Starvin' Sams/Tosco 6380 Bellingham LUST 471259

SAIC

September 25, 2013

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

Subject: **Third 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, for itself and as Attorney-in-Fact for Union Oil Company of California (EMC), SAIC Energy, Environment & Infrastructure, LLC (SAIC) submits this Groundwater Monitoring and Sampling Report for the above-referenced site (Figure 1). Quarterly groundwater monitoring and sampling activities were conducted by Blaine Tech Services, Inc. (Blaine Tech) on August 8, 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 189.01 (MW-2) to 190.34 (MW-5) feet above mean sea level. Groundwater flow is to the northwest at a gradient of approximately 0.01 feet per foot; however, a southerly gradient exists in the southeast portion of the property with a gradient of approximately 0.03 feet per foot. A potentiometric map is shown on Figure 1.

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

Groundwater samples were submitted for the following analyses:

- Total petroleum hydrocarbons (TPH) as gasoline-range organics by Northwest Method NWTPH-Gx;

SAIC Energy, Environment & Infrastructure, LLC
405 S 8th Street | Suite 301 | Boise, ID 83702 | tel: (208) 344-5001 | fax: (208) 344-5123 | saic.com\eeandi

- TPH as diesel-range organics (TPH-D) and TPH as heavy oil-range organics by Northwest Method NWTPH-Dx; and
- Benzene, toluene, ethylbenzene, total xylenes, and ethanol by United States Environmental Protection Agency (USEPA) Method 8260B.

Laboratory analytical results are included as Attachment B, and groundwater analytical and field results are provided in Tables 1 and 2 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 third quarter 2013 sampling event indicate that petroleum-hydrocarbon constituent concentrations are generally consistent with respect to historical downward trending data. In addition, the groundwater elevation, flow direction, and gradient are consistent with historical measurements. Below is a summary of analytical results.

- TPH-D concentration in monitoring well MW-7 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.

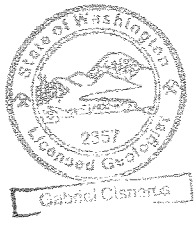
If you have any questions or comments, please contact me at (208) 429-3772 or via email at ronald.santos@saic.com.

Sincerely,

SAIC Energy, Environment & Infrastructure, LLC

Ron Santos, PE
Senior Project Engineer

Gabriel Cisneros LG #2357
Geologist



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

cc: Mr. J. Mark Inglis – Union Oil of California

SYB Holding Company Inc. – Property Owner

Mr. Sam Boulos – Keith Oil Company (electronic copy)

Project File

REPORT LIMITATIONS

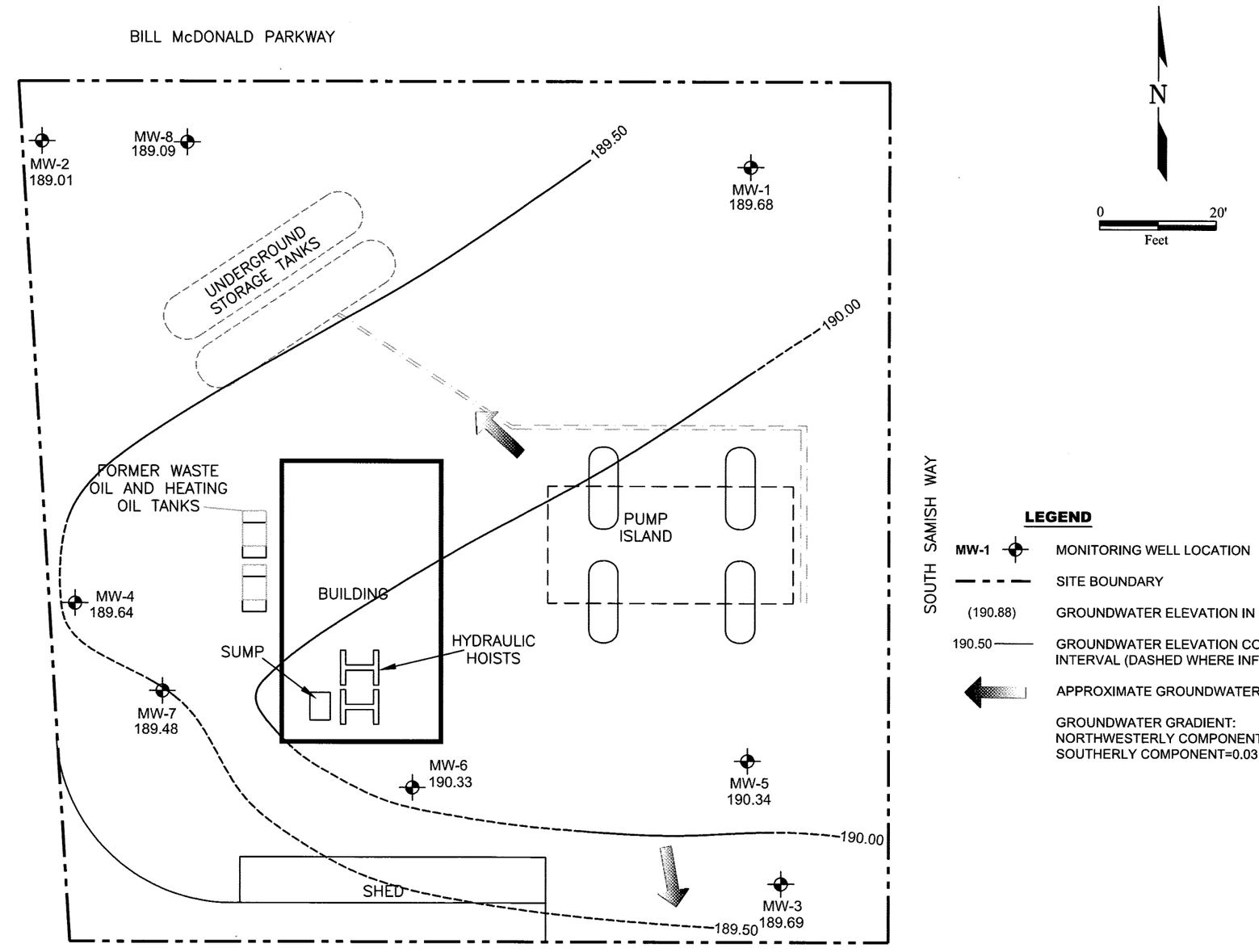
This technical document was prepared on behalf of CEMC and is intended for its sole use and for use by the local, state or federal regulatory agency that the technical document was sent to by SAIC. Any other person or entity obtaining, using, or relying on this technical document hereby acknowledges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

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

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

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

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



SOUTH SAMISH WAY

LEGEND

MW-1 ⊕	MONITORING WELL LOCATION
— — —	SITE BOUNDARY
(190.88)	GROUNDWATER ELEVATION IN FEET
190.50 ——	GROUNDWATER ELEVATION CONTOUR AT A 0.50 INTERVAL (DASHED WHERE INFERRED)
⟵	APPROXIMATE GROUNDWATER FLOW DIRECTION

GROUNDWATER GRADIENT:
NORTHWESTERLY COMPONENT=0.01 FT/FT
SOUTHERLY COMPONENT=0.03 FT/FT

SAIC

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

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

FIGURE 1
Potentiometric Map
August 8, 2013

DATE: 9/4/2013 | DRAWING: 351448 Site Map.dwg

MW-8	11/12/12	2/20/13	5/20/13	8/8/13
TPH-G	<50	<50	85	<50
TPH-D	<28	**820**	<29	<29
TPH-O	<66	180	<68	<67
B	<0.5	<0.5	**6**	3
T	<0.5	<0.5	<0.5	<0.5
E	<0.5	<0.5	<0.5	<0.5
X	<0.5	<0.5	<0.5	<0.5

MW-2	11/12/12	2/20/13	5/20/13	8/8/13
TPH-G	<50	<50	<50	<50
TPH-D	<28	<28	<31	<28
TPH-O	<66	<66	<72	<66
B	<0.5	<0.5	<0.5	<0.5
T	<0.5	<0.5	<0.5	<0.5
E	<0.5	<0.5	<0.5	<0.5
X	<0.5	<0.5	<0.5	<0.5

MW-4	11/12/12	2/20/13	5/20/13	8/8/13
TPH-G	<50	<50	<50	<50
TPH-D	<28	<29	<28	40
TPH-O	<66	<67	<66	<67
B	<0.5	<0.5	<0.5	<0.5
T	<0.5	<0.5	<0.5	<0.5
E	<0.5	<0.5	<0.5	<0.5
X	<0.5	<0.5	<0.5	<0.5

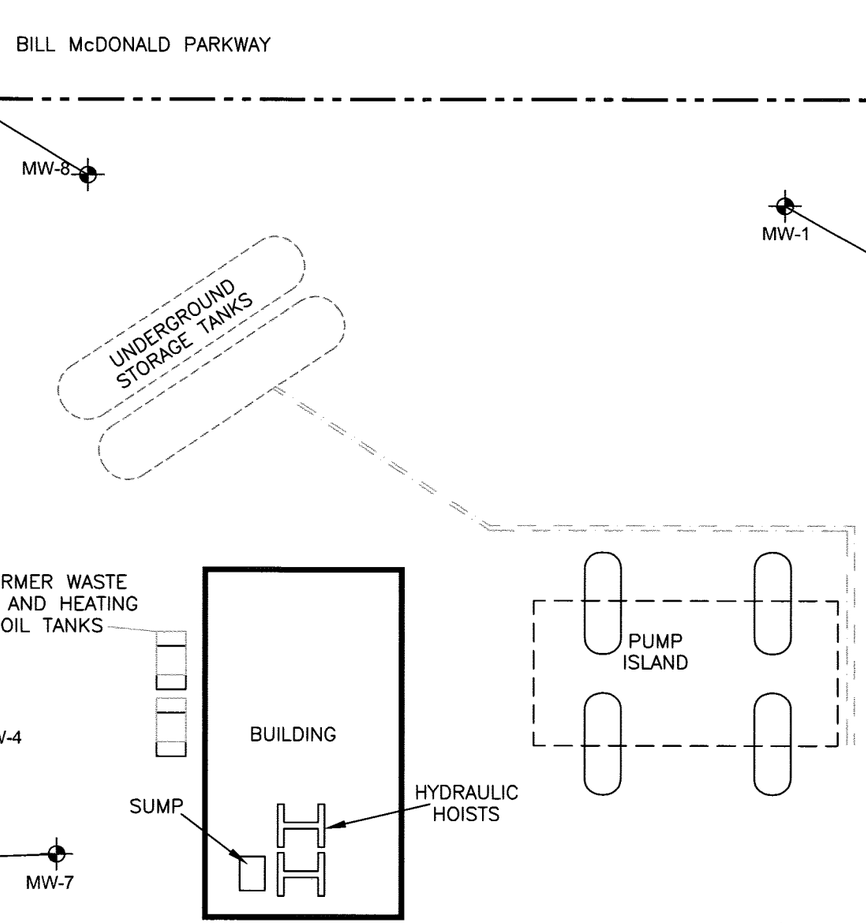
MW-7	11/12/12	2/20/13	5/20/13	8/8/13
TPH-G	230	98	340	140
TPH-D	**580**	<29	**640**	**810**
TPH-O	<66	<67	87	250
B	<0.5	<0.5	<0.5	<0.5
T	<0.5	<0.5	<0.5	<0.5
E	<0.5	<0.5	<0.5	<0.5
X	<0.5	<0.5	<0.5	<0.5

MW-6	11/12/12	2/20/13	5/20/13	8/8/13
TPH-G	<50	<50	<50	<50
TPH-D	<29	46	<29	<28
TPH-O	<67	<66	<67	<66
B	<0.5	<0.5	<0.5	<0.5
T	<0.5	<0.5	<0.5	<0.5
E	<0.5	<0.5	<0.5	<0.5
X	<0.5	<0.5	<0.5	<0.5

MW-1	11/12/12	2/20/13	5/20/13	8/8/13
TPH-G	<50	<50	<50	<50
TPH-D	45	200	61	56
TPH-O	<66	210	110	<67
B	<0.5	<0.5	<0.5	<0.5
T	<0.5	<0.5	<0.5	<0.5
E	<0.5	<0.5	<0.5	<0.5
X	<0.5	<0.5	<0.5	<0.5

MW-5	11/12/12	2/20/13	5/20/13	8/8/13
TPH-G	<50	<50	<50	<50
TPH-D	30	160	47	46
TPH-O	<66	180	<67	<67
B	<0.5	<0.5	<0.5	<0.5
T	<0.5	<0.5	<0.5	<0.5
E	<0.5	<0.5	<0.5	<0.5
X	<0.5	<0.5	<0.5	<0.5

MW-3	11/12/12	2/20/13	5/20/13	8/8/13
TPH-G	<50	<50	<50	<50
TPH-D	<29	68	87	42
TPH-O	<67	<66	120	<67
B	<0.5	<0.5	<0.5	<0.5
T	<0.5	<0.5	<0.5	<0.5
E	<0.5	<0.5	<0.5	<0.5
X	<0.5	<0.5	<0.5	<0.5



N

0 20'
Feet

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

SAIC

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

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

FIGURE 2
Site Plan with Groundwater Analytical Results (August 8, 2013)

DATE: 9/4/2013 | DRAWING: 351448 Site Map.dwg

Attachment A:
Groundwater Monitoring and Sampling Data Package

WELL GAUGING DATA

Project # B0808-L81 Date 8/8/13 Client CHEVRON

Site 200 S 36TH ST, BELLINGHAM, WA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	0728	2					6.11	22.63		
MW-2	0739	2					9.02	20.58		
MW-3	0716	2					5.50	20.92		
MW-4	0734	2					7.13	20.32		
MW-5	0724	2					4.66	13.55		
MW-6	0710	2					6.19	13.73		
MW-7	0740	2					7.45	17.98		
MW-8	0735	2					8.39	17.51		

LOW FLOW WELL MONITORING DATA SHEET

Project #: 130838-LB1	Client: CHEVRON
Sampler: LB	Gauging Date: 8/8/13
Well I.D.: MW-1	Well Diameter (in.): (2) 3 4 6 8
Total Well Depth (ft.): 22.63	Depth to Water (ft.): 6.11
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 556

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

Start Purge Time: 0946 Flow Rate: 200 mL/MIN Pump Depth: 14.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0949	17.32	6.45	660	11	1.63	41.5	600	6.14
0952	17.31	6.45	661	9	1.59	40.3	1200	6.16
0955	17.30	6.47	665	8	1.58	37.1	1800	6.18
0958	17.31	6.47	665	8	1.56	36.3	2400	6.21
1001	17.32	6.46	666	7	1.55	35.4	3000	6.23
~~1004~~								

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

Sampling Time: 1002 Sampling Date: 8/8/13

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

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

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 130808-2B1	Client: CHEVRON
Sampler: LB	Gauging Date: 8/8/13
Well I.D.: MW-2	Well Diameter (in.): (2) 3 4 6 8
Total Well Depth (ft.): 20.58	Depth to Water (ft.): 9.02
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

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

Start Purge Time: 1056 Flow Rate: 200 mL/min Pump Depth: 15'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or (µS/cm))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
1059	16.93	6.58	434	10	1.74	48.9	600	9.08
1102	16.82	6.57	439	9	1.65	44.1	1200	9.11
1105	16.83	6.56	441	9	1.63	42.7	1800	9.13
1108	16.84	6.55	443	10	1.61	41.4	2400	9.15
1111	16.83	6.54	445	10	1.60	40.7	3000	9.18

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

Sampling Time: 1112 Sampling Date: 8/8/13

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

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

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 130808-LB1	Client: CHEVRON
Sampler: LB	Gauging Date: 8/8/13
Well I.D.: MW-3	Well Diameter (in.): (2) 3 4 6 8
Total Well Depth (ft.): 20.92	Depth to Water (ft.): 5.50
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated (Tubing) New Tubing Other

Start Purge Time: 0835 Flow Rate: 200 mL/MIN Pump Depth: 13.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0838	15.86	6.64	628	9	1.78	59.5	600	5.55
0841	15.81	6.64	628	8	1.75	53.3	1200	5.58
0844	15.80	6.64	632	8	1.74	51.9	1800	5.60
0847	15.81	6.63	633	7	1.73	50.4	2400	5.62
0850	15.82	6.63	635	6	1.72	49.2	3000	5.65

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

Sampling Time: 0851 Sampling Date: 8/8/13

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

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

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 130808-L81	Client: CHEVRON
Sampler: LB	Gauging Date: 8/8/13
Well I.D.: MW-4	Well Diameter (in.): (2) 3 4 6 8
Total Well Depth (ft.): 20.32	Depth to Water (ft.): 7.13
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 650

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

Start Purge Time: 1132 Flow Rate: 200 mL/min Pump Depth: 14'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1135	16.25	6.40	502	13	1.54	42.9	600	7.16
1138	16.25	6.42	506	10	1.52	35.4	1200	7.19
1141	16.27	6.41	510	11	1.48	34.7	1800	7.21
1144	16.28	6.42	511	10	1.47	33.2	2400	7.23
1147	16.29	6.43	512	9	1.46	32.6	3000	7.26

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

Sampling Time: 1148 Sampling Date: 8/8/13

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

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

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 130808-LB1	Client: CHEVRON
Sampler: LB	Gauging Date: 8/8/13
Well I.D.: MW-5	Well Diameter (in.): (2) 3 4 6 8
Total Well Depth (ft.): 13.55	Depth to Water (ft.): 4.66
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 556

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

Start Purge Time: 0910 Flow Rate: 200 mL/MIN Pump Depth: 9.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0913	18.59	6.45	903	13	1.39	38.7	600	4.69
0916	18.69	6.45	919	11	1.37	33.5	1200	4.71
0919	18.71	6.47	922	10	1.33	31.0	1800	4.74
0922	18.73	6.48	920	9	1.31	30.4	2400	4.76
0925	18.74	6.49	919	9	1.30	29.8	3000	4.79

Did well dewater? Yes (NO)	Amount actually evacuated: 3 L
Sampling Time: 0926	Sampling Date: 8/8/13
Sample I.D.: MW-5	Laboratory: LANCASTER
Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D)	Other: SEE COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 130805-LB1	Client: CHEVRON
Sampler: LB	Gauging Date: 8/8/13
Well I.D.: MW-6	Well Diameter (in.): (2) 3 4 6 8
Total Well Depth (ft.): 13.73	Depth to Water (ft.): 6.19
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 556

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

Start Purge Time: 0751 Flow Rate: 200 mL/MIN Pump Depth: 10.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0754	16.11	6.59	626	10	1.12	30.9	600	6.23
0757	16.20	6.59	630	9	1.07	26.1	1200	6.25
0800	16.23	6.60	631	8	1.06	25.8	1800	6.6626
0803	16.24	6.60	633	8	1.05	24.4	2400	6.29
0806	16.25	6.61	634	7	1.04	23.6	3000	6.31

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

Sampling Time: 0807 Sampling Date: 8/8/13

Sample I.D.: MW-6 Laboratory: LANCASTER

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

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 130808-LB1	Client: CHEVRON
Sampler: LB	Gauging Date: 8/8/13
Well I.D.: MW-7	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 17.98	Depth to Water (ft.): 7.45
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

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

Start Purge Time: 1206 Flow Rate: 200 mL/MIN Pump Depth: 13'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or (µS/cm))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
1209	19.15	6.61	505	11	0.93	-43.4	600	7.49
1212	19.07	6.61	510	10	0.89	-47.2	1200	7.51
1215	19.06	6.62	510	9	0.88	-49.6	1800	7.54
1218	19.05	6.61	509	9	0.87	-50.3	2400	7.55
1221	19.04	6.61	508	8	0.86	-51.1	3000	7.56

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

Sampling Time: 1222 Sampling Date: 8/8/13

Sample I.D.: MW-7 Laboratory: LANCASTER

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

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 130803-LB1	Client: CHEVRON
Sampler: LB	Gauging Date: 8/8/13
Well I.D.: MW-8	Well Diameter (in.): (2) 3 4 6 8
Total Well Depth (ft.): 17.57	Depth to Water (ft.): 8.39
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic) Pump Bladder Pump
Sampling Method: Dedicated (Tubing) New Tubing Other

Start Purge Time: 1022 Flow Rate: 200 mL/MIN Pump Depth: 13'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
1025	18.91	6.70	682	10	1.69	46.1	600	8.43
1028	18.91	6.68	696	9	1.56	39.3	1200	8.46
1031	18.90	6.68	700	9	1.55	38.1	1800	8.48
1034	18.89	6.67	701	8	1.54	37.7	2400	8.51
1037	18.87	6.65	703	7	1.53	36.4	3000	8.53

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

Sampling Time: 1038 Sampling Date: 8/8/13

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

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

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

CHAIN OF CUSTODY FORM

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

Chevron Site Number: 35-1448

Program Designation: CMP

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

Chevron PM:

Chevron PM Phone No.:

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

Chevron Consultant: SAIC

Address: 405 S 8th St. Suite 301, Boise ID

Consultant Contact: Ron Santos

Consultant Phone No. (208) 429-3772

Consultant Project No. 130808-LB1

Sampling Company: Blaine Tech Services

Sampled By (Print): LEE BURES

Sampler Signature:

Charge Code:
NWRTB 00SITE NUMBER-0- OML

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

Lancaster Laboratories
☒ Lancaster, PA
Lab Contact: Megan Moeller
2425 New Holland Pike, Lancaster, PA 17601
Phone No: (717)656-2300

Other Lab

Temp. Blank Check: Time / Temp.

SAMPLE ID

Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	# of Containers	Container Type
MW-1	GW	—	130808	1002	8	VOA, AMBER
MW-2	GW	—	130808	1112		
MW-3	GW	—	130808	0951		
MW-4	GW	—	130808	1148		
MW-5	GW	—	130808	0986		
MW-6	GW	—	130808	0807		
MW-7	GW	—	130808	1222		
MW-8	GW	—	130808	1038		
QA	GW	—	130808	0700	3	VOA

ANALYSES REQUIRED

TPH-DRO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-Dx w/ scc)	TPH-ORO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-Dx w/ scc)	TPH-HRO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-Dx w/ scc)	H: 8260B FULL LIST☐ EDC☐ TBA☐ TAME☐ EDB☐ ETHANOL☐ BTEX☐ MTBE☐	P: PAH's☐ cPAH's☐ 8270 SIM	P: TPH-G (NWTPH-Gx)	TOTAL LEAD (6020)	DISSOLVED LEAD (6020)	F: TPH-D AND TPH-O BY (NWTPH-Dx)	Preservation Codes	Special Instructions	Notes/Comments
			X		X			X			
			X		X			X			
			X		X			X			
			X		X			X			
			X		X			X			
			X		X			X			
			X		X			X			
			X		X			X			
			X		X			X			

H = HCL T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

Relinquished By	Company	Date/Time:
		8/5/13
Relinquished By	Company	Date/Time
Relinquished By	Company	Date/Time

Relinquished To	Company	Date/Time
SHIPPED	VIA FED EX	
Relinquished To	Company	Date/Time
Relinquished To	Company	Date/Time

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

Sample Integrity: (Check by lab on arrival)
Intact: On Ice: Temp:
COC #

COC Revision Seattle.doc, 01/17/13

WELLHEAD INSPECTION FORM

Client: CHEVRON Site: 200 S. 36TH ST, BELLINGHAM, WA Date: 8/8/13

Job #: 380081-LB1 Technician: L. BURES Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Check indicates deficiency: Cap non-functional	Lock non-functional	Lock missing	Bolts missing (list qty)	Tabs stripped (list qty)	Tabs broken (list qty)	Annular seal incomplete	Apron damaged	Rim / Lid broken	Trip Hazard	Below Grade	Other (explain in notes)	Well Not Inspected (explain in notes)	Notes (list if cap or lick replaced, if there are access issues associated with repairs, if traffic control is required, if stand pipe damaged, or any specific details not covered by checklist)
MW-1	X														
MW-2	X														
MW-3						3/3									
MW-4						2/3									
MW-5						3/3									
MW-6						3/3									
MW-7						3/3									
MW-8						2/2			X						CRACKED APRON

NOTES:

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

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

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

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

35-4418	J. Mark Ingles
CHEVRON #	Chevron Project Manager

200	S	36TH ST	Bellingham,	WA
Street number		street name	city	state

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

added equip. rinse water 4

any other adjustments

TOTAL GALS. RECOVERED 12

loaded onto BTS vehicle # 88

BTS event #	time	date
130800-LBJ	1245	8/8/13

signature

Blaine Tech Services, Inc.

Permit To Work

for Chevron EMC Sites

Client: Chevron Date 8/8/13

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

Job Number: 130808-LB1 Technician(s): L. Bores

Pre-Job Safety Review

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

2. Special Permit Required Task Review

Are there any conditions or tasks that would require:	Yes	No
Confined space entry	☐	☒
Working at height	☐	☒
Lock-out/Tag-out	☐	☒
Excavations greater than 4 feet deep	☐	☒
Excavations within 3 feet of a buried active electrical line or product piping or within 10 feet of a high pressure gas line.	☐	☒
Use of overhead equipment within 15 feet of an overhead electrical power line or pole supporting one	☐	☒
Hot work	☐	☒

If "Yes" was the answer to any of the Special Permit Required Tasks above, the Project Manager will contact the client and arrange to modify the Scope of Work so that the Special Permit Required Tasks are not required to be performed by Blaine Tech Services employees.

3. Is a Traffic Control Permit required for today's work?	Yes	No
	☐	☒
If so is it in the folder?	☐	☐
Is it current?	☐	☐
Do you understand the Traffic Control Plan and what equipment you will need?	☐	☐

On site Pre-Job Safety Review

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

If Checklist Task cannot be completed, explain:

Permit To Work Authority: [signature] pm 2/18/13 1100

Name Title Date Time

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME 200 S. 32nd St Bellingham WA				PROJECT NUMBER 130808-LB1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI 556	SEA #2	8/6/13 0510	PH 4.0 7.0 10.0	3.98 7.03 9.99	—	15.1	LB
			COND 3900	3906	—	15.0	LB
			ORP 244	246.4	—	14.8	LB
			DO 100%	110.3%	100.0% ✓	—	LB

Attachment B:
Laboratory Analysis Report

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

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

August 28, 2013

Project: 351448

Submittal Date: 08/09/2013
Group Number: 1410584
PO Number: 0015131748
Release Number: SHRILL HOPKINS
State of Sample Origin: WA

Client Sample Description	Lancaster Labs (LL) #
MW-1 NA Groundwater	7156791
MW-2 NA Groundwater	7156792
MW-3 NA Groundwater	7156793
MW-4 NA Groundwater	7156794
MW-5 NA Groundwater	7156795
MW-6 NA Groundwater	7156796
MW-7 NA Groundwater	7156797
MW-8 NA Groundwater	7156798

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

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

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

Respectfully Submitted,

Jill M. Parker

Jill M. Parker
Senior Specialist

(717) 556-7262

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

LL Sample # WW 7156791
LL Group # 1410584
Account # 11255

Project Name: 351448

Collected: 08/08/2013 10:02 by LB

Submitted: 08/09/2013 09:05
Reported: 08/28/2013 11:44

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

36B01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethanol	64-17-5	N.D.	50	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	56	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1

General Sample Comments

State of Washington Lab Certification No. C259
The temperature of the sample bottle(s) for the NWTPH Dx containers upon receipt at the lab was 10.1-12.2 C using an IR thermometer.
Trip blank vials were not received by the laboratory for this sample group.

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	P132261AA	08/14/2013 16:11	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P132261AA	08/14/2013 16:11	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13225C07A	08/14/2013 22:26	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13225C07A	08/14/2013 22:26	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	132280011A	08/19/2013 23:20	Christine E Dolman	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	132280011A	08/16/2013 17:15	JoElla L Rice	1

eurofins | Lancaster Laboratories Environmental

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

Analysis Report

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

LL Sample # WW 7156792
LL Group # 1410584
Account # 11255

Project Name: 351448

Collected: 08/08/2013 11:12 by LB

Submitted: 08/09/2013 09:05
Reported: 08/28/2013 11:44

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

36B02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethanol	64-17-5	N.D.	50	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	1

General Sample Comments

State of Washington Lab Certification No. C259
Trip blank vials were not received by the laboratory for this sample group.

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	P132261AA	08/14/2013 16:39	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P132261AA	08/14/2013 16:39	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13225C07A	08/14/2013 18:34	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13225C07A	08/14/2013 18:34	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	132310010A	08/21/2013 00:32	Christine E Dolman	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	132310010A	08/19/2013 22:00	Karen L Beyer	1

eurofins | Lancaster Laboratories Environmental

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

Analysis Report

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

LL Sample # WW 7156793
LL Group # 1410584
Account # 11255

Project Name: 351448

Collected: 08/08/2013 08:51 by LB

Submitted: 08/09/2013 09:05
Reported: 08/28/2013 11:44

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

36B03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethanol	64-17-5	N.D.	50	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	42	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1

General Sample Comments

State of Washington Lab Certification No. C259
The temperature of the sample bottle(s) for the NWTPH Dx containers upon receipt at the lab was 10.1-12.2 C using an IR thermometer.
Trip blank vials were not received by the laboratory for this sample group.

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	P132261AA	08/14/2013 17:07	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P132261AA	08/14/2013 17:07	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13225C07A	08/14/2013 19:00	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13225C07A	08/14/2013 19:00	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	132310010A	08/21/2013 00:54	Christine E Dolman	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	132310010A	08/19/2013 22:00	Karen L Beyer	1

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

LL Sample # WW 7156794
LL Group # 1410584
Account # 11255

Project Name: 351448

Collected: 08/08/2013 11:48 by LB

Submitted: 08/09/2013 09:05
Reported: 08/28/2013 11:44

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

36B04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethanol	64-17-5	N.D.	50	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	40	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1

General Sample Comments

State of Washington Lab Certification No. C259
Trip blank vials were not received by the laboratory for this sample group.

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	P132261AA	08/14/2013 17:35	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P132261AA	08/14/2013 17:35	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13225C07A	08/14/2013 19:26	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13225C07A	08/14/2013 19:26	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	132310010A	08/21/2013 01:16	Christine E Dolman	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	132310010A	08/19/2013 22:00	Karen L Beyer	1

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

LL Sample # WW 7156795
LL Group # 1410584
Account # 11255

Project Name: 351448

Collected: 08/08/2013 09:26 by LB

Submitted: 08/09/2013 09:05
Reported: 08/28/2013 11:44

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

36B05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethanol	64-17-5	N.D.	50	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	46	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1

General Sample Comments

State of Washington Lab Certification No. C259
The temperature of the sample bottle(s) for the NWTPH Dx containers upon receipt at the lab was 10.1-12.2 C using an IR thermometer.
Trip blank vials were not received by the laboratory for this sample group.

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	P132271AA	08/15/2013 16:57	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P132271AA	08/15/2013 16:57	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13225C07A	08/14/2013 19:52	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13225C07A	08/14/2013 19:52	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	132310010A	08/21/2013 01:37	Christine E Dolman	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	132310010A	08/19/2013 22:00	Karen L Beyer	1

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

LL Sample # WW 7156796
LL Group # 1410584
Account # 11255

Project Name: 351448

Collected: 08/08/2013 08:07 by LB

Submitted: 08/09/2013 09:05
Reported: 08/28/2013 11:44

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

36B06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethanol	64-17-5	N.D.	50	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	28	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	66	1

General Sample Comments

State of Washington Lab Certification No. C259
The temperature of the sample bottle(s) for the NWTPH Dx containers upon receipt at the lab was 10.1-12.2 C using an IR thermometer.
Trip blank vials were not received by the laboratory for this sample group.

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	P132252AA	08/13/2013 09:40	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P132252AA	08/13/2013 09:40	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13225C07A	08/14/2013 20:17	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13225C07A	08/14/2013 20:17	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	132310010A	08/21/2013 01:59	Christine E Dolman	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	132310010A	08/19/2013 22:00	Karen L Beyer	1

eurofins | Lancaster Laboratories Environmental

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

Analysis Report

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

LL Sample # WW 7156797
LL Group # 1410584
Account # 11255

Project Name: 351448

Collected: 08/08/2013 12:22 by LB

Submitted: 08/09/2013 09:05
Reported: 08/28/2013 11:44

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

36B07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethanol	64-17-5	N.D.	50	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	140	50	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
08271	Diesel Range Organics C12-C24	n.a.	810	29	1
08271	Heavy Range Organics C24-C40	n.a.	250	68	1

General Sample Comments

State of Washington Lab Certification No. C259
The temperature of the sample bottle(s) for the NWTPH Dx containers upon receipt at the lab was 10.1-12.2 C using an IR thermometer.
Trip blank vials were not received by the laboratory for this sample group.

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	P132252AA	08/13/2013 11:05	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P132252AA	08/13/2013 11:05	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13225C07A	08/14/2013 20:43	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13225C07A	08/14/2013 20:43	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	132310010A	08/21/2013 02:21	Christine E Dolman	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	132310010A	08/19/2013 22:00	Karen L Beyer	1

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

LL Sample # WW 7156798
LL Group # 1410584
Account # 11255

Project Name: 351448

Collected: 08/08/2013 10:38 by LB

Submitted: 08/09/2013 09:05
Reported: 08/28/2013 11:44

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

36B08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	3	0.5	1
10943	Ethanol	64-17-5	N.D.	50	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
08271	Diesel Range Organics C12-C24	n.a.	N.D.	29	1
08271	Heavy Range Organics C24-C40	n.a.	N.D.	67	1

General Sample Comments

State of Washington Lab Certification No. C259
Trip blank vials were not received by the laboratory for this sample group.

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	P132252AA	08/13/2013 11:34	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P132252AA	08/13/2013 11:34	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	13225C07A	08/14/2013 21:09	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13225C07A	08/14/2013 21:09	Marie D Beamenderfer	1
08271	NWTPH-Dx water	ECY 97-602 NWTPH-Dx modified	1	132310010A	08/21/2013 02:43	Christine E Dolman	1
11197	WA DRO NW DX Ext (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	132310010A	08/19/2013 22:00	Karen L Beyer	1

Quality Control Summary

Client Name: Chevron Group Number: 1410584
Reported: 08/28/13 at 11:44 AM

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

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: P132252AA	Sample number(s): 7156796-7156798							
Benzene	N.D.	0.5	ug/l	94		77-121		
Ethanol	N.D.	50.	ug/l	97		54-149		
Ethylbenzene	N.D.	0.5	ug/l	93		79-120		
Toluene	N.D.	0.5	ug/l	97		79-120		
Xylene (Total)	N.D.	0.5	ug/l	95		77-120		
Batch number: P132261AA	Sample number(s): 7156791-7156794							
Benzene	N.D.	0.5	ug/l	91		77-121		
Ethanol	N.D.	50.	ug/l	79		54-149		
Ethylbenzene	N.D.	0.5	ug/l	84		79-120		
Toluene	N.D.	0.5	ug/l	86		79-120		
Xylene (Total)	N.D.	0.5	ug/l	85		77-120		
Batch number: P132271AA	Sample number(s): 7156795							
Benzene	N.D.	0.5	ug/l	97		77-121		
Ethanol	N.D.	50.	ug/l	80		54-149		
Ethylbenzene	N.D.	0.5	ug/l	90		79-120		
Toluene	N.D.	0.5	ug/l	91		79-120		
Xylene (Total)	N.D.	0.5	ug/l	90		77-120		
Batch number: 13225C07A	Sample number(s): 7156791-7156798							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	103	106	75-135	3	30
Batch number: 132280011A	Sample number(s): 7156791							
Diesel Range Organics C12-C24	N.D.	30.	ug/l	68	72	50-113	6	20
Heavy Range Organics C24-C40	N.D.	70.	ug/l					
Batch number: 132310010A	Sample number(s): 7156792-7156798							
Diesel Range Organics C12-C24	N.D.	30.	ug/l	81	80	50-113	0	20
Heavy Range Organics C24-C40	N.D.	70.	ug/l					

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: P132252AA	Sample number(s): 7156796-7156798 UNSPK: 7156796								
Benzene	87	96	72-134	9	30				

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

Quality Control Summary

Client Name: Chevron Group Number: 1410584
Reported: 08/28/13 at 11:44 AM

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Ethanol	89	92	53-146	3	30				
Ethylbenzene	87	97	71-134	11	30				
Toluene	89	98	80-125	9	30				
Xylene (Total)	87	97	79-125	11	30				
Batch number: P132261AA	Sample number(s): 7156791-7156794 UNSPK: P156542								
Benzene	109	100	72-134	9	30				
Ethanol	90	88	53-146	2	30				
Ethylbenzene	104	92	71-134	11	30				
Toluene	106	94	80-125	11	30				
Xylene (Total)	102	92	79-125	10	30				
Batch number: P132271AA	Sample number(s): 7156795 UNSPK: P158701								
Benzene	107	100	72-134	6	30				
Ethanol	90	88	53-146	2	30				
Ethylbenzene	100	95	71-134	5	30				
Toluene	103	97	80-125	5	30				
Xylene (Total)	100	96	79-125	5	30				

Surrogate Quality Control

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

Analysis Name: UST VOCs by 8260B - Water
Batch number: P132252AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7156796	100	96	101	92
7156797	100	98	99	94
7156798	98	93	99	96
Blank	100	96	101	94
LCS	99	99	101	94
MS	99	94	101	92
MSD	99	100	100	93
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water
Batch number: P132261AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7156791	100	98	99	92
7156792	99	98	102	93
7156793	99	99	100	93
7156794	100	100	101	94
Blank	100	99	99	92
LCS	100	101	100	94
MS	100	101	102	95

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

Quality Control Summary

Client Name: Chevron Group Number: 1410584
Reported: 08/28/13 at 11:44 AM

Surrogate Quality Control

MSD	99	103	101	93
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water
Batch number: P132271AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7156795	99	98	102	94
Blank	100	101	100	93
LCS	100	105	100	93
MS	100	104	101	95
MSD	100	103	101	94
Limits:	80-116	77-113	80-113	78-113

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 13225C07A

	Trifluorotoluene-F
7156791	93
7156792	90
7156793	91
7156794	92
7156795	92
7156796	94
7156797	90
7156798	96
Blank	92
LCS	106
LCSD	107
Limits:	63-135

Analysis Name: NWTPH-Dx water
Batch number: 132280011A

	Orthoterphenyl
7156791	78
Blank	77
LCS	76
LCSD	79
Limits:	50-150

Analysis Name: NWTPH-Dx water
Batch number: 132310010A

	Orthoterphenyl
7156792	89
7156793	93
7156794	91
7156795	88
7156796	86
7156797	91
7156798	87

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

Quality Control Summary

Client Name: Chevron
Group Number: 1410584
Reported: 08/28/13 at 11:44 AM

Surrogate Quality Control

Blank	88
LCS	91
LCSD	90
Limits:	50-150

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

acct# 11255 Op# 1410584 sample# 7156791-99

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: 405 S 8th St. Suite 301, Boise ID
Consultant Contact: Ron Santos
Consultant Phone No. (208) 429-3772
Consultant Project No. 130808-LB1
Sampling Company: Blaine Tech Services
Sampled By (Print): LEE BORES
Sampler Signature:

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

Lancaster Laboratories
☒ Lancaster, PA
Lab Contact: Megan Moeller
2425 New Holland Pike, Lancaster, PA 17601
Phone No: (717)656-2300

Other Lab

Temp. Blank Check Time / Temp.

SAMPLE ID

Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	# of Containers	Container Type
MW-1	GW	—	130808	1002	8	VOA, Amber
MW-2	GW	—	130808	1112		
MW-3	GW	—	130808	0951		
MW-4	GW	—	130808	1148		
MW-5	GW	—	130808	0926		
MW-6	GW	—	130808	0807		
MW-7	GW	—	130808	1222		
MW-8	GW	—	130808	1038		
QA	GW	—	130808	0700	3	VOA

ANALYSES REQUIRED

TPH-DRO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-Dx w/ sgc)	TPH-ORO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-Dx w/ sgc)	TPH-HRO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-Dx w/ sgc)	8260B FULL LIST☐ EDC☐ TBA☐ TAME☐ EDB☐ ETHANOL☐ BTEX☒ MTBE☐	PAH's☐ cPAH's☐ 8270 SIM	TPH-G (NWTPH-Gx)	TOTAL LEAD (6020)	DISSOLVED LEAD (6020)	TPH-D AND TPH-O BY (NWTPH-Dx)	
			X		X			X	
			X		X			X	
			X		X			X	
			X		X			X	
			X		X			X	
			X		X			X	
			X		X			X	
			X		X			X	
			X		X			X	

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

Special Instructions

Notes/Comments
QA vials not rec'd at ELLE.
JMP 8/12/13

Relinquished By	Company	Date/Time:	Relinquished To	Company	Date/Time
		8/8/13	SHIPPED	VIA FED EX	
Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time
Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time
			Kimberly Kurely	ELLE	8-9-13 905

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

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

COC Revision Seattle.doc, 01/17/13

acct# 11255 Ap# 1410584 Sample# 7156791-99

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: 405 S 8th St, Suite 301, Boise ID

Consultant Contact: Ron Santos

Consultant Phone No. (208) 429-3772

Consultant Project No. 130808-LB1

Sampling Company: Blaine Tech Services

Sampled By (Print): LEE BORES

Sampler Signature:

Charge Code:
NWRTB 00SITE NUMBER-0- CML

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

Lancaster Laboratories

☒ Lancaster, PA
Lab Contact: Megan Moeller
2425 New Holland Pike,
Lancaster, PA 17601
Phone No:
(717)656-2300

Other Lab

Temp. Blank Check: Time / Temp.

ANALYSES REQUIRED

SAMPLE ID: Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	# of Containers	Container Type	TPH-DRO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-Dx w/ sgc)	TPH-ORO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-Dx w/ sgc)	TPH-HRO w/ SILICA GEL CLEANUP (97-602M) (NWTPH-Dx w/ sgc)	8260B FULL LIST☐ EDC☐ TBA☐ TAME☐ EDB☐ ETHANOL☒ BTEX☒ MTBE☐	PAH'S☐ cPAH'S☐ 8270 SIM	TPH-G (NWTPH-Gx)	TOTAL LEAD (6020)	DISSOLVED LEAD (6020)	TPH-D AND TPH-O BY (NWTPH-Dx)			Preservation Codes
MW-1	GW	—	130808	1002	8	VOA, AMBER				X		X			X		H =HCL T= Thiosulfate N =HNO_3 B = NaOH S = H_2SO_4 O = Other
MW-2	GW	—	130808	1112						X		X			X		
MW-3	GW	—	130808	0651						X		X			X		
MW-4	GW	—	130808	1148						X		X			X		
MW-5	GW	—	130808	0956						X		X			X		
MW-6	GW	—	130808	0807						X		X			X		
MW-7	GW	—	130808	1222						X		X			X		
MW-8	GW	—	130808	1038						X		X			X		
QA	GW	—	130808	0700	3	VOA				X		X					

Special Instructions

Notes/Comments

Relinquished By	Company	Date/Time:	Relinquished To	Company	Date/Time
		8/5/13	SHIPPED	VIA FEDEX	
Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time
Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time
				ELLI	8-10-13 0945

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

Sample Integrity: (Check by lab on arrival)
Intact: X On Ice: X Temp: 10.1-12.2°C

COC #

eurofins | Lancaster Laboratories Environmental

Explanation of Symbols and Abbreviations

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

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

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

> greater than

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

ppb parts per billion

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

Data Qualifiers:

C – result confirmed by reanalysis.

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

U.S. EPA CLP Data Qualifiers:

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

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

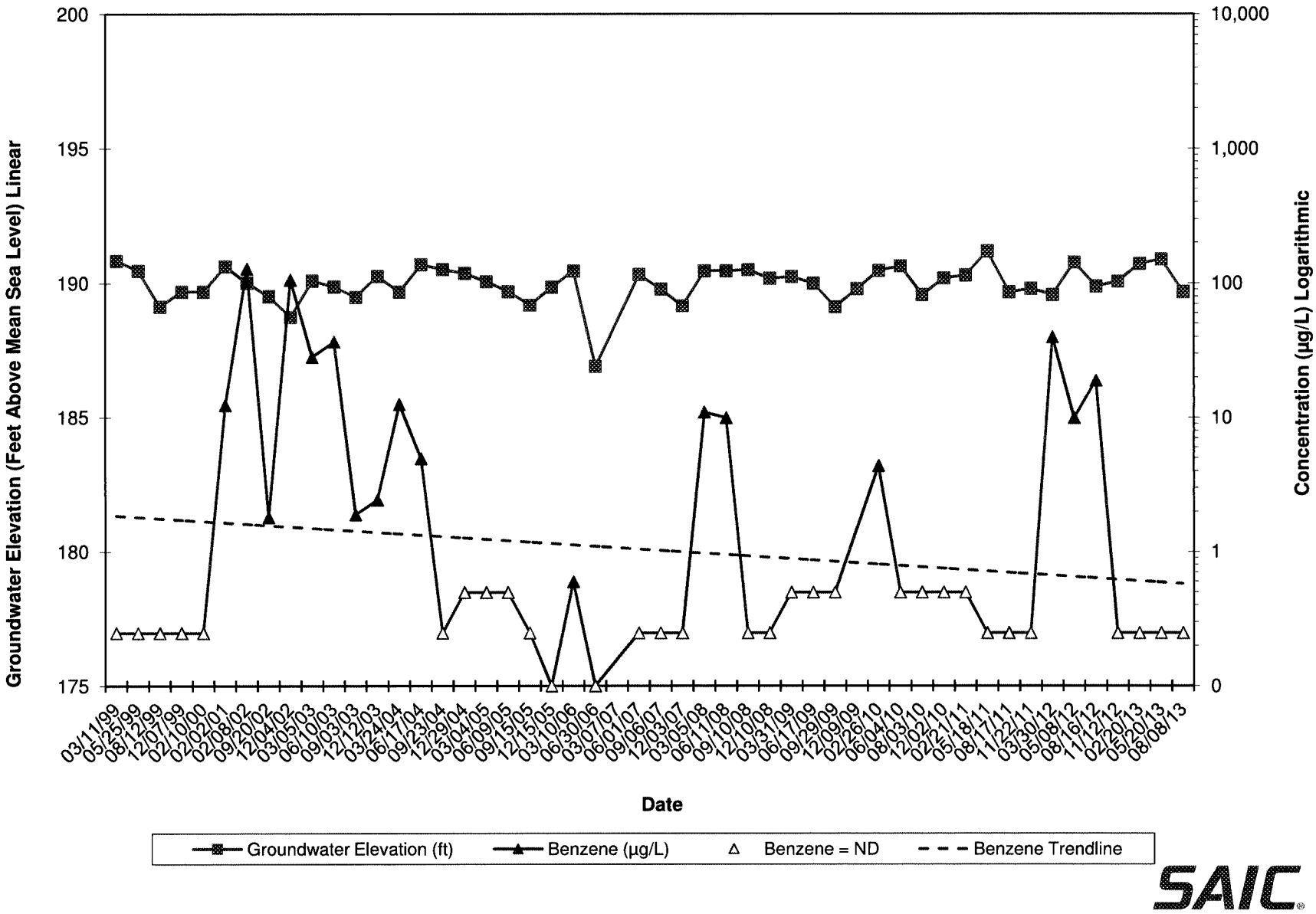
Measurement uncertainty values, as applicable, are available upon request.

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

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

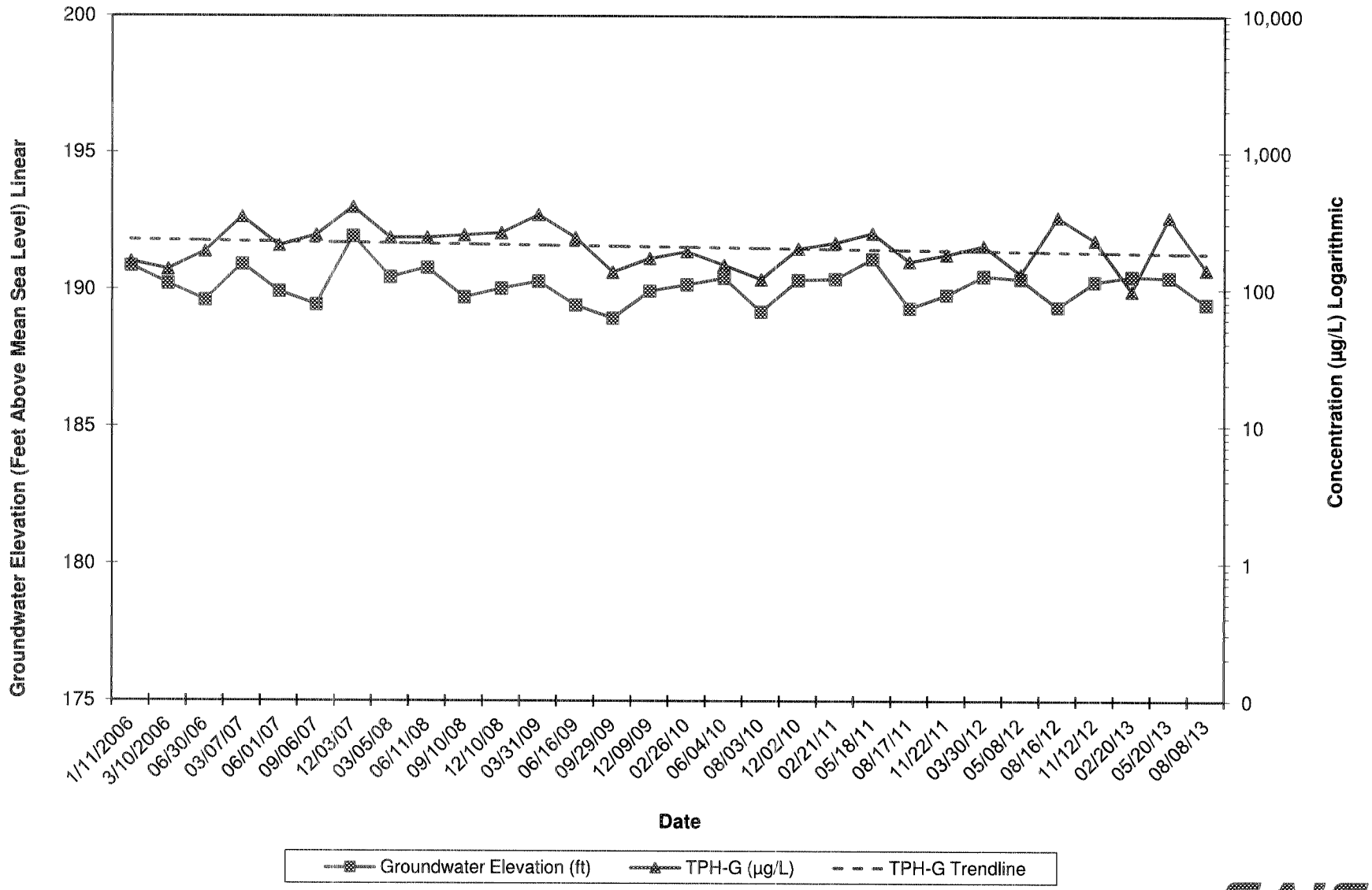
Attachment C:
Hydrographs

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



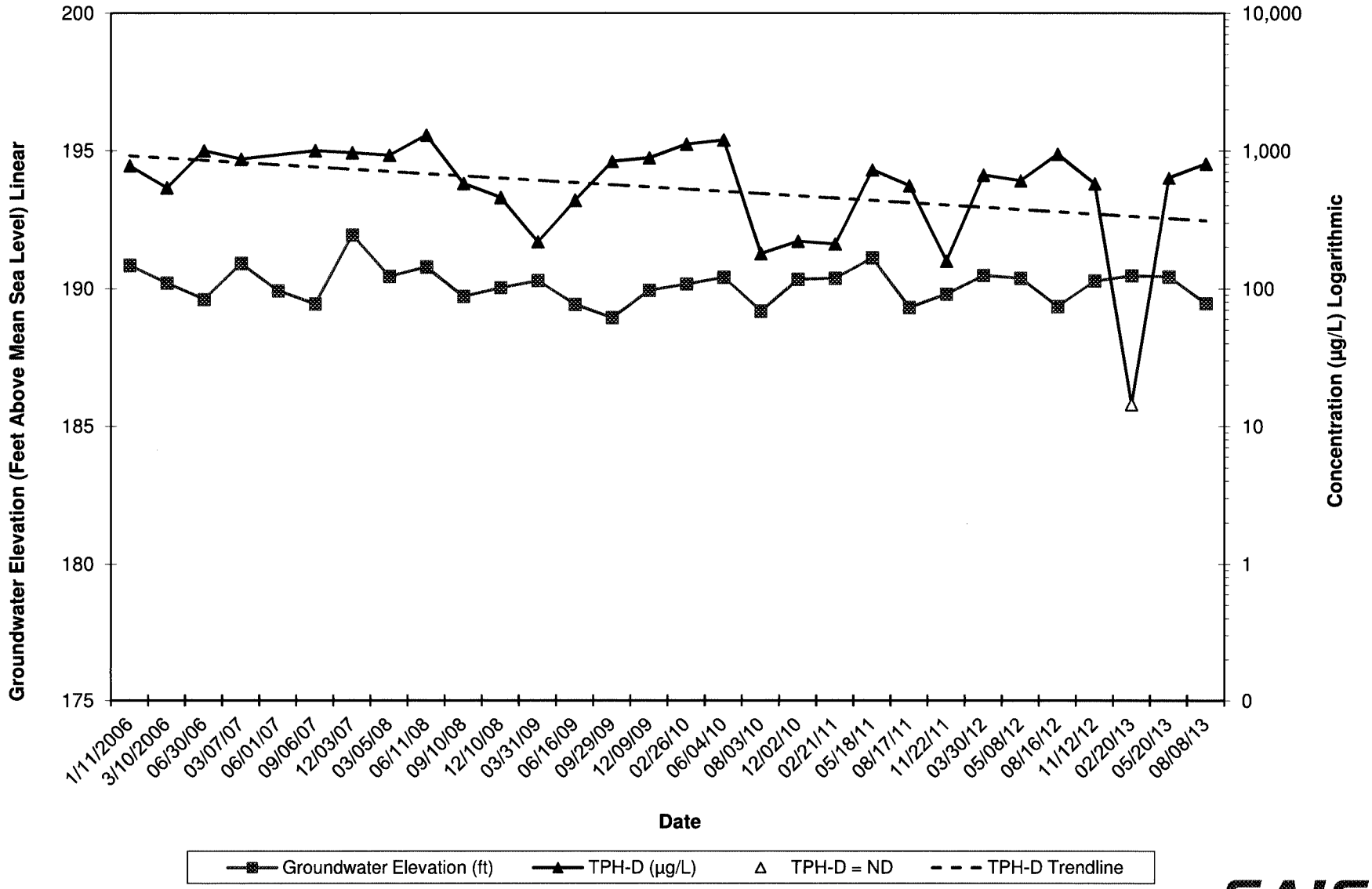
SAIC

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



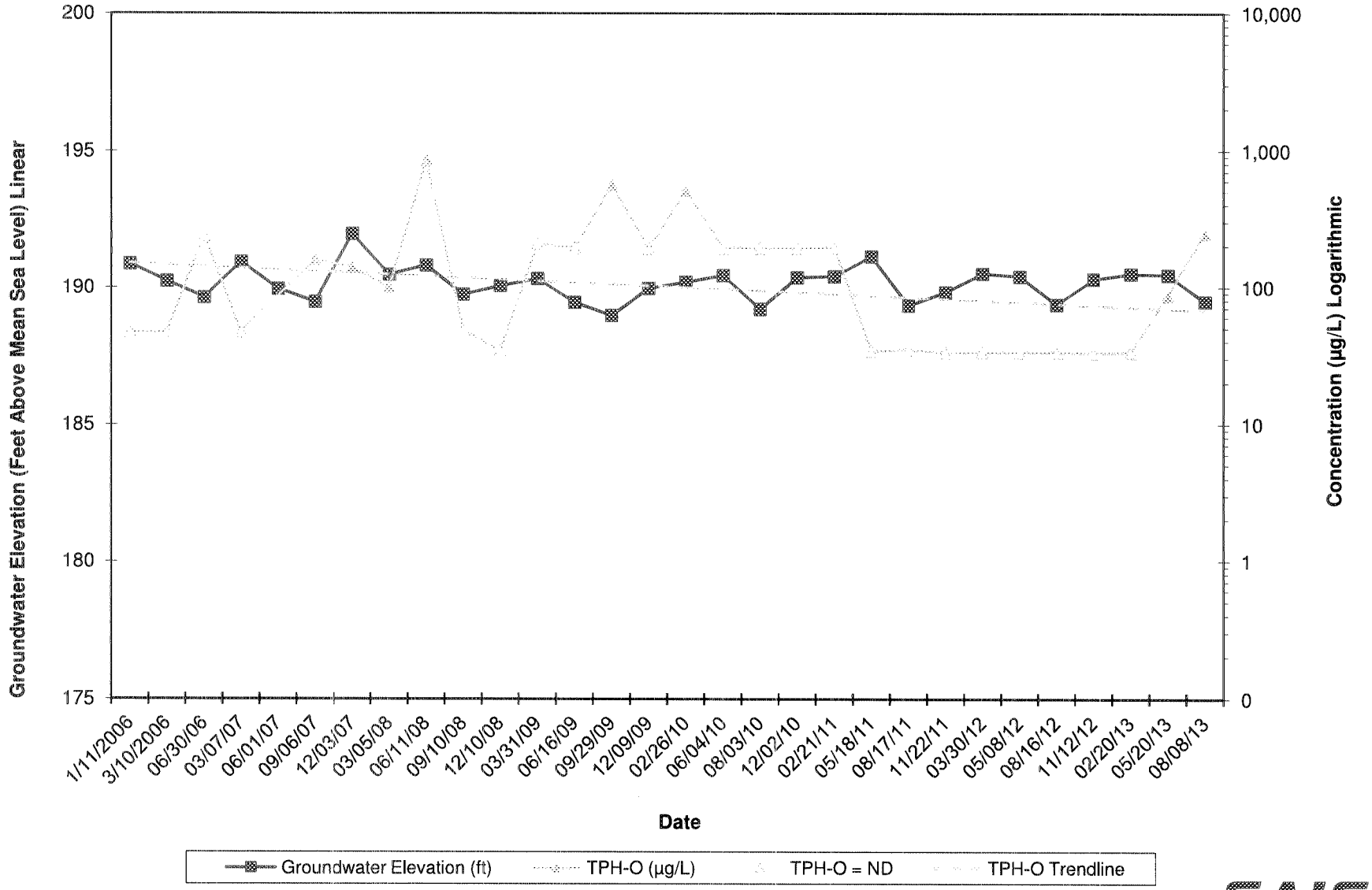
SAIC

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



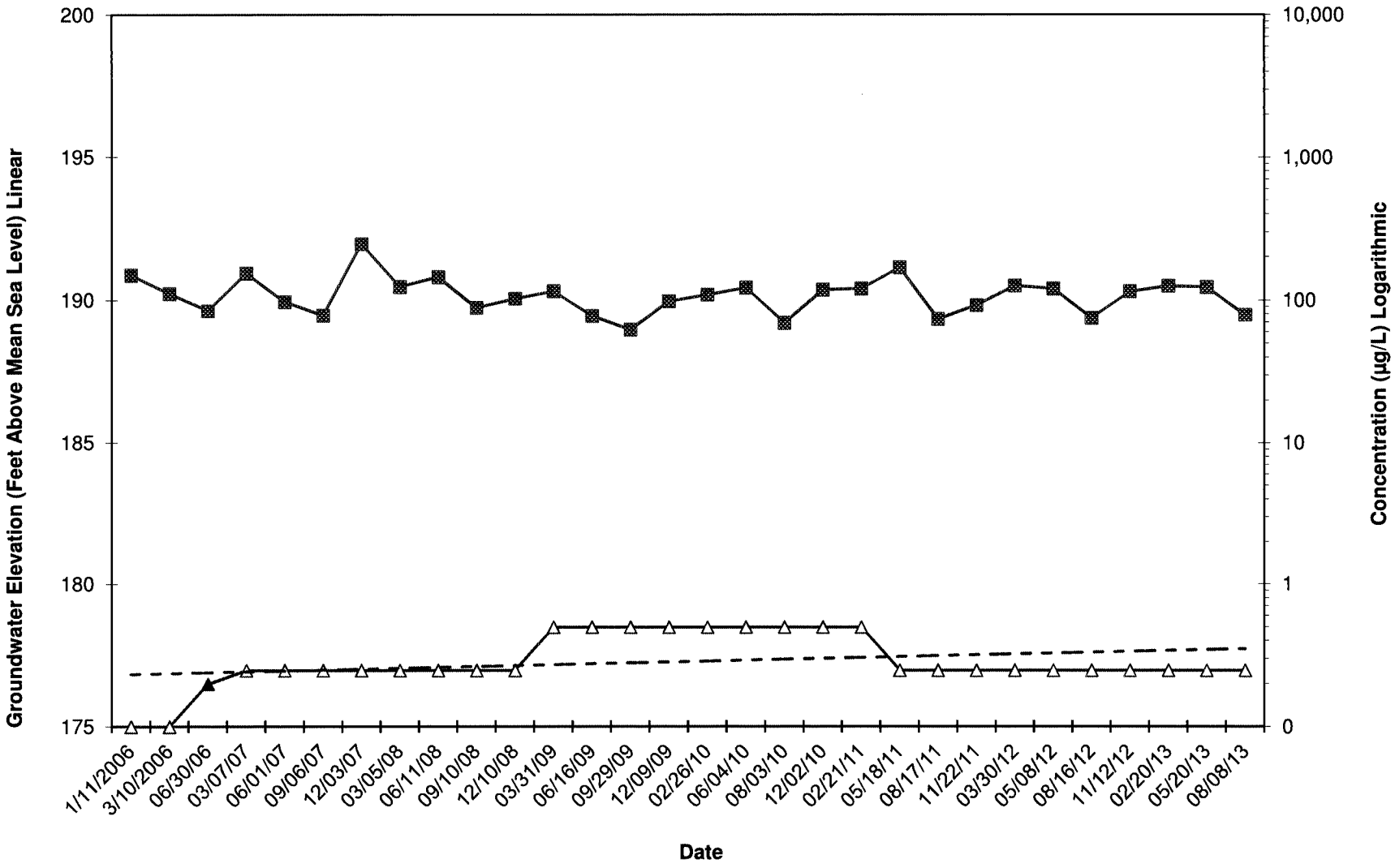
SAIC®

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



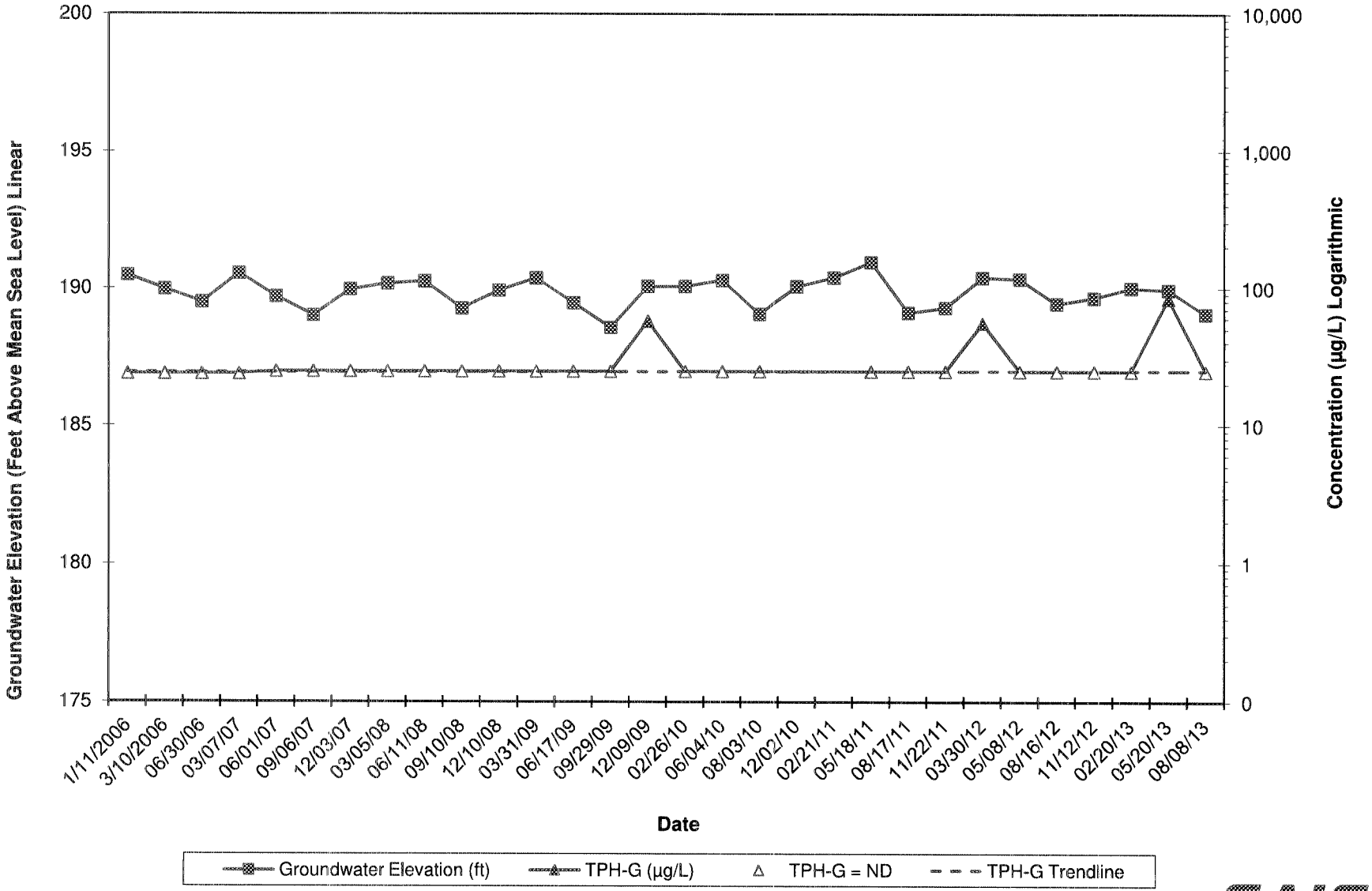
SAIC

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



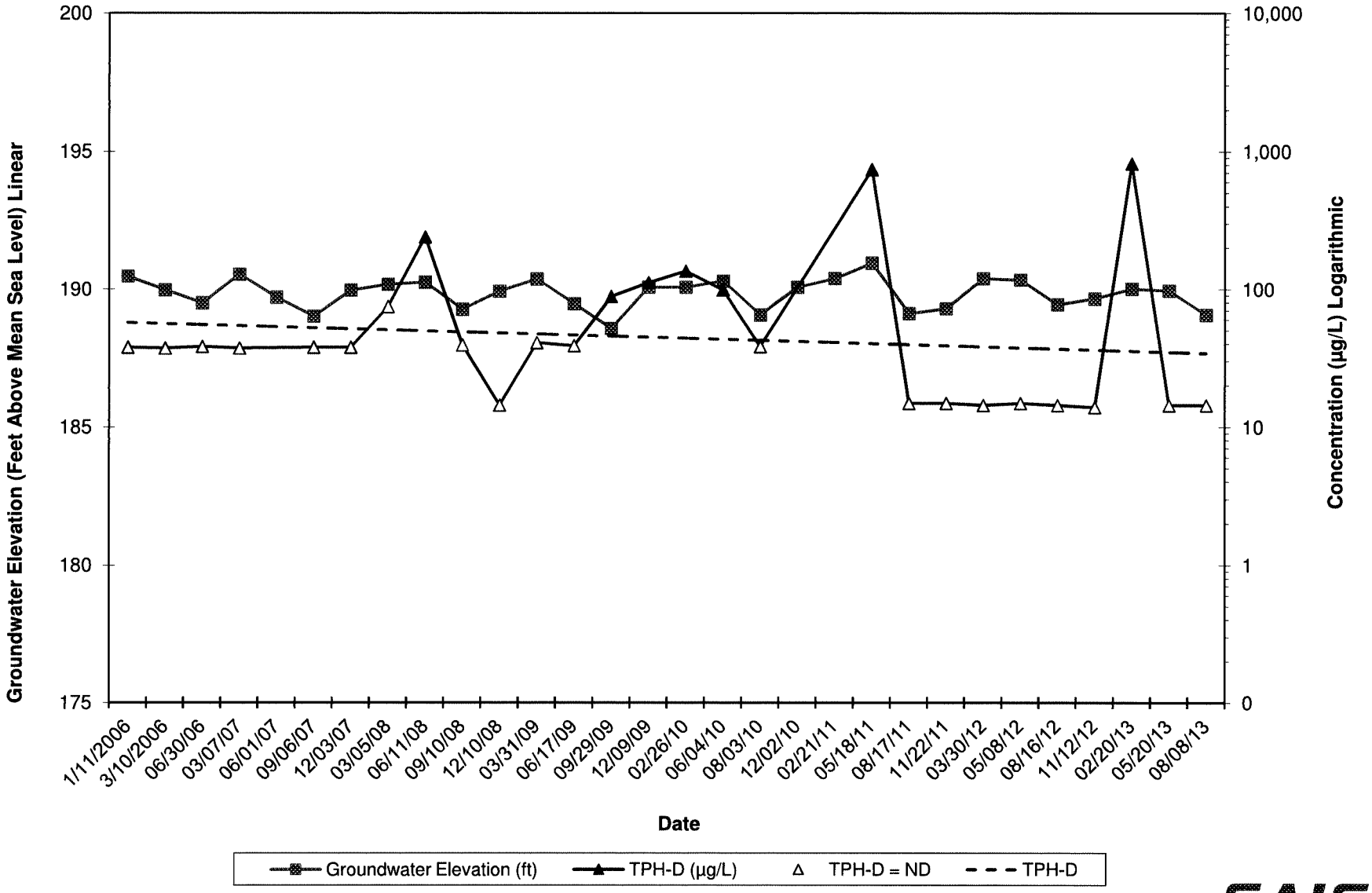
SAIC

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



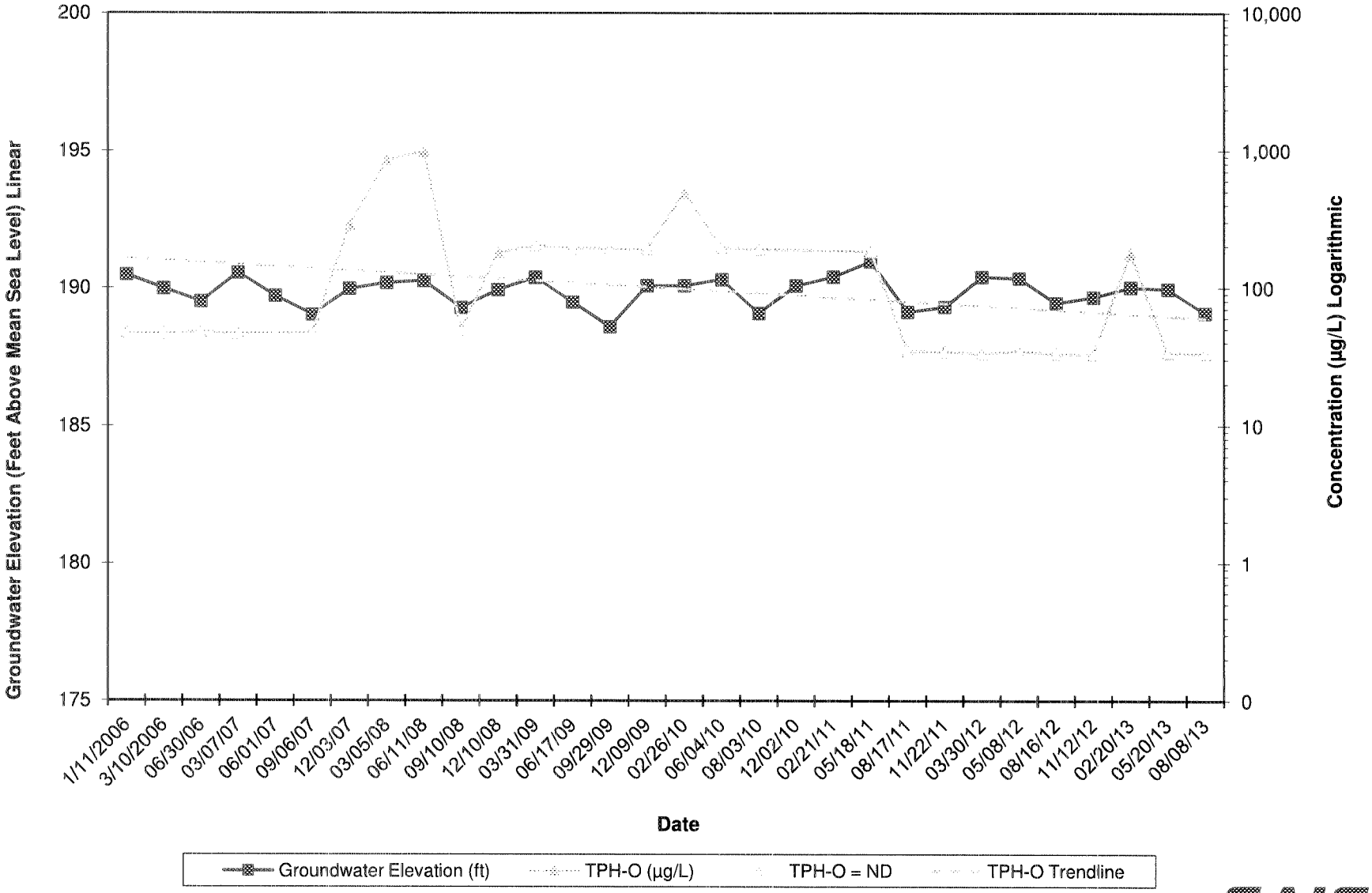
SAIC

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



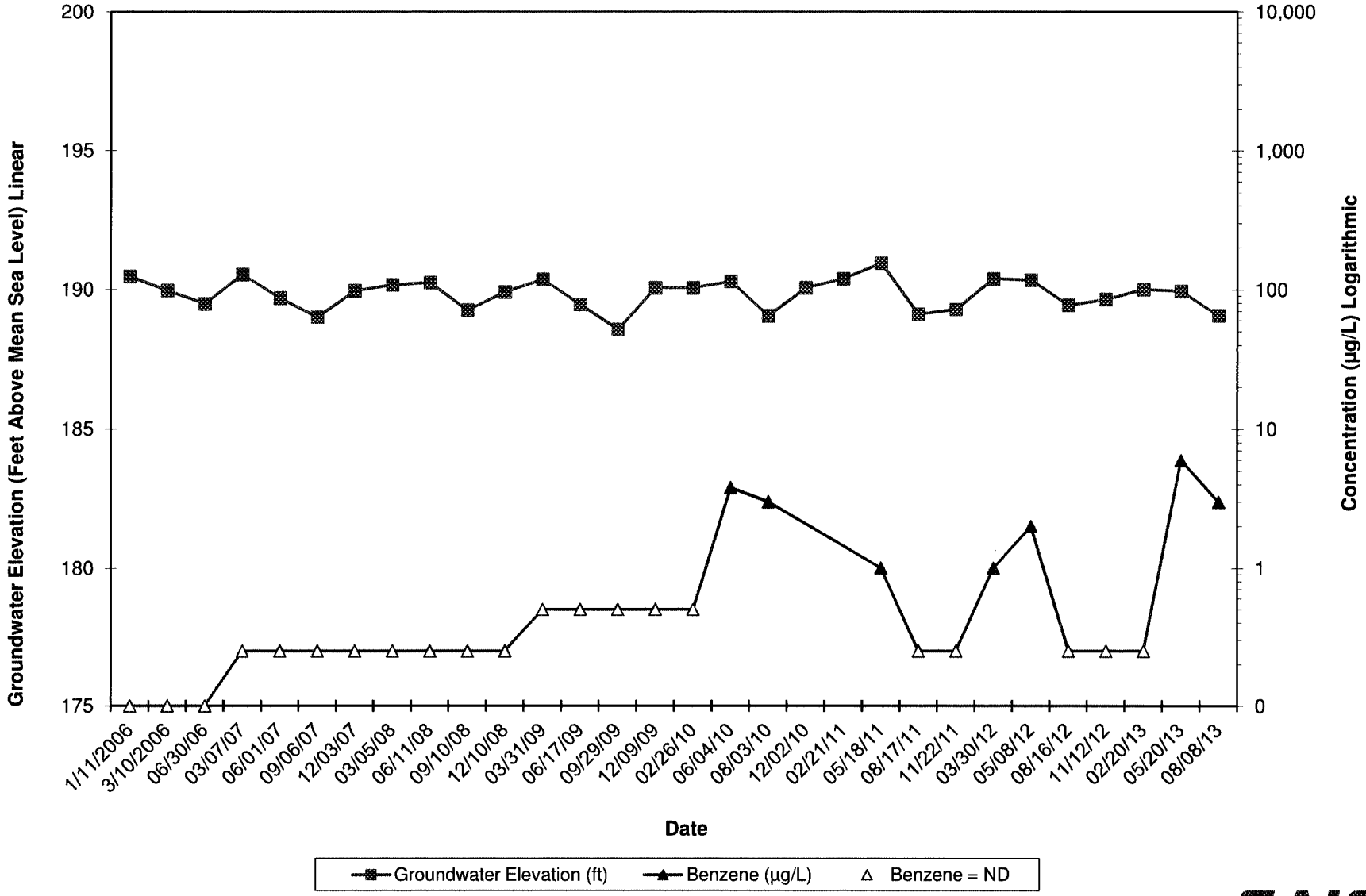
SAIC

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



SAIC

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



SAIC