



Q LUBE U V. 11/1/08
SEATTLE
Release # 361399

REVISED GROUNDWATER MONITORING REPORT- THIRD QUARTER 2008

SHELL-BRANDED SERVICE STATION
4902 25th AVENUE SE
SEATTLE, WASHINGTON

SAP CODE 171156
INCIDENT NO. 97605414
AGENCY NO. 41675877

DECEMBER 15, 2008
REF. NO. 241735 (1)

This report is printed on recycled paper.

Prepared by:
Conestoga-Rovers
& Associates

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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	4902 25 th Avenue NE, Seattle
Site Use	Shell-Branded Service Station
Shell Project Manager	Carol Campagna
CRA Project Manager	Justin Foslien
Lead Agency and Contact	WDOE, John Bails
Agency Case No.	41675877
Shell SAP Code:	171156
Shell Incident No.	97605414

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.

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

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Estimated to the south
Hydraulic Gradient	0.006 feet/foot
Depth to Water	2.75 to 4.39 feet below top of well casing.

2.3 PROPOSED ACTIVITIES FOR NEXT QUARTER

Blaine will gauge and sample wells during the second month of the fourth quarter of 2008, according to the established monitoring program for this site.

2.4 DISCUSSION

Monitoring wells MW-1 through MW-4 were gauged for depth to water and sampled for laboratory analysis on August 14, 2008. All analyte concentrations in the groundwater samples collected for all monitoring wells were below the Washington State Model Toxics Control Act Method A cleanup levels.

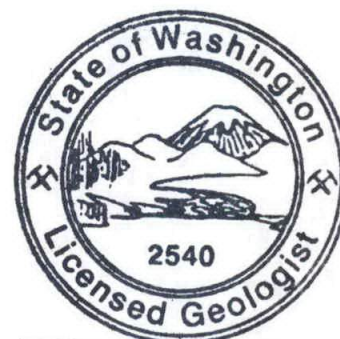
All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES



Stephen Rasmussen
Environmental Scientist



Justin Foslien, LG
Project Manager



Justin Francis Foslien

cc: Carol Campagna, Shell Oil Products US, 20945 S. Wilmington Ave., Carson, CA 90810
Mark Burquist, 1800 Creekside Place, Anacortes, WA 98221-2468
Attn: SVP/Real Estate, Office Depot, 2200 Old Germantown Road, Delray Beach, Florida 33445-8823
Attn: General Counsel/Real Estate, Office Depot, 2200 Old Germantown Road, Delray Beach, Florida 33445-8823
Brian Clark, Heartland Automotive Services, Inc., 11308 Davenport Street, The Atrium Building, Omaha, NB 68154-5645
Bob Cahill, Heartland Automotive Services, Inc., 15007 Woodinville-Redmond Rd. Suite A, Woodinville, WA 98072

FIGURES



Jiffy Lube No. 2075

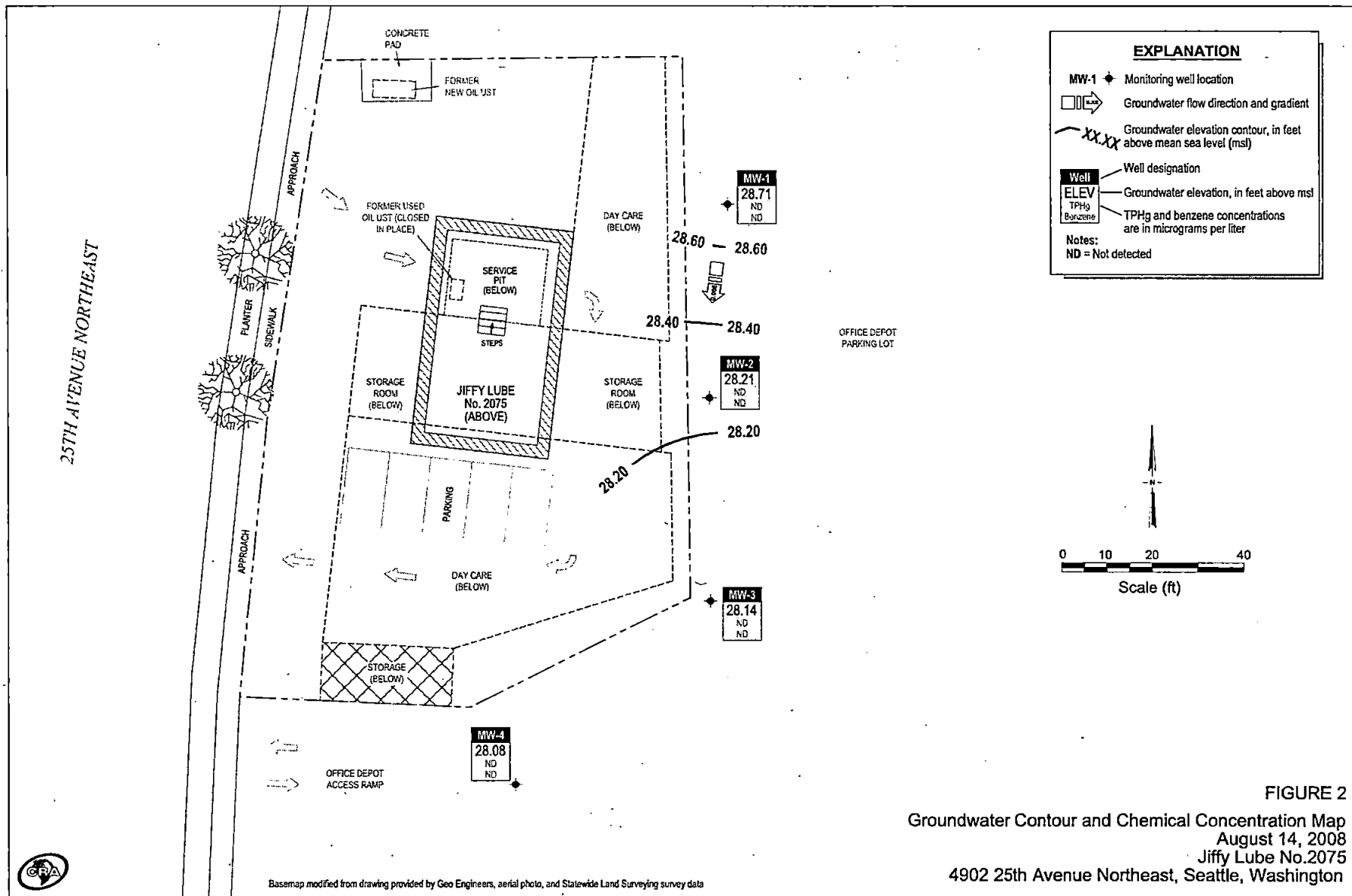
4902 25th Avenue N.E.

Seattle, Washington



CONESTOGA-ROVERS
& ASSOCIATES

Vicinity Map



Basemap modified from drawing provided by Geo Engineers, aerial photo, and Statewide Land Surveying survey data

I:\Everett.Shell\WA Shell Sites\4902 25TH AVE NE SEATTLE\Figures\241735 3QM08.DWG (12/11/08)

TABLES

TABLE 1
SUMMARY OF GROUNDWATER MONITORING DATA
BETX, MTBE, AND PETROLEUM HYDROCARBONS

4902 25th Avenue NE
 SEATTLE, WASHINGTON

Well Number	Date	TOC (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	B (µg/L)	E (µg/L)	T (µg/L)	X (µg/L)	Gasoline-range Hydrocarbons (µg/L)	Diesel-range Hydrocarbons (µg/L)	Heavy Oil-range Hydrocarbons (µg/L)	MTBE (µg/L)	Total Lead (µg/L)
MW-1	05/21/08	32.11	3.00	29.11	<1.00	<1.00	<1.00	<1.00	<50	<250	<400	<1.00	94.2
MW-1	08/14/08	32.11	3.40	28.71	<0.50	<1.0	<1.0	<1.0	<100	<100	---	<1.0	75.6
MW-2	05/21/08	31.72	2.84	28.88	<1.00	<1.00	<1.00	<1.00	<50	<250	<400	<1.00	23.4
MW-2	08/14/08	31.72	3.51	28.21	<0.50	<1.0	<1.0	<1.0	<100	<100	---	<1.0	27.2
MW-3	05/21/08	30.89	2.44	28.45	<1.00	<1.00	<1.00	<1.00	73	<250	<400	<1.00	111
MW-3	08/14/08	30.89	2.75	28.14	<0.50	<1.0	<1.0	<1.0	<100	<100	---	<1.0	67.6
MW-4	05/21/08	32.47	4.08	28.39	<1.0	<1.0	<1.0	<1.0	<50	<250	<400	<1.00	53.9
MW-4	08/14/08	32.47	4.39	28.08	<0.50	<1.0	<1.0	<1.0	<100	210 *	---	<1.0	55.8
MTCA Method A Cleanup Level					5	700	1,000	1,000	800	500	500	20	

Abbreviations and Notes:

Well locations are shown in Figure 2.

TOC = Top of Casing elevations.

Depth to water from top of well casing.

B = benzene, E = ethylbenzene, T = toluene, X = total xylenes. Analyzed by EPA Method 8260B; before November 22, 2006, analyzed by EPA Method 8021B.

Gasoline-range hydrocarbons analyzed using NWTPH-Gx; before November 22, 2006, analyzed by NWTPH-Gx or WTPH-G.

Diesel-range hydrocarbons and Heavy Oil-Range hydrocarbons analyzed by NWTPH-Gx; before November 22, 2006, analyzed by NWTPH-D extended or WTPH-D extended.

MTBE = methyl tert-butyl ether. Analyzed by EPA Method 8260B; before November 22, 2006, analyzed by EPA Method 8021B.

* = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbons in the sample was based upon the specified standard. The sample extract was subjected to Silica Gel treatment prior to analysis.

µg/L = micrograms per liter

--- = Not measured

MTCA = Model Toxics Control Act

TABLE 2

**SUMMARY OF GROUNDWATER MONITORING DATA
OXYGENATES**

4902 25th Avenue NE
SEATTLE, WASHINGTON

Well Number	Date	TAME (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)
MW-1	05/21/08	<1.0	<5.0	<1.00	<1.00
MW-1	08/14/08	<2.0	<10	<2.0	<2.0
MW-2	05/21/08	<1.0	<5.0	<1.00	<1.00
MW-2	08/14/08	<2.0	<10	<2.0	<2.0
MW-3	05/21/08	<1.0	<5.0	<1.00	<1.00
MW-3	08/14/08	<2.0	<10	<2.0	<2.0
MW-4	05/21/08	<1.0	<5.0	<1.00	<1.00
MW-4	08/14/08	<2.0	<10	<2.0	<2.0

Abbreviations and Notes:

Well locations are shown in Figure 2.

TAME = Tertiary-amyl methyl 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

µg/L = micrograms per liter

TABLE 3
SUMMARY OF GROUNDWATER MONITORING DATA
POLYCYCLIC AROMATIC HYDROCARBONS

4902 25th Avenue NE
 SEATTLE, WASHINGTON

Well Number	Date	cPAHs Analytical Results																		Sum of TEF Adjusted cPAHs (µg/L)
		Acenaphthene (µg/L)	Acenaphthylene (µg/L)	Anthracene (µg/L)	Benzo(g,h,i)perylene (µg/L)	Fluoranthene (µg/L)	Fluorene (µg/L)	1-Methylnaphthalene (µg/L)	2-Methylnaphthalene (µg/L)	Naphthalene (µg/L)	Phenanthrene (µg/L)	Pyrene (µg/L)	Benzo(a)anthracene (µg/L)	Benzo(a)pyrene (µg/L)	Benzo(b)fluoranthene (µg/L)	Benzo(k)fluoranthene (µg/L)	Chrysene (µg/L)	Dibenzo(a,h)anthracene (µg/L)	Indeno(1,2,3-cd)pyrene (µg/L)	
													TEF 0.1	1	0.1	0.1	0.01	0.1	0.1	
MW-1	05/21/08	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	
MW-1	08/14/08	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
MW-2	05/21/08	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	
MW-2	08/14/08	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
MW-3	05/21/08	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	
MW-3	08/14/08	0.33	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
MW-4	05/21/08	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	
MW-4	08/14/08	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
MTCA Method A Cleanup Levels (µg/L)														0.1						0.1

Abbreviations and Notes:

Well locations are shown in Figure 2.

Polycyclic aromatic hydrocarbons (PAH) analyzed by EPA Method 8270C-SIM.

Sum of TEF Adjusted cPAHs = Sum of the product of the analytical result and the specific

Toxic Equivalent Factors for cPAH's as per WAC 173-340-708

µg/L = micrograms per liter

MTCA = Model Toxics Control Act

NA - No applicable MTCA level

APPENDIX A

BLAINE TECH SERVICES, INC. –
FIELD FORMS

Job Clearance Form					
Job Order Number: 4902	Customer Address: 75th Ave Seattle	Work Order Number: 080814-912	Date: 8/14/08		
Customer Company Name: WAG	Customer phone (if different from above): 814	Number of workers: 1	AAA Reference Number: 1100	Start Time: 12:00	End Time: 12:40
Problem/Work Description: Sample 4 wells				Return Call: yes/no	Damage Claim: yes/no
☒ SAFETY VEST ☐ PROTECTIVE CLOTHING ☐ HARD HAT ☒ GLOVES ☒ SHOES & BOOTS ☒ SAFETY GLASSES/GOOGLES ☐ HEARING PROTECTION ☐ WELDING PPE ☐ RESPIRATOR ☐ OTHER					
Contractor to complete this section below if circumstances on-site or specific to this job, may generate additional hazards, that are not described in the JSA.					
Work requires selection of appropriate JSA: Low Risk - no JSA required ☐ Work at heights in all cases on open site - on closed site if no JSA present ☐ Trenching or excavation related to underground tank / product line ☐ Heavy lifting Medium Risk / Medium Risk tasks - JSA required ☐ Work in confined spaces (e.g. tank, interceptor or deep manhole entry) ☐ Hot work with risk of product over-ignition ☐ LPG system abatement, 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 others to be signed by the Site Representative Non-operating others to be signed by Contractor Representative only GENERAL SAFETY CHECKS - Have all site personnel been informed? - Has fuel delivery services 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 and the public? - Other:		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 representative name: Star Signature: Star		Contractor signature: Star			
Site representative name: Jilly Luke Signature: Jilly Luke		Site representative name: _____ Signature: _____			

LAB (LOCATION)

LAB (LOCATION)
☐ CALSCEANCE ()
☐ SPL Houston ()
☐ XENCO ()
☐ TEST AMERICA ()
☐ OTHER ()



Shell Oil Products Chain Of Custody Record

Please Check Appropriate Box:

☒ ENV. SERVICES	☐ MOTIVA RETAIL	☐ SHELL RETAIL
☐ MOTIVA SDACH	☐ CONSULTANT	☐ LUBES
☐ SHELL PIPELINE	☐ OTHER	

Print Bill To Contact Name: **Carol Compagna**
 INCIDENT # (ENV SERVICES) **9 7 6 0 5 4 1 4**
 PO # **97605414** SAP # **97605414**
 DATE **8/14/08** PAGE **1** of **1**

SAMPLED COMPANY: **Blaine Tech Services**
 ADDRESS: **1680 Rogers Avenue, San Jose, Ca**
 PROJECT CONTRACT (Partially or Full Report) **Eric Morse**
 TELEPHONE: **916-925-2913x102** FAX: **916-925-2891** EMAIL: **emorse@blainetech.com**

LAB ADDRESS: Street and City **4902 25th Ave. NE, Seattle** State **WA** COUNTRY **NA**
 ZIP DELIVERABLE TO (Name, Company, City & Location) **Christine Schweigert, CRA, Everett** PHONE NO: **425-212-5100** EMAIL: **cschweigert@CRAworld.com**
 SAMPLER NAME(S) (Print) **S. L. M. R.** CUSTODY PROJECT NO: **080814-542**
 LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☒ 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:
 See SPL PM for WA Dept. of Ecology MTOA Method A cleanup levels for minimum detection limits
☒ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☒ RECEIPT VERIFICATION REQUESTED

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	PRESERVATIVE						NO. OF CONT.	REQUESTED ANALYSIS												TEMPERATURE ON REC °	Container PID Readings or Laboratory Notes
		DATE	TIME		HCL	H2O3	H2SO4	NONE	OTHER	NWTPH-Gx		NWTPH-Dx	BTX (8260B)	5 Oxygenates (MTBE, DIPE, TAME, ETBE)	EDB, EDC (8260B)	Total Lead (8082)	PCBs (8082)	PAHs (8070)	VOCs Full list	Pest (8080)	NWTPH-VPH	NWTPH-EPH	n-Hexane (8071B)		
	MW-1	8/14/08	11:35	W	X	X		X	X	3	X	X	X	X		X		X							
	MW-2		12:15	W	X	X		X	X	3	X	X	X	X		X		X							
	MW-3		11:40	W	X	X		X	X	3	X	X	X	X		X		X							
	MW-4		12:25	W	X	X		X	X	3	X	X	X	X		X		X							

Requested by: (Signature) [Signature]	Received by: (Signature)	Date:	Time:
Requested by: (Signature)	Received by: (Signature)	Date:	Time:
Requested by: (Signature)	Received by: (Signature)	Date:	Time:

Project # 0408/4-512 Date 8/14/06 Client Shell

Site 4902 25th Ave Seattle

[illegible]

SHELL BILL OF LADING

SOURCE RECORD **BILL OF LADING**

FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT SHELL FACILITIES IN THE STATE OF WASHINGTON OR OREGON. THE NON-HAZARDOUS PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS, IS MADE UP INTO LOADS OF APPROPRIATE SIZE TO BE TRANSPORTED & PROCESSED BY A SHELL APPROVED WASTE HAULER.

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

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

9760 5414
INCIDENT # Carol Campagna
4902 25th Ave Seattle
street number street name city state
Shell Engineer

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-1	8		
MW-2	10		
MW-3	2.1		
MW-4	4.2		
added equip.		any other	
rinse water		adjustments	
TOTAL GALS. RECOVERED	10	loaded onto	71
		BTS vehicle #	
BTS event #	080814-2	time	1240
		date	8/14/08
signature	[Signature]		

RECEIVED AT		time	date
BTS Kent			
unloaded by			
signature			

WELLHEAD INSPECTION FORM

Client: Shell Site: 9760 5414 Date: 8/14/08
 Job #: 080814-GLZ Technician: GL Page: 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Check indicates deficiency											Well Not Inspected (explain in notes)	Notes (list if cap or 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)	
		Cap non-functional	Lock non-functional	Lock missing	Bolts missing (list qty.)	Tabbs stripped (list qty.)	Tabbs broken (list qty.)	Annular seal incomplete	Apron damaged	Rim / Lid broken	Trip Hazard	Below Grade			Other (explain in notes)
MW-1															replaced lock
MW-2															replaced lock
MW-3															replaced cap + lock
MW-4															replaced lock

Notes: _____

SHELL WELL MONITORING DATA SHEET

BTS #: <u>080814512</u>	Site: <u>97605414</u>
Sampler: <u>SL</u>	Date: <u>8/14/08</u>
Well I.D.: <u>MW-1</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth (TD): <u>7.33</u>	Depth to Water (DTW): <u>3.40</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]: <u>4.19</u>	

Purge Method: Bailer ☒ Disposable Bailer ☒ Positive Air Displacement ☐ Electric Submersible ☐ Waterra ☐ Peristaltic ☐ Extraction Pump ☐ Other _____

Sampling Method: Bailer ☒ Disposable Bailer ☒ Extraction Port ☐ Dedicated Tubing ☐ Other: _____

<u>0.6</u> (Gals.) X <u>3</u> = <u>1.8</u> Gals.	Well Diameter	Multiplier	Well Diameter	Multiplier
1 Case Volume	Specified Volumes	Calculated Volume	1"	0.04
			2"	0.16
			3"	0.37
			4"	0.65
			6"	1.47
			Other	radius * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1150	71.6	6.69	547	>1000	0.6	
1151	70.4	6.66	554	>1000	1.2	
1153	69.9	6.59	555	>1000	1.8	

Did well dewater? Yes ☐ No ☒ Gallons actually evacuated: 1.8

Sampling Date: 8/14/08 Sampling Time: 1155 Depth to Water: 3.50

Sample I.D.: MW-1 Laboratory: STL SPL Other: C/E/Engine

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

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>080814SLZ</u>	Site: <u>97605414</u>
Sampler: <u>SL</u>	Date: <u>8/14/08</u>
Well I.D.: <u>MW-2</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth (TD): <u>7.44</u>	Depth to Water (DTW): <u>3.51</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]: <u>4.30</u>	

Purge Method: Bailer ☒ Disposable Bailer ☐ Positive Air Displacement ☐ Electric Submersible ☐ Waterra ☐ Peristaltic ☐ Extraction Pump ☐ Other _____

Sampling Method: Bailer ☒ Disposable Bailer ☐ Extraction Port ☐ Dedicated Tubing ☐ Other: _____

<u>0.6</u> (Gals.) X <u>3</u> = <u>1.8</u> Gals.	Well Diameter	Multiplier	Well Diameter	Multiplier
I Case Volume	Specified Volumes	Calculated Volume		
			1"	0.04
			2"	0.16
			3"	0.37
			4"	0.65
			6"	1.47
			Other	radius * 0.163

Time	Temp (°F)	pH	Cond (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1204	70.2	7.43	559	21000	0.6	
1206	69.9	7.8	560	21000	1.2	
1209	69.8	7.08	560	21000	1.8	

Did well dewater? Yes ☒ No ☐ Gallons actually evacuated: 1.8

Sampling Date: 8/14/08 Sampling Time: 1215 Depth to Water: 4.00

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

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

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>080814412</u>	Site: <u>97605414</u>
Sampler: <u>SL</u>	Date: <u>8/14/08</u>
Well I.D.: <u>MW-3</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth (TD): <u>7.20</u>	Depth to Water (DTW): <u>2.75</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]: <u>3.64</u>	

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

0.7 (Gals.) X 3 = 2.1 Gals.
 I 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 μ S)	Turbidity (NTUs)	Gals. Removed	Observations
<u>1132</u>	<u>71.2</u>	<u>7.02</u>	<u>435</u>	<u>>1000</u>	<u>0.7</u>	
<u>1133</u>	<u>69.5</u>	<u>6.72</u>	<u>427</u>	<u>>1000</u>	<u>1.4</u>	
<u>1135</u>	<u>69.3</u>	<u>6.67</u>	<u>426</u>	<u>>1000</u>	<u>2.1</u>	

Did well dewater? Yes No Gallons actually evacuated: 2.1

Sampling Date: 8/14/08 Sampling Time: 1140 Depth to Water: 3.00

Sample I.D.: MW-3 Laboratory: STL SPL Other: C/A/Signe

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

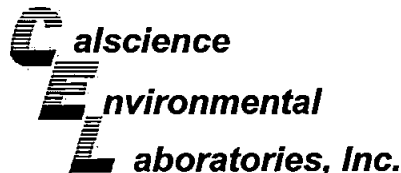
EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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

APPENDIX B

LABORATORY ANALYTICAL REPORT



August 29, 2008

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

Subject: **Calscience Work Order No.: 08-08-1378**
Client Reference: **4902 25th Ave., NE. Seattle, WA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 8/15/2008 and analyzed in accordance with the attached chain-of-custody.

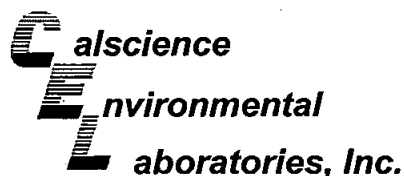
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows 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 black ink, appearing to read 'Jessie Kim'.

Calscience Environmental
Laboratories, Inc.
Jessie Kim
Project Manager



Analytical Report



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

Date Received: 08/15/08
Work Order No: 08-08-1378
Preparation: EPA 3020A Total
Method: EPA 6020

Project: 4902 25th Ave., NE. Seattle, WA

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1	08-08-1378-1-D	08/14/08 11:55	Aqueous	ICP/MS A	08/15/08	08/15/08 21:51	080815L03

Parameter	Result	RL	DF	Qual	Units
Lead	0.0756	0.00100	1		mg/L

MW-2	08-08-1378-2-D	08/14/08 12:15	Aqueous	ICP/MS A	08/15/08	08/15/08 21:54	080815L03
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Parameter	Result	RL	DF	Qual	Units
Lead	0.0272	0.00100	1		mg/L

MW-3	08-08-1378-3-D	08/14/08 11:40	Aqueous	ICP/MS A	08/15/08	08/15/08 21:57	080815L03
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Parameter	Result	RL	DF	Qual	Units
Lead	0.0676	0.00100	1		mg/L

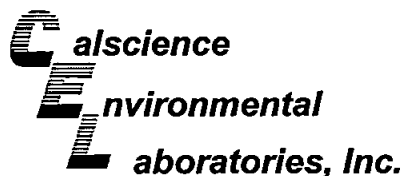
MW-4	08-08-1378-4-D	08/14/08 11:25	Aqueous	ICP/MS A	08/15/08	08/15/08 22:26	080815L03
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Parameter	Result	RL	DF	Qual	Units
Lead	0.0558	0.00100	1		mg/L

Method Blank	096-06-003-1,673	N/A	Aqueous	ICP/MS A	08/15/08	08/15/08 13:22	080815L03
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Parameter	Result	RL	DF	Qual	Units
Lead	ND	0.00100	1		mg/L

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



Analytical Report



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

Date Received: 08/15/08
Work Order No: 08-08-1378
Preparation: EPA 5030B
Method: NWTPH-Gx

Project: 4902 25th Ave., NE. Seattle, 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-1	08-08-1378-1-C	08/14/08 11:55	Aqueous	GC 18	08/19/08	08/19/08 04:06	080818B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	81	38-134			

MW-2	08-08-1378-2-C	08/14/08 12:15	Aqueous	GC 18	08/19/08	08/19/08 04:40	080818B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	83	38-134			

MW-3	08-08-1378-3-C	08/14/08 11:40	Aqueous	GC 18	08/19/08	08/19/08 05:13	080818B01
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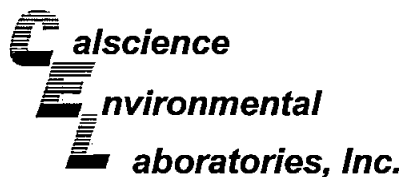
Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	83	38-134			

MW-4	08-08-1378-4-C	08/14/08 11:25	Aqueous	GC 18	08/19/08	08/19/08 05:47	080818B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	84	38-134			

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

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501



Analytical Report



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

Date Received: 08/15/08
Work Order No: 08-08-1378
Preparation: EPA 5030B
Method: NWTPH-Gx

Project: 4902 25th Ave., NE. Seattle, WA

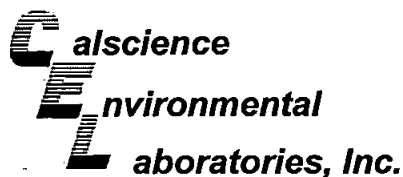
Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-743-7	N/A	Aqueous	GC 18	08/18/08	08/18/08 15:13	080818B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	80	38-134			

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

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Analytical Report



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

Date Received: 08/15/08
Work Order No: 08-08-1378
Preparation: EPA 3510C
Method: NWTPH-Dx

Project: 4902 25th Ave., NE. Seattle, 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-1	08-08-1378-1-E	08/14/08 11:55	Aqueous	GC 6	08/20/08	08/21/08 23:30	080820B16

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

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	88	68-140	

MW-2	08-08-1378-2-E	08/14/08 12:15	Aqueous	GC 6	08/20/08	08/22/08 00:12	080820B16
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Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	92	68-140	

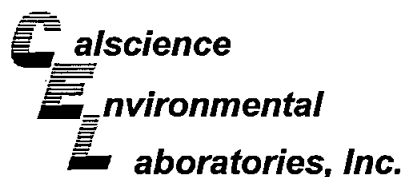
MW-3	08-08-1378-3-E	08/14/08 11:40	Aqueous	GC 6	08/20/08	08/22/08 00:55	080820B16
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Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	83	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: 08/15/08
Work Order No: 08-08-1378
Preparation: EPA 3510C
Method: NWTPH-Dx

Project: 4902 25th Ave., NE. Seattle, WA

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-4	08-08-1378-4-E	08/14/08 11:25	Aqueous	GC 6	08/20/08	08/22/08 01:39	080820B16

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	Units
TPH as Diesel	210	100	1		ug/L

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

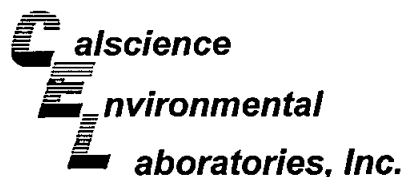
Method Blank	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
	099-12-747-4	N/A	Aqueous	GC 6	08/20/08	08/21/08 20:40	080820B16

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	91	68-140	

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

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Analytical Report



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

Date Received: 08/15/08
Work Order No: 08-08-1378
Preparation: EPA 3510C
Method: EPA 8270C SIM PAHs
Units: ug/L

Project: 4902 25th Ave., NE. Seattle, WA

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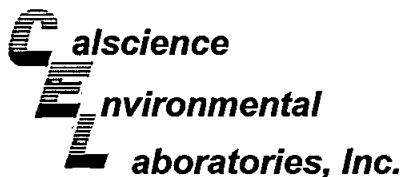
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1	08-08-1378-1-H	08/14/08 11:55	Aqueous	GC/MS GG	08/18/08	08/20/08 16:59	080818L06

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.20	1		Pyrene	ND	0.20	1	
2-Methylnaphthalene	ND	0.20	1		Benzo (a) Anthracene	ND	0.20	1	
1-Methylnaphthalene	ND	0.20	1		Chrysene	ND	0.20	1	
Acenaphthylene	ND	0.20	1		Benzo (k) Fluoranthene	ND	0.20	1	
Acenaphthene	ND	0.20	1		Benzo (b) Fluoranthene	ND	0.20	1	
Fluorene	ND	0.20	1		Benzo (a) Pyrene	ND	0.20	1	
Phenanthrene	ND	0.20	1		Indeno (1,2,3-c,d) Pyrene	ND	0.20	1	
Anthracene	ND	0.20	1		Dibenz (a,h) Anthracene	ND	0.20	1	
Fluoranthene	ND	0.20	1		Benzo (g,h,i) Perylene	ND	0.20	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	106	28-139			2-Fluorobiphenyl	117	33-144		
p-Terphenyl-d14	98	23-160							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-2	08-08-1378-2-H	08/14/08 12:15	Aqueous	GC/MS GG	08/18/08	08/20/08 17:45	080818L06

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.20	1		Pyrene	ND	0.20	1	
2-Methylnaphthalene	ND	0.20	1		Benzo (a) Anthracene	ND	0.20	1	
1-Methylnaphthalene	ND	0.20	1		Chrysene	ND	0.20	1	
Acenaphthylene	ND	0.20	1		Benzo (k) Fluoranthene	ND	0.20	1	
Acenaphthene	ND	0.20	1		Benzo (b) Fluoranthene	ND	0.20	1	
Fluorene	ND	0.20	1		Benzo (a) Pyrene	ND	0.20	1	
Phenanthrene	ND	0.20	1		Indeno (1,2,3-c,d) Pyrene	ND	0.20	1	
Anthracene	ND	0.20	1		Dibenz (a,h) Anthracene	ND	0.20	1	
Fluoranthene	ND	0.20	1		Benzo (g,h,i) Perylene	ND	0.20	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	111	28-139			2-Fluorobiphenyl	113	33-144		
p-Terphenyl-d14	90	23-160							

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



Analytical Report



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

Date Received: 08/15/08
Work Order No: 08-08-1378
Preparation: EPA 3510C
Method: EPA 8270C SIM PAHs
Units: ug/L

Project: 4902 25th Ave., NE. Seattle, WA

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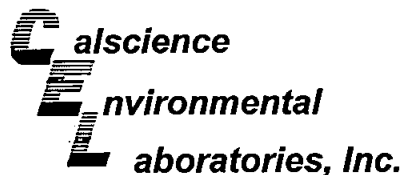
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-3	08-08-1378-3-H	08/14/08 11:40	Aqueous	GC/MS GG	08/18/08	08/20/08 18:31	080818L06

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.20	1		Pyrene	ND	0.20	1	
2-Methylnaphthalene	ND	0.20	1		Benzo (a) Anthracene	ND	0.20	1	
1-Methylnaphthalene	ND	0.20	1		Chrysene	ND	0.20	1	
Acenaphthylene	ND	0.20	1		Benzo (k) Fluoranthene	ND	0.20	1	
Acenaphthene	0.33	0.20	1		Benzo (b) Fluoranthene	ND	0.20	1	
Fluorene	ND	0.20	1		Benzo (a) Pyrene	ND	0.20	1	
Phenanthrene	ND	0.20	1		Indeno (1,2,3-c,d) Pyrene	ND	0.20	1	
Anthracene	ND	0.20	1		Dibenz (a,h) Anthracene	ND	0.20	1	
Fluoranthene	ND	0.20	1		Benzo (g,h,i) Perylene	ND	0.20	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	118	28-139			2-Fluorobiphenyl	116	33-144		
p-Terphenyl-d14	93	23-160							

MW-4	08-08-1378-4-H	08/14/08 11:25	Aqueous	GC/MS GG	08/18/08	08/20/08 19:17	080818L06
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.20	1		Pyrene	ND	0.20	1	
2-Methylnaphthalene	ND	0.20	1		Benzo (a) Anthracene	ND	0.20	1	
1-Methylnaphthalene	ND	0.20	1		Chrysene	ND	0.20	1	
Acenaphthylene	ND	0.20	1		Benzo (k) Fluoranthene	ND	0.20	1	
Acenaphthene	ND	0.20	1		Benzo (b) Fluoranthene	ND	0.20	1	
Fluorene	ND	0.20	1		Benzo (a) Pyrene	ND	0.20	1	
Phenanthrene	ND	0.20	1		Indeno (1,2,3-c,d) Pyrene	ND	0.20	1	
Anthracene	ND	0.20	1		Dibenz (a,h) Anthracene	ND	0.20	1	
Fluoranthene	ND	0.20	1		Benzo (g,h,i) Perylene	ND	0.20	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	108	28-139			2-Fluorobiphenyl	114	33-144		
p-Terphenyl-d14	94	23-160							

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



Analytical Report



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

Date Received: 08/15/08
Work Order No: 08-08-1378
Preparation: EPA 3510C
Method: EPA 8270C SIM PAHs
Units: ug/L

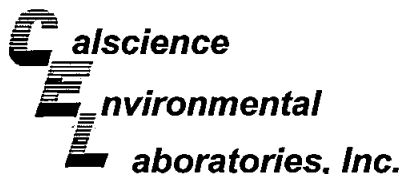
Project: 4902 25th Ave., NE. Seattle, WA

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	099-06-008-136	N/A	Aqueous	GC/MS GG	08/18/08	08/20/08 13:55	080818L06

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.20	1		Pyrene	ND	0.20	1	
2-Methylnaphthalene	ND	0.20	1		Benzo (a) Anthracene	ND	0.20	1	
1-Methylnaphthalene	ND	0.20	1		Chrysene	ND	0.20	1	
Acenaphthylene	ND	0.20	1		Benzo (k) Fluoranthene	ND	0.20	1	
Acenaphthene	ND	0.20	1		Benzo (b) Fluoranthene	ND	0.20	1	
Fluorene	ND	0.20	1		Benzo (a) Pyrene	ND	0.20	1	
Phenanthrene	ND	0.20	1		Indeno (1,2,3-c,d) Pyrene	ND	0.20	1	
Anthracene	ND	0.20	1		Dibenz (a,h) Anthracene	ND	0.20	1	
Fluoranthene	ND	0.20	1		Benzo (g,h,i) Perylene	ND	0.20	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	106	28-139			2-Fluorobiphenyl	101	33-144		
p-Terphenyl-d14	95	23-160							

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



Analytical Report



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

Date Received: 08/15/08
Work Order No: 08-08-1378
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: 4902 25th Ave., NE. Seattle, 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-1	08-08-1378-1-A	08/14/08 11:55	Aqueous	GC/MS CC	08/18/08	08/18/08 21:26	080818L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
o-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	102	82-130			1,2-Dichloroethane-d4	97	75-141		
Toluene-d8	98	83-113			1,4-Bromofluorobenzene	89	70-118		

MW-2	08-08-1378-2-A	08/14/08 12:15	Aqueous	GC/MS CC	08/18/08	08/18/08 21:53	080818L01
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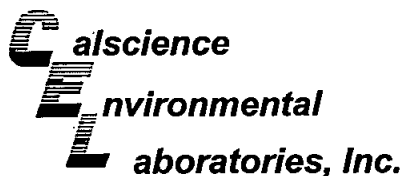
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
o-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	103	82-130			1,2-Dichloroethane-d4	95	75-141		
Toluene-d8	96	83-113			1,4-Bromofluorobenzene	87	70-118		

MW-3	08-08-1378-3-A	08/14/08 11:40	Aqueous	GC/MS CC	08/18/08	08/18/08 22:20	080818L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
o-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	107	82-130			1,2-Dichloroethane-d4	101	75-141		
Toluene-d8	100	83-113			1,4-Bromofluorobenzene	92	70-118		

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

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Analytical Report



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

Date Received: 08/15/08
Work Order No: 08-08-1378
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: 4902 25th Ave., NE. Seattle, WA

Page 2 of 2

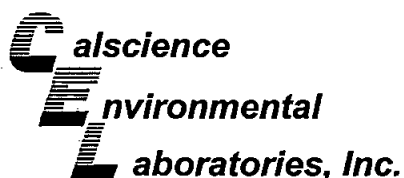
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-4	08-08-1378-4-A	08/14/08 11:25	Aqueous	GC/MS CC	08/18/08	08/18/08 22:47	080818L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
o-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	111	82-130			1,2-Dichloroethane-d4	104	75-141		
Toluene-d8	100	83-113			1,4-Bromofluorobenzene	85	70-118		

Method Blank	099-10-006-26,610	N/A	Aqueous	GC/MS CC	08/18/08	08/18/08 15:31	080818L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
o-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	109	82-130			1,2-Dichloroethane-d4	103	75-141		
Toluene-d8	100	83-113			1,4-Bromofluorobenzene	89	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

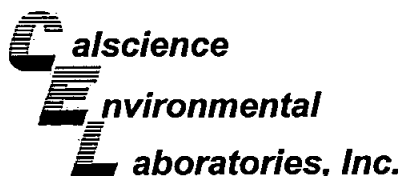
Date Received: 08/15/08
Work Order No: 08-08-1378
Preparation: EPA 3020A Total
Method: EPA 6020

Project 4902 25th Ave., NE. Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-08-1123-1	Aqueous	ICP/MS A	08/15/08	08/15/08	080815S03A

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	100	90	79-121	10	0-10	

RPD - Relative Percent Difference, CL - Control Limit



Quality Control - Spike/Spike Duplicate



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

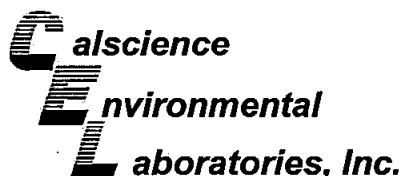
Date Received: 08/15/08
Work Order No: 08-08-1378
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project 4902 25th Ave., NE. Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-08-1115-1	Aqueous	GC 18	08/18/08	08/18/08	080818S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	91	92	68-122	2	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

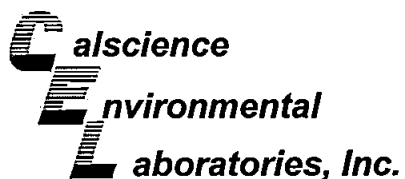
Date Received: 08/15/08
Work Order No: 08-08-1378
Preparation: EPA 5030B
Method: EPA 8260B

Project 4902 25th Ave., NE. Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-08-1238-5	Aqueous	GC/MS CC	08/18/08	08/18/08	080818S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	114	115	88-118	1	0-7	
Carbon Tetrachloride	110	109	67-145	0	0-11	
Chlorobenzene	110	110	88-118	0	0-7	
1,2-Dibromoethane	113	113	70-130	1	0-30	
1,2-Dichlorobenzene	121	118	86-116	2	0-8	3
1,1-Dichloroethene	100	98	70-130	2	0-25	
Ethylbenzene	116	116	70-130	1	0-30	
Toluene	116	117	87-123	1	0-8	
Trichloroethene	107	108	79-127	1	0-10	
Vinyl Chloride	109	109	69-129	0	0-13	
Methyl-t-Butyl Ether (MTBE)	109	111	71-131	2	0-13	
Tert-Butyl Alcohol (TBA)	101	108	36-168	7	0-45	
Diisopropyl Ether (DIPE)	103	102	81-123	1	0-9	
Ethyl-t-Butyl Ether (ETBE)	95	97	72-126	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	112	114	72-126	1	0-12	
Ethanol	96	103	53-149	7	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: 08-08-1378
Preparation: EPA 3020A Total
Method: EPA 6020

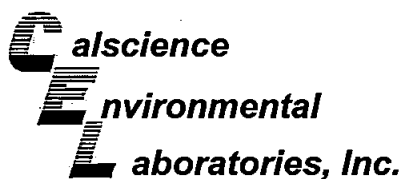
Project: 4902 25th Ave., NE. Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
096-06-003-1,673	Aqueous	ICP/MS A	08/15/08	08/15/08	080815L03

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	99	100	80-120	1	0-20	

RPD - Relative Percent Difference, CL - Control Limit

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Quality Control - LCS/LCS Duplicate



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

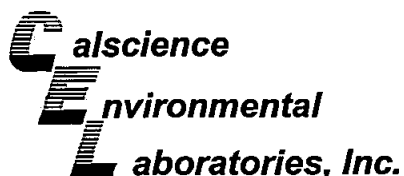
Date Received: N/A
Work Order No: 08-08-1378
Preparation: EPA 5030B
Method: NWTPH-Gx

Project: 4902 25th Ave., NE. Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-743-7	Aqueous	GC 18	08/18/08	08/18/08	080818B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	94	89	78-120	4	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

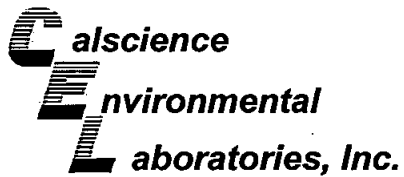
Date Received: N/A
Work Order No: 08-08-1378
Preparation: EPA 3510C
Method: NWTPH-Dx

Project: 4902 25th Ave., NE. Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-747-4	Aqueous	GC 6	08/20/08	08/21/08	080820B16

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	90	91	75-117	1	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

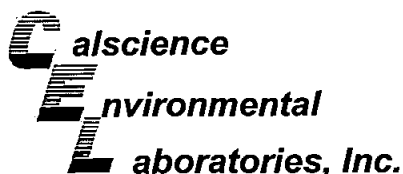
Date Received: N/A
Work Order No: 08-08-1378
Preparation: EPA 3510C
Method: EPA 8270C SIM PAHs

Project: 4902 25th Ave., NE. Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-06-008-136	Aqueous	GC/MS GG	08/18/08	08/20/08	080818L06

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Acenaphthene	114	113	55-121	1	0-15	
Pyrene	111	109	45-129	1	0-15	

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: 08-08-1378
Preparation: EPA 5030B
Method: EPA 8260B

Project: 4902 25th Ave., NE. Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-10-006-26,610	Aqueous	GC/MS CC	08/18/08	08/18/08	080818L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	114	113	84-120	78-126	1	0-8	
Carbon Tetrachloride	112	109	63-147	49-161	3	0-10	
Chlorobenzene	108	108	89-119	84-124	0	0-7	
1,2-Dibromoethane	114	112	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	120	118	89-119	84-124	2	0-9	X
1,1-Dichloroethene	101	100	77-125	69-133	1	0-16	
Ethylbenzene	117	117	80-120	73-127	0	0-20	
Toluene	118	116	83-125	76-132	1	0-9	
Trichloroethene	108	107	89-119	84-124	1	0-8	
Vinyl Chloride	110	107	63-135	51-147	3	0-13	
Methyl-t-Butyl Ether (MTBE)	114	110	82-118	76-124	4	0-13	
Tert-Butyl Alcohol (TBA)	106	105	46-154	28-172	2	0-32	
Diisopropyl Ether (DIPE)	105	103	81-123	74-130	2	0-11	
Ethyl-t-Butyl Ether (ETBE)	100	98	74-122	66-130	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	114	113	76-124	68-132	1	0-10	
Ethanol	101	99	60-138	47-151	2	0-32	

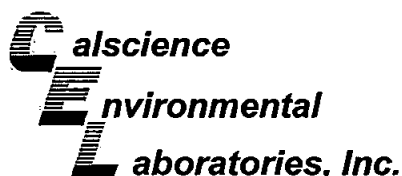
Total number of LCS compounds : 16

Total number of ME compounds : 1

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit



Glossary of Terms and Qualifiers



Work Order Number: 08-08-1378

<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.

A handwritten signature in black ink, appearing to be 'M. J. ...'.

LAB (LOCATION)

LAB (LOCATION)
☐ SPL Houston
☐ XE/CO
☐ TEST AMERICA
☐ OTHER



Shell Oil Products Chain Of Custody Record

Please Check Appropriate Box:

☒ ENV. SERVICES	☐ MOTIVA RETAIL	☐ SHELL RETAIL
☐ MOTIVA SDCN	☐ CONSULTANT	☐ LUBES
☐ SHELL PIPELINE	☐ OTHER	

Print Bill To Contact Name: Carol Compagna
 INCIDENT # (ENV SERVICES): 9 7 6 0 5 4 1 4
 PO # _____ SAP # _____
 CHECK IF NO INCIDENT # APPLIES
 DATE: 8/14/08
 PAGE: 1 of 1

SAMPLE COMPANY: Blaine Tech Services
 ADDRESS: 1880 Rogers Avenues, San Jose, Ca
 PROJECT CONTRACT (Party or PCP Report to):
 Eric Morse
 TELEPHONE: 916-925-2913x102 FAX: 916-925-2891
 E-MAIL: emorse@blainetech.com

SITE ADDRESS: Street and City: 4902 25th Ave. NE, Seattle
 STATE: WA COUNTY: NA
 ECP DELIVERABLE TO (Home, Company, Office Location):
 CHRISTINA SCHWELGER, CRA, Everett 425-212-5100
 EMAIL: cschwelger@CRAworld.com
 CONSULTANT PROJECT NO: 08814-SL2
 LAB USE ONLY: 08-1378

TURNAROUND TIME (CALENDAR DAYS):
☒ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS
☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ LIST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES:

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

- ☒ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☒ RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LA - RWQCB REPORT FORMAT												LIST AGENCY:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
SPECIAL INSTRUCTIONS OR NOTES :												☒ SHELL CONTRACT RATE APPLIES ☐ STATE REIMBURSEMENT RATE APPLIES ☐ EDD NOT NEEDED ☒ RECEIPT VERIFICATION REQUESTED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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LAB USE ONLY	Field Sample Identification		SAMPLING		MATRIX	PRESERVATIVE					NO. OF CONT.	NWTPH-GX	NWTPH-DX w/Silica Gel Cleanup	BTEX (8260B)	5 Oxygenates, MTBE, TBA, DIPE, TAME, ETBE (8260B)	EDB, EDC (8260B)	Total Lead (6020)	PCBs (8082)	PAHs (8070 SIM)	VOCs Full list (8260B)	Pest (8080)	NWTPH-VPH	NWTPH-EPH	n-Hexane (9071B)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	</

Relinquished by: (Signature) [Signature]

Received by: (Signature) [Signature] (Cedex)

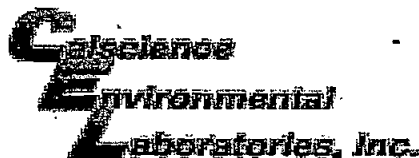
Date: 8/14/08 Time: 1700

Relinquished by: (Signature)
 Fedex 851230472696

Received by: (Signature) [Signature]

Date: 8/15/08 Time: 1000

05/2/00 Revision



WORK ORDER #: 08 - 08 - 1378

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Blaine Tech

DATE: 8/15/08

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

Chilled, cooler with temperature blank provided.

Chilled, cooler without temperature blank.

Chilled and placed in cooler with wet ice.

Ambient and placed in cooler with wet ice.

Ambient temperature (For Air & Filter Only).

°C Temperature blank.

LABORATORY (Other than Calscience Courier):

4.3 °C Temperature blank.

°C IR Thermometer.

Ambient temperature (For Air & Filter Only).

Initial: JP

CUSTODY SEAL INTACT:

Sample(s):

Cooler:

No (Not Intact) :

Not Present: ✓

Initial: JP

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples.....	✓		
Sampler's name indicated on COC.....	✓		
Sample container label(s) consistent with custody papers.....	✓		
Sample container(s) intact and good condition.....	✓		
Correct containers and volume for analyses requested.....	✓		
Proper preservation noted on sample label(s).....	✓		
VOA vial(s) free of headspace.	✓		
Tedlar bag(s) free of condensation.....			✓

Initial: JP

COMMENTS:



Supplemental Report 1

October 09, 2008

Additional requested analyses are reported as a stand-alone report.

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

Subject: Calscience Work Order No.: 08-08-1378
Client Reference: 4902 25th Ave., NE. Seattle, WA

Dear Client:

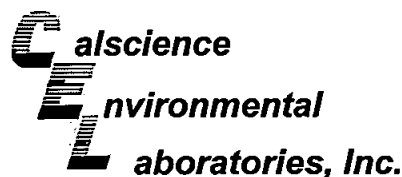
Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 8/15/2008 and analyzed in accordance with the attached chain-of-custody.

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,

Calscience Environmental
Laboratories, Inc.
Jessie Kim
Project Manager



Analytical Report



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

Date Received: 08/15/08
Work Order No: 08-08-1378
Preparation: EPA 3510C
Method: NWTPH-Dx
Units: ug/L

Project: 4902 25th Ave., NE. Seattle, WA

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1	08-08-1378-1-E	08/14/08 11:55	Aqueous	GC 6	08/20/08	08/21/08 23:30	080820B16

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	88	68-140							

MW-2	08-08-1378-2-E	08/14/08 12:15	Aqueous	GC 6	08/20/08	08/22/08 00:12	080820B16
------	----------------	-------------------	---------	------	----------	-------------------	-----------

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							

MW-3	08-08-1378-3-E	08/14/08 11:40	Aqueous	GC 6	08/20/08	08/22/08 00:55	080820B16
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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	83	68-140							

MW-4	08-08-1378-4-E	08/14/08 11:25	Aqueous	GC 6	08/20/08	08/22/08 01:39	080820B16
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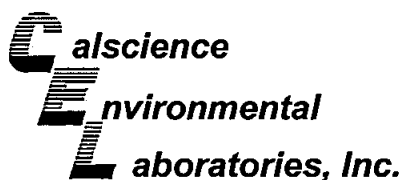
Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPH as Diesel Range	ND	100	1		TPH as Motor Oil Range	110	100	1	
Surrogates:	REC (%)	Control Limits		Qual					
Decachlorobiphenyl	96	68-140							

Method Blank	099-12-840-8	N/A	Aqueous	GC 6	08/20/08	08/21/08 20:40	080820B16
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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



Quality Control - LCS/LCS Duplicate



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

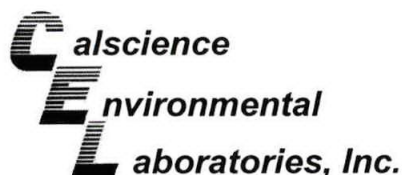
Date Received: N/A
Work Order No: 08-08-1378
Preparation: EPA 3510C
Method: NWTPH-Dx

Project: 4902 25th Ave., NE. Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-840-8	Aqueous	GC 6	08/20/08	08/21/08	080820B16

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel Range	90	91	75-117	1	0-13	

RPD - Relative Percent Difference, CL - Control Limit



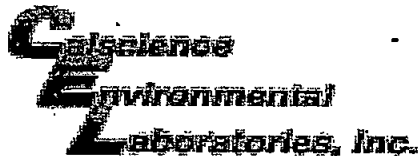
Glossary of Terms and Qualifiers



Work Order Number: 08-08-1378

<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 #: 08 - 08 - 1378

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Blaine Tech

DATE: 8/15/08

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

Chilled, cooler with temperature blank provided.

Chilled, cooler without temperature blank.

Chilled and placed in cooler with wet ice.

Ambient and placed in cooler with wet ice.

Ambient temperature (For Air & Filter Only).

°C Temperature blank.

LABORATORY (Other than Calscience Courier):

4.3 °C Temperature blank.

°C IR Thermometer.

Ambient temperature (For Air & Filter Only).

Initial: JP

CUSTODY SEAL INTACT:

Sample(s):

Cooler:

No (Not Intact):

Not Present: ✓

Initial: JP

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples.....	✓		
Sampler's name indicated on COC.....	✓		
Sample container label(s) consistent with custody papers.....	✓		
Sample container(s) intact and good condition.....	✓		
Correct containers and volume for analyses requested.....	✓		
Proper preservation noted on sample label(s).....	✓		
VOA vial(s) free of headspace.....	✓		
Tedlar bag(s) free of condensation.....			✓

Initial: JP

COMMENTS: