



**CONESTOGA-ROVERS
& ASSOCIATES**

Minit Lube 1102
Lynnwood
LUST 324012
UST #6502
October 23, 2007

Mr. John Bails
Northwest Regional Office
Washington Department of Ecology
3190 160th Avenue SE
Bellevue, WA 98008-5452

Re: **Site Investigation Report**
Aloha Cafe (Former Jiffy Lube)
6808 196th Street
Lynnwood, Washington
SAP No. 171152
JLI No. 2069
Incident No. 97605410

10/29/07
JTB

RECEIVED

OCT 29 2007

DEPT. OF ECOLOGY
TCP-NWRO

Dear Mr. Bails:

Conestoga-Rovers & Associates, Inc. (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) to document the recent site investigation activities at the above referenced site. The purpose of the investigation was to further define the extent of impacted soil throughout the property boundary of the subject site.

EXECUTIVE SUMMARY

- Previous assessment data indicate concentrations of petroleum-related compounds within soil and groundwater beneath the site.
- CRA supervised the drilling of five monitoring wells to evaluate the extent of impacted soil within the property boundary of the subject site.
- Soil analytical data indicate concentrations of petroleum-related compounds above the Washington State Model Toxics Control Act (MTCA) Method A cleanup levels are present at the site.
- The impacts are believed to be related to historical use at the property as a service station and the associated former underground storage tanks (USTs).

SITE DESCRIPTION AND BACKGROUND

The subject site is located on the corner of 196th Street and 68th Avenue W in Lynnwood, Washington (Figure 1). The property was formerly a Jiffy Lube facility and a former service



station. Currently a coffee and espresso shop called the Aloha Café uses the property and building (Figure 2). The groundwater flow direction is inferred toward the west.

INVESTIGATION RESULTS

- Drilling Dates:*** July 5-6, 2007
- Drilling Company:*** Cascade Drilling
- Personnel:*** Bryan Palmer of CRA directed the drilling activities under the supervision of Justin Foslien (Washington State Licensed Geologist #2540).
- Drilling Method:*** Hollow-stem auger
- Number of Borings:*** Five borings were advanced and completed as monitoring wells MW-6, MW-7, MW-8, MW-9, and MW-10, during the investigation. The well specifications and soil types encountered are described on the boring logs contained in Attachment A. The boring and well locations are shown on Figure 2.
- Boring Depths:*** The boring depths were completed to 21 feet below ground surface (bgs).
- Groundwater Depths:*** Depth to groundwater ranged from approximately 15 to 17 feet bgs.
- Soil Disposal:*** Soil generated from drilling was placed into eight 55-gallon drums. The drums were sampled and profiled prior to transport and disposal by Burlington Environmental, Inc. Waste disposal manifests are included in Attachment B.



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& ASSOCIATES**

Mr. John Bails
October 23, 2007

FINDINGS

Soil: The soil chemical analytical data are summarized in Table 1. Laboratory analytical reports are presented in Attachment C.

Groundwater: No groundwater samples were collected during the installation of the monitoring wells.

CONCLUSIONS

The laboratory results indicate the soil sample collected from monitoring well MW-8 at 15 bgs exceeded the Washington State Model Toxics Control Act (MTCA) Method A. levels for gasoline range total petroleum hydrocarbons (TPH-Gx). All remaining soil samples were below the MTCA Method A cleanup levels.

RECOMMENDATIONS


CRA has initiated quarterly groundwater sampling at wells MW-1 through MW-10 and will forward future quarterly monitoring reports to the Washington Department of Ecology.

CLOSING

The data collected during this investigation will be used to evaluate corrective action alternatives for this site.

If you have any questions regarding the contents of this document, please call Justin Foslien at (425) 212-5111.

Sincerely,
Conestoga-Rovers & Associates, Inc.


Justin Foslien, LG
Project Geologist





**CONESTOGA-ROVERS
& ASSOCIATES**

Mr. John Bails
October 23, 2007

Figures: 1 - Vicinity Map
2 - Monitoring Well Location Map

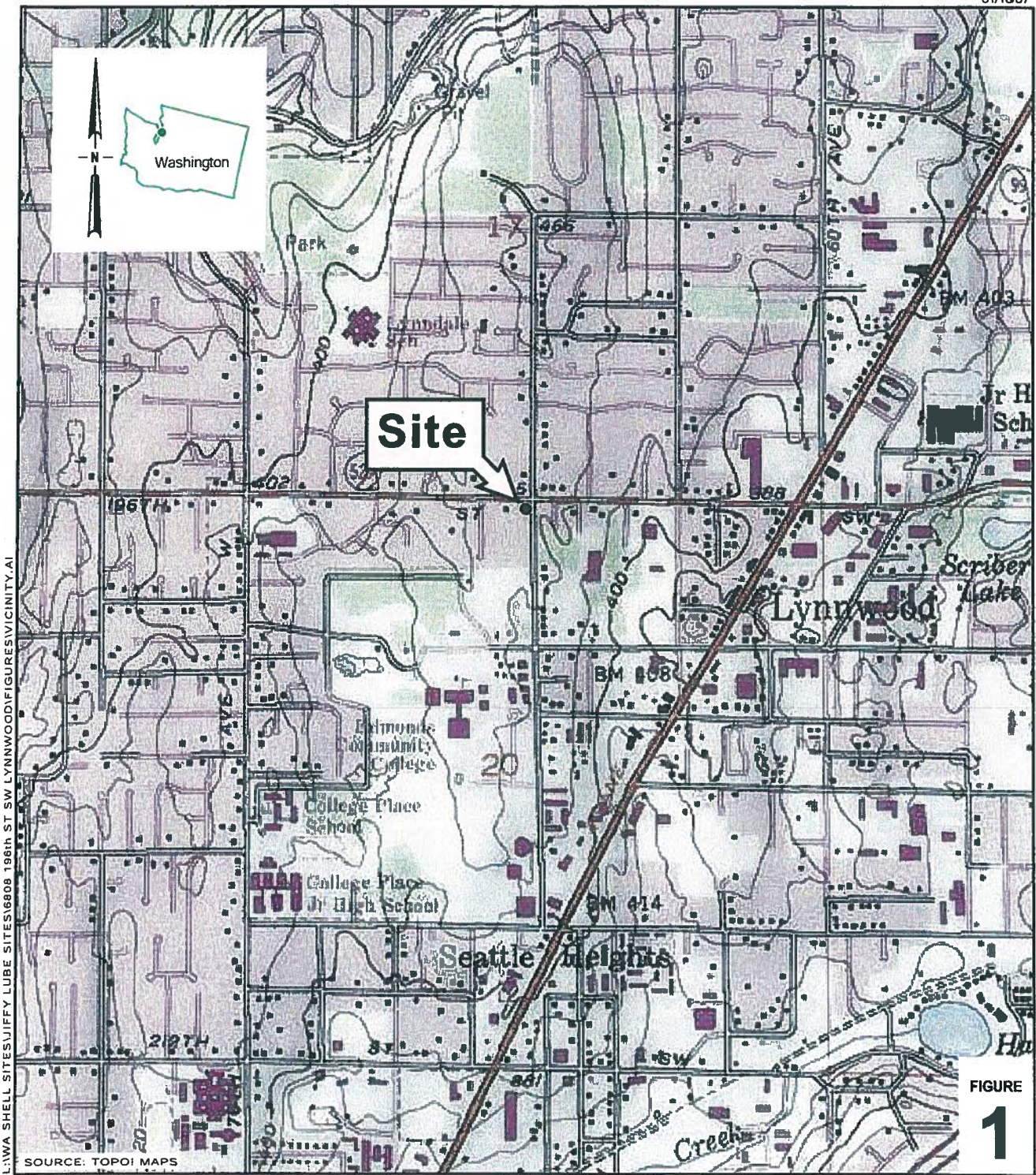
Tables: 1 - Summary of Soil Analytical Data

Attachments: A - Boring Logs
B - Waste Disposal Manifests
C - Certified Analytical Reports

cc: Carol Campagna, Shell Oil Products US, 20945 S. Wilmington Ave., Carson, CA 90810
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

I:\Everett.Shell\WA Shell Sites\Jiffy Lube Sites\6808 196th Street SW Lynnwood\Reports\SIR_July_5-6\Report\6808 Site
Investigation Report_July_2007.doc

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L:\AWA SHELL SITES\JIFFY LUBE SITES\6808 196th ST SW LYNNWOOD\FIGURES\VICINITY.A1

SOURCE: TOPOI MAPS

FIGURE 1

0 1/8 1/4 1/2 1
SCALE : 1" = 1/4 MILE

Jiffy Lube No.6802
6808 196th Street Southwest
Lynnwood, Washington



C A M B R I A

Vicinity Map

Basemap modified from drawing provided by Giese Engineers and Consultants Co., Inc. Surveying

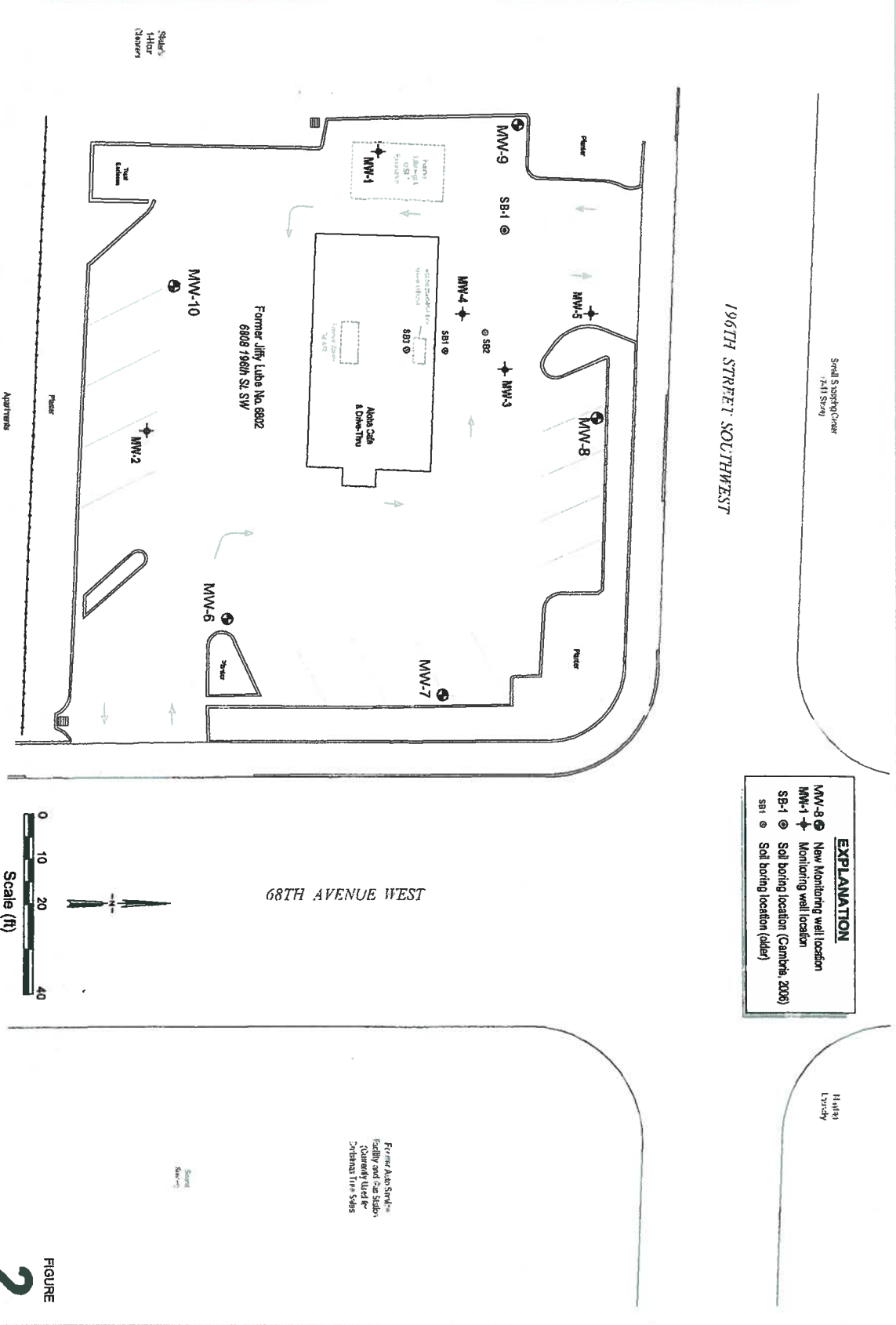


FIGURE 2

Table 1

SUMMARY OF SOIL ANALYTICAL RESULTS

SAP# 171152
 JL# 2068
 6808 196th ST SW
 Lynnwood, Washington

Sample Location	MW-6		MW-7		MW-8		MW-9		MW-10	
	MW6@15'	MW6@20'	MW7@5'	MW7@20'	MW8@15'	MW8@20'	MW9@10'	MW9@20'	MW10@5'	MW10@20'
Sample Date	7/5/2007	7/5/2007	7/5/2007	7/5/2007	7/5/2007	7/5/2007	7/6/2007	7/6/2007	7/6/2007	7/6/2007
TPH-G (mg/kg)	<3.95	<3.54	<4.11	<4.36	834.00	<4.19	<0.0364	<3.72	8.16	3.99
MTBE (mg/kg)	<0.39	<0.35	<0.41	<0.44	<0.39	<0.42	<0.43	<0.37	<0.38	<0.40
Benzene (mg/kg)	<0.0158	0.0921	<0.0164	<0.0177	2.91	0.0486	0.248	0.104	0.119	0.0532
Toluene (mg/kg)	<0.0790	<0.0708	0.214	<0.0886	30.9	0.161	<0.0854	<0.0744	0.359	0.102
Ethylbenzene (mg/kg)	<0.0790	<0.0708	<0.0822	<0.0886	7.76	<0.0838	0.0854	<0.0744	<0.0756	0.131
Xylenes (mg/kg)	<0.237	<0.212	<0.247	<0.266	49.7	<0.252	<0.256	0.327	<0.227	<0.228
1,2-Dichloroethane (mg/kg)	<0.0790	<0.0708	<0.0822	<0.0886	<0.0789	<0.0838	<0.0854	<0.0744	<0.0756	<0.0794
1,2-Dibromoethane (mg/kg)	<0.0790	<0.0708	<0.0822	<0.0886	<0.0789	<0.0838	<0.0854	<0.0744	<0.0756	<0.0795
Total Lead (mg/kg)	1.45	1.93	2.34	1.85	3.29	1.46	1.96	1.29	5.91	1.54

TPH-G = gasoline range hydrocarbons (C4-C12)
 TPH-D = diesel range hydrocarbons (C10-C28)
 TPH-O = oil range hydrocarbons (C16-C36)
 MTBE = methyl-tert-butyl-ether
 Xylenes = o-xylene + m,p xylene

Shaded concentrations indicate the result exceeds the MTCA Method A cleanup level for that analyte.

Attachment A

Boring Logs



Conestoga-Rovers & Associates
 526 Commerce Center - Building B
 1420 80th Street SW, Suite A
 Everett, WA 98203
 Telephone: (425) 212-5100
 Fax: (425) 212-5199

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	MW-6
JOB/SITE NAME	LYNN6808	DRILLING STARTED	05-Jul-07
LOCATION	6808 196th Street, Lynnwood, WA	DRILLING COMPLETED	05-Jul-07
PROJECT NUMBER	241739	WELL DEVELOPMENT DATE (YIELD)	05-Jul-07
DRILLER	Boart Longyear Drilling	GROUND SURFACE ELEVATION	449.87 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	452.00 ft above msl
BORING DIAMETER	8"	SCREENED INTERVAL	10 to 20 fbg
LOGGED BY	Bryan Palmer	DEPTH TO WATER (First Encountered)	15.0 fbg (06-Jul-07)
REVIEWED BY	T. Crotwell	DEPTH TO WATER (Static)	NA

REMARKS

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
440			0.5	SW		Asphalt Fill SAND with trace gravel: Dark Brown; moist, non plastic, high permeability.	0.5	
			5.0	SC		Sandy CLAY: Gray, wet, low plasticity, low permeability.	5.0	
301	15 21 27		10.0	GC		Gravelly CLAY with trace cobbles: Gray, wet, low plasticity, low permeability.	10.0	
670	61 20 30	MW6@1 5'	15.0	SP		Gravelly SAND with trace cobbles: Gray, wet, non plastic, high permeability.	15.0	
1821	50 for 6	MW6@2 0'	20.0				20.0	

WELL LOG (PID) EVERETT I:\ROCK\IN_APPS\GINT\PROJECTS\PALMER.GPJ_DEFAULT.GDT 8/28/07

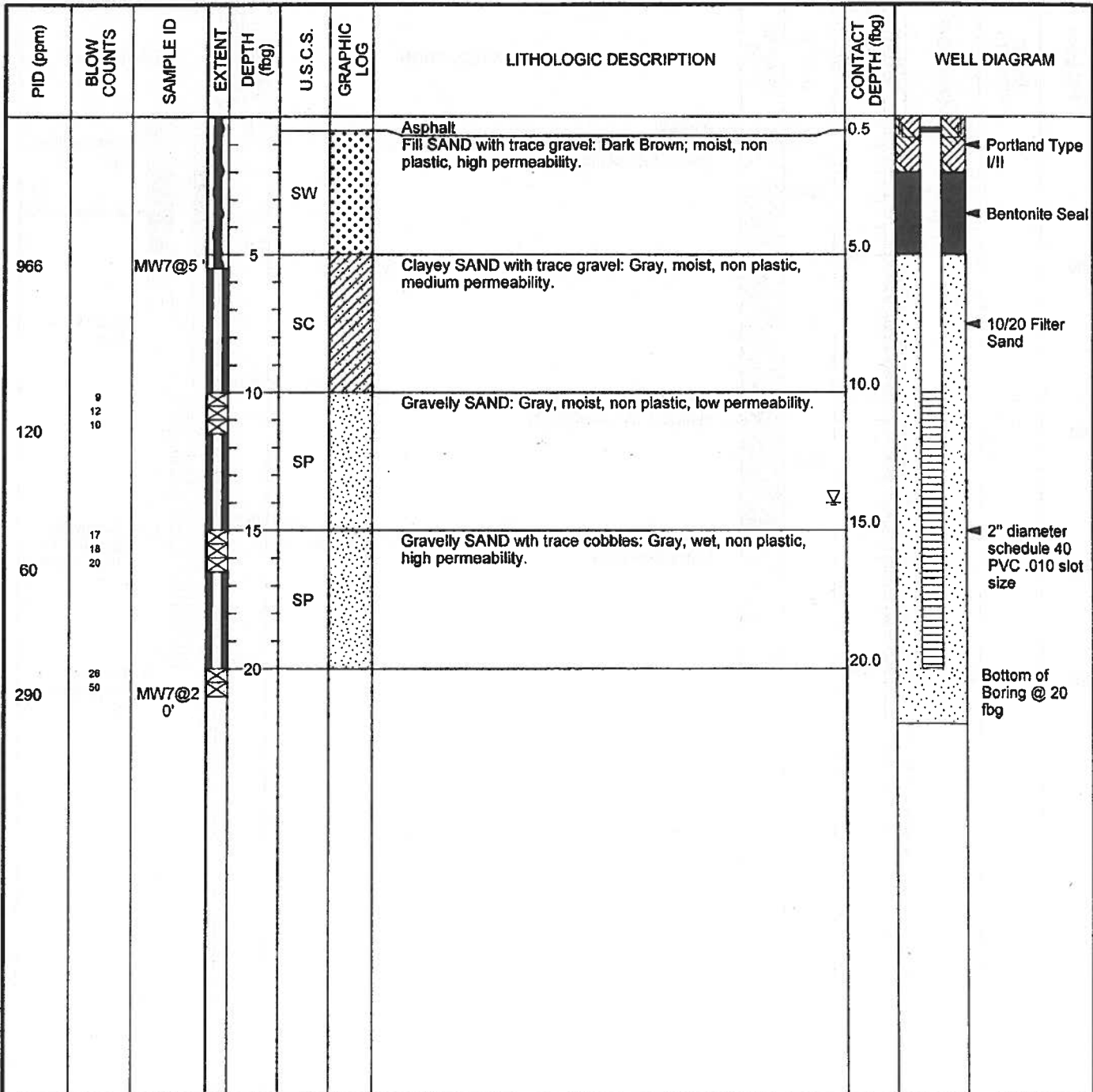


Conestoga-Rovers & Associates
 526 Commerce Center - Building B
 1420 80th Street SW, Suite A
 Everett, WA 98203
 Telephone: (425) 212-5100
 Fax: (425) 212-5199

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	MW-7
JOB/SITE NAME	LYNN6808	DRILLING STARTED	05-Jul-07
LOCATION	6808 196th Street, Lynnwood, WA	DRILLING COMPLETED	05-Jul-07
PROJECT NUMBER	241739	WELL DEVELOPMENT DATE (YIELD)	05-Jul-07
DRILLER	Boart Longyear Drilling	GROUND SURFACE ELEVATION	450.48 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	451.04 ft above msl
BORING DIAMETER	8"	SCREENED INTERVAL	10 to 20 fbg
LOGGED BY	Bryan Palmer	DEPTH TO WATER (First Encountered)	14.0 fbg (07-Jul-07)
REVIEWED BY	T. Crotwell	DEPTH TO WATER (Static)	NA

REMARKS



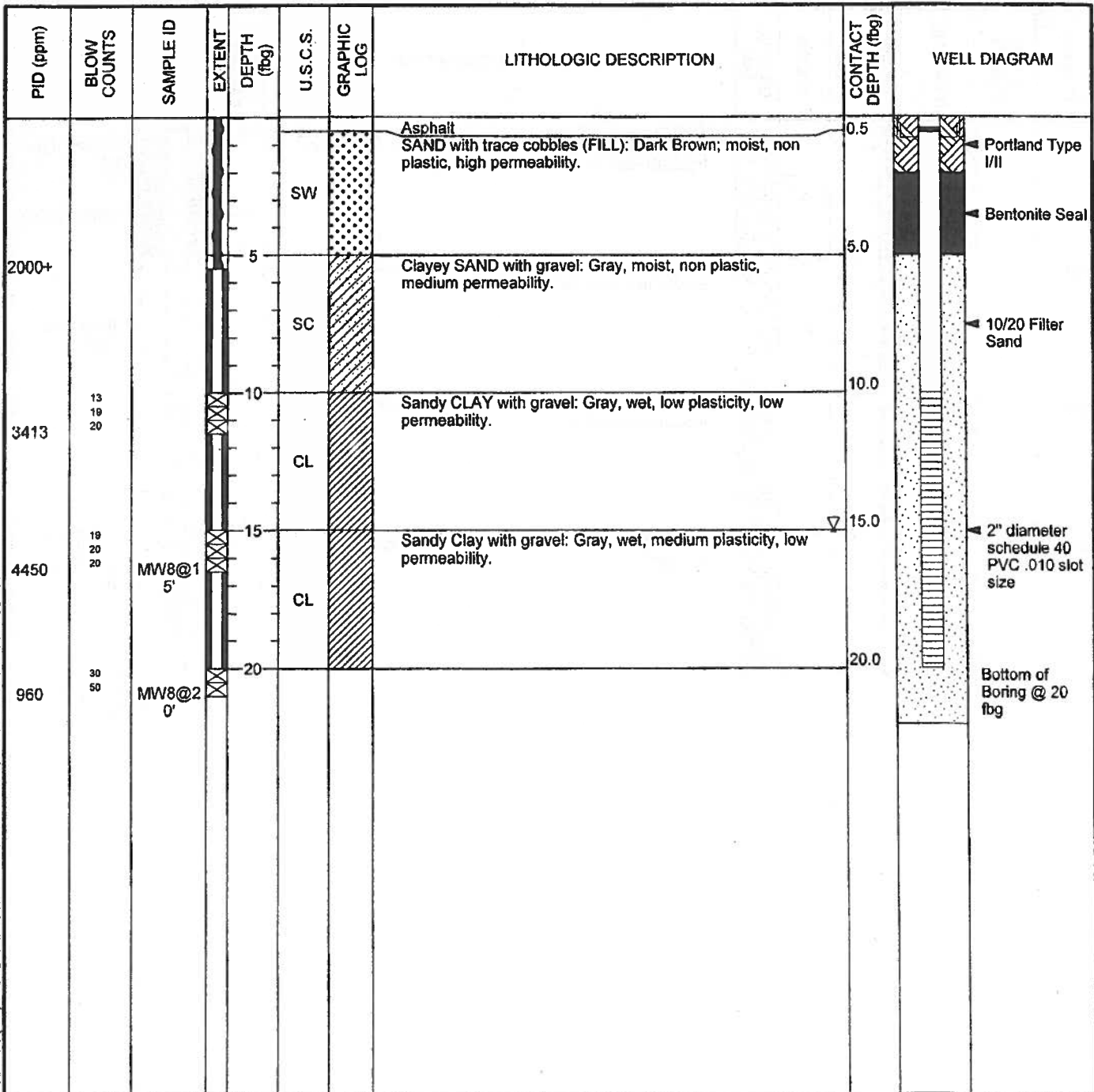
WELL LOG (PID) EVERETT I:\ROCK\IN\APP\SIGINT\PROJECTS\PALMER.GPJ DEFAULT.GDT 8/28/07



Conestoga-Rovers & Associates
 526 Commerce Center - Building B
 1420 80th Street SW, Suite A
 Everett, WA 98203
 Telephone: (425) 212-5100
 Fax: (425) 212-5199

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	MW-8
JOB/SITE NAME	LYNN6808	DRILLING STARTED	05-Jul-07
LOCATION	6808 196th Street, Lynnwood, WA	DRILLING COMPLETED	06-Jul-07
PROJECT NUMBER	241739	WELL DEVELOPMENT DATE (YIELD)	06-Jul-07
DRILLER	Boart Longyear Drilling	GROUND SURFACE ELEVATION	451.7 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	452.01 ft above msl
BORING DIAMETER	8"	SCREENED INTERVAL	10 to 20 fbg
LOGGED BY	Bryan Palmer	DEPTH TO WATER (First Encountered)	15.0 fbg (08-Jul-07)
REVIEWED BY	T. Crotwell	DEPTH TO WATER (Static)	NA
REMARKS			



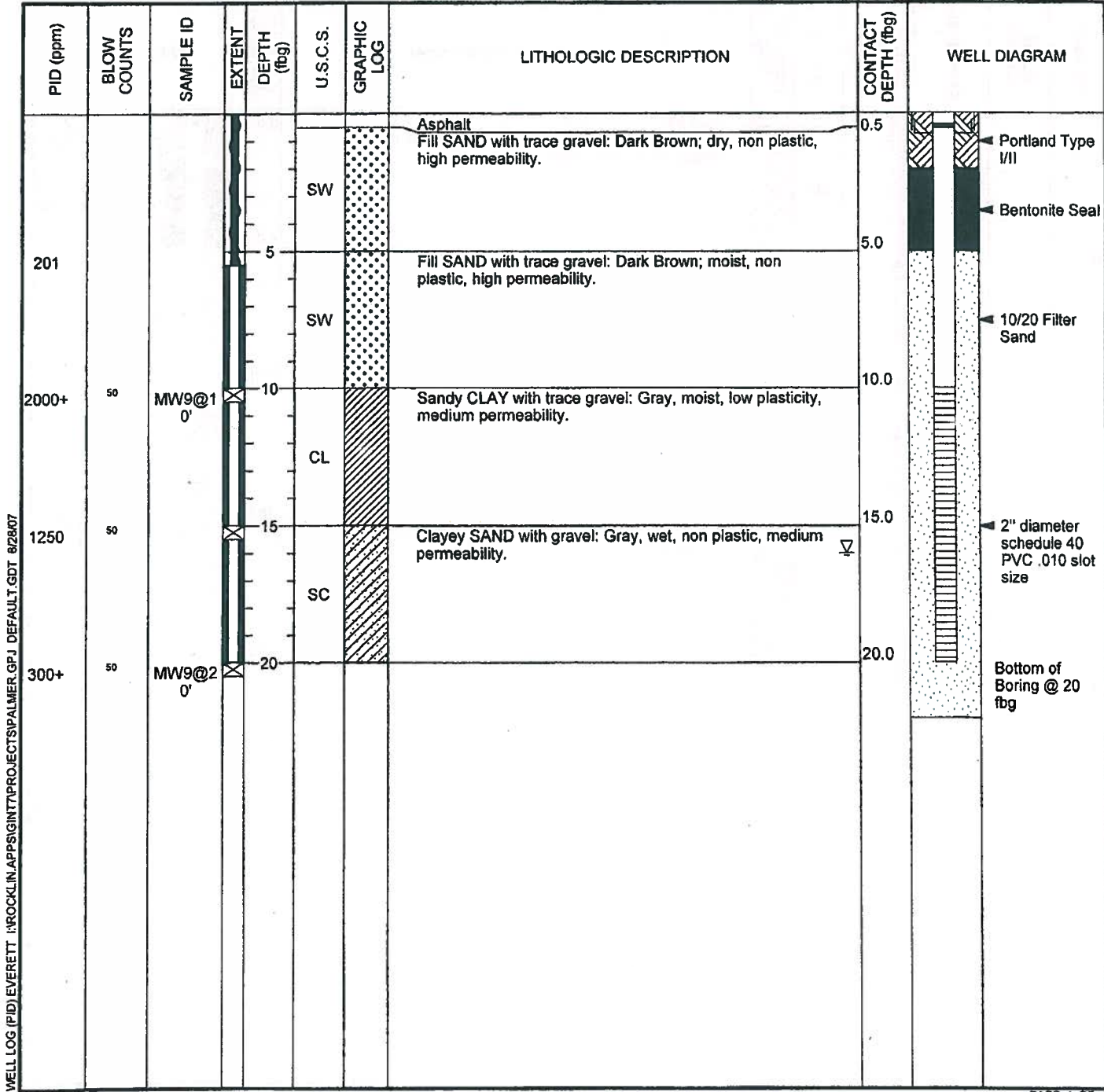
WELL LOG (PID) EVERETT I:\ROCKLIN_APPS\GINT\PROJECTS\PALMER.GPJ_DEFAULT.GDT 8/28/07



Conestoga-Rovers & Associates
 526 Commerce Center - Building B
 1420 80th Street SW, Suite A
 Everett, WA 98203
 Telephone: (425) 212-5100
 Fax: (425) 212-5199

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	MW-9
JOB/SITE NAME	LYNN6808	DRILLING STARTED	05-Jul-07
LOCATION	6808 196th Street, Lynnwood, WA	DRILLING COMPLETED	06-Jul-07
PROJECT NUMBER	241739	WELL DEVELOPMENT DATE (YIELD)	06-Jul-07
DRILLER	Boart Longyear Drilling	GROUND SURFACE ELEVATION	452.18 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	452.28 ft above msl
BORING DIAMETER	8"	SCREENED INTERVAL	10 to 20 fbg
LOGGED BY	Bryan Palmer	DEPTH TO WATER (First Encountered)	16.0 fbg (09-Jul-07)
REVIEWED BY	T. Crowell	DEPTH TO WATER (Static)	NA
REMARKS			



WELL LOG (PID) EVERETT I:\ROCK\IN\APPS\GINT\PROJECTS\PALMER.GPJ DEFAULT.GDT 8/28/07



Conestoga-Rovers & Associates
 526 Commerce Center - Building B
 1420 80th Street SW, Suite A
 Everett, WA 98203
 Telephone: (425) 212-5100
 Fax: (425) 212-5199

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	MW-10
JOB/SITE NAME	LYNN6808	DRILLING STARTED	05-Jul-07
LOCATION	6808 196th Street, Lynnwood, WA	DRILLING COMPLETED	06-Jul-07
PROJECT NUMBER	241739	WELL DEVELOPMENT DATE (YIELD)	06-Jul-07
DRILLER	Boart Longyear Drilling	GROUND SURFACE ELEVATION	451.72 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	451.58 ft above msl
BORING DIAMETER	8"	SCREENED INTERVAL	10 to 20 fbg
LOGGED BY	Bryan Palmer	DEPTH TO WATER (First Encountered)	17.0 fbg (10-Jul-07) ▽
REVIEWED BY	T. Crotwell	DEPTH TO WATER (Static)	NA ▾

REMARKS

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
900	25 5 5	MW10@ 5'	0 - 5	SW		Asphalt Gravelly SAND with trace cobbles (FILL): Dark Brown; moist, non plastic, high permeability.	0.5	<p>Portland Type I/II Bentonite Seal 10/20 Filter Sand 2" diameter schedule 40 PVC .010 slot size Bottom of Boring @ 20 fbg</p>
63	39 50		5 - 10	CL		Gravelly SAND with trace cobbles: Gray with Dark Brown streaks; wet, non plastic, high to medium permeability.	5.0	
480	27 50		10 - 15	CL		Sandy CLAY with trace gravel: Gray, wet, low plasticity, low permeability.	10.0	
360	37 50	MW10@ 20'	15 - 20	CL		Clayey SAND with trace gravel: Gray, wet, non plastic, medium permeability.	15.0	
			20 - 20				20.0	

WELL LOG (PID) EVERETT I:\ROCKLIN\APPS\GINT\PROJECTS\PALMER.GPJ DEFAULT.GDT 8/28/07

Attachment B
Waste Disposal Manifest



***24 HOUR EMERGENCY RESPONSE, CALL (800) 567-7455 ***

SHIPPING PAPER

Lading Manifest: 64582-07

SHIPPER / CUSTOMER JIFFY LUBE CC# 171152 ALOHA CAVE; C/O SOPUS CC# 2068		DELIVERY DATE	JOB #97386
ADDRESS 6808 196TH ST SW		POINT OF CONTACT RAY WALDING	
CITY, STATE, ZIP LYNNWOOD WA 98036		PHONE # (281)874-2247	
CARRIER / TRANSPORTER BURLINGTON ENVIRONMENTAL, INC.		PHONE # (253)383-3044	
CONSIGNEE / FACILITY BURLINGTON ENVIRONMENTAL, INC.		POINT OF CONTACT	
ADDRESS 20245 77TH AVENUE SOUTH		PHONE # (253)872-8030	
CITY, STATE, ZIP KENT , WA 98032			

HM	US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	UOM
		No.	Type		
A	NON-HAZARDOUS WASTE LIQUID (DECON WATER)	1	DM	55	G
B					
C					
D					

Special Handling Instruction and Additional Information:

a) 355672-01 - NON HAZ DECON WATER - STAB01 WAT05 WAT005 (4) Shell Engineer: Carol Campagna, CC# 171152, Site address: (6808 196th Street, Lynnwood, WA. 98036), RIPE# 62322, Kent: Mail BOLs to Tobias Q. Schroeder (CRA, 6520 Corporate Drive, Indianapolis, Indiana 46278)

Labels Provided YES _____ NO _____

SHIPPER'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway, vessel, and rail according to applicable international and national government regulations.

SHIPPER) PRINT OR TYPE NAME	SIGNATURE	MONTH	DAY	YEAR
(Eric King on behalf of Shell Oil Products	X <i>Eric King</i>	07	30	07
CARRIER/TRANSPORTER) PRINT OR TYPE NAME	SIGNATURE	MONTH	DAY	YEAR
(Derek Cladek	X <i>Derek Cladek</i>	8	2	07
CONSIGNEE/FACILITY) PRINT OR TYPE NAME	SIGNATURE	MONTH	DAY	YEAR
(Canyon Truck	X <i>Canyon Truck</i>	8	2	07

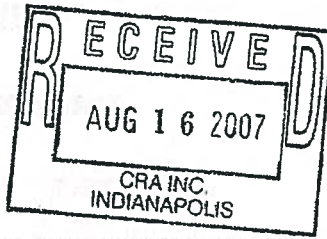
CONSIGNEE



***24 HOUR EMERGENCY RESPONSE, CALL (800) 567-7455 ***

SHIPPING PAPER

Lading Manifest: 64577-07



SHIPPER / CUSTOMER JEFFY LUBE CC# 171152 ALOHA CAFE; C/O SOPUS CC# 2068	DELIVERY DATE	JOB # 797386
ADDRESS 6808 196TH ST SW	POINT OF CONTACT RAY WALDING	PHONE # (281)874-2247
CITY, STATE, ZIP LYNNWOOD WA 98036	PHONE # (253)383-3044	
CARRIER / TRANSPORTER BURLINGTON ENVIRONMENTAL, INC.	POINT OF CONTACT	
CONSIGNEE / FACILITY BURLINGTON ENVIRONMENTAL, INC.	PHONE # (253)872-8030	
ADDRESS 20245 77TH AVENUE SOUTH		
CITY, STATE, ZIP KENT , WA 98032		

HM	US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	UOM
		No.	Type		
A	SOIL WITH GASOLINE AND DIESEL, NON HAZARDOUS, NON-DOT REGULATED	8	DM	6,000	P
B					
C					
D					

Special Handling Instruction and Additional Information:

a) 350039-01 - NON HAZ SOIL - LP01 LPB01 STAB01 (1) Shell Engineer: Carol Campagna, CC# 171152, Site address: (6808 196th Street Lynnwood, WA. 98036), R1PR# 62319, Kent: Mail BOLs to Tobias Q. Schroeder (CRA, 6520 Corporate Drive, Indianapolis, Indiana 46278)

Labels Provided YES _____ NO _____

SHIPPER'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway, vessel, and rail according to applicable international and national government regulations.

SHIPPER) PRINT OR TYPE NAME	SIGNATURE	MONTH	DAY	YEAR
(Eric Ming on behalf of Shell Oil products	X <i>Eric Ming</i>	07	30	07
CARRIER/TRANSPORTER) PRINT OR TYPE NAME	SIGNATURE	MONTH	DAY	YEAR
(Derek Cladek	X <i>Derek Cladek</i>	8	2	07
CONSIGNEE/FACILITY) PRINT OR TYPE NAME	SIGNATURE	MONTH	DAY	YEAR
(Casey Smith	X <i>Casey Smith</i>	8	2	07

Attachment C
Certified Analytical Reports

July 20, 2007

Justin Foslien
Conestoga-Rovers & Associates - Everett
8620 Holly Drive, Suite 210
Everett, WA 98208

RE: Shell - 6808 196th Street SW, Lynnwood

Enclosed are the results of analyses for samples received by the laboratory on 07/06/07 13:55.
The following list is a summary of the Work Orders contained in this report, generated on 07/20/07
17:48.

If you have any questions concerning this report, please feel free to contact me.

<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
BQG0147	Shell - 6808 196th Street SW,	248-1627-02

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Conestoga-Rovers & Associates - Everett 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name:	Shell - 6808 196th Street SW, Lynnwood	Report Created:
	Project Number:	248-1627-02	07/20/07 17:48
	Project Manager:	Justin Foslien	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW6@15'	BQG0147-01	Soil	07/05/07 13:10	07/06/07 13:55
MW7@5'	BQG0147-02	Soil	07/05/07 14:30	07/06/07 13:55
MW8@15'	BQG0147-03	Soil	07/05/07 15:50	07/06/07 13:55
MW9@10'	BQG0147-04	Soil	07/06/07 10:10	07/06/07 13:55
MW10@5'	BQG0147-05	Soil	07/06/07 11:30	07/06/07 13:55
MW6@20'	BQG0147-06	Soil	07/05/07 13:00	07/06/07 13:55
MW7@20'	BQG0147-07	Soil	07/05/07 14:40	07/06/07 13:55
MW8@20'	BQG0147-08	Soil	07/05/07 16:00	07/06/07 13:55
MW9@20'	BQG0147-09	Soil	07/06/07 10:00	07/06/07 13:55
MW10@20'	BQG0147-10	Soil	07/06/07 11:20	07/06/07 13:55

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Conestoga-Rovers & Associates - Everett 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name:	Shell - 6808 196th Street SW, Lynnwood	Report Created:
	Project Number:	248-1627-02	07/20/07 17:48
	Project Manager:	Justin Foslien	

Volatile Petroleum Products by NWTPH-Gx
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQG0147-01 (MW6@15')		Soil			Sampled: 07/05/07 13:10					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	----	3.95	mg/kg dry	1x	7G11019	07/11/07 09:36	07/11/07 12:09	
Surrogate(s): 4-BFB (FID)			90.5%		50 - 150 %	"				"
BQG0147-02 (MW7@5')		Soil			Sampled: 07/05/07 14:30					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	----	4.11	mg/kg dry	1x	7G11019	07/11/07 09:36	07/11/07 13:15	
Surrogate(s): 4-BFB (FID)			93.0%		50 - 150 %	"				"
BQG0147-03 (MW8@15')		Soil			Sampled: 07/05/07 15:50					
Gasoline Range Hydrocarbons	NWTPH-Gx	834	----	39.4	mg/kg dry	10x	7G11019	07/11/07 09:36	07/11/07 15:28	
Surrogate(s): 4-BFB (FID)			122%		50 - 150 %	1x				"
BQG0147-04 (MW9@10')		Soil			Sampled: 07/06/07 10:10					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	----	0.0364	mg/kg dry	1x	7G11019	07/11/07 09:36	07/11/07 17:49	
Surrogate(s): 4-BFB (FID)			89.6%		50 - 150 %	"				"
BQG0147-05 (MW10@5')		Soil			Sampled: 07/06/07 11:30					
Gasoline Range Hydrocarbons	NWTPH-Gx	8.16	----	4.43	mg/kg dry	1x	7G11019	07/11/07 09:36	07/11/07 18:31	
Surrogate(s): 4-BFB (FID)			91.7%		50 - 150 %	"				"
BQG0147-06 (MW6@20')		Soil			Sampled: 07/05/07 13:00					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	----	3.54	mg/kg dry	1x	7G11019	07/11/07 09:36	07/11/07 19:09	
Surrogate(s): 4-BFB (FID)			88.8%		50 - 150 %	"				"
BQG0147-07 (MW7@20')		Soil			Sampled: 07/05/07 14:40					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	----	4.36	mg/kg dry	1x	7G11019	07/11/07 09:36	07/11/07 19:45	
Surrogate(s): 4-BFB (FID)			90.5%		50 - 150 %	"				"
BQG0147-08 (MW8@20')		Soil			Sampled: 07/05/07 16:00					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	----	4.19	mg/kg dry	1x	7G11019	07/11/07 09:36	07/11/07 20:20	
Surrogate(s): 4-BFB (FID)			91.6%		50 - 150 %	"				"

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Kate Haney

Kate Haney, Project Manager

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Conestoga-Rovers & Associates - Everett 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name:	Shell - 6808 196th Street SW, Lynnwood	
	Project Number:	248-1627-02	Report Created:
	Project Manager:	Justin Foslien	07/20/07 17:48

Volatile Petroleum Products by NWTPH-Gx
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQG0147-09 (MW9@20')		Soil		Sampled: 07/06/07 10:00						
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	3.72	mg/kg dry	1x	7G11019	07/11/07 09:36	07/11/07 20:54	
Surrogate(s): 4-BFB (FID)		89.3%		50 - 150 %		"				"
BQG0147-10 (MW10@20')		Soil		Sampled: 07/06/07 11:20						
Gasoline Range Hydrocarbons	NWTPH-Gx	3.99	---	3.97	mg/kg dry	1x	7G11019	07/11/07 09:36	07/12/07 00:49	
Surrogate(s): 4-BFB (FID)		92.0%		50 - 150 %		"				"

Kate Haney



Conestoga-Rovers & Associates - Everett 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name: Shell - 6808 196th Street SW, Lynnwood Project Number: 248-1627-02 Project Manager: Justin Foslien	Report Created: 07/20/07 17:48
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Total Metals by EPA 6000/7000 Series Methods
TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQG0147-01 (MW6@15')		Soil			Sampled: 07/05/07 13:10					
Lead	EPA 6020	1.45	---	0.533	mg/kg dry	1x	7G11012	07/11/07 09:19	07/11/07 15:13	
BQG0147-02 (MW7@5')		Soil			Sampled: 07/05/07 14:30					
Lead	EPA 6020	2.34	---	0.520	mg/kg dry	1x	7G11012	07/11/07 09:19	07/11/07 15:19	
BQG0147-03 (MW8@15')		Soil			Sampled: 07/05/07 15:50					
Lead	EPA 6020	3.29	---	0.571	mg/kg dry	1x	7G11012	07/11/07 09:19	07/11/07 15:25	
BQG0147-04 (MW9@10')		Soil			Sampled: 07/06/07 10:10					
Lead	EPA 6020	1.96	---	0.522	mg/kg dry	1x	7G11012	07/11/07 09:19	07/11/07 15:31	
BQG0147-05 (MW10@5')		Soil			Sampled: 07/06/07 11:30					
Lead	EPA 6020	5.91	---	0.537	mg/kg dry	1x	7G11012	07/11/07 09:19	07/11/07 15:37	
BQG0147-06 (MW6@20')		Soil			Sampled: 07/05/07 13:00					
Lead	EPA 6020	1.93	---	0.593	mg/kg dry	1x	7G11012	07/11/07 09:19	07/11/07 15:43	
BQG0147-07 (MW7@20')		Soil			Sampled: 07/05/07 14:40					
Lead	EPA 6020	1.85	---	0.575	mg/kg dry	1x	7G11012	07/11/07 09:19	07/11/07 15:49	
BQG0147-08 (MW8@20')		Soil			Sampled: 07/05/07 16:00					
Lead	EPA 6020	1.46	---	0.590	mg/kg dry	1x	7G11012	07/11/07 09:19	07/11/07 15:55	
BQG0147-09 (MW9@20')		Soil			Sampled: 07/06/07 10:00					
Lead	EPA 6020	1.29	---	0.509	mg/kg dry	1x	7G11012	07/11/07 09:19	07/11/07 16:01	
BQG0147-10 (MW10@20')		Soil			Sampled: 07/06/07 11:20					
Lead	EPA 6020	1.54	---	0.588	mg/kg dry	1x	7G11012	07/11/07 09:19	07/11/07 16:07	

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Kate Haney

Kate Haney, Project Manager

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Conestoga-Rovers & Associates - Everett 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name: Shell - 6808 196th Street SW, Lynnwood Project Number: 248-1627-02 Project Manager: Justin Foslien	Report Created: 07/20/07 17:48
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Volatile Organic Compounds (Special List) by EPA Method 8260B
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQG0147-01 (MW6@15')	Soil		Sampled: 07/05/07 13:10							
Benzene	EPA 8260B	ND	----	0.0158	mg/kg dry	1x	7G12064	07/12/07 19:30	07/13/07 05:40	
1,2-Dibromoethane	"	ND	----	0.0790	"	"	"	"	"	
1,2-Dichloroethane	"	ND	----	0.0790	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.0790	"	"	"	"	"	
Toluene	"	ND	----	0.0790	"	"	"	"	"	
Total Xylenes	"	ND	----	0.237	"	"	"	"	"	
<i>Surrogate(s):</i>	<i>1,2-DCA-d4</i>			<i>102%</i>	<i>75 - 125 %</i>	<i>"</i>				<i>"</i>
	<i>Toluene-d8</i>			<i>98.0%</i>	<i>75 - 125 %</i>	<i>"</i>				<i>"</i>
	<i>4-BFB</i>			<i>97.7%</i>	<i>75 - 125 %</i>	<i>"</i>				<i>"</i>
BQG0147-02 (MW7@5')	Soil		Sampled: 07/05/07 14:30							
Benzene	EPA 8260B	ND	----	0.0164	mg/kg dry	1x	7G12064	07/12/07 19:30	07/13/07 06:09	
1,2-Dibromoethane	"	ND	----	0.0822	"	"	"	"	"	
1,2-Dichloroethane	"	ND	----	0.0822	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.0822	"	"	"	"	"	
Toluene	"	0.214	----	0.0822	"	"	"	"	"	
Total Xylenes	"	ND	----	0.247	"	"	"	"	"	
<i>Surrogate(s):</i>	<i>1,2-DCA-d4</i>			<i>101%</i>	<i>75 - 125 %</i>	<i>"</i>				<i>"</i>
	<i>Toluene-d8</i>			<i>99.6%</i>	<i>75 - 125 %</i>	<i>"</i>				<i>"</i>
	<i>4-BFB</i>			<i>96.8%</i>	<i>75 - 125 %</i>	<i>"</i>				<i>"</i>
BQG0147-03 (MW8@15')	Soil		Sampled: 07/05/07 15:50							
Benzene	EPA 8260B	2.91	----	0.0158	mg/kg dry	1x	7G12064	07/12/07 19:30	07/13/07 06:54	
1,2-Dibromoethane	"	ND	----	0.0789	"	"	"	"	"	
1,2-Dichloroethane	"	ND	----	0.0789	"	"	"	"	"	
Ethylbenzene	"	7.76	----	0.0789	"	"	"	"	"	
Toluene	"	29.8	----	0.0789	"	"	"	"	"	E
Total Xylenes	"	48.8	----	0.237	"	"	"	"	"	E
<i>Surrogate(s):</i>	<i>1,2-DCA-d4</i>			<i>119%</i>	<i>75 - 125 %</i>	<i>"</i>				<i>"</i>
	<i>Toluene-d8</i>			<i>95.9%</i>	<i>75 - 125 %</i>	<i>"</i>				<i>"</i>
	<i>4-BFB</i>			<i>89.6%</i>	<i>75 - 125 %</i>	<i>"</i>				<i>"</i>

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Kate Haney

Kate Haney, Project Manager

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Conestoga-Rovers & Associates - Everett 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name:	Shell - 6808 196th Street SW, Lynnwood	Report Created: 07/20/07 17:48
	Project Number:	248-1627-02	
	Project Manager:	Justin Foslien	

Volatile Organic Compounds (Special List) by EPA Method 8260B
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
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BQG0147-03RE1 (MW8@15')		Soil			Sampled: 07/05/07 15:50					
Toluene	EPA 8260B	30.9	---	0.789	mg/kg dry	10x	7G13043	07/12/07 19:30	07/13/07 19:34	
Total Xylenes	"	49.7	---	2.37	"	"	"	"	"	
Surrogate(s):		1,2-DCA-d4	100%		75 - 125 %	1x				"
		Toluene-d8	98.8%		75 - 125 %	"				"
		4-BFB	92.4%		75 - 125 %	"				"

BQG0147-04 (MW9@10')		Soil			Sampled: 07/06/07 10:10					
Benzene	EPA 8260B	0.248	---	0.0171	mg/kg dry	1x	7G13043	07/12/07 19:30	07/13/07 19:06	
1,2-Dibromoethane	"	ND	---	0.0854	"	"	"	"	"	
1,2-Dichloroethane	"	ND	---	0.0854	"	"	"	"	"	
Ethylbenzene	"	0.0854	---	0.0854	"	"	"	"	"	
Toluene	"	ND	---	0.0854	"	"	"	"	"	
Total Xylenes	"	ND	---	0.256	"	"	"	"	"	
Surrogate(s):		1,2-DCA-d4	93.5%		75 - 125 %	"				"
		Toluene-d8	101%		75 - 125 %	"				"
		4-BFB	98.0%		75 - 125 %	"				"

BQG0147-05 (MW10@5')		Soil			Sampled: 07/06/07 11:30					
Benzene	EPA 8260B	0.119	---	0.0151	mg/kg dry	1x	7G12064	07/12/07 19:30	07/13/07 07:54	
1,2-Dibromoethane	"	ND	---	0.0756	"	"	"	"	"	
1,2-Dichloroethane	"	ND	---	0.0756	"	"	"	"	"	
Ethylbenzene	"	ND	---	0.0756	"	"	"	"	"	
Toluene	"	0.359	---	0.0756	"	"	"	"	"	
Total Xylenes	"	ND	---	0.227	"	"	"	"	"	
Surrogate(s):		1,2-DCA-d4	99.7%		75 - 125 %	"				"
		Toluene-d8	102%		75 - 125 %	"				"
		4-BFB	97.8%		75 - 125 %	"				"

BQG0147-06 (MW6@20')		Soil			Sampled: 07/05/07 13:00					
Benzene	EPA 8260B	0.0921	---	0.0142	mg/kg dry	1x	7G13043	07/13/07 19:30	07/13/07 20:04	
1,2-Dibromoethane	"	ND	---	0.0708	"	"	"	"	"	
1,2-Dichloroethane	"	ND	---	0.0708	"	"	"	"	"	
Ethylbenzene	"	ND	---	0.0708	"	"	"	"	"	
Toluene	"	ND	---	0.0708	"	"	"	"	"	
Total Xylenes	"	ND	---	0.212	"	"	"	"	"	
Surrogate(s):		1,2-DCA-d4	92.1%		75 - 125 %	"				"
		Toluene-d8	102%		75 - 125 %	"				"
		4-BFB	94.9%		75 - 125 %	"				"

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Conestoga-Rovers & Associates - Everett 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name: Shell - 6808 196th Street SW, Lynnwood Project Number: 248-1627-02 Project Manager: Justin Foslien	Report Created: 07/20/07 17:48
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Volatile Organic Compounds (Special List) by EPA Method 8260B
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
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BQG0147-07 (MW7@20')		Soil		Sampled: 07/05/07 14:40						
Benzene	EPA 8260B	ND	----	0.0177	mg/kg dry	1x	7G13043	07/12/07 19:30	07/13/07 20:43	
1,2-Dibromoethane	"	ND	----	0.0886	"	"	"	"	"	
1,2-Dichloroethane	"	ND	----	0.0886	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.0886	"	"	"	"	"	
Toluene	"	ND	----	0.0886	"	"	"	"	"	
Total Xylenes	"	ND	----	0.266	"	"	"	"	"	
<i>Surrogate(s):</i> 1,2-DCA-d4				93.9%		75 - 125 %	"			"
Toluene-d8				101%		75 - 125 %	"			"
4-BFB				95.2%		75 - 125 %	"			"

BQG0147-08 (MW8@20')		Soil		Sampled: 07/05/07 16:00						
Benzene	EPA 8260B	0.0486	---	0.0168	mg/kg dry	1x	7G13043	07/12/07 19:30	07/13/07 21:13	
1,2-Dibromoethane	"	ND	----	0.0838	"	"	"	"	"	
1,2-Dichloroethane	"	ND	----	0.0838	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.0838	"	"	"	"	"	
Toluene	"	0.161	----	0.0838	"	"	"	"	"	
Total Xylenes	"	ND	----	0.252	"	"	"	"	"	
<i>Surrogate(s):</i> 1,2-DCA-d4				93.4%		75 - 125 %	"			"
Toluene-d8				100%		75 - 125 %	"			"
4-BFB				95.5%		75 - 125 %	"			"

BQG0147-09 (MW9@20')		Soil		Sampled: 07/06/07 10:00						
Benzene	EPA 8260B	0.104	----	0.0149	mg/kg dry	1x	7G13043	07/12/07 19:30	07/13/07 21:43	
1,2-Dibromoethane	"	ND	----	0.0744	"	"	"	"	"	
1,2-Dichloroethane	"	ND	----	0.0744	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.0744	"	"	"	"	"	
Toluene	"	ND	----	0.0744	"	"	"	"	"	
Total Xylenes	"	0.327	----	0.223	"	"	"	"	"	
<i>Surrogate(s):</i> 1,2-DCA-d4				96.2%		75 - 125 %	"			"
Toluene-d8				103%		75 - 125 %	"			"
4-BFB				96.8%		75 - 125 %	"			"

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Conestoga-Rovers & Associates - Everett 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name: Shell - 6808 196th Street SW, Lynnwood Project Number: 248-1627-02 Project Manager: Justin Foslien	Report Created: 07/20/07 17:48
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Volatile Organic Compounds (Special List) by EPA Method 8260B
TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQG0147-10 (MW10@20')		Soil			Sampled: 07/06/07 11:20					
Benzene	EPA 8260B	0.0532	----	0.0159	mg/kg dry	1x	7G13043	07/12/07 19:30	07/13/07 22:12	
1,2-Dibromoethane	"	ND	----	0.0794	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	----	0.0794	"	"	"	"	"	"
Ethylbenzene	"	0.131	----	0.0794	"	"	"	"	"	"
Toluene	"	0.102	----	0.0794	"	"	"	"	"	"
Total Xylenes	"	ND	----	0.238	"	"	"	"	"	"
<i>Surrogate(s):</i>	<i>1,2-DCA-d4</i>		<i>96.0%</i>		<i>75 - 125 %</i>	<i>"</i>				<i>"</i>
	<i>Toluene-d8</i>		<i>99.2%</i>		<i>75 - 125 %</i>	<i>"</i>				<i>"</i>
	<i>4-BFB</i>		<i>96.7%</i>		<i>75 - 125 %</i>	<i>"</i>				<i>"</i>

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Kate Haney

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Conestoga-Rovers & Associates - Everett 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name: Shell - 6808 196th Street SW, Lynnwood Project Number: 248-1627-02 Project Manager: Justin Foslien	Report Created: 07/20/07 17:48
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Physical Parameters by APHA/ASTM/EPA Methods
TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQG0147-01 (MW6@15')		Soil					Sampled: 07/05/07 13:10			
Dry Weight	BSOPSPLO03R0 8	91.9	---	1.00	%	1x	7G16067	07/16/07 17:56	07/17/07 00:00	
BQG0147-02 (MW7@5')		Soil					Sampled: 07/05/07 14:30			
Dry Weight	BSOPSPLO03R0 8	88.2	---	1.00	%	1x	7G16067	07/16/07 17:56	07/17/07 00:00	
BQG0147-03 (MW8@15')		Soil					Sampled: 07/05/07 15:50			
Dry Weight	BSOPSPLO03R0 8	88.4	---	1.00	%	1x	7G16067	07/16/07 17:56	07/17/07 00:00	
BQG0147-04 (MW9@10')		Soil					Sampled: 07/06/07 10:10			
Dry Weight	BSOPSPLO03R0 8	91.2	---	1.00	%	1x	7G16067	07/16/07 17:56	07/17/07 00:00	
BQG0147-05 (MW10@5')		Soil					Sampled: 07/06/07 11:30			
Dry Weight	BSOPSPLO03R0 8	87.8	---	1.00	%	1x	7G16067	07/16/07 17:56	07/17/07 00:00	
BQG0147-06 (MW6@20')		Soil					Sampled: 07/05/07 13:00			
Dry Weight	BSOPSPLO03R0 8	88.7	---	1.00	%	1x	7G16067	07/16/07 17:56	07/17/07 00:00	
BQG0147-07 (MW7@20')		Soil					Sampled: 07/05/07 14:40			
Dry Weight	BSOPSPLO03R0 8	88.7	---	1.00	%	1x	7G16067	07/16/07 17:56	07/17/07 00:00	
BQG0147-08 (MW8@20')		Soil					Sampled: 07/05/07 16:00			
Dry Weight	BSOPSPLO03R0 8	87.3	---	1.00	%	1x	7G16067	07/16/07 17:56	07/17/07 00:00	
BQG0147-09 (MW9@20')		Soil					Sampled: 07/06/07 10:00			
Dry Weight	BSOPSPLO03R0 8	93.5	---	1.00	%	1x	7G16067	07/16/07 17:56	07/17/07 00:00	
BQG0147-10 (MW10@20')		Soil					Sampled: 07/06/07 11:20			
Dry Weight	BSOPSPLO03R0 8	88.5	---	1.00	%	1x	7G16067	07/16/07 17:56	07/17/07 00:00	

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Kate Haney

Kate Haney, Project Manager

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Conestoga-Rovers & Associates - Everett 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name: Shell - 6808 196th Street SW, Lynnwood Project Number: 248-1627-02 Project Manager: Justin Foslien	Report Created: 07/20/07 17:48
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Oxygenates by EPA Method 8260B
TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
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BQG0147-01 (MW6@15')		Soil		Sampled: 07/05/07 13:10						
tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.39	mg/kg dry	1x	7G12064	07/12/07 19:30	07/13/07 05:40	
tert-Butyl Alcohol	"	ND	---	3.9	"	"	"	"	"	
Diisopropyl ether	"	ND	---	0.39	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	---	0.39	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	0.39	"	"	"	"	"	
<i>Surrogate(s): 1,2-DCA-d4</i>				102%		75 - 125 %	"			"
<i>Toluene-d8</i>				98.0%		75 - 125 %	"			"
<i>4-BFB</i>				97.7%		75 - 125 %	"			"

BQG0147-02 (MW7@5')		Soil		Sampled: 07/05/07 14:30						
tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.41	mg/kg dry	1x	7G12064	07/12/07 19:30	07/13/07 06:09	
tert-Butyl Alcohol	"	ND	---	4.1	"	"	"	"	"	
Diisopropyl ether	"	ND	---	0.41	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	---	0.41	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	0.41	"	"	"	"	"	
<i>Surrogate(s): 1,2-DCA-d4</i>				101%		75 - 125 %	"			"
<i>Toluene-d8</i>				99.6%		75 - 125 %	"			"
<i>4-BFB</i>				96.8%		75 - 125 %	"			"

BQG0147-03 (MW8@15')		Soil		Sampled: 07/05/07 15:50						
tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.39	mg/kg dry	1x	7G12064	07/12/07 19:30	07/13/07 06:54	
tert-Butyl Alcohol	"	ND	---	3.9	"	"	"	"	"	
Diisopropyl ether	"	ND	---	0.39	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	---	0.39	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	0.39	"	"	"	"	"	
<i>Surrogate(s): 1,2-DCA-d4</i>				119%		75 - 125 %	"			"
<i>Toluene-d8</i>				95.9%		75 - 125 %	"			"
<i>4-BFB</i>				89.6%		75 - 125 %	"			"

BQG0147-04 (MW9@10')		Soil		Sampled: 07/06/07 10:10						
tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.43	mg/kg dry	1x	7G13043	07/12/07 19:30	07/13/07 19:06	
tert-Butyl Alcohol	"	ND	---	4.3	"	"	"	"	"	
Diisopropyl ether	"	ND	---	0.43	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	---	0.43	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	0.43	"	"	"	"	"	
<i>Surrogate(s): 1,2-DCA-d4</i>				93.5%		75 - 125 %	"			"
<i>Toluene-d8</i>				101%		75 - 125 %	"			"
<i>4-BFB</i>				98.0%		75 - 125 %	"			"

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Kate Haney

Kate Haney, Project Manager

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	Project Number: 248-1627-02	
	Project Manager: Justin Foslien	

Oxygenates by EPA Method 8260B
TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQG0147-05 (MW10@5')		Soil		Sampled: 07/06/07 11:30						
tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.38	mg/kg dry	1x	7G12064	07/12/07 19:30	07/13/07 07:54	
tert-Butyl Alcohol	"	ND	---	3.8	"	"	"	"	"	
Diisopropyl ether	"	ND	---	0.38	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	---	0.38	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	0.38	"	"	"	"	"	

<i>Surrogate(s):</i>	<i>1,2-DCA-d4</i>	<i>99.7%</i>	<i>75 - 125 %</i>	<i>"</i>	<i>"</i>
	<i>Toluene-d8</i>	<i>102%</i>	<i>75 - 125 %</i>	<i>"</i>	<i>"</i>
	<i>4-BFB</i>	<i>97.8%</i>	<i>75 - 125 %</i>	<i>"</i>	<i>"</i>

BQG0147-06 (MW6@20')		Soil		Sampled: 07/05/07 13:00						
tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.35	mg/kg dry	1x	7G13043	07/12/07 19:30	07/13/07 20:04	
tert-Butyl Alcohol	"	ND	---	3.5	"	"	"	"	"	
Diisopropyl ether	"	ND	---	0.35	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	---	0.35	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	0.35	"	"	"	"	"	

<i>Surrogate(s):</i>	<i>1,2-DCA-d4</i>	<i>92.1%</i>	<i>75 - 125 %</i>	<i>"</i>	<i>"</i>
	<i>Toluene-d8</i>	<i>102%</i>	<i>75 - 125 %</i>	<i>"</i>	<i>"</i>
	<i>4-BFB</i>	<i>94.9%</i>	<i>75 - 125 %</i>	<i>"</i>	<i>"</i>

BQG0147-07 (MW7@20')		Soil		Sampled: 07/05/07 14:40						
tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.44	mg/kg dry	1x	7G13043	07/12/07 19:30	07/13/07 20:43	
tert-Butyl Alcohol	"	ND	---	4.4	"	"	"	"	"	
Diisopropyl ether	"	ND	---	0.44	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	---	0.44	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	0.44	"	"	"	"	"	

<i>Surrogate(s):</i>	<i>1,2-DCA-d4</i>	<i>93.9%</i>	<i>75 - 125 %</i>	<i>"</i>	<i>"</i>
	<i>Toluene-d8</i>	<i>101%</i>	<i>75 - 125 %</i>	<i>"</i>	<i>"</i>
	<i>4-BFB</i>	<i>95.2%</i>	<i>75 - 125 %</i>	<i>"</i>	<i>"</i>

BQG0147-08 (MW8@20')		Soil		Sampled: 07/05/07 16:00						
tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.42	mg/kg dry	1x	7G13043	07/12/07 19:30	07/13/07 21:13	
tert-Butyl Alcohol	"	ND	---	4.2	"	"	"	"	"	
Diisopropyl ether	"	ND	---	0.42	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	---	0.42	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	0.42	"	"	"	"	"	

<i>Surrogate(s):</i>	<i>1,2-DCA-d4</i>	<i>93.4%</i>	<i>75 - 125 %</i>	<i>"</i>	<i>"</i>
	<i>Toluene-d8</i>	<i>100%</i>	<i>75 - 125 %</i>	<i>"</i>	<i>"</i>
	<i>4-BFB</i>	<i>95.5%</i>	<i>75 - 125 %</i>	<i>"</i>	<i>"</i>

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Kate Haney

Kate Haney, Project Manager

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Oxygenates by EPA Method 8260B
TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQG0147-09 (MW9@20')		Soil			Sampled: 07/06/07 10:00					
tert-Amyl Methyl Ether	EPA 8260B	ND	----	0.37	mg/kg dry	1x	7G13043	07/12/07 19:30	07/13/07 21:43	
tert-Butyl Alcohol	"	ND	----	3.7	"	"	"	"	"	
Diisopropyl ether	"	ND	----	0.37	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	----	0.37	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	0.37	"	"	"	"	"	

<i>Surrogate(s):</i>	<i>1,2-DCA-d4</i>	<i>96.2%</i>		<i>75 - 125 %</i>						
	<i>Toluene-d8</i>	<i>103%</i>		<i>75 - 125 %</i>						
	<i>4-BFB</i>	<i>96.8%</i>		<i>75 - 125 %</i>						

BQG0147-10 (MW10@20')		Soil			Sampled: 07/06/07 11:20					
tert-Amyl Methyl Ether	EPA 8260B	ND	----	0.40	mg/kg dry	1x	7G13043	07/12/07 19:30	07/13/07 22:12	
tert-Butyl Alcohol	"	ND	----	4.0	"	"	"	"	"	
Diisopropyl ether	"	ND	----	0.40	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	----	0.40	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	0.40	"	"	"	"	"	

<i>Surrogate(s):</i>	<i>1,2-DCA-d4</i>	<i>96.0%</i>		<i>75 - 125 %</i>						
	<i>Toluene-d8</i>	<i>99.2%</i>		<i>75 - 125 %</i>						
	<i>4-BFB</i>	<i>96.7%</i>		<i>75 - 125 %</i>						

Kate Haney



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Volatile Petroleum Products by NWTPH-Gx - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7G11019 **Soil Preparation Method:** EPA 5030B (P/T)

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7G11019-BLK1)													Extracted: 07/11/07 09:36	
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	5.00	mg/kg wet	1x	--	--	--	--	--	--	07/11/07 11:00	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 89.0%</i>		<i>Limits: 50-150%</i>									07/11/07 11:00	
LCS (7G11019-BS1)													Extracted: 07/11/07 09:36	
Gasoline Range Hydrocarbons	NWTPH-Gx	51.2	---	5.00	mg/kg wet	1x	--	50.0	102%	(75-125)	--	--	07/11/07 11:34	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 99.9%</i>		<i>Limits: 50-150%</i>									07/11/07 11:34	
Duplicate (7G11019-DUP1)													QC Source: BQG0147-01 Extracted: 07/11/07 09:36	
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	3.95	mg/kg dry	1x	ND	--	--	--	32.5%	(40)	07/11/07 12:42	R4
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 91.2%</i>		<i>Limits: 50-150%</i>									07/11/07 12:42	
Duplicate (7G11019-DUP2)													QC Source: BQG0147-02 Extracted: 07/11/07 09:36	
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	4.11	mg/kg dry	1x	ND	--	--	--	0.589%	(40)	07/11/07 13:48	R4
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 95.9%</i>		<i>Limits: 50-150%</i>									07/11/07 13:48	
Matrix Spike (7G11019-MS1)													QC Source: BQG0147-01 Extracted: 07/11/07 09:36	
Gasoline Range Hydrocarbons	NWTPH-Gx	43.7	---	3.95	mg/kg dry	1x	0.773	39.5	109%	(42-125)	--	--	07/11/07 16:03	
<i>Surrogate(s): 4-BFB (FID)</i>		<i>Recovery: 98.8%</i>		<i>Limits: 50-150%</i>									07/11/07 16:03	

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Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7G11012 Soil Preparation Method: EPA 3050B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes		
Blank (7G11012-BLK1)													Extracted: 07/11/07 09:19			
Lead	EPA 6020	ND	---	0.500	mg/kg wet	1x	--	--	--	--	--	--	07/11/07 14:31			
LCS (7G11012-BS1)													Extracted: 07/11/07 09:19			
Lead	EPA 6020	40.9	---	0.500	mg/kg wet	1x	--	40.0	102%	(80-120)	--	--	07/11/07 14:25			
Duplicate (7G11012-DUP1)													QC Source: BQG0167-01		Extracted: 07/11/07 09:19	
Lead	EPA 6020	5.54	---	0.535	mg/kg dry	1x	5.36	--	--	--	3.34%	(30)	07/11/07 14:49			
Matrix Spike (7G11012-MS1)													QC Source: BQG0167-01		Extracted: 07/11/07 09:19	
Lead	EPA 6020	48.3	---	0.535	mg/kg dry	1x	5.36	42.8	100%	(29-166)	--	--	07/11/07 14:43			
Post Spike (7G11012-PS1)													QC Source: BQG0167-01		Extracted: 07/11/07 09:19	
Lead	EPA 6020	0.105	---		ug/ml	1x	0.0100	0.0800	119%	(75-125)	--	--	07/11/07 14:37			

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Volatile Organic Compounds (Special List) by EPA Method 8260B - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7G12064 Soil Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7G12064-BLK1)													Extracted: 07/12/07 19:30	
Benzene	EPA 8260B	ND	---	0.0200	mg/kg wet	1x	--	--	--	--	--	--	07/13/07 02:56	
1,2-Dibromoethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Total Xylenes	"	ND	---	0.300	"	"	--	--	--	--	--	--	"	
<i>Surrogate(s): 1,2-DCA-d4</i>		<i>Recovery: 99.9%</i>		<i>Limits: 75-125%</i>	"								07/13/07 02:56	
<i>Toluene-d8</i>		<i>98.4%</i>		<i>75-125%</i>	"								"	
<i>4-BFB</i>		<i>97.4%</i>		<i>75-125%</i>	"								"	

LCS (7G12064-BS1)													Extracted: 07/12/07 19:30	
1,2-Dibromoethane (EDB)	EPA 8260B	1.97	---	0.100	mg/kg wet	1x	--	2.00	98.5%	(80-120)	--	--	07/13/07 01:42	
1,2-Dichloroethane (EDC)	"	2.01	---	0.100	"	"	--	"	101%	"	--	--	"	
Benzene	"	1.94	---	0.0200	"	"	--	"	97.0%	(75-125)	--	--	"	
Ethylbenzene	"	1.93	---	0.100	"	"	--	"	96.3%	(80-120)	--	--	"	
Toluene	"	1.93	---	0.100	"	"	--	"	96.6%	"	--	--	"	
Total Xylenes	"	5.89	---	0.300	"	"	--	6.00	98.1%	"	--	--	"	
<i>Surrogate(s): 1,2-DCA-d4</i>		<i>Recovery: 101%</i>		<i>Limits: 75-125%</i>	"								07/13/07 01:42	
<i>Toluene-d8</i>		<i>99.0%</i>		<i>75-125%</i>	"								"	
<i>4-BFB</i>		<i>100%</i>		<i>75-125%</i>	"								"	

LCS Dup (7G12064-BSD1)													Extracted: 07/12/07 19:30	
1,2-Dichloroethane (EDC)	EPA 8260B	1.96	---	0.100	mg/kg wet	1x	--	2.00	98.0%	(80-120)	2.67% (20)		07/13/07 02:26	
1,2-Dibromoethane (EDB)	"	1.96	---	0.100	"	"	--	"	98.1%	"	0.407%	"	"	
Benzene	"	1.85	---	0.0200	"	"	--	"	92.4%	(75-125)	4.86%	"	"	
Ethylbenzene	"	1.84	---	0.100	"	"	--	"	92.0%	(80-120)	4.51%	"	"	
Toluene	"	1.87	---	0.100	"	"	--	"	93.6%	"	3.05%	"	"	
Total Xylenes	"	5.71	---	0.300	"	"	--	6.00	95.1%	"	3.07%	"	"	
<i>Surrogate(s): 1,2-DCA-d4</i>		<i>Recovery: 100%</i>		<i>Limits: 75-125%</i>	"								07/13/07 02:26	
<i>Toluene-d8</i>		<i>100%</i>		<i>75-125%</i>	"								"	
<i>4-BFB</i>		<i>100%</i>		<i>75-125%</i>	"								"	

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Kate Haney, Project Manager

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Volatile Organic Compounds (Special List) by EPA Method 8260B - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7G13043 Soil Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7G13043-BLK1)													Extracted: 07/13/07 13:03	
Benzene	EPA 8260B	ND	---	0.0200	mg/kg wet	1x	--	--	--	--	--	--	07/13/07 18:40	
1,2-Dibromoethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Total Xylenes	"	ND	---	0.300	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		Recovery:	106%	Limits: 75-125%		"							07/13/07 18:40	
Toluene-d8			101%	75-125%		"							"	
4-BFB			95.8%	75-125%		"							"	

LCS (7G13043-BS1)													Extracted: 07/13/07 13:03	
Benzene	EPA 8260B	1.81	---	0.0200	mg/kg wet	1x	--	2.00	90.4%	(75-125)	--	--	07/13/07 17:31	
1,2-Dibromoethane	"	1.90	---	0.100	"	"	--	"	95.2%	"	--	--	"	
1,2-Dichloroethane	"	1.98	---	0.100	"	"	--	"	99.0%	"	--	--	"	
Ethylbenzene	"	1.86	---	0.100	"	"	--	"	93.0%	"	--	--	"	
Toluene	"	1.86	---	0.100	"	"	--	"	92.8%	"	--	--	"	
Total Xylenes	"	5.68	---	0.300	"	"	--	6.00	94.7%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4		Recovery:	105%	Limits: 75-125%		"							07/13/07 17:31	
Toluene-d8			101%	75-125%		"							"	
4-BFB			99.0%	75-125%		"							"	

LCS Dup (7G13043-BSD1)													Extracted: 07/13/07 13:03	
Benzene	EPA 8260B	1.92	---	0.0200	mg/kg wet	1x	--	2.00	96.0%	(75-125)	6.06%	(20)	07/13/07 17:54	
1,2-Dibromoethane	"	1.93	---	0.100	"	"	--	"	96.6%	"	1.41%	"	"	
1,2-Dichloroethane	"	2.03	---	0.100	"	"	--	"	101%	"	2.30%	"	"	
Ethylbenzene	"	1.96	---	0.100	"	"	--	"	98.0%	"	5.29%	"	"	
Toluene	"	1.97	---	0.100	"	"	--	"	98.6%	"	6.11%	"	"	
Total Xylenes	"	6.00	---	0.300	"	"	--	6.00	100%	"	5.55%	"	"	
Surrogate(s): 1,2-DCA-d4		Recovery:	106%	Limits: 75-125%		"							07/13/07 17:54	
Toluene-d8			100%	75-125%		"							"	
4-BFB			98.1%	75-125%		"							"	

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Conestoga-Rovers & Associates - Everett 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name:	Shell - 6808 196th Street SW, Lynnwood	Report Created:
	Project Number:	248-1627-02	07/20/07 17:48
	Project Manager:	Justin Foslien	

Physical Parameters by APHA/ASTM/EPA Methods - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7G16067 Soil Preparation Method: Dry Weight

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7G16067-BLK1)										Extracted: 07/16/07 17:56				
Dry Weight	BSOPSP00 3R08	100	---	1.00	%	1x	--	--	--	--	--	--	07/17/07 00:00	

TestAmerica - Seattle, WA



Kate Haney, Project Manager

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Conestoga-Rovers & Associates - Everett 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name: Shell - 6808 196th Street SW, Lynnwood Project Number: 248-1627-02 Project Manager: Justin Foslien	Report Created: 07/20/07 17:48
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Oxygenates by EPA Method 8260B - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7G12064 Soil Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
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Blank (7G12064-BLK1) Extracted: 07/12/07 19:30

tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.50	mg/kg wet	1x	--	--	--	--	--	--	07/13/07 02:56	
tert-Butyl Alcohol	"	ND	---	5.0	"	"	--	--	--	--	--	--	"	
Diisopropyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Ethyl tert-butyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
<i>Surrogate(s): 1,2-DCA-d4</i>		<i>Recovery: 99.9%</i>		<i>Limits: 75-125%</i>		"						07/13/07 02:56		
<i>Toluene-d8</i>		<i>98.4%</i>		<i>75-125%</i>		"						"		
<i>4-BFB</i>		<i>97.4%</i>		<i>75-125%</i>		"						"		

LCS (7G12064-BS1) Extracted: 07/12/07 19:30

tert-Butyl Alcohol	EPA 8260B	8.7	---	5.0	mg/kg wet	1x	--	10.0	87.4%	(70-130)	--	--	07/13/07 01:42	
Diisopropyl ether	"	2.0	---	0.50	"	"	--	2.00	98.7%	"	--	--	"	
Methyl tert-butyl ether	"	1.9	---	0.50	"	"	--	"	95.8%	"	--	--	"	
<i>Surrogate(s): 1,2-DCA-d4</i>		<i>Recovery: 101%</i>		<i>Limits: 75-125%</i>		"						07/13/07 01:42		
<i>Toluene-d8</i>		<i>99.0%</i>		<i>75-125%</i>		"						"		
<i>4-BFB</i>		<i>100%</i>		<i>75-125%</i>		"						"		

LCS Dup (7G12064-BSD1) Extracted: 07/12/07 19:30

tert-Butyl Alcohol	EPA 8260B	8.6	---	5.0	mg/kg wet	1x	--	10.0	85.6%	(70-130)	2.01%	(40)	07/13/07 02:26	
Diisopropyl ether	"	2.0	---	0.50	"	"	--	2.00	98.2%	"	0.457%	"	"	
Methyl tert-butyl ether	"	2.0	---	0.50	"	"	--	"	98.2%	"	2.53%	"	"	
<i>Surrogate(s): 1,2-DCA-d4</i>		<i>Recovery: 100%</i>		<i>Limits: 75-125%</i>		"						07/13/07 02:26		
<i>Toluene-d8</i>		<i>100%</i>		<i>75-125%</i>		"						"		
<i>4-BFB</i>		<i>100%</i>		<i>75-125%</i>		"						"		

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Kate Haney

Kate Haney, Project Manager

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Conestoga-Rovers & Associates - Everett 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name: Shell - 6808 196th Street SW, Lynnwood Project Number: 248-1627-02 Project Manager: Justin Foslien	Report Created: 07/20/07 17:48
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Oxygenates by EPA Method 8260B - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7G13043 Soil Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7G13043-BLK1)													Extracted: 07/13/07 13:03	
tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.50	mg/kg wet	1x	--	--	--	--	--	--	07/13/07 18:40	
tert-Butyl Alcohol	"	ND	---	5.0	"	"	--	--	--	--	--	--	"	
Diisopropyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Ethyl tert-butyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
<i>Surrogate(s): 1,2-DCA-d4</i>		<i>Recovery: 106%</i>		<i>Limits: 75-125%</i>								07/13/07 18:40		
<i>Toluene-d8</i>		<i>101%</i>		<i>75-125%</i>								"		
<i>4-BFB</i>		<i>95.8%</i>		<i>75-125%</i>								"		
LCS (7G13043-BS1)													Extracted: 07/13/07 13:03	
tert-Butyl Alcohol	EPA 8260B	8.7	---	5.0	mg/kg wet	1x	--	10.0	87.5%	(70-130)	--	--	07/13/07 17:31	
Diisopropyl ether	"	2.0	---	0.50	"	"	--	2.00	100%	"	--	--	"	
Methyl tert-butyl ether	"	2.0	---	0.50	"	"	--	"	98.9%	"	--	--	"	
<i>Surrogate(s): 1,2-DCA-d4</i>		<i>Recovery: 105%</i>		<i>Limits: 75-125%</i>								07/13/07 17:31		
<i>Toluene-d8</i>		<i>101%</i>		<i>75-125%</i>								"		
<i>4-BFB</i>		<i>99.0%</i>		<i>75-125%</i>								"		
LCS Dup (7G13043-BSD1)													Extracted: 07/13/07 13:03	
tert-Butyl Alcohol	EPA 8260B	10	---	5.0	mg/kg wet	1x	--	10.0	102%	(70-130)	15.4%	(40)	07/13/07 17:54	
Diisopropyl ether	"	2.2	---	0.50	"	"	--	2.00	112%	"	11.5%	"	"	
Methyl tert-butyl ether	"	2.2	---	0.50	"	"	--	"	112%	"	12.9%	"	"	
<i>Surrogate(s): 1,2-DCA-d4</i>		<i>Recovery: 106%</i>		<i>Limits: 75-125%</i>								07/13/07 17:54		
<i>Toluene-d8</i>		<i>100%</i>		<i>75-125%</i>								"		
<i>4-BFB</i>		<i>98.1%</i>		<i>75-125%</i>								"		

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Kate Haney

Kate Haney, Project Manager

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Conestoga-Rovers & Associates - Everett

8620 Holly Drive, Suite 210
Everett, WA 98208

Project Name: **Shell - 6808 196th Street SW, Lynnwood**

Project Number: 248-1627-02

Project Manager: Justin Foslien

Report Created:

07/20/07 17:48

Notes and Definitions

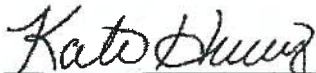
Report Specific Notes:

- E - Concentration exceeds the calibration range and therefore result is semi-quantitative.
- R4 - Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR/NA - Not Reported / Not Available
- dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
- wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
- RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
- Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
- Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
- Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*. Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Kate Haney, Project Manager

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