NW 2070

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: October 25, 2010

REFERENCE NO.: 241739

PROJECT NAME: 6808 196th Street SW, Lynnwood, WA

TO: Department of Ecology - NWRO
Attn: Libby Goldstein
3190 160th Ave. SE
Bellevue, WA 98008-5452

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1	2010 Annual Groundwater Monitoring Report

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- ☐ For Your Use
- ☐ For Review and Comment
- ☐
- ☐

COMMENTS:

Copy to: Mr. Perry Pineda, Shell Oil Products US (Livelink)
Bob Cahill, Heartland Automotive Services, Inc.

Completed by: Heather Bays [Please Print]

Signed: Heather Bays

2010 ANNUAL GROUNDWATER MONITORING REPORT

FORMER JIFFY LUBE FACILITY
6808 196th STREET SOUTHWEST
LYNNWOOD, WASHINGTON

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

Prepared by:
Conestoga-Rovers & Associates

20818 44th Avenue West,
Suite 190
Lynnwood, Washington
U.S.A. 98036

Office: 425-563-6500
Fax: 425-563-6599

web: http:\\www.CRAworld.com

OCTOBER 25, 2010
REF. NO. 241739 (6)
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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 (SOPUS). This annual report includes all monitoring data collected in 2010.

1.1 SITE INFORMATION

Site Address	6808 196th Street Southwest, Lynnwood
Site Use	Former Jiffy Lube Facility
Shell Project Manager	Perry Pineda
CRA Project Manager	Christina McClelland
Lead Agency and Contact	WDOE, Libby Goldstein
Agency Case No.	27496218
Shell SAP Code:	171152
Shell Incident No.	97605410
VCP No.	NW2070

The most recent agency correspondence on record is from March 5, 2009.

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT ACTIVITIES

Blaine Tech Services, Inc. (Blaine) gauged and sampled wells according to the established monitoring program for this site. Sampling was suspended during the first quarter of 2010 so that further site investigation work could be completed. Quarterly bailing of SPH from monitoring wells MW-3, MW-4, and MW-5 was also conducted.

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

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2.2 FINDINGS

Quarter/Date	3rd/July 29, 2010
Groundwater Flow Direction	southwest
Hydraulic Gradient	0.04 feet/foot
Depth to Water	7.69 to 11.86 feet below top of well casing

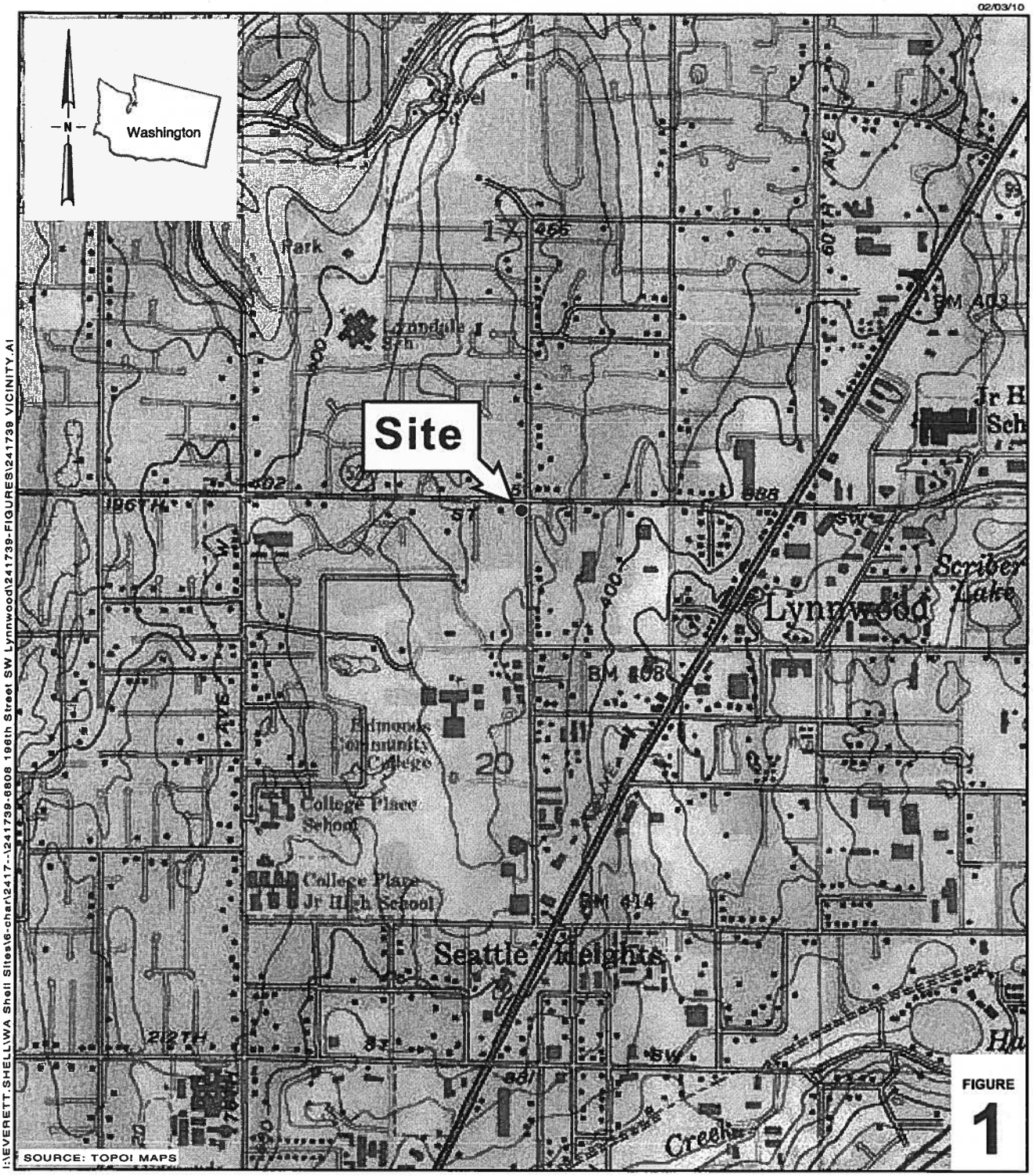
All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Heather Bays

Christina McClelland

FIGURES

02/03/10



I:\EVERETT.SHELL\WA Shell Sites\6-char\2417--\241739-6808 196th Street SW Lynnwood\241739-FIGURES\241738 VICINITY.AI

FIGURE 1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Former Jiffy Lube Facility

6808 196th Street Southwest

Lynnwood, Washington

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

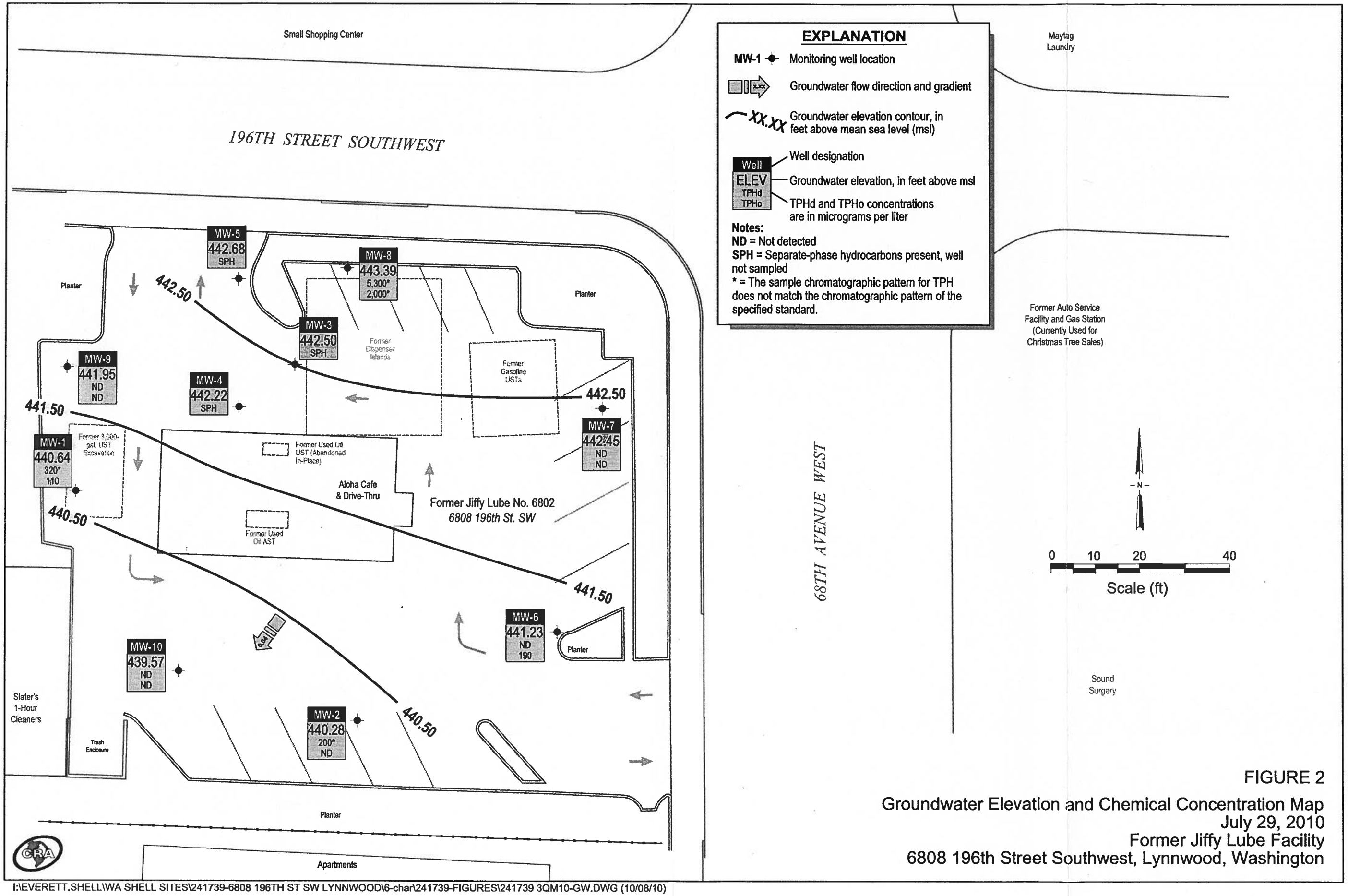


FIGURE 2

Groundwater Elevation and Chemical Concentration Map
July 29, 2010
Former Jiffy Lube Facility
6808 196th Street Southwest, Lynnwood, Washington

I:\EVERETT.SHELL\WA SHELL SITES\241739-6808 196TH ST SW LYNNWOOD\6-char\241739-FIGURES\241739 3QM10-GW.DWG (10/08/10)

TABLES

TABLE 1

SUMMARY OF GROUNDWATER MONITORING DATA
FORMER JIFFY LUBE FACILITY
6808 196TH STREET SOUTHWEST,
LYNNWOOD, WASHINGTON

Sample ID	Date	TOC	DTW	GWE	SPH Thickness	HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD
Model Toxics Control Act Method A Cleanup Levels						TPHg 800/1000	TPHd 500	TPHo 500	B 5	T 1000	E 700	X 1000	EDB 0.01	EDC 5	MTBE 20	TBA NE	DIPE NE	ETBE NE	TAME NE	Total 15
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 m	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 m	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 m	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 m	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	1	<1.0	<1.0	<1.0	—	—	<1.0	<10	<2.0	<2.0	<2.0	—
MW-1 *	07/13/09	451.74	11.14	440.60	0.00	7,500	2,800 j	<100	1,200	60	220	470	<0.010	<0.29	—	—	—	—	—	3.33
MW-1	07/29/10	451.74	11.10	440.64	0.00	—	320 j	110	32	2.9	17	48	—	—	—	—	—	—	—	—
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 m	21.7	6.75	55.1	9.91	—	—	—	—	—	—	—	—
MW-2	02/15/07	450.59	8.03	442.56	0.00	249	<278	<556 m	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 m	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 m	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	62.0	—	—	<10	<100	<20	<20	<20	—
MW-2	07/13/09	450.59	10.66	439.93	0.00	320	210 j	<100	3.8	<1.0	3.3	<1.0	<0.010	<0.50	—	—	—	—	—	<1.00
MW-2	07/29/10	450.59	10.31	440.28	0.00	—	200 j	<100	2.1	<1.0	<1.0	<1.0	—	—	—	—	—	—	—	—
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 m	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 m	29,200	37,400	3,140	18,600	—	—	<500 m	<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 m	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 m	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-3	07/29/10	451.69	9.21	442.50 d	0.03	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 m	32,400	39,700	3,200	18,800	—	—	—	—	—	—	—	—
MW-4	02/15/07	452.01	9.96	442.05	0.00	253,000 a, b	72,100 c	<50,000 m	31,500 a, b	40,500 a, b	2,990 a, b	18,100 a, b	—	—	<500 m	<5,000	<100	<100	<100	—

TABLE 1

SUMMARY OF GROUNDWATER MONITORING DATA
FORMER JIFFY LUBE FACILITY
6808 196TH STREET SOUTHWEST,
LYNNWOOD, WASHINGTON

						HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD
Sample ID	Date	TOC	DTW	GWE	SPH Thickness	TPHg	TPHd	TPHo	B	T	E	X	EDB	EDC	MTBE	TBA	DIPE	ETBE	TAME	Total
Model Toxics Control Act Method A Cleanup Levels						800/1000	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15
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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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-4	07/29/10	452.01	9.81	442.22 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 m	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 m	12,800 a, b	43,600 a, b	6,000 a, b	40,700 a, b	—	—	<500 m	<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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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-5	07/29/10	451.38	8.72	442.68 d	0.02	NOT SAMPLED - SPH PRESENT														
MW-6	07/09/07	449.40	8.33	441.07	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE 1

SUMMARY OF GROUNDWATER MONITORING DATA
FORMER JIFFY LUBE FACILITY
6808 196TH STREET SOUTHWEST,
LYNNWOOD, WASHINGTON

Sample ID	Date	TOC	DTW	GWE	SPH Thickness	HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD
Model Toxics Control Act Method A Cleanup Levels						TPHg 800/1000	TPHd 500	TPHo 500	B 5	T 1000	E 700	X 1000	EDB 0.01	EDC 5	MTBE 20	TBA NE	DIPE NE	ETBE NE	TAME NE	Total 15
MW-6	07/28/07	449.40	8.61	440.79	0.00	52.4	<253	<505 m	<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-6	07/13/09	449.40	8.47	440.93	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	<1.00
MW-6	07/29/10	449.40	8.17	441.23	0.00	—	<100	190	<0.50	<1.0	<1.0	<1.0	—	—	—	—	—	—	—	—
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-7	07/13/09	450.14	7.70	442.44	0.00	—	—	—	2.7	<1.0	<1.0	<1.0	—	—	—	—	—	—	—	<1.00
MW-7	07/29/10	450.14	7.69	442.45	0.00	—	<100	<100	<0.50	<1.0	<1.0	<1.0	—	—	—	—	—	—	—	—
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 m	20,500	43,600	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 m	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 m	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-8	07/29/10	451.31	7.92	443.39	0.00	—	5,300 j	2,000 j	18,000	40,000	17,000	110,000	—	—	—	—	—	—	—	—
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	<50.0	<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	<1,000 m	<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-9	07/13/09	451.75	9.94	441.81	0.00	—	—	—	<0.50	<1.0	<1.0	<1.0	—	—	—	—	—	—	—	<1.00
MW-9	07/29/10	451.75	9.80	441.95	0.00	—	<100	<100	<0.50	<1.0	<1.0	<1.0	—	—	—	—	—	—	—	—
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 m	299	179	237	615	—	—	—	—	—	—	—	—
MW-10	10/01/07	451.43	14.87	436.56	0.00	27,100	1,820 g,i	<556 m	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	<1,000 m	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	—
MW-10 *	07/13/09	451.43	12.31	439.12	0.00	4,800	<100	<100	1,600	260	190	1,000	<0.010	<1.5	—	—	—	—	—	1.02
MW-10	07/29/10	451.43	11.86	439.57	0.00	—	<100	<100	240	9.9	45	89	—	—	—	—	—	—	—	—
SB-3 n	05/10/10	—	—	—	0.00	360	1,600 j	<100	170	<1.0	<1.0	<1.0	—	—	—	—	—	—	—	—

TABLE 1

SUMMARY OF GROUNDWATER MONITORING DATA
FORMER JIFFY LUBE FACILITY
6808 196TH STREET SOUTHWEST,
LYNNWOOD, WASHINGTON

						HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD
Sample ID	Date	TOC	DTW	GWE	SPH Thickness	TPHg	TPHd	TPHo	B	T	E	X	EDB	EDC	MTBE	TBA	DIPE	ETBE	TAME	Total
Model Toxics Control Act Method A Cleanup Levels						800/1000	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15
SB-4 n	05/10/10	—	—	—	0.00	180	2,400 j	<100	<0.5	<1.0	<1.0	<1.0	—	—	—	—	—	—	—	—

Notes:

DTW = Depth to Water in feet
GWE = Groundwater Elevation in feet above mean sea level
TOC = Top of Casing in feet above mean sea level
SPH = Separate Phase Hydrocarbons
MTCA = Model Toxics Control Act
All results in micrograms per liter (µg/L) unless otherwise indicated.
TPHg = Total petroleum hydrocarbons as gasoline analyzed by NWTPH-Gx unless otherwise noted. The higher value is based on the assumption that no benzene is present in the groundwater sample. If any detectable amount of benzene is present in the groundwater sample, then the lower TPHg cleanup level is applicable.
TPHd = Total petroleum hydrocarbons as diesel, analyzed by NWTPH-Dx with silica gel cleanup unless otherwised noted.
TPHo = Total petroleum hydrocarbons as oil, analyzed by NWTPH-Dx with silica gel cleanup unless otherwised noted.
VOCs = Volatile organic compounds
BTEX = 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
EDB = 1,2-Dibromoethane analyzed by EPA Method 8011
EDC = 1,2-Dichloroethane 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-amyl methyl ether analyzed by EPA Method 8260B
Total Lead analyzed by EPA Method 6020 unless otherwise noted.
<x = Not detected at laboratory reporting limit x
NE = Not established
— = 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 reported 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.
j = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard.
m = The laboratory reporting limit exceeded the MTCA Method A cleanup level.
n = Grab groundwater sample taken from temporary well. Sample ID is abbreviated from *GW-241739-051010-HB-[Unique ID]*.

* = Sample also analyzed for one or more of the following: carcinogenic polycyclic aromatic hydrocarbons (cPAHs) by EPA Method 8270C-SIM, polychlorinated biphenyls (PCBs) by EPA Method 8082, and halogenated volatile organic compounds (HVOCs) by EPA Method 8260B. For those constituents analyzed, no concentrations exceeded the laboratory MDL. Please see applicable laboratory report(s) for more information.

APPENDIX A

FIELD FORMS

Job Clearance Form

Station #	Station Address: 6808 196th Lynnwood	Work Order Number: 100729-GZ	Date: 7/29/10
Contractor Company Name: BAS	Contractor person in Charge (print name): G. Lane	Number of Workers: 1	
Problem/Work Description: Sample 10 wells		Start Time: 1200	End Time: 1400

Return Call: yes / no
Damage Claim: yes / no

Contractor to complete the section below. Required PPE:

- [x] SAFETY VEST
- [ ] PROTECTIVE CLOTHING
- [x] HARD HAT
- [x] GLOVES
- [x] SHOES & BOOTS
- [x] SAFETY GLASSES/GOGGLES
- [ ] HEARING PROTECTION
- [ ] WELDING PPE
- [x] RESPIRATOR
- [ ] OTHER

Work documentation requirements

Examples of Medium/Higher Risk tasks:

Lower Risk – no JSA required | Medium Risk – JSA required | Higher Risk – JSA required & appropriate check list completed (see below)

- ☐ Work at heights (in all cases on open sites – on closed sites if no JSA present)
- ☐ Trenching or excavation related to underground tank / product line
- ☐ Heavy lifting
- ☐ Work in confined spaces (e.g. tank, interceptor or deep manhole entry)
- ☐ Hot work with risk of product or vapor ignition
- ☐ LPG system dispensing installation or maintenance

This form must be completed for each job and updated and re-signed if circumstances change or additional hazards identified.

SIGN IN

Operating sites: to be signed by the Site Representative
Non-operating sites: to be signed by Contractor Representative only

Contractor representative name	Signature
G. Lane	G. Lane

GENERAL SAFETY CHECKS

- Have all site personnel been informed?
- Has fuel delivery service been informed?
- Is a fuel delivery due?
- Have isolation procedures been agreed – lock out/tag out?
- Are work areas cordoned off to protect workers, site staff & public?
- Other

Site representative name	Signature
coffee	shop

SIGN OUT

GENERAL SAFETY CHECKS

- Has the work area been left tidy and safe?
- Are site personnel aware of status of work including remaining isolation?
- Are changes to equipment documented and communicated?
- All incidents, near incidents, unsafe situations reported?
- Other

Contractor signature
G. Lane

Site representative name	Signature

The contractor through its authorized representative shall sign, issue and be solely responsible for all job clearance forms and the obligations arising there under applicable to the work.
This form covers important reminders and is not intended to relieve the contractor from safely performing the work in compliance with all applicable laws and regulations.
The Site Representative may require the contractor to stop work if it appears that the contractor or any of its workers are failing to comply with the requirements in the applicable terms of this form or other applicable safety requirements.

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- [x] CALSCIENCE
- [ ] SPL Houston
- [ ] XENCO
- [ ] TEST AMERICA
- [ ] OTHER

Please Check Appropriate Box:
- [ ] ENV. SERVICES
- [ ] MOTIVA RETAIL
- [ ] SHELL RETAIL
- [ ] MOTIVA SD&CM
- [x] CONSULTANT
- [ ] LUBES
- [ ] SHELL PIPELINE
- [ ] OTHER

Print Bill To Contact Name: Jeff Cloud - 241739

INCIDENT # (ENV SERVICES): 9 7 6 0 5 4 1 0 — [ ] CHECK IF NO INCIDENT # APPLIES

DATE: 7/29/10

PO #: 4 0 4 0 1 9 8 9 0

SAP #: 1 7 1 1 5 2

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services

LOG CODE:

SITE ADDRESS: Street and City: 6808 196th Street SW, Lynnwood

STATE: WA

GLOBAL ID NO.: NA

ADDRESS: 1680 Rogers Avenues, San Jose, Ca

EDF DELIVERABLE TO (Name, Company, Office Location): Christine Schweigert, CRA, Everett

PHONE NO.: 425-212-5100

E-MAIL: cschweigert@CRAworld.com

CONSULTANT PROJECT NO.: 100327-542 / 241739-2009-2

PROJECT CONTACT (Hardcopy or PDF Report to): Dan Koskela - Copy to shell.lab.billing@craworld.com

TELEPHONE: 916-925-2913x101

FAX: 916-925-2891

E-MAIL: dkoskela@blainetech.com

SAMPLER NAME(S) PRINT: S. Lane

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
- [x] STANDARD (14 DAY)
- [ ] 5 DAYS
- [ ] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

- [ ] LA - RWQCB REPORT FORMAT
- [ ] UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES:
Please send an additional copy of Lab Results to:
shell.lab.billing@craworld.com

See Calscience PM for WA Dept. of Ecology MTCA Method A cleanup levels for minimum detection limits

- [x] SHELL CONTRACT RATE APPLIES
- [ ] STATE REIMBURSEMENT RATE APPLIES
- [ ] EDD NOT NEEDED
- [x] RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	NWTPH-Gx	NWTPH-Dx w/Silica Gel Cleanup	BTEX (8260B)	5 Oxygenates, MTBE, TBA, DIPE, TAME, ETBE (8260B)	EDB, EDC (8260B)	TPH-G	Total Lead (6020)	PCBs (8082)	PAHs (8070 SIM)	VOCs Full list (8260B)	Pest (8080)	NWTPH-VPH	NWTPH-EPH	n-Hexane (8071B)	TEMPERATURE ON RECEIPT C°	Container PID Readings or Laboratory Notes
	MW-6	7/29/10	1210	W	X			X		5		X	X			X										
	MW-7		1220	W	X			X		5		X	X			X										
	MW-2		1235	W	X			X		5		X	X			X										
	MW-10		1245	W	X			X		5		X	X			X										
	MW-1		1300	W	X			X		5		X	X			X										
	MW-9		1310	W	X			X		5		X	X			X										
	MW-8		1325	W	X			X		5		X	X			X										

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S. Lane	Fed Ex	7/29/10	1700

05/2006 Revision

WELLHEAD INSPECTION FORM

Client: Shell Site: 9760540 Date 7/29/10

Job #: 100729-SL2 Technician: SL 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	X														labeled MW-3
MW-3	X														labled MW-2
MW-4	X														
MW-5	X														
MW-6	X														
MW-7	X														
MW-8	X														
MW-9	X														
MW-10	X														

Notes:

SPH or Purge Water Drum Log

Client: Shell

Site Address: 6808 196th SW Lynnwood

STATUS OF DRUM(S) UPON ARRIVAL						
Date	7/29/10					
Number of drum(s) empty:						
Number of drum(s) 1/4 full:						
Number of drum(s) 1/2 full:						
Number of drum(s) 3/4 full:						
Number of drum(s) full:						
Total drum(s) on site:	6					
Are the drum(s) properly labeled?						
Drum ID & Contents:						
If any drum(s) are partially or totally filled, what is the first use date:						

- If you add any SPH to an empty or partially filled drum, drum must have at least 20 gals. of Purgewater or DI Water.

-If drum contains SPH, the drum MUST be steel AND labeled with the appropriate label.

-All BTS drums MUST be labeled appropriately.

STATUS OF DRUM(S) UPON DEPARTURE						
Date	7/29/10					
Number of drums empty:						
Number of drum(s) 1/4 full:	1					
Number of drum(s) 1/2 full:						
Number of drum(s) 3/4 full:						
Number of drum(s) full:						
Total drum(s) on site:	1					
Are the drum(s) properly labeled?	yes					
Drum ID & Contents:	SPH + PW					

LOCATION OF DRUM(S)
Describe location of drum(s): In trash compound see MFP

FINAL STATUS						
Number of new drum(s) left on site this event	1					
Date of inspection:	7/29/10					
Drum(s) labelled properly:	yes					
Logged by BTS Field Tech:	GL					
Office reviewed by:						

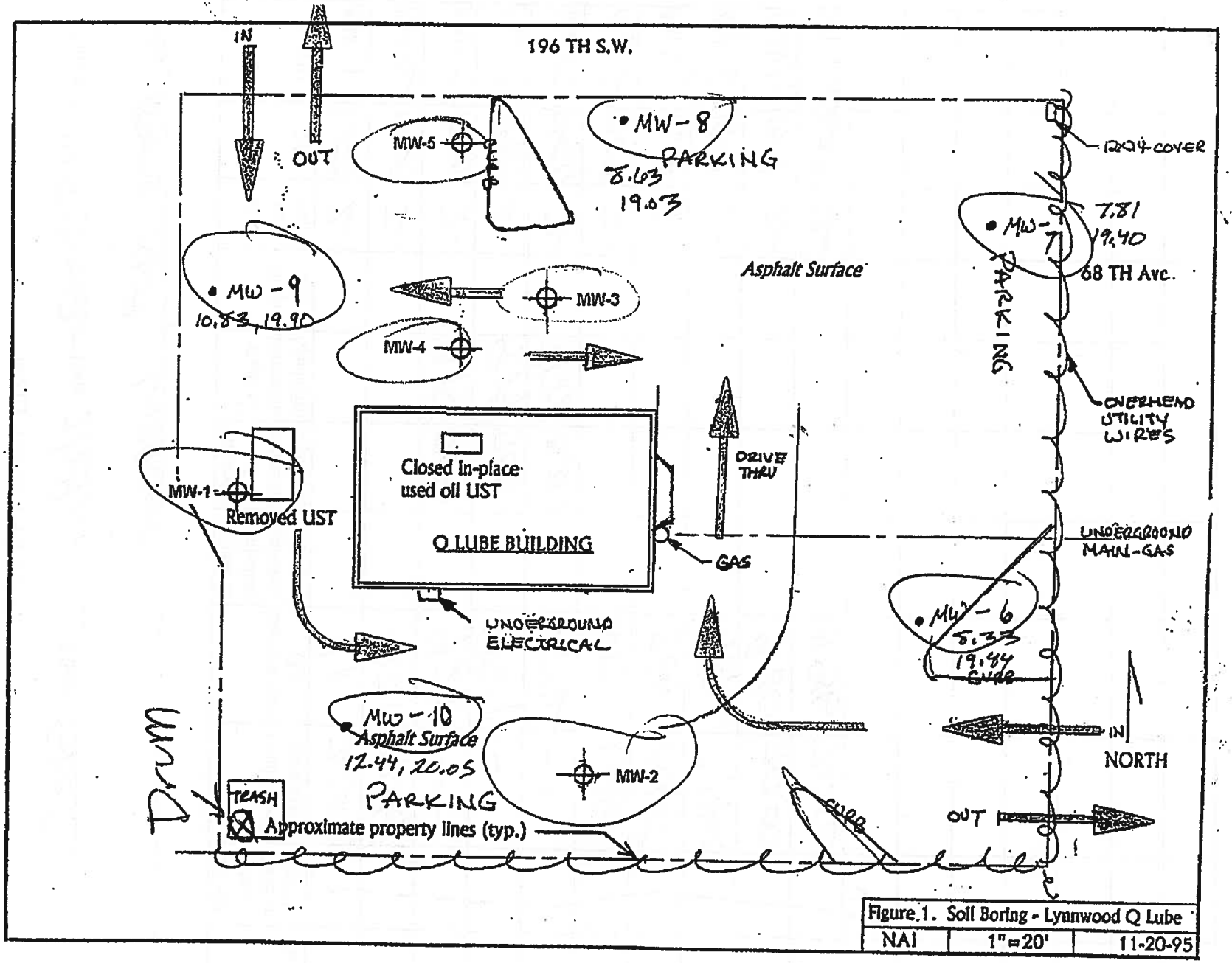


Figure 1. Soil Boring - Lynnwood Q Lube		
NAI	1" = 20'	11-20-95

WELL GAUGING DATA

Project # 100729-SL7 Date 7/29/10 Client Shell

Site 6808 196th, Lynnwood

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	1250	2					11.10	25.00	TOC	
MW-2	1225	2					10.31	17.40		
MW-3	1330	2		9.18	0.03		9.21	—		
MW-4	1340	2		9.79	0.02		9.81	—		
MW-5	1350	2		8.52	0.20		8.72	—		
MW-6	1203	2					8.17	19.40		
MW-7	1215	2					7.69	19.45		
MW-8	1317	2					7.92	19.45		
MW-9	1304	2					9.80	20.00		
MW-10	1279	2					11.86	20.12		

SHELL WELL MONITORING DATA SHEET

BTS #: 100729-GL2	Site: 9760540
Sampler: GL	Date: 7/29/10
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 25.00	Depth to Water (DTW): 11.10
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) 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 / Middleburg / Electric Submersible / Waterra / 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1300	61.7	6.66	589	32		

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 7/29/10 Sampling Time: 1300 Depth to Water:

Sample I.D.: MW-1 Laboratory: (Calscience) Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

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

Analyzed for: TPH-G BTEX MTBE TPH-D 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 #: 100729-SL2	Site: 97605410
Sampler: GL	Date: 7/29/10
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 17.40	Depth to Water (DTW): 10.31
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) 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 / Middleburg / Electric Submersible / Waterra / 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1235	61.7	6.51	685	621		

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 7/29/10 Sampling Time: 1235 Depth to Water:

Sample I.D.: MW-2 Laboratory: (Calscience) Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

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

Analyzed for: TPH-G BTEX MTBE TPH-D 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 #: 100729-SL2	Site: 97605410
Sampler: SL	Date: 7/29/10
Well I.D.: MW-3	Well Diameter (2) 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 9.21
Depth to Free Product: 9.18	Thickness of Free Product (feet): 0.03
Referenced to: (PVC) 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 / Middleburg / Electric Submersible / Waterra / 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
	Removed	~ 10	mL SPH + 1/2 gal H_2O			

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 7/29/10 Sampling Time: Depth to Water:

Sample I.D.: MW-3 Laboratory: (Calscience) Other ____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

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

Analyzed for: TPH-G BTEX MTBE TPH-D 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 #: 100729-GL2	Site: 9760540
Sampler: GL	Date: 7/29/10
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): ___	Depth to Water (DTW): 9.81
Depth to Free Product: 9.79	Thickness of Free Product (feet): 0.02
Referenced to: (PVC) 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 / Middleburg / Electric Submersible / ~~Waterra~~ / 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
	Removed ~ 30mL SPH + 1/2 gal H2O					

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 7/29/10 Sampling Time: Depth to Water:

Sample I.D.: MW- Laboratory: (Calscience) Other ___

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

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

Analyzed for: TPH-G BTEX MTBE TPH-D 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 #: 100729-SL2	Site: 9760540
Sampler: GL	Date: 7/29/10
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 19.45	Depth to Water (DTW): 7.69
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) 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 / Middleburg / Electric Submersible / Waterra / 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1220	62.7	6.18	464	71000		

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 7/29/10 Sampling Time: 1220 Depth to Water:

Sample I.D.: MW-7 Laboratory: (Calscience) Other ____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

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

Analyzed for: TPH-G BTEX MTBE TPH-D 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 #: 100729-SL2	Site: 97605410
Sampler: GL	Date: 7/29/10
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 19.45	Depth to Water (DTW): 7.92
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) 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 / Middleburg / Electric Submersible / Waterra / 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1325	66.9	6.37	465	>1000		Odor, Sheen

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 7/29/10 Sampling Time: 1325 Depth to Water:

Sample I.D.: MW-8 Laboratory: (Calscience) Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

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

Analyzed for: TPH-G BTEX MTBE TPH-D 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 #: 100729-GL2	Site: 97605410
Sampler: GL	Date: 7/29/10
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 8.72
Depth to Free Product: 8.52	Thickness of Free Product (feet): 0.20
Referenced to: (PVC) 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 / Middleburg / Electric Submersible / Waterra / 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
	Removed	~25ml	SPH	+ 1gal	H2O	

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 7/29/10 Sampling Time: Depth to Water:

Sample I.D.: MW- Laboratory: (Calscience) Other ____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

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

Analyzed for: TPH-G BTEX MTBE TPH-D 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 #: 100729-SL2	Site: 97605410
Sampler: GL	Date: 7/29/10
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 19.40	Depth to Water (DTW): 8.17
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) 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 / Middleburg / Electric Submersible / Waterra / 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1210	69.4	6.06	497	>1000		

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 7/29/10 Sampling Time: 1210 Depth to Water:

Sample I.D.: MW-6 Laboratory: (Calscience) Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

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

Analyzed for: TPH-G BTEX MTBE TPH-D 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 #: 100729-SL2	Site: 97605410
Sampler: SL	Date: 7/29/10
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 20.00	Depth to Water (DTW): 9.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) 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 / Middleburg / Electric Submersible / Waterra / 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1310	64.2	6.02	249	23		

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 7/29/10 Sampling Time: 1310 Depth to Water:

Sample I.D.: MW-9 Laboratory: (Calscience) Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

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

Analyzed for: TPH-G BTEX MTBE TPH-D 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 #: 100729-SL2	Site: 9760540
Sampler: GL	Date: 7/29/10
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 20.12	Depth to Water (DTW): 11.86
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) 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 / Middleburg / Electric Submersible / Waterra / 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1245	60.8	6.25	709	>1000		

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 7/29/10 Sampling Time: 1245 Depth to Water:

Sample I.D.: MW-10 Laboratory: (Calscience) Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

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

Analyzed for: TPH-G BTEX MTBE TPH-D 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

Job Clearance Form

Station #:	Station Address: 6808 196th, Lynnwood	Work Order Number: 100827-54	Date: 8/27/10
Contractor Company Name: BTS	Contractor person in charge (print name): S. Lane	Number of Workers: 1	JSA Reference Number: (if required)	Start Time: 0745	End Time: 0830	Labor	Travel Time	Travel Distance
Problem/Work Description: Gauge + BZI SPH			Return Call: yes / no; Damage Claim: yes / no

PPE REQUIRED (CHECK AND/OR FILL IN AS REQUIRED)

- [x] SAFETY VEST
- [ ] PROTECTIVE CLOTHING
- [x] HARD HAT
- [x] GLOVES
- [x] SHOES & BOOTS
- [x] SAFETY GLASSES/GOGGLES
- [ ] HEARING PROTECTION
- [ ] WELDING PPE
- [ ] RESPIRATOR
- [ ] OTHER______

Contractor to complete this section below if circumstances on site or specific to the job, may generate additional hazards, that are not described in the JSA

Work documentation requirements: **Lower Risk** - no JSA required; **Medium Risk / Higher Risk tasks** - JSA required; **Higher Risk** - JSA required & appropriate checklist completed (see below)

Examples of Higher / Medium tasks:

- ☐ Works at height/with all cases on open sites - on closed sites if no JSA present
- ☐ Trenching or excavation related to underground tank / product lines
- ☐ Heavy lifting
- ☐ Work in confined spaces (e.g. tank, interceptor or deep manhole entry)
- ☐ Hot work with risk of product or vapor ignition
- ☐ LPG systems degassing installation or maintenance

This form must be completed for each job and updated and re-signed if circumstances change or additional hazards identified.

SIGN IN

Operating sites: to be signed by the Site Representative
Non-operating sites: to be signed by Contractor Representative only

GENERAL SAFETY CHECKS

- Have all site personnel been informed?
- Has fuel delivery service been informed?
- Is a fuel delivery due?
- Have isolation procedures been agreed - lock out/tag out?
- Are work areas cordoned off to protect workers, site staff & public?
- Other

Contractor representative name	Signature
S. Lane	S. Lane

Site representative name	Signature
coffee	

SIGN OUT

GENERAL SAFETY CHECKS

- Has the work area been left tidy and safe?
- Are site personnel aware of status of work including remaining tasks/actions?
- Are changes to equipment documented and communicated?
- All incidents, near incidents, unsafe situations reported?
- Other

Contractor signature
S. Lane

Site representative name	Signature

PARTS - Ordered, Replaced and/or Disposed Of (include model and serial no. as appropriate)

The contractor through its authorized representative shall sign, issue and be solely responsible for all job clearance forms and the obligations arising thereunder applicable to the work.

This form covers important reminders and is not intended to relieve the contractor from safely performing the work in compliance with all applicable laws and regulations.
The Site Representative may require the contractor to stop work if it appears that the contractor or any of its workers are failing to comply with the requirements in the applicable terms of this form or other applicable safety requirements.

WELLHEAD INSPECTION FORM

Client: Shell Site: 9760 5410 Date 8/27/10

Job #: 100827-GL1 Technician: GL 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-3	X														labled MW-2
MW-4	X														
MW-5	X														

Notes:

SPH or Purge Water Drum Log

Client: Shell

Site Address: 6608 196th SW Lynnwood

STATUS OF DRUM(S) UPON ARRIVAL						
Date	7/29/10	8/27/10				
Number of drum(s) empty:						
Number of drum(s) 1/4 full:						
Number of drum(s) 1/2 full:						
Number of drum(s) 3/4 full:						
Number of drum(s) full:						
Total drum(s) on site:	6	1				
Are the drum(s) properly labeled?		yes				
Drum ID & Contents:		SPH + Purgewater				
If any drum(s) are partially or totally filled, what is the first use date:		7/29/10				

- If you add any SPH to an empty or partially filled drum, drum must have at least 20 gals. of Purgewater or DI Water.
-If drum contains SPH, the drum MUST be steel AND labeled with the appropriate label.
-All BTS drums MUST be labeled appropriately.

STATUS OF DRUM(S) UPON DEPARTURE						
Date	7/29/10	8/27/10				
Number of drums empty:						
Number of drum(s) 1/4 full:	1	1				
Number of drum(s) 1/2 full:						
Number of drum(s) 3/4 full:						
Number of drum(s) full:						
Total drum(s) on site:	1	1				
Are the drum(s) properly labeled?	yes	yes				
Drum ID & Contents:	SPH + Purge H2O →					

LOCATION OF DRUM(S)	
Describe location of drum(s):	In trash compound see MFP

FINAL STATUS						
Number of new drum(s) left on site this event	1	0				
Date of inspection:	7/29/10	8/27/10				
Drum(s) labelled properly:	yes	Y				
Logged by BTS Field Tech:	GL	GL				
Office reviewed by:						

WELL GAUGING DATA

Project # 100827-SL1 Date 8/27/10 Client Shell

Site 6808 196th, Lynnwood

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-3	0800	2	✓	10.06	0.10		10.16	—		
MW-4	0810	2	✓	10.73	0.06		10.79	—		
MW-5	0817	2	✓	9.42	0.33		9.75	—		

SHELL WELL MONITORING DATA SHEET

BTS #: 100827-SL1	Site: 9760S410
Sampler: SL	Date: 8/27/10
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 10.06 (EW)	Depth to Water (DTW): 10.16
Depth to Free Product: 10.06	Thickness of Free Product (feet): 0.10
Referenced to: (PVC) 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~~ / Middleburg / Electric Submersible / Waterra / 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
	Removed ~ 20ml SPH + ½ gal H2O					

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: Laboratory: Calscience Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

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

Analyzed for: TPH-G BTEX MTBE TPH-D 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 #: 100827-SL1	Site: 9760S410
Sampler: SL	Date: 8/27/10
Well I.D.: MW-4	Well Diameter: ② 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 10.79
Depth to Free Product: 10.73	Thickness of Free Product (feet): 0.06
Referenced to: (PVC) 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~~ / Middleburg / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other_____

Sampling Methods: ~~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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
	Removed ~ 10ml SPH+				1/2 gal	H_2O

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: Laboratory: Calscience Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

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

Analyzed for: TPH-G BTEX MTBE TPH-D 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 #: 100827-SL1	Site: 9760540
Sampler: SL	Date: 8/27/10
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): ———	Depth to Water (DTW): 9.75
Depth to Free Product: 9.42	Thickness of Free Product (feet): 0.33
Referenced to: (PVC) 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~~ / Middleburg / Electric Submersible / Waterra / 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
	Removed ✓	GONE	SPH +		1/2 gal	H_2O

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: Laboratory: Calscience Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

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

Analyzed for: TPH-G BTEX MTBE TPH-D 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

APPENDIX B

LABORATORY ANALYTICAL REPORT

Calscience
Environmental
Laboratories, Inc.

August 10, 2010

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

Subject: **Calscience Work Order No.: 10-07-2297**
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 7/30/2010 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. 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,

Calscience Environmental
Laboratories, Inc.
Xuan H. Dang
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	07/30/10
1680 Rogers Avenue		Work Order No:	10-07-2297
San Jose, CA 95112-1105		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	**10-07-2297-1-D**	**07/29/10 12:10**	**Aqueous**	**GC 43**	**07/30/10**	**08/04/10 04:32**	**100730B16S**

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	190	100	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	101	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-7	**10-07-2297-2-D**	**07/29/10 12:20**	**Aqueous**	**GC 43**	**07/30/10**	**08/04/10 04:52**	**100730B16S**

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	98	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-2	**10-07-2297-3-D**	**07/29/10 12:35**	**Aqueous**	**GC 43**	**07/30/10**	**08/04/10 05:12**	**100730B16S**

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	200	100	1		TPH as Motor Oil Range	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	100	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-10	**10-07-2297-4-D**	**07/29/10 12:45**	**Aqueous**	**GC 43**	**07/30/10**	**08/04/10 05:32**	**100730B16S**

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	93	68-140	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	07/30/10
1680 Rogers Avenue		Work Order No:	10-07-2297
San Jose, CA 95112-1105		Preparation:	EPA 3510C
		Method:	NWTPH-Dx
		Units:	ug/L

Project: 6808 196th Street SW, Lynnwood, WA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1	**10-07-2297-5-D**	**07/29/10 13:00**	**Aqueous**	**GC 43**	**07/30/10**	**08/04/10 05:52**	**100730B16S**

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	320	100	1		TPH as Motor Oil Range	110	100	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	103	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-9	**10-07-2297-6-D**	**07/29/10 13:10**	**Aqueous**	**GC 43**	**07/30/10**	**08/04/10 06:12**	**100730B16S**

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	87	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-8	**10-07-2297-7-D**	**07/29/10 13:25**	**Aqueous**	**GC 43**	**07/30/10**	**08/04/10 06:32**	**100730B16S**

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	5300	100	1		TPH as Motor Oil Range	2000	100	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	96	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-840-256**	**N/A**	**Aqueous**	**GC 43**	**07/30/10**	**08/04/10 03:31**	**100730B16S**

Parameter	Result	RL	DF	Qual
TPH as Diesel Range	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	96	68-140	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	07/30/10
1680 Rogers Avenue	Work Order No:	10-07-2297
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/L

Project: 6808 196th Street SW, Lynnwood, WA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-6	**10-07-2297-1-C**	**07/29/10 12:10**	**Aqueous**	**GC/MS JJ**	**08/05/10**	**08/05/10 15:17**	**100805L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Toluene	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Xylenes (total)	ND	1.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	113	80-126			1,2-Dichloroethane-d4	110	80-131		
Toluene-d8	98	80-120			1,4-Bromofluorobenzene	86	80-120		

MW-7	**10-07-2297-2-C**	**07/29/10 12:20**	**Aqueous**	**GC/MS JJ**	**08/05/10**	**08/05/10 17:23**	**100805L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Toluene	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Xylenes (total)	ND	1.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	107	80-126			1,2-Dichloroethane-d4	109	80-131		
Toluene-d8	95	80-120			1,4-Bromofluorobenzene	86	80-120		

MW-2	**10-07-2297-3-C**	**07/29/10 12:35**	**Aqueous**	**GC/MS JJ**	**08/05/10**	**08/05/10 17:54**	**100805L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2.1	0.50	1		Toluene	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Xylenes (total)	ND	1.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	99	80-126			1,2-Dichloroethane-d4	103	80-131		
Toluene-d8	98	80-120			1,4-Bromofluorobenzene	87	80-120		

MW-10	**10-07-2297-4-C**	**07/29/10 12:45**	**Aqueous**	**GC/MS JJ**	**08/05/10**	**08/05/10 19:26**	**100805L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	240	1.0	2		Toluene	9.9	1.0	1	
Ethylbenzene	45	1.0	1		Xylenes (total)	89	1.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	94	80-126			1,2-Dichloroethane-d4	99	80-131		
Toluene-d8	96	80-120			1,4-Bromofluorobenzene	97	80-120		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	07/30/10
1680 Rogers Avenue	Work Order No:	10-07-2297
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/L

Project: 6808 196th Street SW, Lynnwood, WA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1	**10-07-2297-5-C**	**07/29/10 13:00**	**Aqueous**	**GC/MS JJ**	**08/05/10**	**08/05/10 18:25**	**100805L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	32	0.50	1		Toluene	2.9	1.0	1	
Ethylbenzene	17	1.0	1		Xylenes (total)	48	1.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	91	80-126			1,2-Dichloroethane-d4	92	80-131		
Toluene-d8	98	80-120			1,4-Bromofluorobenzene	90	80-120		

MW-9	**10-07-2297-6-C**	**07/29/10 13:10**	**Aqueous**	**GC/MS JJ**	**08/05/10**	**08/05/10 18:56**	**100805L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Toluene	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Xylenes (total)	ND	1.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	102	80-126			1,2-Dichloroethane-d4	104	80-131		
Toluene-d8	95	80-120			1,4-Bromofluorobenzene	84	80-120		

MW-8	**10-07-2297-7-B**	**07/29/10 13:25**	**Aqueous**	**GC/MS EE**	**08/06/10**	**08/07/10 08:36**	**100806L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	18000	120	250		Toluene	40000	1000	1000	
Ethylbenzene	17000	250	250		Xylenes (total)	110000	250	250	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	95	80-126			1,2-Dichloroethane-d4	99	80-131		
Toluene-d8	107	80-120			1,4-Bromofluorobenzene	106	80-120		

Method Blank	**099-14-001-1,622**	**N/A**	**Aqueous**	**GC/MS JJ**	**08/05/10**	**08/05/10 14:45**	**100805L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Toluene	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Xylenes (total)	ND	1.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	111	80-126			1,2-Dichloroethane-d4	113	80-131		
Toluene-d8	96	80-120			1,4-Bromofluorobenzene	85	80-120		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	07/30/10
1680 Rogers Avenue	Work Order No:	10-07-2297
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/L

Project: 6808 196th Street SW, Lynnwood, WA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-1,642	N/A	Aqueous	GC/MS EE	08/06/10	08/07/10 02:58	100806L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Toluene	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Xylenes (total)	ND	1.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	106	80-126			1,2-Dichloroethane-d4	115	80-131		
Toluene-d8	99	80-120			1,4-Bromofluorobenzene	91	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-1,653	N/A	Aqueous	GC/MS EE	08/07/10	08/07/10 13:38	100807L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Toluene	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Xylenes (total)	ND	1.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	96	80-126			1,2-Dichloroethane-d4	101	80-131		
Toluene-d8	97	80-120			1,4-Bromofluorobenzene	95	80-120		

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 07/30/10
Work Order No: 10-07-2297
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 JJ**	**08/05/10**	**08/05/10**	**100805S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	95	92	80-120	4	0-20	
Ethylbenzene	106	103	73-127	3	0-20	
Toluene	100	96	80-120	4	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Blaine Tech Services, Inc.	Date Received:	07/30/10
1680 Rogers Avenue	Work Order No:	10-07-2297
San Jose, CA 95112-1105	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
10-08-0457-3	**Aqueous**	**GC/MS EE**	**08/06/10**	**08/07/10**	**100806S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	95	95	80-120	0	0-20	
Ethylbenzene	101	104	73-127	4	0-20	
Toluene	94	95	80-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.		Date Received:	07/30/10
1680 Rogers Avenue		Work Order No:	10-07-2297
San Jose, CA 95112-1105		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
10-08-0457-2	**Aqueous**	**GC/MS EE**	**08/07/10**	**08/07/10**	**100807S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	97	95	80-120	1	0-20	
Ethylbenzene	106	105	73-127	1	0-20	
Toluene	96	96	80-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Blaine Tech Services, Inc.		Date Received:	N/A
1680 Rogers Avenue		Work Order No:	10-07-2297
San Jose, CA 95112-1105		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
099-12-840-256	Aqueous	GC 43	07/30/10	08/04/10	100730B16S

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel Range	100	100	75-117	0	0-13	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.		Date Received:	N/A
1680 Rogers Avenue		Work Order No:	10-07-2297
San Jose, CA 95112-1105		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
099-14-001-1,622	Aqueous	GC/MS JJ	08/05/10	08/05/10	100805L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	92	93	80-120	1	0-20	
Ethylbenzene	105	107	80-123	2	0-20	
Toluene	97	99	80-120	2	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Blaine Tech Services, Inc.		Date Received:	N/A
1680 Rogers Avenue		Work Order No:	10-07-2297
San Jose, CA 95112-1105		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
099-14-001-1,642	Aqueous	GC/MS EE	08/06/10	08/07/10	100806L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	96	80-120	2	0-20	
Ethylbenzene	104	104	80-123	0	0-20	
Toluene	97	96	80-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.	Date Received: N/A
1680 Rogers Avenue	Work Order No: 10-07-2297
San Jose, CA 95112-1105	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
099-14-001-1,653	Aqueous	GC/MS EE	08/07/10	08/07/10	100807L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	93	91	80-120	2	0-20	
Ethylbenzene	104	103	80-123	1	0-20	
Toluene	94	94	80-120	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-07-2297

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
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 or PES/PESD 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 without further clarification.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
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.
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.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- [x] CALSCIENCE
- [ ] SPL Houston
- [ ] XENCO
- [ ] TEST AMERICA
- [ ] OTHER

Please Check Appropriate Box:
- [ ] ENV. SERVICES
- [ ] MOTIVA RETAIL
- [ ] SHELL RETAIL
- [ ] MOTIVA SD&CN
- [x] CONSULTANT
- [ ] LUBES
- [ ] SHELL PIPELINE
- [ ] OTHER

Print Bill To Contact Name: Jeff Cloud - 241739

INCIDENT # (ENV SERVICES): 97605410 [ ] CHECK IF NO INCIDENT # APPLIES

DATE: 7/29/10

PAGE: 1 of 1

PO #: 4040198900

SAP #: 1711522

SAMPLING COMPANY: Blaine Tech Services

LOG CODE:

SITE ADDRESS: Street and City: 6808 196th Street SW, Lynnwood

State: WA

GLOBAL ID NO.: NA

ADDRESS: 1680 Rogers Avenues, San Jose, Ca

EDF DELIVERABLE TO (Name, Company, Office Location): Christine Schweigert, CRA, Everett

PHONE NO.: 425-212-5100

E-MAIL: cschweigert@CRAworld.com

CONSULTANT PROJECT NO.: 100327-542 241739-2009-2

PROJECT CONTACT (Hardcopy or PDF Report to): Dan Koskela - Copy to shell.lab.billing@craworld.com

SAMPLER NAME(S) (Print): S. Lane

LOCUS INFO ONLY: 07-2297

TELEPHONE: 916-925-2913x101

FAX: 916-925-2891

E-MAIL: dkoskela@blainetech.com

TURNAROUND TIME (CALENDAR DAYS):
- [x] STANDARD (14 DAY)
- [ ] 5 DAYS
- [ ] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

- [ ] LA - RWQCB REPORT FORMAT
- [ ] UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES:
Please send an additional copy of Lab Results to: shell.lab.billing@craworld.com

See Calscience PM for WA Dept. of Ecology MTCA Method A cleanup levels for minimum detection limits

- [x] SHELL CONTRACT RATE APPLIES
- [ ] STATE REIMBURSEMENT RATE APPLIES
- [ ] EDD NOT NEEDED
- [x] RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB SAMPLE NUMBER	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	NWTPH-Gx	NWTPH-Dx w/Silica Gel Cleanup	BTEX (8260B)	5 Oxygenates, MTBE, TBA, DIPE, TAME, ETBE (8260B)	EDB, EDC (8260B)	TPH-D	Total Lead (6020)	PCBs (8082)	PAHs (8270 SIM)	VOCs Full list (8260B)	Pest (8080)	NWTPH-VPH	NWTPH-EPH	n-Hexane (8071B)	TEMPERATURE ON RECEIPT C°	Container PID Readings or Laboratory Notes
1	MW-6	7/29/10	1240	W	X			X		5		X	X			X										
2	MW-7		1220	W	X			X		5		X	X			X										
3	MW-2		1235	W	X			X		5		X	X			X										
4	MW-10		1245	W	X			X		5		X	X			X										
5	MW-1		1300	W	X			X		5		X	X			X										
6	MW-9		1310	W	X			X		5		X	X			X										
7	MW-8	↓	1325	W	X			X		5		X	X			X										
8																										
9																										
10																										

		Date	Time
Relinquished by: (Signature) S. Lane	Received by: (Signature) Fed Ex	7/29/10	1700
Relinquished by: (Signature)	Received by: (Signature)	7/30/10	1030
Relinquished by: (Signature)	Received by: (Signature)		

05/2008 Revision

1121

200

FedEx. US Airbill
Express

FedEx Tracking Number 8704 8136 2466

RECIPIENT: PEEL HERE

fedex.com 1.800.GoFedEx 1.800.463.3339

1 From This portion can be removed for Recipient's records.

Date 7/29/10 FedEx Tracking Number 870481362466

Sender's Name S. Lane Phone 206 391 6895

Company BTS

Address 22727 72nd S D102 Dept./Floor/Suite/Room

City State ZIP 98032

2 Your Internal Billing Reference

3 To

Recipient's Name SAMPLE CONTROL Phone 714 895-5494

Company CALSCIENCE ENVIRON

HOLD Weekday Print FedEx location address below. NOT available for FedEx First Overnight.

HOLD Saturday Print FedEx location address below. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Address 7440 LINCOLN WAY
We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address
Print FedEx location address here if HOLD option is selected.

City GARDEN GROVE State CA ZIP 92841-1427

0412807044

8704 8136 2466

Recipi

4a Express Package Service * To most locations. Pack

- [ ] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- [ ] FedE — Earliest delivery Saturd
- [X] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

4b Express Freight Service ** To most locations. Pack

- [ ] FedEx 1Day Freight — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected. FedEx 1Day Freight Booking No.
- [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 3Day Freight — Third business day.** Saturday D

5 Packaging * Declared value limit $500.

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- [ ] FedEx Box
- [ ] FedEx

6 Special Handling and Delivery Signature Options

- [X] SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freigh
- [ ] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.
- [ ] Indirect Signat — If no one is available at address, someone at address may sign for residential deliveries

Does this shipment contain dangerous goods? One box must be checked.

- [X] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

- [ ] Cargo Airc

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below.

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [X] Recipient
- [ ] Third Party
- [ ] Credit Card

1368

Total Packages 1 Total Weight 51 lbs. Credit Card Auth.

*Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-07-[3][2][9][7]

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: B.T.S DATE: 07/30/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.8 °C + 0.5 °C (CF) = 3.3 °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: _____

CUSTODY SEALS INTACT:

☑ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☐ N/A Initial: _____

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: _____

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑3 VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs

☐500AGB ☑2 500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna

☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** _____

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** WSC

Preservative: h: HCL n: HNO_3 na_2: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** WSC