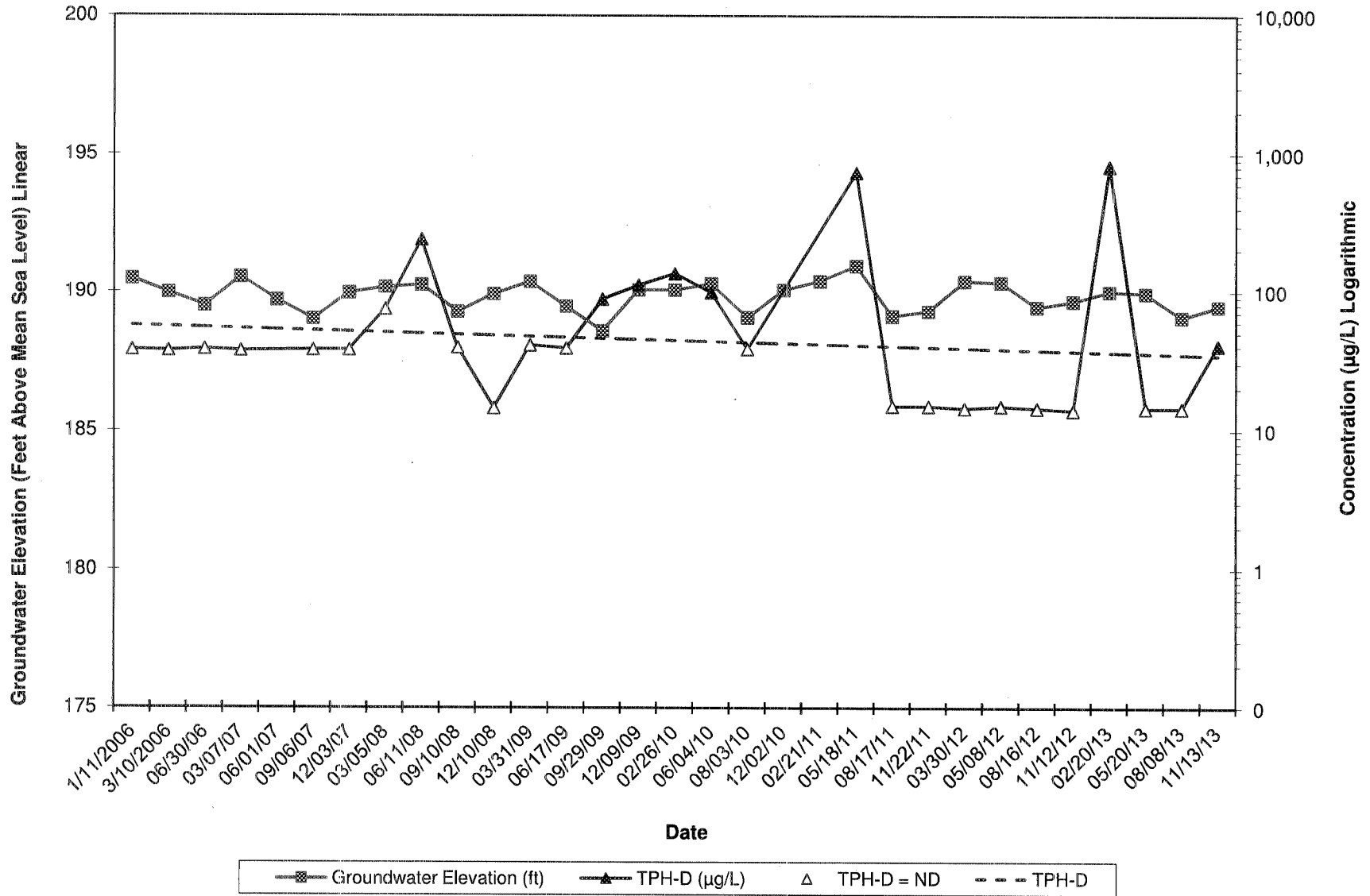
Well MW-8
Hydrograph - Gasoline-Range Hydrocarbons
76 Products Facility No. 351448
200 South 36th Street, Bellingham, Washington



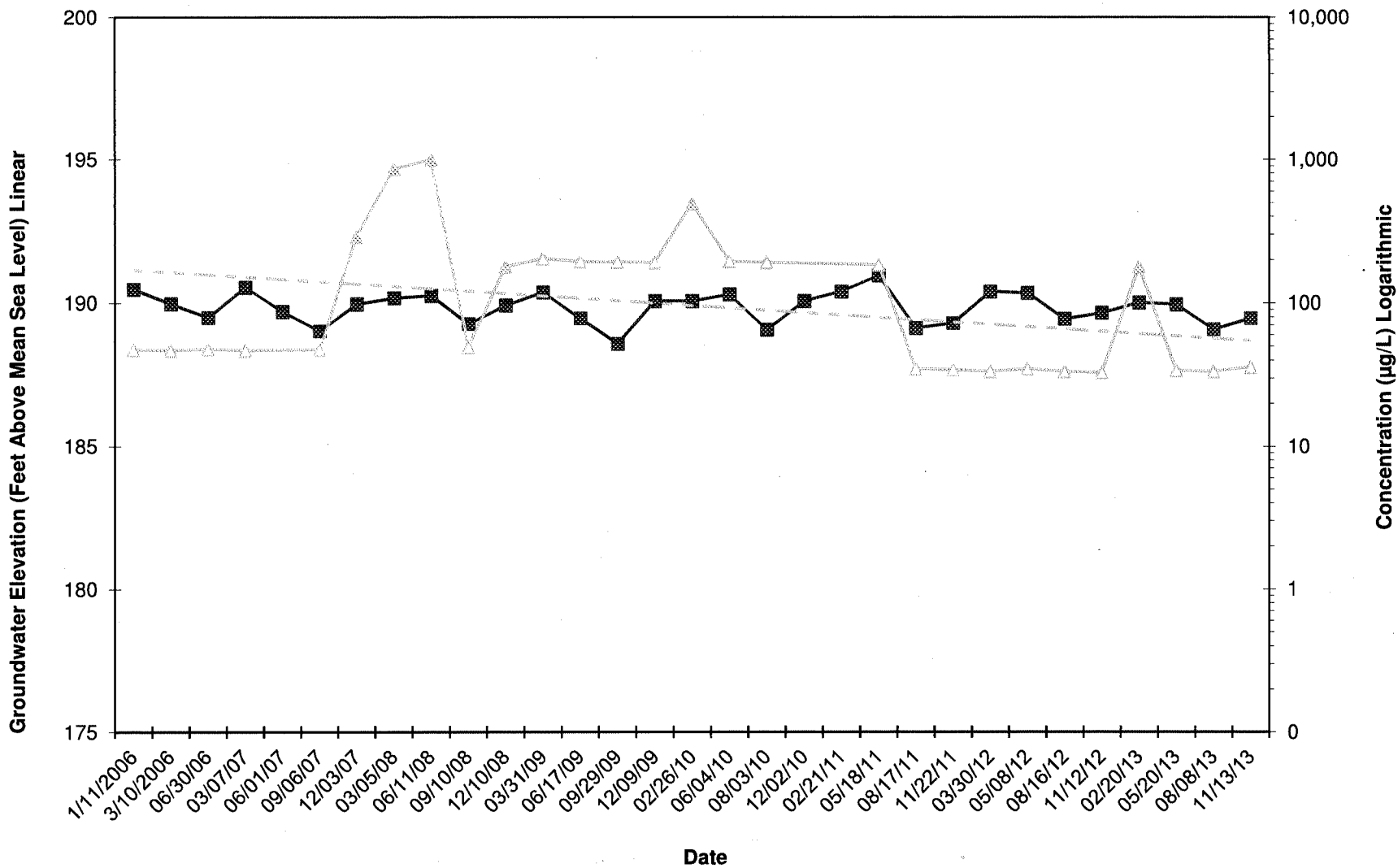
Groundwater Elevation (ft)
 TPH-G (µg/L)
 TPH-G = ND
 TPH-G Trendline



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



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



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



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

