NW1564

CONESTOGA-ROVERS
& ASSOCIATES

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March 30, 2009

Reference No. 632322

Mr. Christopher Maurer
Washington State Department of Ecology
Northwest Regional Office
3190 160th Avenue Southeast, Suite 200
Bellevue, Washington 98008

Re: First Quarter 2009 Groundwater Monitoring Report
Former Chevron Service Station No. 9-9481
3190 140th Avenue Northeast
Bellevue, Washington
Agency ID No.: 52196613
VCP Project No.: NW1564

Dear Mr. Maurer:

Conestoga-Rovers & Associates (CRA) is submitting this quarterly groundwater monitoring report on behalf of the Chevron Environmental Management Company (Chevron) for the site referenced above (Figure 1). Blaine Tech Services, Inc. (Blaine Tech) gauged and sampled the site wells on January 9, 2009.

CURRENT QUARTER'S ACTIVITIES

Groundwater Monitoring and Sampling

Groundwater analytical results are summarized in Table 1. A *Groundwater Elevation Contour Map* is presented as Figure 2. Blaine Tech's field sampling notes and the laboratory analytical report are included as Attachments A and B, respectively.

Well Integrity Information

The following items were recorded in Blaine Tech's field notes:

- Two of two tabs on the monument for monitoring well MW-2 are broken.

PLANNED ACTIVITIES

The site is scheduled for monitoring and sampling during the second quarter 2009.

CONESTOGA-ROVERS
& ASSOCIATES

March 30, 2009 Reference No. 632322 (3)

We appreciate this opportunity to work with you on this project. If you have any questions regarding the contents of this document, please call Elizabeth Rugh at (425) 212-5102.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Elizabeth Rugh

Laura Genin, LG

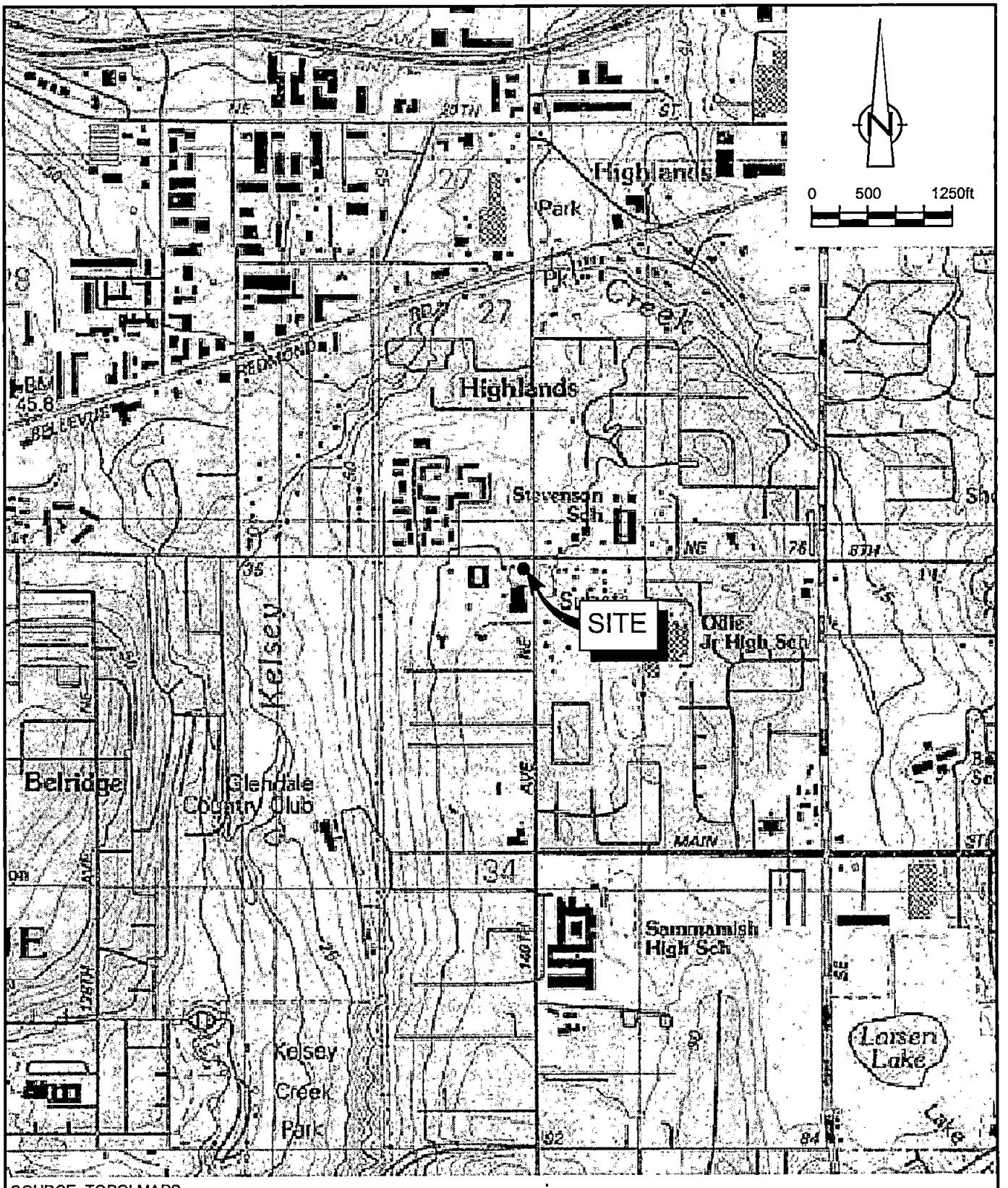
State of Washington
Licensed Geologist
2724
5/13/09
Laura Genin

ER/cs/3
Encl.

Figure 1	Vicinity Map
Figure 2	Groundwater Elevation Contour Map
Table 1	Groundwater Monitoring Event of January 9, 2009
Attachment A	Blaine Tech Field Sampling Notes
Attachment B	Lancaster Laboratory Analytical Report

c.c.: Ms. Stacie Frerichs, Chevron Environmental Management Company
Walgreens Company, Property Tax Dept. #3101

FIGURES



SOURCE: TOPO! MAPS.

figure 1

VICINITY MAP
FORMER CHEVRON STATION 9-9481
647 140TH AVENUE NORTHEAST
Bellevue, Washington

632322-117(1Q08)GN-WA001 MAR 27/2008

02/11/09

EXPLANATION

- MW-1 — Monitoring well location
- Groundwater flow direction
- XX.XX — Groundwater elevation contour, in feet, referenced to an arbitrary datum, approximately located, dashed where inferred
- Well / ELEV — Well designation; Groundwater elevation, in feet, referenced to an arbitrary datum

NORTHEAST 8th STREET

driveway

driveway

planter

MW-2
90.52

Former Dispenser Island

MW-3
90.71

planter

91.00

91.00

driveway

140TH AVENUE NORTHEAST

92.00

92.00

Approximate Walgreen Building Location

Former Used Oil UST

Former Fuel Oil UST

Former Station Building

Former Dispenser Islands

93.00

93.00

Former USTs

driveway

MW-1
93.98

Approximate Property Line

planter

N

0 15 30 60

Scale (ft)

Basemap modified from drawing provided by SECOR

I:\EVERETT\CHEVRON\9-chev\6323--632322 #9-9481 BELLEVUE\632322-FIGURES\632322 9-9481 1QM09-GW.DWG

Groundwater Elevation Contour Map

January 9, 2009

CONESTOGA-ROVERS & ASSOCIATES

Former Chevron Station 9-9481

647 140th Avenue Northeast

Bellevue, Washington

FIGURE

2

TABLES

TABLE 1
GROUNDWATER MONITORING EVENT OF JANUARY 9, 2009
Chevron Service Station 9-9481
647 140th Ave Northeast
Bellevue, WA

								HYDROCARBONS			PRIMARY VOCS					LEAD	
Location	Date	TOC	DTP	DTW	GWE	DO	ORP	TPH-G	TPH-D	TPH-O	B	T	E	X	MTBE	Dissolved	Total
Model Toxics Control Act Cleanup Regulations								800/1000	500	500	5	1000	700	1000	20	NA	15
	Units	ft	ft	ft	ft	mg/L	millivolts	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-1	5/30/1996	99.08	-	5.35	93.73	--	--	ND	--	--	ND	ND	ND	ND	--	--	3.67
MW-1	2/6/1997	99.08	-	4.61	94.47	--	--	ND	--	--	ND	ND	ND	ND	--	--	--
MW-1	5/7/1997	99.08	-	4.88	94.20	--	--	ND	--	--	ND	ND	ND	1.54	--	--	--
MW-1	8/6/1997	99.08	-	5.01	94.07	--	--	ND	--	--	ND	ND	ND	ND	--	--	--
MW-1	12/1/1997	99.08	-	4.70	94.38	--	--	ND	--	--	ND	ND	ND	ND	--	--	--
MW-1	2/9/1998	99.08	-	5.00	94.08	--	--	ND	--	--	ND	ND	ND	ND	--	--	--
MW-1	5/8/1998	99.08	-	5.25	93.83	--	--	ND	--	--	ND	ND	ND	ND	--	--	--
MW-1	8/4/1998	99.08	-	5.29	93.79	--	--	ND	--	--	ND	ND	ND	ND	ND	--	--
MW-1	11/25/1998	99.08	-	4.85	94.23	--	--	ND	--	--	ND	ND	ND	ND	--	--	--
MW-1	3/25/1999	99.08	-	4.97	94.11	--	--	ND	--	--	ND	ND	ND	ND	--	--	--
MW-1	6/2/1999	99.08	-	5.22	93.86	--	--	ND	--	--	ND	ND	ND	ND	--	--	--
MW-1	3/22/2000	99.08	-	4.92	94.16	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	4/9/2001	99.08	-	5.60	93.48	--	--	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--
MW-1	2/11/2002	99.08	-	3.71	95.37	--	--	<50	--	--	<0.50	<0.50	<0.50	<1.5	--	--	--
MW-1	8/14/2002	99.08	-	5.14	93.94	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	8/11/2003	99.08	-	5.54	93.54	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	5/5/2004	99.08	-	5.55	93.53	--	--	<50	--	--	<0.5	<0.5	<0.5	<1.5	--	--	--
MW-1	7/13/2004	99.08	-	5.42	93.66	--	--	<50	--	--	<0.5	<0.5	<0.5	<1.5	--	--	--
MW-1	10/4/2004	99.08	-	4.73	94.35	--	--	<50	--	--	<0.5	<0.5	<0.5	<1.5	--	--	--
MW-1	10/21/2005	99.08	-	4.18	94.90	2.1	48	<48	<80	220	<0.5	<0.5	<0.5	<1.0	<0.5	<0.87	8.8
MW-1	2/2/2006	99.08	-	3.39	95.69	1.9	43	<48	<80	140	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
MW-1	5/1/2006	99.08	-	5.33	93.75	1.8	42	<48	<82	<100	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
MW-1	7/27/2006	99.08	-	5.26	93.82	1.7	44	<48	<79	<98	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
MW-1	12/11/2006	99.08	-	4.70	94.38	--	--	<50	34	<250	<1.0	<1.0	<1.0	<3.0	<1.0	--	--
MW-1	1/23/2007	99.08	-	4.76	94.32	--	--	<50	<130	<260	<1.0	<1.0	<1.0	<3.0	<1.0	--	--
MW-1	4/6/2007	99.08	-	4.90	94.18	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	7/27/2007	99.08	-	4.70	94.38	--	--	<50	<130	<260	<1.0	<1.0	<1.0	<2.0	<1.0	--	--
MW-1	10/2/2007	99.08	-	6.22	92.86	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	4/10/2008	99.08	-	5.20	93.88	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING EVENT OF JANUARY 9, 2009
Chevron Service Station 9-9481
647 140th Ave Northeast
Bellevue, WA

								HYDROCARBONS			PRIMARY VOCS					LEAD	
Location	Date	TOC	DTP	DTW	GWE	DO	ORP	TPH-G	TPH-D	TPH-O	B	T	E	X	MTBE	Dissolved	Total
Model Toxics Control Act Cleanup Regulations								800/1000	500	500	5	1000	700	1000	20	NA	15
	Units	ft	ft	ft	ft	mg/L	millivolts	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-1	7/14/2008	99.08	-	5.39	93.69	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	10/16/2008	99.08	-	5.35	93.73	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	1/9/2009	99.08	-	5.10	93.98	0.82	-15.8	--	--	--	--	--	--	--	--	--	--
MW-2	5/30/1996	98.63	-	8.95	89.68	--	--	496	--	--	4.09	6.28	1.24	32.9	--	--	2.67
MW-2	2/6/1997	98.63	-	8.52	90.11	--	--	1670	--	--	10.3	16.6	16.6	75.1	--	--	--
MW-2	5/7/1997	98.63	-	8.55	90.08	--	--	833	--	--	6.06	1.63	10.7	18.5	--	--	--
MW-2	8/6/1997	98.63	-	8.95	89.68	--	--	528	--	--	6.84	1.27	7.83	19.5	--	--	--
MW-2	12/1/1997	98.63	-	8.60	90.03	--	--	434	--	--	7.40	3.85	4.14	16.8	--	--	--
MW-2	2/9/1998	98.63	-	8.80	89.83	--	--	820	--	--	11	9.30	6.55	38	--	--	--
MW-2	5/8/1998	98.63	-	9.05	89.58	--	--	218	--	--	5.78	7.32	3.05	20.3	--	--	--
MW-2	8/4/1998	98.63	-	9.15	89.48	--	--	255	--	--	7.82	2.38	1.62	12.3	--	--	--
MW-2	11/25/1998	98.63	-	8.90	89.73	--	--	337	--	--	9.68	4.73	3.06	22.8	--	--	--
MW-2	3/25/1999	98.63	-	8.71	89.92	--	--	189	--	--	11.2	ND	ND	ND	--	--	--
MW-2	6/2/1999	98.63	-	8.97	89.66	--	--	1210	--	--	12.0	3.52	13.3	56.6	--	--	--
MW-2	3/22/2000	98.63	-	8.65	89.98	--	--	740	--	--	8.89	7.04	6.28	57.4	--	--	--
MW-2	4/9/2001	98.63	-	8.77	89.86	--	--	420	--	--	9.88	1.12	0.613	20.0	--	--	--
MW-2	2/11/2002	98.63	-	8.22	90.41	--	--	260	--	--	7.1	2.1	0.65	17	--	--	--
MW-2	8/14/2002	98.63	-	8.91	89.72	--	--	550	--	--	6.8	0.67	0.92	31	--	--	--
MW-2	8/11/2003	98.63	-	9.20	89.43	--	--	95	--	--	3.9	<0.5	<0.5	<1.5	--	--	--
MW-2	5/5/2004	98.63	-	9.00	89.63	--	--	160	--	--	5.1	1.8	1.0	9.0	--	--	--
MW-2	7/13/2004	98.63	-	7.79	90.84	--	--	54	--	--	1.9	<0.5	<0.5	<1.5	--	--	--
MW-2	10/4/2004	98.63							INACCESSIBLE								
MW-2	10/21/2005	98.63	-	8.32	90.31	1.7	41	64	350	600	1	<0.5	<0.5	<0.5	<1.0	<0.87	11.6
MW-2	2/2/2006	98.63	-	7.71	90.92	1.6	39	280	350	820	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
MW-2	5/1/2006	98.63	-	8.84	89.79	1.5	38	350	1400	310	4	3	3	12	<0.5	--	--
MW-2	7/27/2006	98.63	-	8.76	89.87	1.4	37	130	860	440	3	<0.5	<0.5	2	<0.5	--	--
MW-2	12/11/2006	98.63	-	8.64	89.99	--	--	190	100	130	9.3	0.26	0.098	0.86	<1.0	--	--

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GROUNDWATER MONITORING EVENT OF JANUARY 9, 2009
Chevron Service Station 9-9481
647 140th Ave Northeast
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								HYDROCARBONS			PRIMARY VOCS					LEAD	
Location	Date	TOC	DTP	DTW	GWE	DO	ORP	TPH-G	TPH-D	TPH-O	B	T	E	X	MTBE	Dissolved	Total
Model Toxics Control Act Cleanup Regulations								800/1000	500	500	5	1000	700	1000	20	NA	15
	Units	ft	ft	ft	ft	mg/L	millivolts	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-2	1/23/2007	98.63	-	8.63	90.00	--	--	250	240	<260	8.4	<1.0	<1.0	<3.0	<1.0	--	--
MW-2	4/6/2007	98.63	-	8.67	89.96	--	--	280	170	<260	6.4	1.7	<1.0	5.0	<1.0	--	--
MW-2	7/27/2007	98.63	-	8.61	90.02	--	--	180	200	<260	4.9	<1.0	<1.0	<2.0	<1.0	--	--
MW-2	10/2/2007	98.63	-	10.04	88.59	--	--	110	320	<270	2.0	<1.0	<1.0	<2.0	--	--	--
MW-2	1/9/2008	98.63	-	8.78	89.95	--	--	--	--	--	3.0	<1.0	<1.0	<2.0	--	--	--
MW-2	7/14/2008	98.63	-	8.83	89.80	--	--	--	--	--	2	<0.5	<0.5	<0.5	--	--	--
MW-2	10/16/2008	98.63	-	8.66	89.97	--	--	--	--	--	0.5	<0.5	<0.5	<0.5	--	--	--
MW-2	1/9/2009	98.63	-	8.11	90.52	2.63	-33.1	--	--	--	6	1	2	12	--	--	--
MW-3	5/30/1996	98.46	-	8.45	90.01	--	--	ND	--	--	5.06	ND	ND	ND	--	--	6.92
MW-3	2/6/1997	98.46	-	8.20	90.26	--	--	213	--	--	5.16	0.514	ND	ND	--	--	--
MW-3	5/7/1997	98.46	-	8.20	90.26	--	--	424	--	--	8.81	ND	ND	ND	--	--	--
MW-3	8/6/1997	98.46	-	8.30	90.16	--	--	382	--	--	ND	ND	ND	ND	--	--	--
MW-3	12/1/1997	98.46	-	8.15	90.31	--	--	275	--	--	9.76	ND	ND	ND	--	--	--
MW-3	2/9/1998	98.46	-	8.26	90.20	--	--	501	--	--	17.3	1.53	ND	1.27	--	--	--
MW-3	5/8/1998	98.46	-	8.36	90.10	--	--	254	--	--	13.8	ND	ND	ND	--	--	--
MW-3	8/4/1998	98.46	-	8.39	90.07	--	--	294	--	--	11.1	ND	ND	ND	ND	--	--
MW-3	11/25/1998	98.46	-	8.01	90.45	--	--	182	--	--	7.64	ND	ND	ND	--	--	--
MW-3	3/25/1999	98.46	-	8.41	90.05	--	--	608	--	--	13.1	7.27	5.52	48.9	--	--	--
MW-3	6/2/1999	98.46	-	8.26	90.20	--	--	440	--	--	22.7	ND	10.6	10.7	--	--	--
MW-3	3/22/2000	98.46	-	7.99	90.47	--	--	170	--	--	11.2	ND	ND	ND	--	--	--
MW-3	4/9/2001	98.46	-	8.19	90.27	--	--	365	--	--	10.8	<0.500	<0.500	2.14	--	--	--
MW-3	2/11/2002	98.46							INACCESSIBLE								
MW-3	8/14/2002	98.46	-	8.45	90.01	--	--	640	--	--	17	<0.50	<0.50	<1.5	--	--	--
MW-3	8/11/2003	98.46							INACCESSIBLE								
MW-3	5/5/2004	98.46	-	8.38	90.08	--	--	220	--	--	7.9	<0.5	<0.5	<1.5	--	--	--
MW-3	7/13/2004	98.46	-	8.39	90.07	--	--	330	--	--	10	0.6	<0.5	<1.5	--	--	--

TABLE 1
GROUNDWATER MONITORING EVENT OF JANUARY 9, 2009
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								HYDROCARBONS			PRIMARY VOCS					LEAD	
Location	Date	TOC	DTP	DTW	GWE	DO	ORP	TPH-G	TPH-D	TPH-O	B	T	E	X	MTBE	Dissolved	Total
Model Toxics Control Act Cleanup Regulations								800/1000	500	500	5	1000	700	1000	20	NA	15
	Units	ft	ft	ft	ft	mg/L	millivolts	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-3	10/4/2004	98.46	-	8.39	90.07	--	--	<50	--	--	8.5	<0.5	<0.5	<1.5	--	--	--
MW-3	10/21/2005	98.46	-	8.12	90.34	1.7	39.0	140	87	110	<0.5	<0.5	<0.5	<1.0	<0.5	<0.87	1.8
MW-3	2/2/2006	98.46							INACCESSIBLE								
MW-3	5/1/2006	98.46							INACCESSIBLE								
MW-3	7/27/2006	98.46	-	8.35	90.11	1.6	38	320	<79	<99	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
MW-3	12/11/2006	98.46	-	7.68	90.78	--	--	170	85	130	<1.0	<1.0	<1.0	<3.0	<1.0	--	--
MW-3	1/23/2007	98.46	-	7.59	90.87	--	--	310	260	380	12	<1.0	<1.0	<3.0	<1.0	--	--
MW-3	4/6/2007	98.46	-	7.66	90.80	--	--	240	150	<270	<1.0	<1.0	<1.0	<3.0	<1.0	--	--
MW-3	7/27/2007	98.46	-	7.54	90.92	--	--	<50	<130	<250	<1.0	<1.0	<1.0	<2.0	<1.0	--	--
MW-3	10/2/2007	98.46	-	8.97	89.49	--	--	210	180	<270	<1.0	<1.0	<1.0	<2.0	--	--	--
MW-3	1/9/2008	98.46	-	7.69	90.77	--	--	--	--	--	<1.0	<1.0	<1.0	<2.0	--	--	--
MW-3	7/14/2008	98.46	-	8.20	90.26	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	10/16/2008	98.46	-	8.10	90.36	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	1/9/2009	98.46	-	7.75	90.71	1.79	-37.8	--	--	--	--	--	--	--	--	--	--
TRIP BLANK	11/25/1998	--	--	--	--	--	--	ND	--	--	ND	ND	ND	ND	--	--	--
TRIP BLANK	3/25/1999	--	--	--	--	--	--	ND	--	--	ND	ND	ND	ND	--	--	--
TRIP BLANK	6/2/1999	--	--	--	--	--	--	ND	--	--	ND	ND	ND	ND	--	--	--
TRIP BLANK	3/22/2000	--	--	--	--	--	--	ND	--	--	ND	ND	ND	ND	--	--	--
TRIP BLANK	4/9/2001	--	--	--	--	--	--	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--
TRIP BLANK	2/11/2002	--	--	--	--	--	--	<50	--	--	<0.50	<0.50	<0.50	<1.5	--	--	--
TRIP BLANK	8/14/2002	--	--	--	--	--	--	<50	--	--	<0.50	<0.50	<0.50	<1.5	--	--	--
TRIP BLANK	8/11/2003	--	--	--	--	--	--	<50	--	--	<0.5	<0.5	<0.5	<1.5	--	--	--
TRIP BLANK	5/5/2004	--	--	--	--	--	--	<50	--	--	<0.5	<0.5	<0.5	<1.5	--	--	--
TRIP BLANK	7/13/2004	--	--	--	--	--	--	<50	--	--	<0.5	<0.5	<0.5	<1.5	--	--	--
TRIP BLANK	10/4/2004	--	--	--	--	--	--	<50	--	--	<0.5	<0.5	<0.5	<1.5	--	--	--
TRIP BLANK	10/21/2005	--	--	--	--	--	--	<48	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
TRIP BLANK	2/2/2006	--	--	--	--	--	--	<48	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
TRIP BLANK	5/1/2006	--	--	--	--	--	--	<48	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--

TABLE 1
GROUNDWATER MONITORING EVENT OF JANUARY 9, 2009
Chevron Service Station 9-9481
647 140th Ave Northeast
Bellevue, WA

								HYDROCARBONS			PRIMARY VOCS					LEAD	
Location	Date	TOC	DTP	DTW	GWE	DO	ORP	TPH-G	TPH-D	TPH-O	B	T	E	X	MTBE	Dissolved	Total
Model Toxics Control Act Cleanup Regulations								800/1000	500	500	5	1000	700	1000	20	NA	15
	Units	ft	ft	ft	ft	mg/L	millivolts	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
TRIP BLANK	7/27/2006	–	–	–	–	–	–	<48	–	–	<0.5	<0.5	<0.5	<0.5	<0.5	–	–
TRIP BLANK	12/11/2006	–	–	–	–	–	–	<50	–	–	<1.0	0.31	<1.0	0.25	<1.0	–	–
TRIP BLANK	1/23/2007	–	–	–	–	–	–	<50	–	–	<1.0	<1.0	<1.0	<3.0	<1.0	–	–
TRIP BLANK	4/6/2007	–	–	–	–	–	–	<50	–	–	<1.0	<1.0	<1.0	<3.0	<1.0	–	–
TRIP BLANK	7/27/2007	–	–	–	–	–	–	<50	–	–	<1.0	<1.0	<1.0	<2.0	<1.0	–	–
TRIP BLANK	10/2/2007	–	–	–	–	–	–	<50	–	–	<1.0	<1.0	<1.0	<2.0	–	–	–
TRIP BLANK	1/9/2008	–	–	–	–	–	–	<50	–	–	<1.0	<1.0	<1.0	<2.0	<1.0	–	–
TRIP BLANK	7/14/2008	–	–	–	–	–	–	–	–	–	<0.5	<0.5	<0.5	<0.5	–	–	–
TRIP BLANK	10/16/2008	–	–	–	–	–	–	–	–	–	<0.5	<0.5	<0.5	<0.5	–	–	–
TRIP BLANK	1/9/2009	–	–	–	–	–	–	–	–	–	<0.5	<0.5	<0.5	<0.5	–	–	–

TABLE 1
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		PAH	cPAHs								ADDITIONAL VOC'S					
Location	Date	Naphthalene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	Total cPAHs	Methanol	Ethanol	EtBE	TAME	DIPE	TBA
	Model To	160	NA	NA	NA	NA	0.1	NA	NA	0.1	NA	NA	NA	NA	NA	NA
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-1	5/30/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	2/6/1997	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	5/7/1997	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	8/6/1997	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	12/1/1997	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	2/9/1998	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	5/8/1998	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	8/4/1998	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	11/25/1998	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	3/25/1999	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	6/2/1999	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	3/22/2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	4/9/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	2/11/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	8/14/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	8/11/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	5/5/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	7/13/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	10/4/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	10/21/2005	<0.01	0.200	0.300	0.300	0.200	0.200	0.200	0.050	0.313	<200	<50	<0.5	<0.5	<0.5	<5
MW-1	2/2/2006	<0.01	0.240	0.420	0.510	0.220	0.320	0.260	0.068	0.4744	--	--	--	--	--	--
MW-1	5/1/2006	0.011	<0.020	<0.020	<0.020	<0.010	<0.020	<0.020	<0.020		--	--	--	--	--	--
MW-1	7/27/2006	<0.01	0.029	0.057	0.061	0.024	0.043	0.057	<0.020	0.06467	--	--	--	--	--	--
MW-1	12/11/2006	0.015	0.025	0.030	0.051	0.051	<0.210	0.034	0.018	0.1286	--	--	--	--	--	--
MW-1	1/23/2007	<0.10	<0.100	<0.100	<0.210	<0.210	<0.210	<0.100	<0.100		--	--	--	--	--	--
MW-1	4/6/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	7/27/2007	0.010	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	<0.010		--	--	--	--	--	--
MW-1	10/2/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	4/10/2008	--	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098		--	--	--	--	--	--

TABLE 1
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		PAH	cPAHs								ADDITIONAL VOC'S					
Location	Date	Naphthalene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	Total cPAHs	Methanol	Ethanol	ETBE	TAME	DIPE	TBA
	Model To	160	NA	NA	NA	NA	0.1	NA	NA	0.1	NA	NA	NA	NA	NA	NA
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-1	7/14/2008	--	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050		--	--	--	--	--	--
MW-1	10/16/2008	--	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10		--	--	--	--	--	--
MW-1	1/9/2009	--	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098		--	--	--	--	--	--
MW-2	5/30/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	2/6/1997	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	5/7/1997	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	8/6/1997	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	12/1/1997	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	2/9/1998	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	5/8/1998	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	8/4/1998	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	11/25/1998	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	3/25/1999	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	6/2/1999	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	3/22/2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	4/9/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	2/11/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	8/14/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	8/11/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	5/5/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	7/13/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	10/4/2004						INACCESSIBLE									
MW-2	10/21/2005	0.1	0.100	0.200	0.300	0.100	0.200	0.300	0.060	0.306	<200	<50	<0.5	<0.5	<0.5	<5
MW-2	2/2/2006	0.14	0.120	0.230	0.260	0.140	0.170	0.180	0.038	0.2575	--	--	--	--	--	--
MW-2	5/1/2006	0.14	<0.020	<0.020	0.029	0.013	0.023	0.021	<0.020	0.0344	--	--	--	--	--	--
MW-2	7/27/2006	<0.01	<0.020	<0.020	0.034	0.015	0.025	0.045	<0.020	0.0395	--	--	--	--	--	--
MW-2	12/11/2006	0.12	0.011	<0.100	<0.210	<0.210	<0.210	<0.100	0.013	0.1378	--	--	--	--	--	--

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		PAH	cPAHs								ADDITIONAL VOC'S					
Location	Date	Naphthalene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	Total cPAHs	Methanol	Ethanol	ETBE	TAME	DIPE	TBA
	Model To	160	NA	NA	NA	NA	0.1	NA	NA	0.1	NA	NA	NA	NA	NA	NA
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-2	1/23/2007	0.34	<0.097	<0.097	<0.190	<0.190	<0.190	<0.097	<0.097		--	--	--	--	--	--
MW-2	4/6/2007	0.17	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	<0.010		--	--	--	--	--	--
MW-2	7/27/2007	0.059	<0.010	<0.010	<0.010	<0.010	<0.021	<0.010	<0.010		--	--	--	--	--	--
MW-2	10/2/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	1/9/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	7/14/2008	--	0.096	<0.050	0.14	<0.050	0.087	0.075	<0.050	0.18185	--	--	--	--	--	--
MW-2	10/16/2008	--	0.13	0.50	0.33	<0.10	0.13	0.14	<0.10	0.32	--	--	--	--	--	--
MW-2	1/9/2009	--	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095		--	--	--	--	--	--
MW-3	5/30/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	2/6/1997	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	5/7/1997	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	8/6/1997	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	12/1/1997	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	2/9/1998	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	5/8/1998	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	8/4/1998	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	11/25/1998	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	3/25/1999	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	6/2/1999	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	3/22/2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	4/9/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	2/11/2002						INACCESSIBLE									
MW-3	8/14/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	8/11/2003						INACCESSIBLE									
MW-3	5/5/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	7/13/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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		PAH	cPAHs								ADDITIONAL VOC'S					
Location	Date	Naphthalene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	Total cPAHs	Methanol	Ethanol	ETBE	TAME	DIPE	TBA
	Model To	160	NA	NA	NA	NA	0.1	NA	NA	0.1	NA	NA	NA	NA	NA	NA
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-3	10/4/2004	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
MW-3	10/21/2005	0.04	<0.020	<0.020	<0.020	<0.010	<0.020	<0.020	<0.020		<200	<50	<0.5	<0.5	<0.5	<5
MW-3	2/2/2006						INACCESSIBLE									
MW-3	5/1/2006						INACCESSIBLE									
MW-3	7/27/2006	<0.01	<0.020	<0.020	<0.020	<0.010	<0.020	<0.020	<0.020		–	–	–	–	–	–
MW-3	12/11/2006	0.071	0.076	0.120	0.220	0.220	**0.110**	0.110	0.026	**0.1842**	–	–	–	–	–	–
MW-3	1/23/2007	0.41	<0.100	<0.100	<0.210	<0.210	<0.210	<0.100	<0.100		–	–	–	–	–	–
MW-3	4/6/2007	0.048	<0.010	<0.010	<0.010	<0.010	<0.021	<0.010	<0.010		–	–	–	–	–	–
MW-3	7/27/2007	0.083	<0.010	<0.010	<0.010	<0.010	<0.021	<0.010	<0.010		–	–	–	–	–	–
MW-3	10/2/2007	0.048	<0.012	<0.012	<0.012	<0.012	<0.023	<0.012	<0.012		–	–	–	–	–	–
MW-3	1/9/2008	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
MW-3	7/14/2008	–	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050		–	–	–	–	–	–
MW-3	10/16/2008	–	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10		–	–	–	–	–	–
MW-3	1/9/2009	–	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099		–	–	–	–	–	–
TRIP BLANK	11/25/1998	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TRIP BLANK	3/25/1999	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TRIP BLANK	6/2/1999	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TRIP BLANK	3/22/2000	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TRIP BLANK	4/9/2001	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TRIP BLANK	2/11/2002	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TRIP BLANK	8/14/2002	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TRIP BLANK	8/11/2003	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TRIP BLANK	5/5/2004	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TRIP BLANK	7/13/2004	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TRIP BLANK	10/4/2004	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TRIP BLANK	10/21/2005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TRIP BLANK	2/2/2006	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TRIP BLANK	5/1/2006	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

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		PAH	cPAHs								ADDITIONAL VOC'S					
Location	Date	Naphthalene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	Total cPAHs	Methanol	Ethanol	ETBE	TAME	DIPE	TBA
	Model To	160	NA	NA	NA	NA	0.1	NA	NA	0.1	NA	NA	NA	NA	NA	NA
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
TRIP BLANK	7/27/2006	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TRIP BLANK	12/11/2006	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TRIP BLANK	1/23/2007	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TRIP BLANK	4/6/2007	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TRIP BLANK	7/27/2007	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TRIP BLANK	10/2/2007	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TRIP BLANK	1/9/2008	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TRIP BLANK	7/14/2008	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TRIP BLANK	10/16/2008	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TRIP BLANK	1/9/2009	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Abbreviations and Notes:

MTCA = Model Toxics Control Act Cleanup Regulations [WAC 173-340-720(2)(a)(1), as amended February 2001]
NA = No applicable MTCA Method A cleanup level
ND = Not detected
TOC = Top of casing elevation
DTP = Depth to product
DTW = Depth to water
GWE = Groundwater elevation
DO = Dissolved oxygen
ORP = Oxidation reduction potential
TPH-G = Total petroleum hydrocarbons - gasoline range organics (C4-C12), analyzed by Method NWTPH-Gx ECY 97-602 8015B
TPH-D = Total petroleum hydrocarbons - diesel range organics (C10-C28), extended with silica gel clean-up and analyzed by Method NWTPH-Dx, ECY Method 97-602 Modified
TPH-O = Total petroleum hydrocarbons - oil range organics (C16-C36), extended with silica gel clean-up and analyzed by Method NWTPH-Dx, ECY Method 97-602 Modified
VOCs = Volatile organic compounds analyzed by EPA Method 8260B
BTEX = Benzene, Toluene, Ethylbenzene and Total Xylenes
MTBE = Methyl tertiary-butyl ether
ETBE = Ethyl t-butyl ether
TAME = t-Amyl methyl ether
EDC = 1,2 -Dichloroethane
EDB = 1,2 - Dibromoethane
DIPE = Di-Isopropyl ether
ft = Feet
µg/L = Micrograms per liter
--- = Not measured
PAHs = Polycyclic aromatic hydrocarbons analyzed by EPA Method 8270 using Selective Ion Monitoring (SIM)
cPAHs = Carcinogenic PAHs, identified as known or probable human carcinogens by the US EPA
Total and dissolved lead analyzed by EPA Method 7421
Total cPAHs are calculated using the Toxic Equivalency Factors for cPAHs found on page 21 of WSDOE's publication titled "Cleanup Levels and Risk Calculations under the Model Toxics Control Act Cleanup Regulation," Version 3.1, November 2001. MTCA Method A cleanup level is based on benzo(a)pyrene
Methanol and ethanol analyzed by EPA Method SW-846 8015B Modified
Historical flags and notes can be viewed on the 4th Quarter 2007 Groundwater Monitoring report.
U - Not detected above laboratory reporting limits
J - Estimated concentration
R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT A

BLAINE TECH FIELD SAMPLING NOTES

Blaine Tech Services, Inc.

Permit To Work

for Chevron EMC Sites

Client: CRA/CUSA Date 1/9/09

Site Address: 6427 140th Bellevue

Job Number: 090109-SL3 Technician(s): S. Lane

Pre-Job Safety Review

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

2. Special Permit Required Task Review

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

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

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

On site Pre-Job Safety Review

1. Reviewed and signed the site specific HASP.	☒
2. Route to hospital understood.	☒
3. Reviewed "Groundwater Monitoring Well Sampling General Job Safety Analysis included in the HASP.	☒
4. Exceptional circumstances today that are not covered by the HASP, JSA or JMP have been addressed and mitigated.	☐ NA
5. Understands procedure to follow, if site circumstances change, to address new site hazards.	☒
6. Is there any unexpected condition which would make your task a Special Permit Required Task? If yes, contact your Project Manager.	☐ NA
7. All site hazards have been communicated to all necessary onsite personnel during tailgate safety meeting.	☒
8. After lunch tailgate safety meeting refresher conducted.	☐ NA

If Checklist Task cannot be completed, explain:

Permit To Work Authority: Eric Morse (Name) PM (Title) 1/9/09 (Date) 1045 (Time)

CHAIN OF CUSTODY FORM

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

Chevron Site Number: 99481
Program Designation: MT2-2
Site Address (street, city, state / county): 647 140th Ave
Northeast, Bellevue, WA / King
Chevron PM: Stacie Hartung-Frerichs
Chevron PM Phone No.: 925-842-9655
☐ Retail and Terminal Business Unit (RTBU) Job
☐ Construction/Retail Job

Chevron Consultant: CRA
Address: 1420 80th St SW, Suite A, Everett, WA 98203
Everett, WA 98203
Consultant Contact: Andrea Petrusky
Consultant Phone No. (425)353-6670 x.105
Consultant Project No. 090109-SC3
Sampling Company: Blaine Tech Services
Sampled By (Print): S. Lane
Sampler Signature: SL2

Charge Code: NWRTB-0099481-0-OML
NWRTB 00SITE NUMBER-0-OML
WBS ELEMENTS:
SITE ASSESSMENT: A1L REMEDIATION IMPLEMENTATION: R5L
SITE MONITORING: OML OPERATION MAINTENANCE & MONITORING: M1L

Test America
5755 8th Street E
Tacoma, WA 98424
Contact: Heather Curbow
(253) 922-2310 x130
Heather.Curbow@testamericainc.com

Other Lab

Temp. Blank / Check Time / Temp.

ANALYSES REQUIRED

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

Special Instructions

SAMPLE ID: Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	# of Containers	Container Type	TPH-D W/ SILICA GEL CLEANUP (97-602M)	TPH-G (8015M)	8260B BTEX☐ MTBE☐	8260B EDB☐ EDC☐ TBA☐ TAME☐ ETBE☐ ETHANOL☐ FULL LIST☐	METHANOL (8015M)	8270 SIM PAH's☐ cPAH's☐	TOTAL LEAD (6020)	DISSOLVED LEAD (6020)	PCB's (8081+8082)	HVOC FULL LIST (8260B)	BTEX (8260B)	Notes/Comments
GW-010909-99481-MW2		NA	090109	1135	6							X					X	
GW-010909-99481-MW3		NA	↓	1215	2							X						
GW-010909-99481-MW1		NA		1250	2							X					X	
GW-010909-99481-TRIP		NA		—	4													
		NA																
		NA																
		NA																
		NA																
		NA																

Relinquished By	Company	Date/Time:	Relinquished To	Company	Date/Time
SL2	BTS				
Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time
Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time

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

Sample Integrity: (Check by lab on arrival)

Intact: ____ On Ice: ____ Temp: ____

COC #

COC Revision Seattle, 04/07/08

WELLHEAD INSPECTION FORM

Client: Chevron Site: 99481 Date 1/8/09

Job #: 090109-SL3 Technician: SUNE 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 lock replaced, if there are access issues associated with repairs, if traffic control is required, if stand pipe damaged, or any specific details not covered by checklist)
MW-1	X														
MW-2							2/2								
MW-3	X														

Notes:

CHEVRON TYPE **A** BILL OF LADING

SOURCE RECORD **BILL OF LADING**

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

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

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

99481

CHEVRON #

Chevron Engineer

647 140th Bellevue

street number | street name | city | state

WELL I.D. ~~GALS.~~		WELL I.D.	GALS.
MW-1	/		/
MW-2	2400 ml		/
MW-3	1600 ml		/
	/		/
	/		/
	/		/
	/		/
	/		/

added equip. rinse water / any other adjustments /

TOTAL ~~GALS.~~ RECOVERED loaded onto BTS vehicle # 71

BTS event # 090109-SLZ time date 1.9.09

signature SLZ

****

REC'D AT time date / /

unloaded by signature

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME Chevron				PROJECT NUMBER			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	°C TEMP.	INITIALS
YSI 556	08A100	11/9/09 1104	pH 4 7 10	pH 4.00 7.00 10.00	✓	8.90	[illegible]
↓	↓	1108	3400 uS	3889	✓	9.03	[illegible]
↓	↓	1110	250.5 mV	252.1	✓	8.92	[illegible]
↓	↓	1112	100% D.O.	97.8%	✓	7.89	[illegible]
Hach Turbid. Meter	13495	1114	20/100/800 NTU	20/98/796 NTU	✓	—	[illegible]

WELL GAUGING DATA

Project # 090109-SL3 Date 1/9/09 Client Chevron

Site 647 140th Bellevue

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	1046	2					5.10	19.81		
MW-2	1055	2					8.11	19.20		
MW-3	1052	2					7.75	18.37		

CHEVRON LOW FLOW WELL MONITORING DATA SHEET

Project #: 090109-SL3	Site #: 99481
Sampler: SL	Start Date: 1/9/09
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 19.81	Depth to Water Pre: 5.10 Post: 6.79
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump ~~Peristaltic Pump~~ Bladder Pump
Sampling Method: ~~Dedicated Tubing~~ New Tubing Other ____
Flow Rate: 100 mL/m Pump Depth: 12'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1232	10.19	7.75	291	246	2.97	45.3	300	DTW 5.49
1235	10.46	8.13	287	121	1.09	14.6	600	5.61
1238	10.22	8.29	287	48	0.89	-3.1	900	5.79
1241	10.09	8.32	287	23	0.83	-12.4	1200	5.94
1244	10.06	8.34	287	11	0.82	-13.5	1500	6.03
1247	10.04	8.35	287	11	0.82	-14.7	1800	6.15
1250	10.01	8.34	286	10	0.82	-15.8	2100	6.29

Did well dewater? Yes (No) Amount actually evacuated: 2100 mL
Sampling Time: 1250 Sampling Date: 1/9/09
Sample I.D.: GW-010909-99481-MW1 Laboratory: Lancaster
Analyzed for: TPH-G BTEX MTBE TPH-D Other: See CoC
Equipment Blank I.D.: @ Time Duplicate I.D.:

CHEVRON LOW FLOW WELL MONITORING DATA SHEET

Project #: 090109-SL3	Site #: 99481
Sampler: SL	Start Date: 1/9/09
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 19.20	Depth to Water Pre: 8.11 Post: 9.77
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump / ~~Peristaltic Pump~~ / Bladder Pump
Sampling Method: ~~Dedicated Tubing~~ / New Tubing / Other ___
Flow Rate: 100 mL/m
Pump Depth: 14'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1117	11.19	7.43	649	46	2.98	118.0	300	DTW 8.29
1120	11.19	7.73	594	44	3.01	49.1	600	8.37
1123	11.27	7.88	562	45	3.15	2.8	900	8.48
1126	11.36	7.93	549	42	2.93	-19.1	1200	8.60
1129	11.40	7.95	538	38	2.70	-31.9	1500	8.71
1132	11.44	7.95	530	40	2.67	-32.5	1800	8.83
1135	11.44	7.97	529	39	2.63	-33.1	2100	8.91

Did well dewater? Yes (No) Amount actually evacuated: 2100 mL
Sampling Time: 1135 Sampling Date: 1/9/09
Sample I.D.: GW-010909-99481-MW-2 Laboratory: Lancaster
Analyzed for: TPH-G BTEX MTBE TPH-D Other: See CoC
Equipment Blank I.D.: @ Time Duplicate I.D.:

CHEVRON LOW FLOW WELL MONITORING DATA SHEET

Project #: 090109-SL3	Site #: 99481
Sampler: SL	Start Date: 1/9/09
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 19.37	Depth to Water Pre: 7.75 Post: 9.22
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump ~~Peristaltic Pump~~ Bladder Pump
Sampling Method: ~~Dedicated Tubing~~ New Tubing Other ___
Flow Rate: 100ml/m Pump Depth: 14

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1158	10.57	7.67	456	45	3.13	4.1	300	DTW 8.08
1201	10.51	7.93	462	26	1.57	-17.6	600	8.26
1204	10.78	8.03	479	18	1.66	-30.1	900	8.44
1207	10.40	8.04	491	10	1.82	-36.2	1200	8.57
1210	10.42	8.06	497	9	1.82	-38.4	1500	8.69
1213	10.48	8.05	499	8	1.79	-37.8	1800	8.77

Did well dewater? Yes (No) Amount actually evacuated: 1800 ml
Sampling Time: 1215 Sampling Date: 1/9/09
Sample I.D.: GW-010909-99481-MW3 Laboratory: Lancaster
Analyzed for: TPH-G BTEX MTBE TPH-D Other: See CoC
Equipment Blank I.D.: @ Time Duplicate I.D.:

ATTACHMENT B

LANCASTER LABORATORY ANALYTICAL REPORT

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared for:

CRA
1420 80th Street SW
Suite A
Everett WA 98203

425-212-5100

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 1127595. Samples arrived at the laboratory on Saturday, January 10, 2009. The PO# for this group is 4011694 and the release number is MTI.

Client Description	Lancaster Labs Number
GW-010909-99481-MW2 Water Sample	5574207
GW-010909-99481-MW3 Water Sample	5574208
GW-010909-99481-MW1 Water Sample	5574209
GW-010909-99481-Trip Water Sample	5574210

ELECTRONIC COPY TO	Chevron c/o CRA	Attn: CRA EDD
ELECTRONIC COPY TO	Chevron c/o CRA	Attn: Michael Browning
ELECTRONIC COPY TO	Chevron c/o CRA	Attn: Christine Schweigert
ELECTRONIC COPY TO	CRA	Attn: Jeffrey A. Cloud

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

Rachel R. Cochis
Group Leader

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5574207 **Group No. 1127595**

GW-010909-99481-MW2 Water Sample
Facility# 99481
647 140th Ave Northeast-Bellevue, WA
Collected:01/09/2009 11:35 by SL

Account Number: 11997

Submitted: 01/10/2009 10:00
Reported: 01/22/2009 at 17:32
Discard: 02/22/2009

CRA
1420 80th Street SW
Suite A
Everett WA 98203

140B2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08357	PAHs in waters by SIM					
08374	Benzo(a)anthracene	56-55-3	N.D.	0.0095	ug/l	1
08375	Chrysene	218-01-9	N.D.	0.0095	ug/l	1
08376	Benzo(b)fluoranthene	205-99-2	N.D.	0.0095	ug/l	1
08377	Benzo(k)fluoranthene	207-08-9	N.D.	0.0095	ug/l	1
08378	Benzo(a)pyrene	50-32-8	N.D.	0.0095	ug/l	1
08379	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0095	ug/l	1
08380	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0095	ug/l	1
06053	BTEX by 8260B					
05401	Benzene	71-43-2	6	0.5	ug/l	1
05407	Toluene	108-88-3	1	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	2	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	12	0.5	ug/l	1

State of Washington Lab Certification No. C259
Carcinogenic PAHs have been reported for this sample.

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	01/13/2009 15:41	Timothy J Trees	1
06053	BTEX by 8260B	SW-846 8260B	1	01/21/2009 12:23	Ginelle L Feister	1
00813	BNA Water Extraction	SW-846 3510C	1	01/12/2009 14:45	Kevin P Love	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	01/21/2009 12:23	Ginelle L Feister	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW5574208 **Group No. 1127595**

GW-010909-99481-MW3 Water Sample
Facility# 99481
647 140th Ave Northeast-Bellevue, WA
Collected:01/09/2009 12:15 by SL

Account Number: 11997

Submitted: 01/10/2009 10:00
Reported: 01/22/2009 at 17:32
Discard: 02/22/2009

CRA
1420 80th Street SW
Suite A
Everett WA 98203

140B3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08357	PAHs in waters by SIM					
08374	Benzo(a)anthracene	56-55-3	N.D.	0.0099	ug/l	1
08375	Chrysene	218-01-9	N.D.	0.0099	ug/l	1
08376	Benzo(b)fluoranthene	205-99-2	N.D.	0.0099	ug/l	1
08377	Benzo(k)fluoranthene	207-08-9	N.D.	0.0099	ug/l	1
08378	Benzo(a)pyrene	50-32-8	N.D.	0.0099	ug/l	1
08379	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0099	ug/l	1
08380	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0099	ug/l	1

State of Washington Lab Certification No. C259
Carcinogenic PAHs have been reported for this sample.

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	01/13/2009 16:13	Timothy J Trees	1
00813	BNA Water Extraction	SW-846 3510C	1	01/12/2009 14:45	Kevin P Love	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW5574209 **Group No. 1127595**

GW-010909-99481-MW1 Water Sample
Facility# 99481
647 140th Ave Northeast-Bellevue, WA
Collected:01/09/2009 12:50 by SL

Account Number: 11997

Submitted: 01/10/2009 10:00
Reported: 01/22/2009 at 17:32
Discard: 02/22/2009

CRA
1420 80th Street SW
Suite A
Everett WA 98203

140B1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08357	PAHs in waters by SIM					
08374	Benzo(a)anthracene	56-55-3	N.D.	0.0098	ug/l	1
08375	Chrysene	218-01-9	N.D.	0.0098	ug/l	1
08376	Benzo(b)fluoranthene	205-99-2	N.D.	0.0098	ug/l	1
08377	Benzo(k)fluoranthene	207-08-9	N.D.	0.0098	ug/l	1
08378	Benzo(a)pyrene	50-32-8	N.D.	0.0098	ug/l	1
08379	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0098	ug/l	1
08380	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0098	ug/l	1

State of Washington Lab Certification No. C259
Carcinogenic PAHs have been reported for this sample.

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	01/13/2009 16:44	Timothy J Trees	1
00813	BNA Water Extraction	SW-846 3510C	1	01/12/2009 14:45	Kevin P Love	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5574210 **Group No. 1127595**

GW-010909-99481-Trip Water Sample
Facility# 99481
647 140th Ave Northeast-Bellevue, WA
Collected:01/09/2009

Account Number: 11997

Submitted: 01/10/2009 10:00
Reported: 01/22/2009 at 17:32
Discard: 02/22/2009

CRA
1420 80th Street SW
Suite A
Everett WA 98203

140TB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06053	BTEX by 8260B					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of Washington Lab Certification No. C259

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06053	BTEX by 8260B	SW-846 8260B	1	01/21/2009 12:48	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	01/21/2009 12:48	Ginelle L Feister	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300. Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Quality Control Summary

Client Name: CRA Group Number: 1127595
Reported: 01/22/09 at 05:32 PM

Matrix QC may not be reported if 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.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 09012WAE026	Sample number(s): 5574207-5574209							
Benzo(a)anthracene	N.D.	0.010	ug/l	92	95	72-114	3	30
Chrysene	N.D.	0.010	ug/l	98	102	76-116	5	30
Benzo(b)fluoranthene	N.D.	0.010	ug/l	97	99	69-123	2	30
Benzo(k)fluoranthene	N.D.	0.010	ug/l	100	101	72-122	1	30
Benzo(a)pyrene	N.D.	0.010	ug/l	84	88	64-115	4	30
Indeno(1,2,3-cd)pyrene	N.D.	0.010	ug/l	96	99	69-124	2	30
Dibenz(a,h)anthracene	N.D.	0.010	ug/l	98	98	71-125	1	30
Batch number: Z090212AA	Sample number(s): 5574207,5574210							
Benzene	N.D.	0.5	ug/l	100		78-119		
Toluene	N.D.	0.5	ug/l	103		85-115		
Ethylbenzene	N.D.	0.5	ug/l	99		82-119		
Xylene (Total)	N.D.	0.5	ug/l	101		83-113		

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: Z090212AA	Sample number(s): 5574207,5574210 UNSPK: P575324								
Benzene	110	109	83-128	1	30				
Toluene	113	111	83-127	2	30				
Ethylbenzene	109	107	82-129	2	30				
Xylene (Total)	110	108	82-130	1	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: PAHs in waters by SIM
Batch number: 09012WAE026

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
5574207	110	82	86
5574208	111	97	95
5574209	101	94	98
Blank	105	97	108

*- 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: CRA Group Number: 1127595
Reported: 01/22/09 at 05:32 PM

Surrogate Quality Control

LCS	102	93	101
LCSD	114	100	106
Limits:	64-147	68-132	69-140

Analysis Name: BTEX by 8260B
Batch number: Z090212AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5574207	88	89	96	91
5574210	89	89	96	89
Blank	88	89	96	90
LCS	88	90	97	91
MS	89	90	97	91
MSD	89	90	97	91
Limits:	80-116	77-113	80-113	78-113

*- 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: 99481
Program Designation: MT2-2
Site Address (street, city, state / county): 647 140th Ave Northeast, Bellevue, WA / King
Chevron PM: Stacie Hartung-Frerichs
Chevron PM Phone No.: 925-842-9655
☐ Retail and Terminal Business Unit (RTBU) Job
☐ Construction/Retail Job

Chevron Consultant: CRA
Address: 1420 80th St SW, Suite A, Everett, WA 98203
Everett, WA 98203
Consultant Contact: Andrea Petrusky
Consultant Phone No. (425)353-6670 x.105
Consultant Project No. 090109-SL3
Sampling Company: Blaine Tech Services
Sampled By (Print): S. Lane
Sampler Signature: SLane

Charge Code: NWRTB-0099481-0-OML
NWRTB 00SITE NUMBER-0- OML
WBS ELEMENTS:
SITE ASSESSMENT: A1L REMEDIATION IMPLEMENTATION: R5L
SITE MONITORING: OML OPERATION MAINTENANCE & MONITORING: M1L

Test America
5755 8th Street E
Tacoma, WA 98424
Contact: Heather Curbow
(253) 922-2310 x130
Heather.Curbow@testamericainc.com

Other Lab

Temp. Blank Check: Time / Temp.

ANALYSES REQUIRED

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

Acct#11997
Cap#1127595
Sample#
5574207-10

Special Instructions

SAMPLE ID: Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	# of Containers	Container Type	TPH-D W/ SILICA GEL CLEANUP (97-602M)	TPH-G (8015M)	8260B BTEX☐ MTBE☐	8260B EDB☐ EDC☐ TBA☐ TAME☐ ETBE☐ ETHANOL☐ FULL LIST☐	METHANOL (8015M)	8270 SIM PAH's☐ cPAH's☐	TOTAL LEAD (6020)	DISSOLVED LEAD (6020)	PCB's (8081*/8082)	HVOC FULL LIST (8260B)	BTEX (8260B)	Notes/Comments
GW-090109-99481-MW2		NA	090109	1135	6							X					X	
GW-090109-99481-MW3		NA	↓	1215	2							X						
GW-090109-99481-MW1		NA		1250	2							X						
GW-090109-99481-T.P		NA	↓	—	4												X	
		NA																
		NA																
		NA																
		NA																
		NA																
		NA																

Relinquished By	Company	Date/Time:	Relinquished To	Company	Date/Time
SLane	BTS				
Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time
Relinquished By	Company	Date/Time	Relinquished To Kaine Kautzman	Company	Date/Time 1/10/09 10:00

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

Sample Integrity: (Check by lab on arrival)
Intact: ✓ On Ice: ✓ Temp: 1.0°C
COC #

Lancaster Laboratories
Explanation of Symbols and Abbreviations

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

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< 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 of gas 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.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

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.

Laboratory Report
Quality Assurance Checklist - Compliance Review

Project Summary

Facility/Project No.:	9-9481/632322
Project Name:	Bellevue
Report Type:	MT2-2
Project Manager:	Elizabeth Rugh

Analytical Laboratory

Laboratory:	Lancaster
Report I.D.:	1127595
Report Date:	1/22/2009
Sample Collection Date:	1/10/2009

Laboratory Report and Compliance Review

HT Met?	Yes	No	If no, explain:
All Requested Analyses Included	Yes	No	If no, explain:
Lab Used Analytical Method Requested:	Yes	No	If no, explain:
Lab Met Requested Detection Limits:	Yes	No	If no, explain:
Reported QC acceptable:	Yes	No	If no, explain:

Field Blanks:	Type	trip blank	Detections	ND
Field Duplicates:	Location	none	RPD < 50%?	

Comments:

Reviewed By: J Cloud

Date: 1/26/2009