

NW2070

release 324012
minit lube #1102
Lynnwood



GROUNDWATER MONITORING REPORT - FIRST QUARTER 2009

FORMER JIFFY LUBE SERVICE STATION
6808 196TH STREET SOUTHWEST
LYNNWOOD, WASHINGTON

SAP CODE 171152
INCIDENT NO. 97605410
AGENCY NO. 27496218
VCP NO. NW2070

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1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell).

1.1 SITE INFORMATION

Site Address	6808 196 th Street Southwest, Lynnwood
Site Use	Former Jiffy Lube Service Station
Shell Project Manager	Carol Compagna
CRA Project Manager	Justin Foslien
Lead Agency and Contact	WDOE, Carrie Pederson
Agency Case No.	27496218
VCP No.	NW2070
Shell SAP Code:	171152
Shell Incident No.	97605410

No agency correspondence on record

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT QUARTER'S ACTIVITIES

Blaine Tech Services, Inc. (Blaine) gauged and sampled wells according to the established monitoring program for this site.

Absorbent socks used to remove separate phase hydrocarbon (SPH) from monitoring were installed at MW-3, MW-4, MW-5 and MW-8 in November 2008.

CRA prepared a vicinity map (Figure 1) and a groundwater elevation and chemical concentration map (Figure 2). CRA prepared Table 1 summarizing groundwater monitoring data and analytical results. Field forms and the laboratory analytical report are included in Appendices A and B, respectively.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Estimated to the southwest
Hydraulic Gradient	0.031 feet/foot
Depth to Water	6.10 to 10.16 feet below top of well casing

2.3 PROPOSED ACTIVITIES FOR NEXT QUARTER

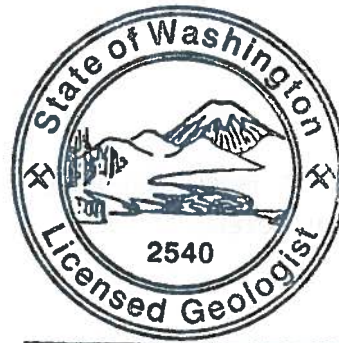
Blaine will gauge and sample wells during the first month of the third quarter of 2009, according to the established monitoring program for this site. The absorbent socks will be disposed of and replaced with new ones each quarter.

2.4 DISCUSSION

Wells MW-1 through MW-10 were gauged for the depth of water on January 6, 2009. All site wells were sampled except MW-3, MW-4 and MW-5, which contained SPH. The groundwater sample from well MW-2 contained concentrations of total petroleum hydrocarbons (TPH) in the gasoline range (TPHg), benzene and ethylbenzene above the Washington State Department of Ecology Model Toxic Control Act (MTCA) Method A cleanup levels. The groundwater sample from well MW-8 had concentrations of TPHg, benzene, TPH in the diesel range (TPHd), toluene and total xylene that exceeded the MTCA Method A cleanup level. Groundwater collected from well MW-10 contained TPHg, benzene, ethylbenzene, toluene and total xylenes which exceeded the MTCA

Method A cleanup level. All other analyte concentrations were below the MTCA Method A cleanup levels.

All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

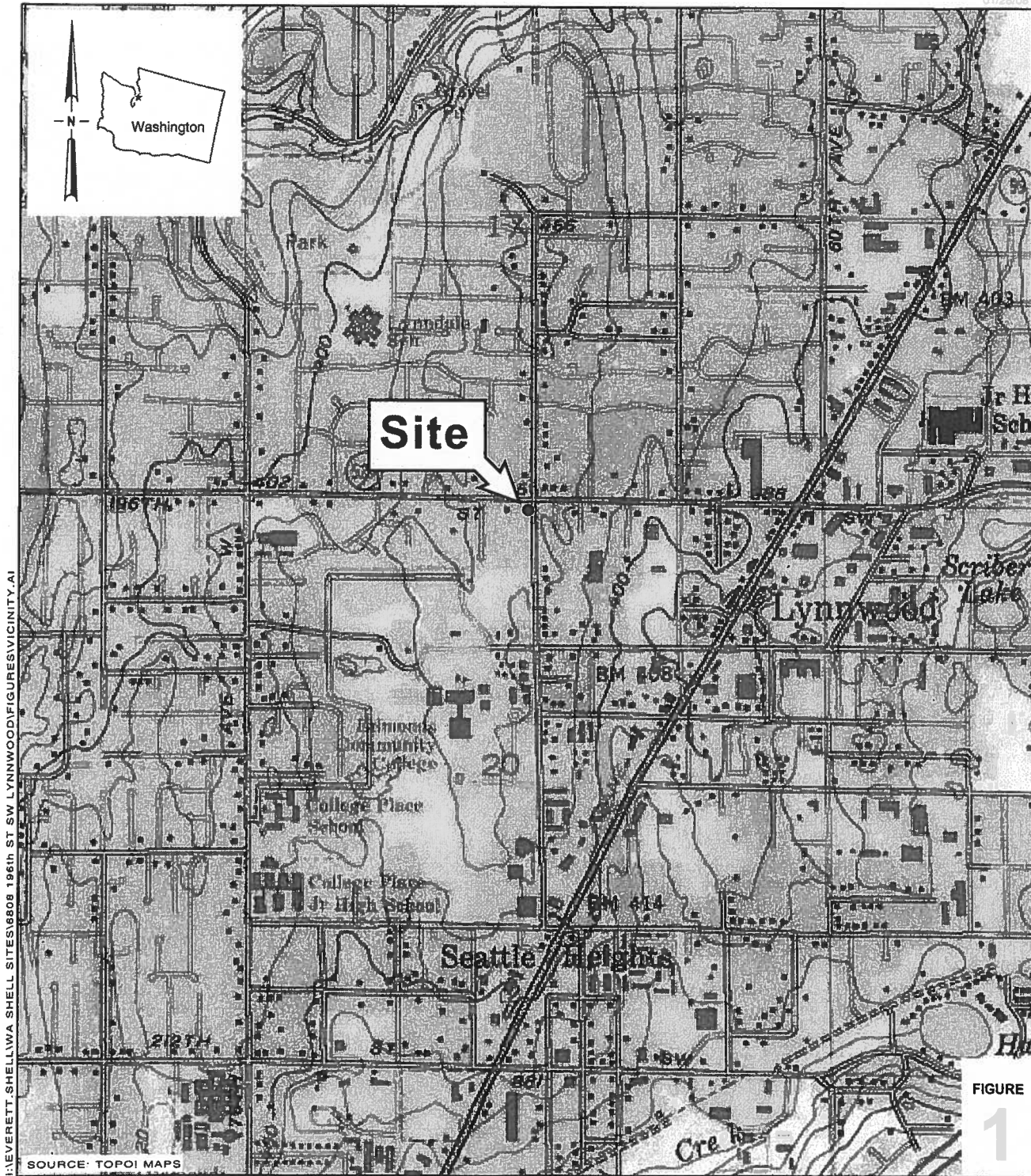


Justin Francis Foslien


Andy Leung


Justin Foslien, LG

FIGURES



NEVERETT, SHELLWA SHELL, SITES\8808 196th ST SW LYNNWOOD\FIGURES\VICINITY.AI

FIGURE 1

Jiffy Lube No. 2069
 6808 196th Street Southwest
 Lynnwood, Washington



**CONESTOGA-ROVERS
 & ASSOCIATES**

Vicinity Map

TABLES

TABLE 1

SUMMARY OF GROUNDWATER MONITORING DATA - PETROLEUM HYDROCARBONS, BTEX, MTBE, AND OXYGENATES

6808 196TH STREET SW,
LYNNWOOD, WASHINGTON

Sample ID	Date	TOC	DTW	GWE	SPH Thickness	TPHg	TPHd	TPHo	Benzene	Toluene	Ethylbenzene	Total Xylenes	TBA	DIPE	ETBE	TAME
	Model Toxics Control Act Method A Cleanup Levels					800/1000*	500	500	5	1000	700	1000				

Notes:

DTW = Depth to Water in feet
 GWE = Groundwater Elevation in feet relative to arbitrary benchmarks
 TOC = Top of Casing in feet relative to arbitrary benchmark
 All results in micrograms per liter (ug/L) unless otherwise indicated.
 TPHg = Total petroleum hydrocarbons as gasoline analyzed by NWTPH-Gx unless otherwise noted.
 TPHd = Total petroleum hydrocarbons as diesel, analyzed by NWTPH-Dx unless otherwise noted.
 TPHo = Total petroleum hydrocarbons as oil, analyzed by NWTPH-Dx unless otherwise noted.
 Benzene, toluene, ethylbenzene, and xylenes analyzed by EPA Method 8260B unless otherwise noted.
 Xylenes = o-xylene + m,p-xylene
 MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B
 TBA = Tertiary-butanol analyzed by EPA Method 8260B
 DIPE = Di-isopropyl ether analyzed by EPA Method 8260B
 ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B
 TAME = Tertiary-amy methyl ether analyzed by EPA Method 8260B
 <x = Not detected at laboratory reporting limit x
 — = Not analyzed

Concentrations in bold type indicate the analyte was detected above MTCA Method A Cleanup levels

- a = Due to multiple re-shots required for re-analysis, the aliquot of sample analyzed on the instrument was taken from a VOA vial containing headspace.
- b = Sample container contained headspace.
- c = Results in the diesel organics range are primarily due to overlap from a gasoline-range product.
- d = Groundwater elevation formula adjusted for the presence of SPH. (TOC - DTW) * (SPHT*0.80)
- e = Hydrocarbon pattern most closely resembles a blend of gasoline and diesel.
- f = The primary contamination elutes between C8 and C28, which is in the diesel range.
- g = The contamination did not match any standard in our library.
- h = The primary contamination elutes between C8 and C14, which is in the mineral spirits range.
- i = The primary contamination elutes between C8 and C16, which is in the kerosene range.

TABLE 1

SUMMARY OF GROUNDWATER MONITORING DATA - PETROLEUM HYDROCARBONS, BTEX, MTBE, AND OXYGENATES

6808 196TH STREET SW,
LYNNWOOD, WASHINGTON

Sample ID	Date	TOC	DTW	GWE	SPH Thickness	TPHg	TPHd	TPHo	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME
	Model Toxics Control Act Method A Cleanup Levels					800/1000"	500	500	5	1000	700	1000	20				
MW-5	09/22/08	451.38	9.18	442.36 d	0.20	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	01/06/09	451.38	7.80	443.60 d	0.02	NOT SAMPLED - SPH PRESENT											
MW-6	07/09/07	449.40	8.33	441.07	0.00	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	07/28/07	449.40	8.61	440.79	0.00	52.4	<253	<505	<0.500	1.25	<0.500	<1.00	---	---	---	---	---
MW-6	10/01/07	449.40	12.22	437.18	0.00	<250	<105	<105	<1.00	<1.00	<1.00	<3.00	---	---	---	---	---
MW-6	01/10/08	449.40	7.86	441.54	0.00	<50.0	<250	<500	<0.500	<0.500	<0.500	<3.00	---	---	---	---	---
MW-6	07/10/08	449.40	7.87	441.53	0.00	<50	<500	<200	<1	<1	<1	<1	---	---	---	---	---
MW-6	01/06/09	449.40	6.10	443.30	0.00	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0
MW-7	07/09/07	450.14	7.81	442.33	0.00	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	07/28/07	450.14	8.03	442.11	0.00	<50.0	<253	<495	<0.500	<0.500	<0.500	<1.00	---	---	---	---	---
MW-7	10/01/07	450.14	11.71	438.43	0.00	<250	<111	<111	1.78	<1.00	<1.00	<3.00	---	---	---	---	---
MW-7	01/10/08	450.14	7.32	442.82	0.00	51.2	<250	<500	68.4	1.26	79.7	110	---	---	---	---	---
MW-7	07/10/08	450.14	7.27	442.87	0.00	<50	<500	<200	<1	<1	<1	<1	---	---	---	---	---
MW-7	01/06/09	450.14	7.07	443.07	0.00	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0
MW-8	07/09/07	451.31	8.63	442.68	0.00	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	07/28/07	451.31	8.97	442.34	0.00	266,000	8,580 e	<5,210	20,500	49,600	3,550	23,000	---	---	---	---	---
MW-8	10/01/07	451.31	12.58	438.73	0.00	181,000	6,540 g.i	<1,110	18,000	32,000	2,250	14,900	---	---	---	---	---
MW-8	01/10/08	451.31	8.16	443.15	0.00	202,000	9,190 c	<4,850	13,400	29,600	2,200	14,000	---	---	---	---	---
MW-8	07/10/08	451.31	8.14	443.18 d	0.01	NOT SAMPLED - SPH PRESENT											
MW-8	08/26/08	451.31	8.30	443.03 d	0.02	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	09/22/08	451.31	8.80	442.52 d	0.01	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	01/06/09	451.31	7.90	443.41	0.00	22,000	6,900	440	2,700	6,300	390	4,300	<20	<200	<40	<40	<40
MW-9	07/09/07	451.75	10.83	440.92	0.00	---	---	---	---	---	---	---	---	---	---	---	---
MW-9	07/28/07	451.75	11.02	440.73	0.00	<50.0	<248	<495	<0.500	<0.500	<0.500	<1.00	---	---	---	---	---
MW-9	10/01/07	451.75	14.07	437.68	0.00	299	174 f.g	<111	5.52	<1.00	<1.00	<3.00	---	---	---	---	---
MW-9	01/10/08	451.75	9.76	441.99	0.00	<238	<238	<476	<0.500	<0.500	<0.500	<3.00	---	---	---	---	---
MW-9	07/10/08	451.75	9.71	442.04	0.00	<50	<500	<1000	<1	<1	<1	<1	---	---	---	---	---
MW-9	01/06/09	451.75	9.35	442.40	0.00	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0
MW-10	07/09/07	451.43	12.44	438.99	0.00	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	07/28/07	451.43	12.77	438.66	0.00	6,570	307 c	<505	299	179	237	615	---	---	---	---	---
MW-10	10/01/07	451.43	14.87	436.56	0.00	27,100	1,820 g.i	<556	1,510	1,220	1,210	2,650	---	---	---	---	---
MW-10	01/10/08	451.43	10.52	440.91	0.00	11,400	<248	<495	316	237	842	604	---	---	---	---	---
MW-10	07/10/08	451.43	11.69	439.74	0.00	1,400	<500	<1000	1,400	1,200	710	2,310	---	---	---	---	---
MW-10	01/06/09	451.43	10.11	441.32	0.00	29,000	120	<100	4,800	1,400	1,800	5,100	<10	<100	<20	<20	<20

TABLE 1

SUMMARY OF GROUNDWATER MONITORING DATA - PETROLEUM HYDROCARBONS, BTEX, MTBE, AND OXYGENATES

6608 196TH STREET SW,
LYNNWOOD, WASHINGTON

Sample ID	Date Model Toxic Control Act Method A Cleanup Levels	TOC	DTW	GWE	SPH Thickness	TPHg 800/1000'	TPHd 500	TPHo 500	Benzene 5	Toluene 1000	Ethyl- benzene 700	Total Xylenes 1000	MTBE 20	TBA	DIPE	ETBE	TAME
MW-4	02/15/07	452.01	9.96	442.05	0.00	253,000 a, b	72,100 c	<50,000	31,500 a, b	40,500 a, b	2,990 a, b	18,100 a, b	<500	<5,000	<100	<100	<100
MW-4	04/06/07	452.01	10.41	441.63 d	0.04	NOT SAMPLED - SPH PRESENT	---	---	---	---	---	---	---	---	---	---	---
MW-4	07/09/07	452.01	10.47	441.56 d	0.03	NOT SAMPLED - SPH PRESENT	---	---	---	---	---	---	---	---	---	---	---
MW-4	07/28/07	452.01	10.81	441.23 d	0.04	NOT SAMPLED - SPH PRESENT	---	---	---	---	---	---	---	---	---	---	---
MW-4	10/01/07	452.01	14.24	437.87 d	0.13	NOT SAMPLED - SPH PRESENT	---	---	---	---	---	---	---	---	---	---	---
MW-4	11/12/07	452.01	13.83	438.31 d	0.16	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	11/20/07	452.01	13.68	438.44 d	0.14	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	11/26/07	452.01	13.52	438.58 d	0.11	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	12/08/07	452.01	12.87	439.22 d	0.10	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	12/14/08	452.01	12.41	439.66 d	0.07	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	12/19/07	452.01	12.33	439.72 d	0.05	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	12/28/07	452.01	12.24	439.80 d	0.04	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	01/10/08	452.01	9.61	442.42 d	0.03	NOT SAMPLED - SPH PRESENT	---	---	---	---	---	---	---	---	---	---	---
MW-4	01/14/08	452.01	9.23	442.80 d	0.02	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	01/21/08	452.01	8.07	443.96 d	0.03	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	02/26/08	452.01	9.03	443.00 d	0.03	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	07/10/08	452.01	9.71	442.41 d	0.14	NOT SAMPLED - SPH PRESENT	---	---	---	---	---	---	---	---	---	---	---
MW-4	08/26/08	452.01	10.52	441.68 d	0.24	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	09/22/08	452.01	11.01	441.27 d	0.34	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	01/06/09	452.01	9.24	442.79 d	0.02	NOT SAMPLED - SPH PRESENT	---	---	---	---	---	---	---	---	---	---	---
MW-5	12/28/06	451.38	8.11	443.27	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	12/29/06	451.38	8.17	443.21	---	122,000	603	<515	7,220	24,400	2,280	13,200	---	---	---	---	---
MW-5	02/15/07	451.38	8.49	442.89	---	771,000 a, b	49,200 c	<5,000	12,800 a, b	43,600 a, b	6,000 a, b	40,700 a, b	<500	<5,000	<100	<100	<100
MW-5	04/06/07	451.38	9.08	442.32 d	0.03	NOT SAMPLED - SPH PRESENT	---	---	---	---	---	---	---	---	---	---	---
MW-5	07/09/07	451.38	9.19	442.21 d	0.03	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	07/28/07	451.38	9.58	441.83 d	0.04	NOT SAMPLED - SPH PRESENT	---	---	---	---	---	---	---	---	---	---	---
MW-5	10/01/07	451.38	13.16	438.28 d	0.08	NOT SAMPLED - SPH PRESENT	---	---	---	---	---	---	---	---	---	---	---
MW-5	11/12/07	451.38	12.74	438.69 d	0.06	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	11/20/07	451.38	12.55	438.89 d	0.08	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	11/26/07	451.38	12.48	438.95 d	0.06	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	12/05/07	451.38	11.74	439.72 d	0.10	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	12/14/07	451.38	11.53	439.90 d	0.06	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	12/19/07	451.38	11.41	440.00 d	0.04	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	12/28/07	451.38	11.29	440.12 d	0.04	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	01/10/08	451.38	8.70	442.70 d	0.02	NOT SAMPLED - SPH PRESENT	---	---	---	---	---	---	---	---	---	---	---
MW-5	01/14/08	451.38	8.70	442.68	0.00	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	01/21/08	451.38	8.00	443.54 d	0.20	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	02/26/08	451.38	8.02	443.50 d	0.17	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	07/10/08	451.38	8.68	442.97 d	0.34	NOT SAMPLED - SPH PRESENT	---	---	---	---	---	---	---	---	---	---	---
MW-5	08/26/08	451.38	8.86	442.73 d	0.26	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 1

SUMMARY OF GROUNDWATER MONITORING DATA - PETROLEUM HYDROCARBONS, BTEX, MTBE, AND OXYGENATES

6808 196TH STREET SW,
LYNNWOOD, WASHINGTON

Sample ID	Date Model Toxics	TOC Control Act Method A Cleanup Levels	DTW	GWE	SPH Thickness	TPH _g 800/1000'	TPH _d 500	TPHo 500	Benzene 5	Toluene 1000	Ethyl- benzene 700	Total Xylenes 1000	MTBE 20	TBA	DIPE	ETBE	TAME
MW-1	12/28/06	451.74	9.75	441.99	0.00	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	12/29/06	451.74	9.57	442.17	0.00	42,100	<255	<510	9,190	2,140	1,090	4,100	--	--	--	--	--
MW-1	02/15/07	451.74	10.10	441.64	0.00	41,200	<269	<538	9,230	1,840	938	3,710	<5.00	54.6	<1.00	<1.00	<1.00
MW-1	04/06/07	451.74	10.71	441.03	0.00	30,200	<258	<515	7,450	732	718	2,310	--	--	--	--	--
MW-1	07/09/07	451.74	10.78	440.96	0.00	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	07/28/07	451.74	11.01	440.73	0.00	5,850	<258	<515	2,400	32.4	131	190	--	--	--	--	--
MW-1	10/01/07	451.74	13.98	437.76	0.00	23,900	1,540 f g	<105	6,270	196	653	1,340	--	--	--	--	--
MW-1	01/10/08	451.74	9.43	442.31	0.00	73,000	<243	<485	16,500	4,010	1,610	6,790	--	--	--	--	--
MW-1	07/10/08	451.74	10.81	440.93	0.00	800	1,400	<300	280	13	2	33	--	--	--	--	--
MW-1	01/06/09	451.74	10.16	441.58	0.00	<100	190	380	0.99	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
MW-2	12/28/06	450.59	7.26	443.33	0.00	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	12/29/06	450.59	7.35	443.24	0.00	2,640	<253	<505	21.7	6.75	55.1	9.91	--	--	--	--	--
MW-2	02/15/07	450.59	8.03	442.56	0.00	249	<278	<556	2.06	<0.500	4.36	<1.00	<5.00	<50.0	<1.00	<1.00	<1.00
MW-2	04/06/07	450.59	8.50	442.09	0.00	180	<258	<515	1.83	0.518	2.61	<1.00	--	--	--	--	--
MW-2	07/09/07	450.59	8.62	441.97	0.00	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	07/28/07	450.59	8.96	441.63	0.00	3,200	<255	<510	66.1	7.86	137	20.4	--	--	--	--	--
MW-2	10/01/07	450.59	12.54	438.05	0.00	3,980	1,080 g h	<105	175	13.7	331	47.4	--	--	--	--	--
MW-2	01/10/08	450.59	7.88	442.71	0.00	5,000	<243	<485	214	9.85	502	71.0	--	--	--	--	--
MW-2	07/10/08	450.59	9.98	440.61	0.00	540	<500	<200	4.9	<1	9.4	<1	--	--	--	--	--
MW-2	01/06/09	450.59	8.18	442.41	0.00	9,200	<100	<100	390	16	840	62	<1.0	<100	<20	<20	<20
MW-3	12/28/06	451.69	8.45	443.24	0.00	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	12/29/06	451.69	8.51	443.18	0.00	171,000	608	<510	28,500	29,200	2,950	15,900	--	--	--	--	--
MW-3	02/15/07	451.69	9.09	442.60	0.00	263,000 a, b	2,580 c	<2,750	29,200	37,400	3,140	18,600	<5.00	<5,000	<100	<100	<100
MW-3	04/06/07	451.69	9.66	442.03	0.00	214,000	867 c	<495	26,600	37,500	2,850	16,800	--	--	--	--	--
MW-3	07/09/07	451.69	9.81	441.88	0.00	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	07/28/07	451.69	10.13	441.56	0.00	248,000	8,340 e	<5,050	28,600	37,400	2,810	12,800	--	--	--	--	--
MW-3	10/01/07	451.69	13.96	437.73	0.00	252,000	185,000 g h	<10,500	29,300	35,200	3,260	19,300	--	--	--	--	--
MW-3	01/10/08	451.69	9.34	442.37 d	0.02	NOT SAMPLED - SPH PRESENT	--	--	--	--	--	--	--	--	--	--	--
MW-3	01/14/08	451.69	9.06	442.63	0.00	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	01/21/08	451.69	8.27	443.42	0.00	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	02/26/08	451.69	8.40	443.30 d	0.01	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	07/10/08	451.69	9.02	442.69 d	0.02	NOT SAMPLED - SPH PRESENT	--	--	--	--	--	--	--	--	--	--	--
MW-3	08/26/08	451.69	9.55	442.16 d	0.02	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	09/22/08	451.69	10.00	441.71 d	0.03	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	01/06/09	451.69	8.47	443.24 d	0.02	NOT SAMPLED - SPH PRESENT	--	--	--	--	--	--	--	--	--	--	--
MW-4	12/28/06	452.01	9.41	442.60	0.00	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	12/29/06	452.01	9.36	442.65	0.00	207,000	1,810	<510	32,400	39,700	3,200	18,800	--	--	--	--	--

APPENDIX A
BLAINE TECH SERVICES, INC. -
FIELD FORMS

SHELL WELL MONITORING DATA SHEET

BTS #: <u>09D106-SLZ</u>	Site: <u>9760 5410</u>
Sampler: <u>SL</u>	Date: <u>1/6/09</u>
Well I.D.: <u>MW-10</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth (TD): <u>20.00</u>	Depth to Water (DTW): <u>10.11</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: ~~Boiler~~
~~Disposable Bailer~~
~~Positive Air Displacement~~
~~Electric Submersible~~

~~Waters~~
~~Peristaltic~~
~~Extraction Pump~~
 Other _____

Sampling Method: ~~Boiler~~
~~Disposable Bailer~~
~~Extraction Port~~
~~Dedicated Tubing~~
 Other: _____

(Gals.) X _____	= _____	Gals.
Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multplier	Well Diameter	Multplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
<u>1240</u>	<u>54.4</u>	<u>7.02</u>	<u>502</u>	<u>10</u>		

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: 1/6/09 Sampling Time: 1240 Depth to Water: _____

Sample I.D.: MW-10 Laboratory: STL SPL Other: GL Science

Analyzed for: TPH-G BTEX MTBE TPH-D Oxy's 1,2-DCA EDB Other: See COL

EB I.D. (if applicable): _____ @ _____ Duplicate I.D. (if applicable): _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxy's 1,2-DCA EDB Other: _____

D.O. (if req'd):	Pre-purge:		mg/L	Post-purge:		mg/L
	O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

SHELL WELL MONITORING DATA SHEET

BTS #: <u>092106-522</u>	Site: <u>9760 5410</u>
Sampler: <u>SL</u>	Date: <u>1/6/09</u>
Well I.D.: <u>MW-9</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth (TD): <u>19.95</u>	Depth to Water (DTW): <u>9.75</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: ~~Bailer~~
~~Disposable Bailer~~
~~Positive Air Displacement~~
~~Electric Submersible~~

~~Waters~~
~~Peristaltic~~
~~Extraction Pump~~
 Other _____

Sampling Method: ~~Bailer~~
~~Disposable Bailer~~
~~Extraction Port~~
~~Dedicated Tubing~~
 Other: _____

(Gals.) X _____	= _____	Gals.
I Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multplier	Well Diameter	Multplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other:	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
<u>1255</u>	<u>54.7</u>	<u>6.25</u>	<u>287</u>	<u>9</u>		

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: 1/6/09 Sampling Time: 1255 Depth to Water: _____

Sample I.D.: MW-9 Laboratory: STL SPL Other: GLS/Signe

Analyzed for: TPH-G BTEX MTBE TPH-D Oxy: 1,2-DCA EDB Other: See Col

EB I.D. (if applicable): _____ @ _____ Duplicate I.D. (if applicable): _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxy: 1,2-DCA EDB Other: _____

D.O. (if req'd): Pre-purge: _____ mg/L Post-purge: _____ mg/L

O.R.P. (if req'd): Pre-purge: _____ mV Post-purge: _____ mV

SHELL WELL MONITORING DATA SHEET

BTS #: <u>090106-512</u>	Site: <u>97605410</u>
Sampler: <u>SL</u>	Date: <u>1/6/09</u>
Well I.D.: <u>MW-8</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth (TD): <u>19.45</u>	Depth to Water (DTW): <u>7.90</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: ~~Bailer~~
~~Disposable Bailer~~
~~Positive Air Displacement~~
~~Electric Submersible~~

Water
 Peristaltic
 Extraction Pump
 Other _____

Sampling Method: ~~Bailer~~
~~Disposable Bailer~~
~~Extraction Port~~
~~Dedicated Tubing~~

Other: _____

(Gals.) X _____	= _____	Gals.
I Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multplier	Well Diameter	Multplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1710	57.5	6.76	247	41		
No SPH detected \rightarrow sock in well \rightarrow replaced @ top of water column						

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: 1/6/09 Sampling Time: 1710 Depth to Water: _____

Sample I.D.: MW-8 Laboratory: STL SPL Other GRiue

Analyzed for: TPH-G BTEX MTBE TPH-D Org's 1,3-DCA EDB Other: See COL

EB I.D. (if applicable): @ _____ Duplicate I.D. (if applicable): _____

Analyzed for: TPH-G BTEX MTBE TPH-D Org's 1,3-DCA EDB Other: _____

D.O. (if req'd): Pre-purge: _____ mg/L Post-purge: _____ mg/L

O.R.P. (if req'd): Pre-purge: _____ mV Post-purge: _____ mV

SHELL WELL MONITORING DATA SHEET

BTS #: <u>090106-512</u>	Site: <u>97605410</u>
Sampler: <u>SL</u>	Date: <u>1/6/09</u>
Well I.D.: <u>MW-7</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth (TD): <u>1960</u>	Depth to Water (DTW): <u>707</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: ~~Bailer~~
~~Disposable Bailer~~
~~Positive Air Displacement~~
~~Electric Submersible~~

~~Waters~~
~~Peristaltic~~
~~Extraction Pump~~
 Other _____

Sampling Method: ~~Bailer~~
~~Disposable Bailer~~
~~Extraction Port~~
~~Dedicated Tubing~~
 Other: _____

(Gals.) X _____	= _____ Gals.	
1 Case Volume	Specified Volume	Calculated Volume

Well Diameter	Multplier	Well Diameter	Multplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other:	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1200	52.1	6.49	471	67		

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: 1/6/09 Sampling Time: 1200 Depth to Water: _____

Sample I.D.: MW-7 Laboratory: STL SPL Other: GL Science

Analyzed for: TPH-G BTX MTBE TPH-D Org's 1,2-DCA EDB Other: See COL

EB I.D. (if applicable): _____ @ _____ Duplicate I.D. (if applicable): _____

Analyzed for: TPH-G BTX MTBE TPH-D Org's 1,2-DCA EDB Other: _____

D.O. (if req'd): Pre-purge: _____ mg/L	Post-purge: _____ mg/L
O.R.P. (if req'd): Pre-purge: _____ mV	Post-purge: _____ mV

SHELL WELL MONITORING DATA SHEET

BTS #: <u>090106-512</u>	Site: <u>97605410</u>
Sampler: <u>SL</u>	Date: <u>1/6/09</u>
Well I.D.: <u>MW-6</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth (TD): <u>19.45</u>	Depth to Water (DTW): <u>6.10</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: ~~Bailer~~
~~Disposable Bailer~~
~~Positive Air Displacement~~
~~Electric Submersible~~

Water
~~Peristaltic~~
~~Extraction Pump~~
 Other _____

Sampling Method: ~~Bailer~~
~~Disposable Bailer~~
~~Extraction Port~~
~~Dedicated Tubing~~

Other: _____

	(Gals.) X _____	= _____	Gals.
I Case Volume	Specified Volumes	Calculated Volume	

Well Diameter	Multplier	Well Diameter	Multplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
<u>1145</u>	<u>57.1</u>	<u>6.29</u>	<u>492</u>	<u>13</u>		

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: 1/6/09 Sampling Time: 1145 Depth to Water: _____

Sample I.D.: MW-6 Laboratory: STL SPL Other: Chlorine

Analyzed for: TPH-G BTEX MTBE TPH-D Oxy's 1,3-DCA EDB Other: See COL

EB I.D. (if applicable): _____ @ _____ Duplicate I.D. (if applicable): _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxy's 1,3-DCA EDB Other: _____

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
------------------	------------	------	-------------	------

O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV
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SHELL WELL MONITORING DATA SHEET

BTS #: <u>090106-512</u>	Site: <u>97605410</u>
Sampler: <u>SL</u>	Date: <u>1/6/09</u>
Well I.D.: <u>MW-5</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth (TD): <u> </u>	Depth to Water (DTW): <u>7.80</u>
Depth to Free Product: <u>7.78</u>	Thickness of Free Product (feet): <u>0.02</u>
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW].	

Purge Method: ~~Bailer~~
~~Disposable Bailer~~
~~Positive Air Displacement~~
~~Electric Submersible~~

Waters
~~Peristaltic~~
~~Extraction Pump~~
 Other:

Sampling Method: ~~Bailer~~
~~Disposable Bailer~~
~~Extraction Port~~
~~Dedicated Tubing~~

Other:

(Gals.) X	=	Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
						<u>SPH in well → No sample</u>
						<u>Back in well → replaced @ top of water column</u>

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 1/6/09 Sampling Time: Depth to Water:

Sample I.D.: MW- Laboratory: STL SPL Other: CLS/Signe

Analyzed for: TPH-G BYEX MTBE TPH-D Oxy's 1,2-DCA EDS Other: See COL

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BYEX MTBE TPH-D Oxy's 1,2-DCA EDS Other:

D.O. (if req'd):	Pre-purge:	<u> </u> mg/L	Post-purge:	<u> </u> mg/L
O.R.P. (if req'd):	Pre-purge:	<u> </u> mV	Post-purge:	<u> </u> mV

SHELL WELL MONITORING DATA SHEET

BTS #: <u>090106-522</u>	Site: <u>97605410</u>
Sampler: <u>SL</u>	Date: <u>1/6/09</u>
Well I.D.: <u>MW-4</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth (TD): <u> </u>	Depth to Water (DTW): <u>9.22</u> 9.24
Depth to Free Product: <u>9.22</u>	Thickness of Free Product (feet): <u>0.02</u>
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer Disposable Bailer Positive Air Displacement Electric Submersible 	 Waters Peristaltic Extraction Pump Other: 	Sampling Method: Bailer Disposable Bailer Extraction Port Dedicated Tubing Other:
---	---	--

(Gals.) X _____ = _____ Gals. Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Well Diameter</th> <th>Multplier</th> <th>Well Diameter</th> <th>Multplier</th> </tr> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </table>	Well Diameter	Multplier	Well Diameter	Multplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multplier	Well Diameter	Multplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
						<u>SPH in well → No sample</u>
						<u>sock in well → replaced @ to d water column</u>

Did well dewater? Yes No	Gallons actually evacuated: _____
Sampling Date: <u>1/6/09</u>	Sampling Time: _____
Sample I.D.: <u>MW-</u>	Depth to Water: _____
	Laboratory: STL SPL Other: <u>CKRigue</u>
Analyzed for: TPH-G BTEX MTBE TPH-D Oxy's 1,2-DCA EDB	Other: <u>See Col</u>
EB I.D. (if applicable): _____	Duplicate I.D. (if applicable): _____
Analyzed for: TPH-G BTEX MTBE TPH-D Oxy's 1,2-DCA EDB	Other: _____
D.O. (if req'd): Pre-purge: _____ mg/L	Post-purge: _____ mg/L
O.R.P. (if req'd): Pre-purge: _____ mV	Post-purge: _____ mV

SHELL WELL MONITORING DATA SHEET

BTS #: <u>092106-522</u>	Site: <u>97605410</u>
Sampler: <u>SL</u>	Date: <u>1/6/09</u>
Well I.D.: <u>MW-3</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth (TD): _____	Depth to Water (DTW): <u>8.47</u>
Depth to Free Product: <u>08.45</u>	Thickness of Free Product (feet): <u>0.02</u>
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____	

Purge Method: ~~Bailer~~
~~Disposable Bailer~~
~~Positive Air Displacement~~
~~Electric Submersible~~

~~Waters~~
~~Peristaltic~~
~~Extraction Pump~~
 Other: _____

Sampling Method: ~~Bailer~~
~~Disposable Bailer~~
~~Extraction Port~~
~~Dedicated Tubing~~
 Other: _____

(Gals.) X _____	=	Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
						<u>SPH in well → No Sample</u>
						<u>sock in well → replaced @ top of water column</u>

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: 1/6/09 Sampling Time: _____ Depth to Water: _____

Sample I.D.: MW-3 Laboratory: STL SPL Other: GL Science

Analyzed for: TPH-G BTEX MTBE TPH-D Org's 1,2-DCA EDB Other: See COL

EB I.D. (if applicable): _____ @ _____ Duplicate I.D. (if applicable): _____

Analyzed for: TPH-G BTEX MTBE TPH-D Org's 1,2-DCA EDB Other: _____

D.O. (if req'd):	Pre-purge: _____ mg/L	Post-purge: _____ mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV	Post-purge: _____ mV

SHELL WELL MONITORING DATA SHEET

BTS #: <u>OP106-522</u>	Site: <u>97605410</u>
Sampler: <u>SL</u>	Date: <u>1/6/09</u>
Well I.D.: <u>MW-2</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth (TD): <u>17.40</u>	Depth to Water (DTW): <u>08.18</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: ~~Bailer~~
~~Disposable Bailer~~
~~Positive Air Displacement~~
~~Electric Submersible~~

Water
 Peristaltic
 Extraction Pump
 Other _____

Sampling Method: ~~Bailer~~
~~Disposable Bailer~~
 Extraction Port
 Dedicated Tubing

Other: _____

(Gals.) X _____	= _____ Gals.	
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other:	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
<u>1215</u>	<u>53.7</u>	<u>6.52</u>	<u>672</u>	<u>49</u>		

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: 1/6/09 Sampling Time: 1215 Depth to Water: _____

Sample I.D.: MW-2 Laboratory: STL SPL Other: GL Science

Analyzed for: TPH-G BTEX MTBE TPH-D O₂ 1,2-DCA EDB Other: See CPL

EB I.D. (if applicable): _____ @ _____ Duplicate I.D. (if applicable): _____

Analyzed for: TPH-G BTEX MTBE TPH-D O₂ 1,2-DCA EDB Other: _____

D.O. (if req'd):	Pre-purge: _____ mg/L	Post-purge: _____ mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV	Post-purge: _____ mV

SHELL WELL MONITORING DATA SHEET

BTS #: <u>090106-SLZ</u>	Site: <u>97605410</u>
Sampler: <u>SL</u>	Date: <u>1/6/09</u>
Well I.D.: <u>MW-1</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth (TD): <u>24.80</u>	Depth to Water (DTW): <u>10.16</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: ~~Boiler~~
~~Disposable Bailer~~
~~Positive Air Displacement~~
~~Electric Submersible~~

Waters
 Peristaltic
 Extraction Pump
 Other _____

Sampling Method: ~~Boiler~~
~~Disposable Bailer~~
~~Extraction Port~~
~~Dedicated Tubing~~

Other: _____

(Gals.) X _____	= _____ Gals.	
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multplier	Well Diameter	Multplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other:	radius * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1240	54.8	7.02	178	8		

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: 1/6/09 Sampling Time: 1240 Depth to Water: _____

Sample I.D.: MW-1 Laboratory: STL SPL Other: GL Science

Analyzed for: TPH-G BTEX MTBE TPH-D Oxy: I,2-DCA EOB Other: See COL

EB I.D. (if applicable): _____ @ _____ Duplicate I.D. (if applicable): _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxy: I,2-DCA EOB Other: _____

D.O. (if req'd): Pre-purge: _____ mg/L Post-purge: _____ mg/L

O.R.P. (if req'd): Pre-purge: _____ mV Post-purge: _____ mV

WELL GAUGING DATA

Project # 090106-512 Date 1/6/09 Client Shell

Site 6808 195th LYMANWOOD

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: <u>TOP of AOC</u>	Notes
MW-1	1275	2					10.16	24.80	↓	
MW-2	1209	2					8.18	17.40		
MW-3	1315	2		8.45	0.02		8.47	—		
MW-4	1321	2		9.22	0.02		9.24	—		
MW-5	1328	2		7.86	0.02		7.80	—		
MW-6	1141	2					6.10	19.45		
MW-7	1155	2					7.07	19.60		
MW-8	1206	2					7.90	19.45		
MW-9	1249	2					9.35	19.95		
MW-10	1222	2					10.11	20.00		

WELLHEAD INSPECTION FORM

Client: Shell Site: 9765410 Date: 1/6/09
 Job #: AD106-922 Technician: _____ Page: 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Check indicates deficiency										Well Not Inspected (explain in notes)	Notes <small>(let 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)</small>		
		Cap non-functional	Lock non-functional	Lock missing	Seals missing (list qty.)	Tubes stripped (list qty.)	Tubes broken (list qty.)	Annular seal incomplete	Aguron damaged	Flam / Lid broken	Trip Hazard			Below Grade	Other (explain in notes)
MW-1															lock
MW-2															lock
MW-3	X														
MW-4	X														
MW-5	X														
MW-6					2/3										lock
MW-7															lock
MW-8	X														
MW-9															lock
MW-10															lock

Notes: _____

Shell Oil Products Chain Of Custody Record



LAB (LOCATION)

- CALIFORNIA
- ALASKA
- ARIZONA
- ARKANSAS
- CALIFORNIA
- COLORADO
- CONNECTICUT
- DELAWARE
- FLORIDA
- GEORGIA
- ILLINOIS
- INDIANA
- IOWA
- KANSAS
- KENTUCKY
- LOUISIANA
- MARYLAND
- MASSACHUSETTS
- MICHIGAN
- MINNESOTA
- MISSISSIPPI
- MISSOURI
- MONTANA
- NEBRASKA
- NEVADA
- NEW HAMPSHIRE
- NEW JERSEY
- NEW YORK
- NORTH CAROLINA
- NORTH DAKOTA
- OHIO
- OKLAHOMA
- OREGON
- PENNSYLVANIA
- RHODE ISLAND
- SOUTH CAROLINA
- SOUTH DAKOTA
- TENNESSEE
- TEXAS
- UTAH
- VERMONT
- VIRGINIA
- WASHINGTON
- WEST VIRGINIA
- WISCONSIN
- WYOMING

- Please Check Appropriate Box:
- ENV. SERVICES
 - HOTWAX RETAIL
 - HOTWAX RETAIL
 - CONSULTANT
 - LUBES
 - SHELL PIPELINE
 - OTHER

Print Bill To Contact Name: **Carol Compagna**

PO # _____

SAP # _____

INCIDENT # (ENV. SERVICES) **9 7 6 0 5 4 1 0**

DATE: **1/8/09**

PAGE: **1** of **1**

CHECK IF NO INCIDENT APPLIES

Blaine Tech Services
1680 Rogers Avenue, San Jose, Ca
PHONE: 916-925-2813 FAX: 916-925-2891

Blaine Tech Services
6808 196th Street SW, Lynnwood, WA
PHONE: 425-212-5100

Christina Schweigert, CRA, Everett
SUPERVISOR

STATE: WA COUNTY: WA

LAB USE ONLY: **290106-512**

Blaine Tech Services
1680 Rogers Avenue, San Jose, Ca
PHONE: 916-925-2813 FAX: 916-925-2891

Blaine Tech Services
6808 196th Street SW, Lynnwood, WA
PHONE: 425-212-5100

Christina Schweigert, CRA, Everett
SUPERVISOR

STATE: WA COUNTY: WA

LAB USE ONLY: **290106-512**

REQUESTED ANALYSIS

TEMPERATURE ON RECEIPT _____

Condenser PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	PRESERVATIVE				No. of Cont.
		DATE	TIME		NCL	HEXCH	HSCA	HOUSE	
	MW-6	1/6/09	145	W	X	X	X	X	5
	MW-7	1/20	1200	W	X	X	X	X	5
	MW-2	1/25	1245	W	X	X	X	X	5
	MW-10	1/20	1230	W	X	X	X	X	5
	MW-1	1/20	1240	W	X	X	X	X	5
	MW-9	1/25	1355	W	X	X	X	X	5
	MW-8	1/31	1310	W	X	X	X	X	5

Requested by: (Signature) **[Signature]**

Requested by: (Signature)

Requested by: (Signature)

DATE RECEIVED: _____

TIME RECEIVED: _____

DATE RECEIVED: _____

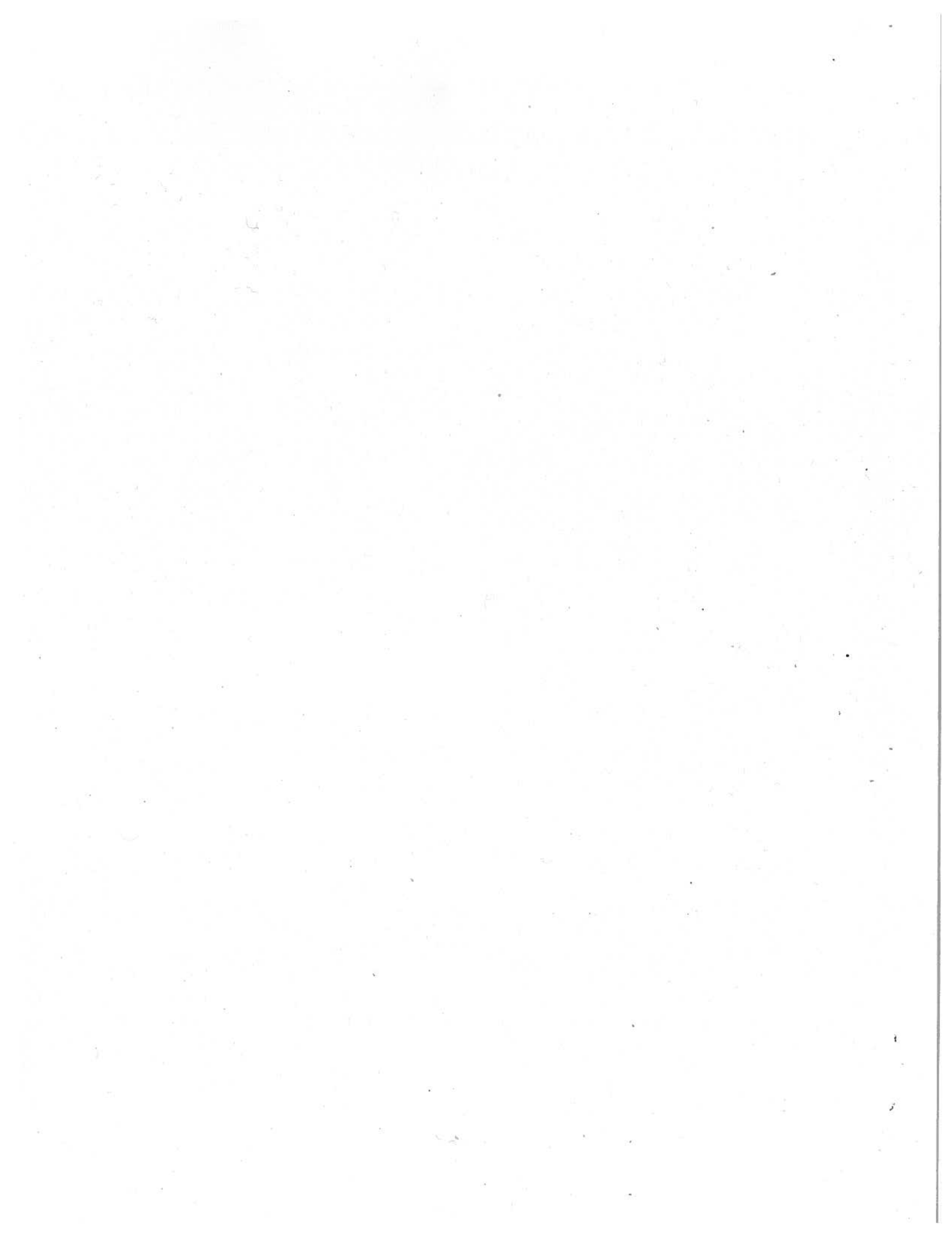
TIME RECEIVED: _____

DATE RECEIVED: _____

TIME RECEIVED: _____

Employee Name: BTS Employee Number: 6808 18874 24111000 Position: SALES Date: 1/6/09		Return Call: yes Damage Claims: yes
<input checked="" type="checkbox"/> SAFETY VEST <input type="checkbox"/> PROTECTIVE CLOTHING	<input checked="" type="checkbox"/> HARD HAT <input checked="" type="checkbox"/> GLOVES	<input type="checkbox"/> HEARING PROTECTION <input type="checkbox"/> WELDING PPE
<input checked="" type="checkbox"/> SHOES & BOOTS <input checked="" type="checkbox"/> SAFETY GLASSES/OCULARS	<input type="checkbox"/> RESPIRATOR <input type="checkbox"/> OTHER	
Work description requirements: <input type="checkbox"/> Work at heights of 6 feet or more on open steel - no closed steel or 20% guard <input type="checkbox"/> Trenching or excavation related to underground tank / product line <input type="checkbox"/> Heavy Lifting	Lifting: no 20% required Drilling: no 20% required Welding: no 20% required	Additional: no 20% required <input type="checkbox"/> Work in confined spaces (e.g. tank, manhole or deep manhole entry) <input type="checkbox"/> Hot work with use of product or vapor (e.g. welding) <input type="checkbox"/> LFG system depending on location or maintenance
Permitting: no required by the Representative Non-permitting: no required by Contractor Representative	Contractor representative name: S. Lane Title: SC20	Contractor representative name: S. Lane Title: SC20
GENERAL SAFETY CHECKS: • Has the personnel been informed? • Has hot delivery service been informed? • Has hot delivery done? • Have hot delivery procedures been agreed - hot delivery staff? • Are work areas restricted off to permit workers, the staff & safety? • Check:	GENERAL SAFETY CHECKS: • Has the work area been hot tag and lock? • Are all personnel aware of risks of work including (including lockout)? • Are changes to equipment documented and communicated? • If lockout, are lockouts, watch rotations reported? • Other:	GENERAL SAFETY CHECKS: • Has the work area been hot tag and lock? • Are all personnel aware of risks of work including (including lockout)? • Are changes to equipment documented and communicated? • If lockout, are lockouts, watch rotations reported? • Other:
Other: coffee shop		

The contractor through its authorized representative shall sign, issue and be fully responsible for all job-clearance forms and the obligations arising there under applicable to the work. This form cannot be signed until the contractor has fully understood the work to be performed and the obligations arising there under applicable to the work. The Site Representative responsible for contractor to sign shall ensure that the contractor or any of its workers are fully in compliance with the requirements of the applicable safety requirements.



Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
 AULSCIENCE ()
 SPL Houston ()
 XENCO ()
 TEST AMERICA ()
 OTHER ()



Please Check Appropriate Box:
 BIV. SERVICES
 MOTIVA RETAIL
 MOTIVA SUBCA
 SHELL PIPELINE
 SHELL RETAIL
 CONSULTANT
 OTHER

Print Bill To Contact Name:
 Carol Compagna
 PO # _____
 SAP # _____

INCIDENT # (ENV SERVICES) 9 7 6 0 5 4 1 0
 CHECK IF NO INCIDENT APPLIES
 DATE: 1/8/09
 PAGE: 1 of 1

Blairia Tech Services
 1680 Rogers Avenue, San Jose, Ca
 PROJECT CONTACT (Person or POC - Print It)
 Dan Koskela
 TELEPHONE 916-925-2913
 FAX 916-925-2891
 E-MAIL dkoskela@blairiatech.com
 TURNAROUND TIME (CALENDAR DAYS):
 STANDARD (4 DAY) 5 DAYS 2 DAYS 24 HOURS RESULTS NEEDED ON WEEKEND
 IA - RWQCS REPORT FORMAT UST AGENCY:
 SPECIAL INSTRUCTIONS OR NOTES:
 See Calcscience PM for WA Dept. of Ecology MTCA Method A cleanup levels for minimum detection limits

SITE ADDRESS, Street and City
 6808 196th Street SW, Lynnwood WA
 STATE WA
 COUNTY KING
 ZIP CODE 98048
 PROJECT ID 425-212-5100
 CONTACT NAME Christiana Schwelbert, CRA, Everett
 PHONE 425-212-5100
 E-MAIL cschwelbert@CRAworld.com
 LAB USE ONLY
 DATE 01-01-0418
 S. Lane

LAB USE ONLY	Field Sample Identification		MATRIX	PRESERVATIVE				NO. OF CONT.	TEMPERATURE ON RECEIPT °C	Container PID Readings or Laboratory Notes
	DATE	TIME		HCL	HA/CO	MISOL	ROSE			
1	MW-6	1/6/09 1145	W	X	X	X	X	5		
2	MW-7	1/20/09 1200	W	X	X	X	X	5		
3	MW-2	1/25/09 1245	W	X	X	X	X	5		
4	MW-10	1/20/09 1230	W	X	X	X	X	5		
5	MW-1	1/20/09 1240	W	X	X	X	X	5		
6	MW-9	1/25/09 1255	W	X	X	X	X	5		
7	MW-8	1/31/09 1310	W	X	X	X	X	5		

Requested Analysis:
 Total Lead (6020)
 PCBs (6082)
 PAHs (6070 SIM)
 VOCs Full list (8260B)
 Pst (8080)
 NMTPH-VPH
 NMTPH-EPH
 n-Hexane (9071B)

Date: 1/8/09
 Time: 1000

Signature: [Handwritten Signature]

Signature: [Handwritten Signature]

Signature: [Handwritten Signature]

866863765097

APPENDIX B

LABORATORY ANALYSIS REPORT



**CONESTOGA-ROVERS
& ASSOCIATES**

526 Commerce Center - Building B
1420 80th Street SW, Suite A
Everett, Washington 98203
Telephone: (425) 212-5100 Fax: (425) 212-5199
www.CRAworld.com

Filing: Correspondence File



**CONESTOGA-ROVERS
& ASSOCIATES**

526 Commerce Center - Building B
1420 80th Street SW, Suite A
Everett, Washington 98203
Telephone: (425) 212-5100 Fax: (425) 212-5199
www.CRAworld.com

TRANSMITTAL

DATE: March 26, 2009 REFERENCE NO.: 241739
PROJECT NAME: 6808 196th Street SW, Lynnwood, WA
TO: Carrie Pederson
Department of Ecology
3190 160th Ave. SE
Bellevue, WA 98008-5452

RECEIVED
APR 01 2009
DEPT. OF ECOLOGY
TCP-NWRO

Please find enclosed: Draft Final
 Originals Other
 Prints

Sent via: Mail Same Day Courier
 Overnight Courier Other Livelinek

QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report - First Quarter 2009

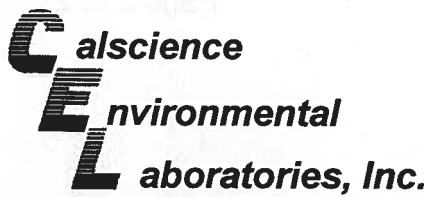
As Requested For Review and Comment
 For Your Use _____

COMMENTS:

Copy to: Ms. Carol Campagna, Shell Oil
Products US; Mr. Rick Megenity,
Strickland Corporation

Completed by: Andy Leung
[Please Print]

Signed: 



January 21, 2009

Dan Koskela
Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Subject: **Calscience Work Order No.: 09-01-0418**
Client Reference: **6808 196th Street SW, Lynnwood, WA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 1/8/2009 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in cursive script that reads "Philip Samelle for".

Calscience Environmental
Laboratories, Inc.
Jessie Kim
Project Manager

Analytical Report


Blaine Tech Services, Inc.
 1680 Rogers Avenue
 San Jose, CA 95112-1105

Date Received: 01/08/09
 Work Order No: 09-01-0418
 Preparation: EPA 5030B
 Method: NWTPH-Gx

Project: 6808 196th Street SW, Lynnwood, WA

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-6	09-01-0418-1-C	01/06/09 11:45	Aqueous	GC-29	01/13/09	01/13/09 23:39	090113B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	92	38-134	

MW-7	09-01-0418-2-C	01/06/09 12:00	Aqueous	GC 29	01/13/09	01/14/09 00:13	090113B01
------	----------------	-------------------	---------	-------	----------	-------------------	-----------

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	98	38-134	

MW-2	09-01-0418-3-C	01/06/09 12:15	Aqueous	GC 29	01/13/09	01/14/09 01:21	090113B01
------	----------------	-------------------	---------	-------	----------	-------------------	-----------

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	9200	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	242	38-134	2

MW-10	09-01-0418-4-C	01/06/09 12:30	Aqueous	GC 30	01/15/09	01/16/09 04:15	090115B01
-------	----------------	-------------------	---------	-------	----------	-------------------	-----------

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	29000	10000	100		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	38-134	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Blaine Tech Services, Inc.
 1680 Rogers Avenue
 San Jose, CA 95112-1105

Date Received: 01/08/09
 Work Order No: 09-01-0418
 Preparation: EPA 5030B
 Method: NWTPH-Gx

Project: 6808 196th Street SW, Lynnwood, WA

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1	09-01-0418-5-C	01/08/09 12:40	Aqueous	GC 29	01/13/09	01/14/09 02:28	090113B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	97	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-9	09-01-0418-6-C	01/08/09 12:55	Aqueous	GC 29	01/13/09	01/14/09 03:02	090113B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	58	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-8	09-01-0418-7-C	01/06/09 13:10	Aqueous	GC 30	01/15/09	01/16/09 04:49	090115B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	22000	10000	100		ug/L

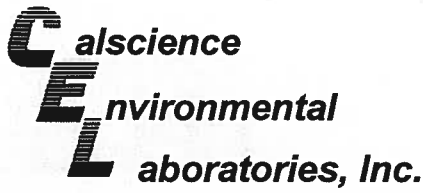
Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-743-108	N/A	Aqueous	GC 29	01/13/09	01/13/09 13:31	090113B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	103	38-134	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Blaine Tech Services, Inc.
 1680 Rogers Avenue
 San Jose, CA 95112-1105

Date Received: 01/08/09
 Work Order No: 09-01-0418
 Preparation: EPA 5030B
 Method: NWTPH-Gx

Project: 6808 196th Street SW, Lynnwood, WA

Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-743-110	N/A	Aqueous	GC 30	01/15/09	01/15/09 15:23	090115B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	88	38-134	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Blaine Tech Services, Inc.
 1680 Rogers Avenue
 San Jose, CA 95112-1105

Date Received: 01/08/09
 Work Order No: 09-01-0418
 Preparation: EPA 3510C
 Method: NWTPH-Dx
 Units: ug/L

Project: 6808 196th Street SW, Lynnwood, WA

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-6	09-01-0418-1-E	01/06/09 11:45	Aqueous	GC 47	01/10/09	01/12/09 23:31	090110B09

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPH as Diesel Range	ND	100	1		TPH as Motor Oil Range	ND	100	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control</u>		<u>Qual</u>					
		<u>Limits</u>							
Decachlorobiphenyl	79	68-140							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-7	09-01-0418-2-E	01/06/09 12:00	Aqueous	GC 47	01/10/09	01/12/09 23:47	090110B09

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPH as Diesel Range	ND	100	1		TPH as Motor Oil Range	ND	100	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control</u>		<u>Qual</u>					
		<u>Limits</u>							
Decachlorobiphenyl	77	68-140							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-2	09-01-0418-3-E	01/06/09 12:15	Aqueous	GC 47	01/10/09	01/13/09 00:03	090110B09

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPH as Diesel Range	ND	100	1		TPH as Motor Oil Range	ND	100	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control</u>		<u>Qual</u>					
		<u>Limits</u>							
Decachlorobiphenyl	75	68-140							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-10	09-01-0418-4-E	01/06/09 12:30	Aqueous	GC 47	01/10/09	01/13/09 00:19	090110B09

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

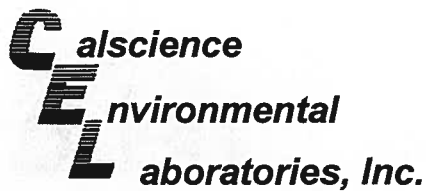
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPH as Diesel Range	120	100	1		TPH as Motor Oil Range	ND	100	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control</u>		<u>Qual</u>					
		<u>Limits</u>							
Decachlorobiphenyl	84	68-140							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1	09-01-0418-5-E	01/06/09 12:40	Aqueous	GC 47	01/10/09	01/13/09 00:35	090110B09

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPH as Diesel Range	190	100	1		TPH as Motor Oil Range	380	100	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control</u>		<u>Qual</u>					
		<u>Limits</u>							
Decachlorobiphenyl	73	68-140							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 01/08/09
Work Order No: 09-01-0418
Preparation: EPA 3510C
Method: NWTPH-Dx
Units: ug/L

Project: 6808 196th Street SW, Lynnwood, WA

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-9	09-01-0418-6-E	01/06/09 12:55	Aqueous	GC 47	01/10/09	01/13/09 00:51	090110B09

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPH as Diesel Range	ND	100	1		TPH as Motor Oil Range	ND	100	1	
Surrogates:	REC (%)	Control Limits		Qual					
Decachlorobiphenyl	74	68-140							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-8	09-01-0418-7-E	01/06/09 13:10	Aqueous	GC 47	01/10/09	01/13/09 01:07	090110B09

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard.

Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

-The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPH as Diesel Range	6900	100	1		TPH as Motor Oil Range	440	100	1	
Surrogates:	REC (%)	Control Limits		Qual					
Decachlorobiphenyl	73	68-140							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-840-35	N/A	Aqueous	GC 47	01/10/09	01/12/09 21:33	090110B09

Parameter	Result	RL	DF	Qual
TPH as Diesel Range	ND	100	1	
Surrogates:	REC (%)	Control Limits		Qual
Decachlorobiphenyl	91	68-140		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Blaine Tech Services, Inc.
 1680 Rogers Avenue
 San Jose, CA 95112-1105

Date Received: 01/08/09
 Work Order No: 09-01-0418
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/L

Project: 6808 196th Street SW, Lynnwood, WA

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-6	09-01-0418-1-B	01/06/09 11:45	Aqueous	GC/MS QQ	01/09/09	01/09/09 14:28	090109L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	98	82-130			1,2-Dichloroethane-d4	92	75-141		
Toluene-d8	97	83-113			1,4-Bromofluorobenzene	84	70-118		

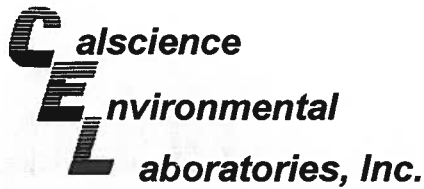
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-7	09-01-0418-2-B	01/06/09 12:00	Aqueous	GC/MS QQ	01/09/09	01/09/09 16:02	090109L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	96	82-130			1,2-Dichloroethane-d4	92	75-141		
Toluene-d8	97	83-113			1,4-Bromofluorobenzene	84	70-118		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-2	09-01-0418-3-B	01/06/09 12:15	Aqueous	GC/MS QQ	01/09/09	01/09/09 16:25	090109L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	390	5.0	10		Tert-Butyl Alcohol (TBA)	ND	100	10	
Ethylbenzene	840	10	10		Diisopropyl Ether (DIPE)	ND	20	10	
Toluene	16	10	10		Ethyl-t-Butyl Ether (ETBE)	ND	20	10	
Xylenes (total)	62	10	10		Tert-Amyl-Methyl Ether (TAME)	ND	20	10	
Methyl-t-Butyl Ether (MTBE)	ND	10	10						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	98	82-130			1,2-Dichloroethane-d4	92	75-141		
Toluene-d8	97	83-113			1,4-Bromofluorobenzene	89	70-118		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 01/08/09
Work Order No: 09-01-0418
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: 6808 196th Street SW, Lynnwood, WA

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-10	09-01-0418-4-B	01/06/09 12:30	Aqueous	GC/MS QQ	01/09/09	01/09/09 16:49	090109L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	4800	50	100		Tert-Butyl Alcohol (TBA)	ND	100	10	
Ethylbenzene	1800	10	10		Diisopropyl Ether (DIPE)	ND	20	10	
Toluene	1400	10	10		Ethyl-t-Butyl Ether (ETBE)	ND	20	10	
Xylenes (total)	5100	100	100		Tert-Amyl-Methyl Ether (TAME)	ND	20	10	
Methyl-t-Butyl Ether (MTBE)	ND	10	10						
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
Dibromofluoromethane	97	82-130			1,2-Dichloroethane-d4	91	75-141		
Toluene-d8	97	83-113			1,4-Bromofluorobenzene	91	70-118		

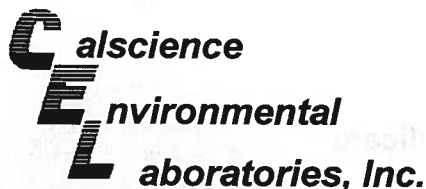
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1	09-01-0418-5-B	01/06/09 12:40	Aqueous	GC/MS QQ	01/11/09	01/12/09 06:17	090111L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.99	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1						
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
Dibromofluoromethane	103	82-130			1,2-Dichloroethane-d4	94	75-141		
Toluene-d8	98	83-113			1,4-Bromofluorobenzene	85	70-118		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-9	09-01-0418-6-B	01/06/09 12:55	Aqueous	GC/MS QQ	01/09/09	01/09/09 17:35	090109L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1						
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
Dibromofluoromethane	96	82-130			1,2-Dichloroethane-d4	90	75-141		
Toluene-d8	97	83-113			1,4-Bromofluorobenzene	84	70-118		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 01/08/09
Work Order No: 09-01-0418
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: 6808 196th Street SW, Lynnwood, WA

Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-8	09-01-0418-7-B	01/08/09 13:10	Aqueous	GC/MS QQ	01/09/09	01/09/09 17:59	090109L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2700	10	20		Tert-Butyl Alcohol (TBA)	ND	200	20	
Ethylbenzene	390	20	20		Diisopropyl Ether (DIPE)	ND	40	20	
Toluene	6300	100	100		Ethyl-t-Butyl Ether (ETBE)	ND	40	20	
Xylenes (total)	4300	20	20		Tert-Amyl-Methyl Ether (TAME)	ND	40	20	
Methyl-t-Butyl Ether (MTBE)	ND	20	20						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
Dibromofluoromethane	97	82-130			1,2-Dichloroethane-d4	94	75-141		
Toluene-d8	98	83-113			1,4-Bromofluorobenzene	91	70-118		

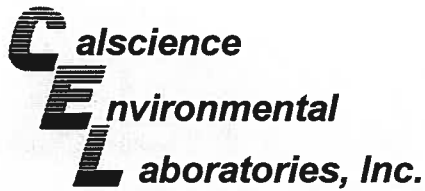
Method Blank	099-10-006-28,057	N/A	Aqueous	GC/MS QQ	01/09/09	01/09/09 14:05	090109L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
Dibromofluoromethane	99	82-130			1,2-Dichloroethane-d4	94	75-141		
Toluene-d8	97	83-113			1,4-Bromofluorobenzene	83	70-118		

Method Blank	099-10-006-28,064	N/A	Aqueous	GC/MS QQ	01/11/09	01/12/09 00:29	090111L02
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
Dibromofluoromethane	103	82-130			1,2-Dichloroethane-d4	96	75-141		
Toluene-d8	97	83-113			1,4-Bromofluorobenzene	84	70-118		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Quality Control - Spike/Spike Duplicate



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

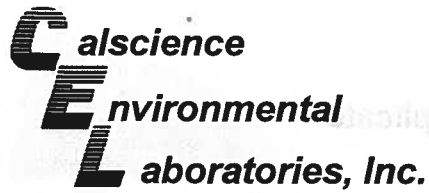
Date Received: 01/08/09
Work Order No: 09-01-0418
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project 6808 196th Street SW, Lynnwood, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-01-0581-3	Aqueous	GC 29	01/13/09	01/13/09	090113S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	99	99	68-122	0	0-18	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

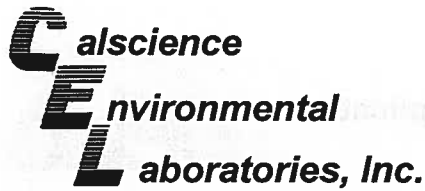
Date Received: 01/08/09
Work Order No: 09-01-0418
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project 6808 196th Street SW, Lynnwood, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-01-0456-1	Aqueous	GC 30	01/15/09	01/15/09	090115S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	84	83	68-122	1	0-18	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 01/08/09
Work Order No: 09-01-0418
Preparation: EPA 5030B
Method: EPA 8260B

Project 6808 196th Street SW, Lynnwood, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-6	Aqueous	GC/MS QQ	01/09/09	01/09/09	090109S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	97	93	88-118	4	0-7	
Carbon Tetrachloride	102	98	67-145	5	0-11	
Chlorobenzene	98	96	88-118	1	0-7	
1,2-Dibromoethane	86	83	70-130	3	0-30	
1,2-Dichlorobenzene	92	93	86-116	0	0-8	
1,1-Dichloroethene	104	102	70-130	2	0-25	
Ethylbenzene	95	93	70-130	2	0-30	
Toluene	95	92	87-123	3	0-8	
Trichloroethene	94	91	79-127	3	0-10	
Vinyl Chloride	97	96	69-129	2	0-13	
Methyl-t-Butyl Ether (MTBE)	89	86	71-131	4	0-13	
Tert-Butyl Alcohol (TBA)	89	86	36-168	4	0-45	
Diisopropyl Ether (DIPE)	98	95	81-123	3	0-9	
Ethyl-t-Butyl Ether (ETBE)	94	91	72-126	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	83	82	72-126	1	0-12	
Ethanol	103	101	53-149	2	0-31	

RPD - Relative Percent Difference, CL - Control Limit

Quality Control - Spike/Spike Duplicate


Blaine Tech Services, Inc.
 1680 Rogers Avenue
 San Jose, CA 95112-1105

Date Received: 01/08/09
 Work Order No: 09-01-0418
 Preparation: EPA 5030B
 Method: EPA 8260B

Project 6808 196th Street SW, Lynnwood, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-01-0679-7	Aqueous	GC/MS QQ	01/11/09	01/12/09	090111S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	92	94	88-118	2	0-7	
Carbon Tetrachloride	94	96	67-145	3	0-11	
Chlorobenzene	91	94	88-118	3	0-7	
1,2-Dibromoethane	90	91	70-130	1	0-30	
1,2-Dichlorobenzene	86	87	86-116	0	0-8	
1,1-Dichloroethene	101	103	70-130	2	0-25	
Ethylbenzene	85	89	70-130	4	0-30	
Toluene	90	92	87-123	2	0-8	
Trichloroethene	87	88	79-127	2	0-10	
Vinyl Chloride	93	93	69-129	0	0-13	
Methyl-t-Butyl Ether (MTBE)	98	100	71-131	2	0-13	
Tert-Butyl Alcohol (TBA)	94	96	36-168	2	0-45	
Diisopropyl Ether (DIPE)	101	101	81-123	1	0-9	
Ethyl-t-Butyl Ether (ETBE)	100	101	72-126	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	85	88	72-126	3	0-12	
Ethanol	116	120	53-149	3	0-31	

RPD - Relative Percent Difference, CL - Control Limit



Quality Control - LCS/LCS Duplicate



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

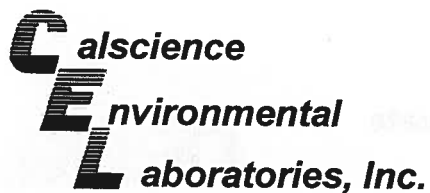
Date Received: N/A
Work Order No: 09-01-0418
Preparation: EPA 5030B
Method: NWTPH-Gx

Project: 6808 196th Street SW, Lynnwood, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-743-108	Aqueous	GC 29	01/13/09	01/13/09	090113B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	101	101	78-120	0	0-10	

RPD - Relative Percent Difference, CL - Control Limit



Quality Control - LCS/LCS Duplicate



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

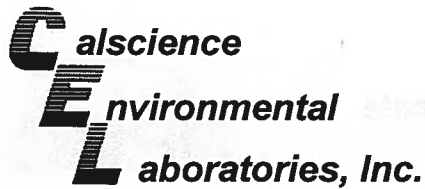
Date Received: N/A
Work Order No: 09-01-0418
Preparation: EPA 5030B
Method: NWTPH-Gx

Project: 6808 196th Street SW, Lynnwood, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-743-110	Aqueous	GC 30	01/15/09	01/15/09	090115B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	89	78	78-120	14	0-10	X

RPD - Relative Percent Difference, CL - Control Limit



Quality Control - LCS/LCS Duplicate



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

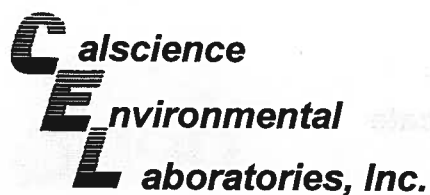
Date Received: N/A
Work Order No: 09-01-0418
Preparation: EPA 3510C
Method: NWTPH-Dx

Project: 6808 196th Street SW, Lynnwood, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-840-35	Aqueous	GC 47	01/10/09	01/12/09	090110B09

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel Range	85	97	75-117	13	0-13	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: N/A
Work Order No: 09-01-0418
Preparation: EPA 5030B
Method: EPA 8260B

Project: 6808 196th Street SW, Lynnwood, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-10-006-28,057	Aqueous	GC/MS QQ	01/09/09	01/09/09	090109L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	96	93	84-120	78-126	4	0-8	
Carbon Tetrachloride	105	100	63-147	49-161	5	0-10	
Chlorobenzene	100	97	89-119	84-124	3	0-7	
1,2-Dibromoethane	94	88	80-120	73-127	7	0-20	
1,2-Dichlorobenzene	94	93	89-119	84-124	1	0-9	
1,1-Dichloroethene	106	102	77-125	69-133	4	0-16	
Ethylbenzene	98	94	80-120	73-127	4	0-20	
Toluene	96	92	83-125	76-132	4	0-9	
Trichloroethene	95	90	89-119	84-124	5	0-8	
Vinyl Chloride	96	94	63-135	51-147	3	0-13	
Methyl-t-Butyl Ether (MTBE)	90	89	82-118	76-124	1	0-13	
Tert-Butyl Alcohol (TBA)	84	87	46-154	28-172	3	0-32	
Diisopropyl Ether (DIPE)	101	99	81-123	74-130	2	0-11	
Ethyl-t-Butyl Ether (ETBE)	99	97	74-122	66-130	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	85	83	76-124	68-132	2	0-10	
Ethanol	92	98	60-138	47-151	7	0-32	

Total number of LCS compounds : 16

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: N/A
Work Order No: 09-01-0418
Preparation: EPA 5030B
Method: EPA 8260B

Project: 6808 196th Street SW, Lynnwood, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-10-006-28,064	Aqueous	GC/MS QQ	01/11/09	01/11/09	090111L02		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	94	95	84-120	78-126	2	0-8	
Carbon Tetrachloride	96	96	63-147	49-161	0	0-10	
Chlorobenzene	94	94	89-119	84-124	1	0-7	
1,2-Dibromoethane	90	89	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	89	89	89-119	84-124	0	0-9	
1,1-Dichloroethene	101	103	77-125	69-133	1	0-16	
Ethylbenzene	86	88	80-120	73-127	2	0-20	
Toluene	91	93	83-125	76-132	2	0-9	
Trichloroethene	93	93	89-119	84-124	0	0-8	
Vinyl Chloride	91	91	63-135	51-147	1	0-13	
Methyl-t-Butyl Ether (MTBE)	102	101	82-118	76-124	0	0-13	
Tert-Butyl Alcohol (TBA)	101	97	46-154	28-172	4	0-32	
Diisopropyl Ether (DIPE)	104	104	81-123	74-130	0	0-11	
Ethyl-t-Butyl Ether (ETBE)	102	102	74-122	66-130	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	87	88	76-124	68-132	0	0-10	
Ethanol	122	115	60-138	47-151	6	0-32	

Total number of LCS compounds : 16

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

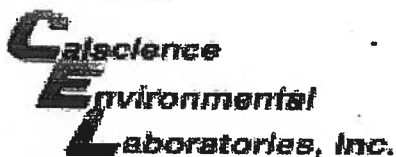
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 09-01-0418

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.



WORK ORDER #: 09-01-0418

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Blaine Beck

DATE: 01/08/09

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen)

Temperature 3.1 °C - 0.2°C (CF) = 2.9 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter Metals Only PCBs Only

Initial: JB

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A

Initial: JB

Sample _____ No (Not Intact) Not Present

Initial: WB

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Correct containers and volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Volatile analysis container(s) free of headspace.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve EnCores® TerraCores® _____

Water: VOA VOAh VOAna₂ 125AGB 125AGBh 125AGBpo₄ 1AGB 1AGBna₂

1AGBs 500AGB 500AGBs 250CGB 250CGBs 1PB 500PB 500PBna 250PB

250PBn 125PB 125PBzanna 100PBsterile 100PBna₂ _____ _____ _____

Air: Tedlar® Summa® _____

Checked/Labeled by: WB

Container: C:Clear A:Amber P:Poly/Plastic G:Glass J:Jar B:Bottle

Reviewed by: [Signature]

Preservative: h:HCL n:HNO₃ na₂:Na₂S₂O₃ na:NaOH po₄:H₃PO₄ s:H₂SO₄ zanna:ZnAc₂+NaOH

Scanned by: WB

