

September 4, 2007

Mr. Jeff Goold
Shell Oil Products US
20945 S. Wilmington Avenue
Carson, California 90810-1039

Sent via FedEx Saver

SUBJ: Station Upgrade-Soil Sampling Report
Shell Service Station
3670 150th Avenue SE
Bellevue, Washington
Delta Project No. ST367-0SG-T
Shell SAP No. 121172

RECEIVED
SEP 06 2007
DEPT. OF ECOLOGY
TCP-NWRO



Dear Jeff Goold:

Delta Consultants (Delta) has prepared this report to summarize soil sampling activities performed at 3670 150th Avenue SE in Bellevue, Washington (Figure 1). The work summarized in this report was performed to supplement existing soil quality results and was directed at the characterization of subsurface soils excavated during the recent station upgrade.

EXECUTIVE SUMMARY

Delta has prepared this summary report to present the findings of the soil sampling event which was performed at the Shell Service station at 3670 150th Avenue SE in Bellevue, Washington on April 10 and 11, 2007. The work was performed at the request of Shell Oil Products US (Shell).

Delta personnel collected soil samples at the dispenser islands, product line trenches, and from the stockpiles generated during station upgrades at the site. TCM Northwest, Inc. of Hillsboro, Oregon was contracted directly by Shell to perform upgrades to the product lines and fueling dispensers at the facility. Soils were removed from under the four dispenser islands and the product line trenches in order to replace equipment and piping associated with the fueling distribution system. Excavated soils were stockpiled for analytical testing. On April 10 and 11, 2007 Delta personnel collected samples from the excavated areas and stockpiles. The samples were collected approximately six inches below the surface of the respective areas. Each sample was individually labeled, registered on a Chain-of-Custody form, and placed in a chilled cooler pending delivery to a certified analytical laboratory. A summary of soil analytical results is presented in Table 1.

Laboratory analysis of soil samples collected from the stockpile indicate that petroleum hydrocarbons were/not/detected above Washington State Model Toxic Control Act (MTCA) Method A cleanup levels in all soil samples submitted for analysis. The findings are consistent with and expand upon data collected during previous soil sampling conducted at the site.

a member of:



BACKGROUND

Currently, the site is occupied by a convenience grocery store with a fueling facility. The gasoline distribution system consists of four fueling dispensers, product piping, vent lines, and underground storage tanks (USTs). Delta was directed to the site by Shell to perform compliance soil sampling of excavated areas and stockpiled soils during upgrades to the station's dispenser islands and product lines.

SAMPLE COLLECTION AND ANALYSIS

SOIL SAMPLING

Soil samples collected from the excavated areas and stockpiles were selected from representative locations at approximately six inches below the exposed surfaces. Soil samples were obtained with a stainless steel hand auger. Sampling equipment was decontaminated with a phosphate-free cleaning detergent prior to and between each boring to prevent cross-contamination.

A total of 13 soil samples were collected and submitted for analysis. Each sample was individually labeled, registered on a Chain-of-Custody form, and placed in a chilled cooler pending delivery to a certified analytical laboratory.

LABORATORY ANALYSIS

Soil and groundwater samples were submitted to Test America Analytical Laboratories of Bothell, Washington for quantitative chemical analysis. The soil samples were analyzed for the following parameters:

- Total petroleum hydrocarbons in the gasoline range (TPH-G) using Washington Method NWTPH-Gx; and
- Benzene, toluene, ethylbenzene, and xylene (BTEX), and Methyl Tertiary Butyl Ether (MTBE), using USEPA Method 8260B;

ANALYTICAL RESULTS

SOIL

The analytical results for soil samples collected from the borings during the April 2007 sampling event indicate that concentrations of TPH-G, BTEX, and MTBE were not detected above MTCA Method A cleanup levels in all soil samples submitted for analysis. Soil analytical results are presented in Table 1 and on Figure 2. Soil analytical reports are included in Attachment A.

WASTE MANAGEMENT

Excavated soils generated during work activities were temporarily stockpiled on-site during station upgrade activities. Excavated areas were backfilled and compacted with the stockpiled soils upon receipt of soil analytical results.

CONCLUSIONS

Delta collected 13 soil samples from the dispenser islands, product line trenches and stockpiles during the product line/dispenser upgrades at the subject site in April 2007. Laboratory analysis of soil

samples collected indicate that petroleum hydrocarbons were not detected above MTCA Method A cleanup levels in all soil samples submitted for analysis.

The findings are consistent with and expand upon data collected during previous soil sampling conducted at the site. Please call Matthew Miller at (425) 498-7722 if you have any questions regarding the contents of this report.


REMARKS

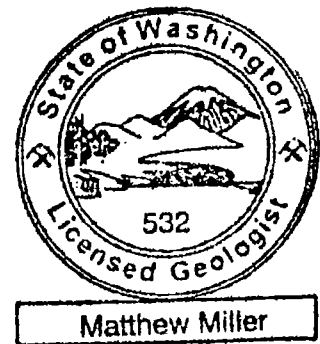
The recommendations contained in this report represent Delta's professional opinions based upon the currently available information and are arrived at in accordance with currently acceptable professional standards. This report is based upon a specific scope of work requested by the client. The contract between Delta and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were performed. This report is intended only for the use of Delta's client and anyone else specifically listed on this report. Delta will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Delta makes no express or implied warranty as to the contents of this report.

Sincerely,

DELTA CONSULTANTS


for Jamey Peterson
Staff Scientist


Matthew Miller, L.G.
Project Specialist

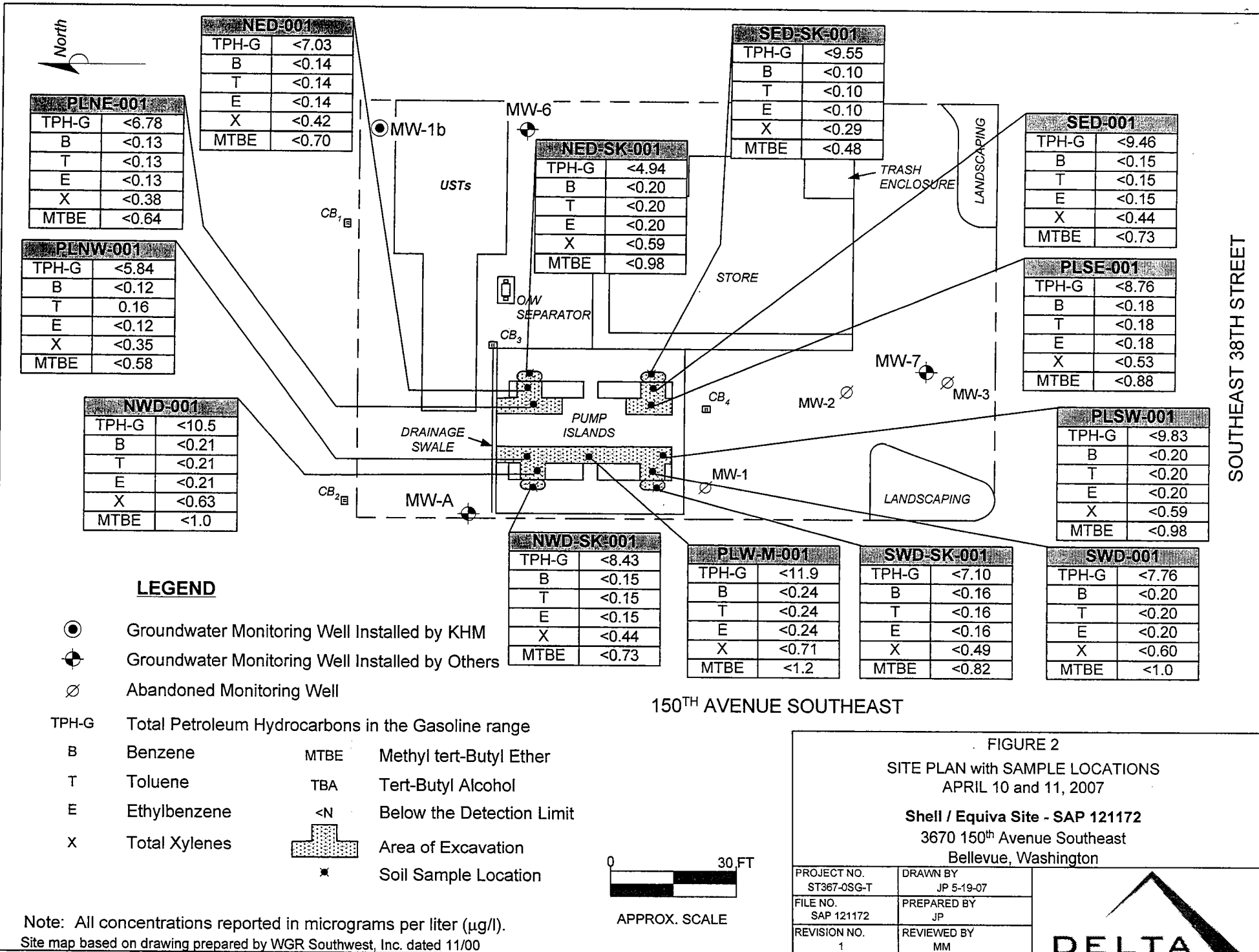


Attachments: Table 1 – Summary of Analytical Results – Soil
Figure 1 – Vicinity Map
Figure 2 – Site Plan with Sample Locations
Attachment A – Analytical Laboratory Reports and Chain-of-Custody Documentation

cc: John Wietfield, WA State Department of Ecology, 3190 160th Avenue SE Bellevue, Washington 98008-5452

TABLE 1
SUMMARY OF ANALYTICAL RESULTS-SOIL
SAP No.: 121172
3670 150th Avenue SE
Bellevue, Washington

Sample I.D.	Sample Date	Sample Location	TPH-G (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Xylenes (mg/kg)	MTBE (mg/kg)
NWD-001	04/10/07	NW Dispenser	<10.5	<0.21	<0.21	<0.21	<0.63	<1.0
NWD-SK-001	04/10/07	stockpile	<8.43	<0.15	<0.15	<0.15	<0.44	<0.73
SWD-001	04/10/07	SW Dispenser	<7.76	<0.20	<0.20	<0.20	<0.60	<1.0
SWD-SK-001	04/10/07	stockpile	<7.10	<0.16	<0.16	<0.16	<0.49	<0.82
NED-001	04/10/07	NE Dispenser	<7.03	<0.14	<0.14	<0.14	<0.42	<0.70
NED-SK-001	04/10/07	stockpile	<4.94	<0.20	<0.20	<0.20	<0.59	<0.98
SED-001	04/10/07	SE Dispenser	<9.46	<0.15	<0.15	<0.15	<0.44	<0.73
SED-SK-001	04/10/07	stockpile	<9.55	<0.10	<0.10	<0.10	<0.29	<0.48
PLNW-001	04/11/07	NW Product line	<5.84	<0.12	0.16	<0.12	<0.35	<0.58
PLNE-001	04/11/07	NE Product line	<6.78	<0.13	<0.13	<0.13	<0.38	<0.64
PLSE-001	04/11/07	SE Product line	<8.76	<0.18	<0.18	<0.18	<0.53	<0.88
PLSW-001	04/11/07	SW Product line	<9.83	<0.20	<0.20	<0.20	<0.59	<0.98
PLW-M-001	04/11/07	Mid. W Product line	<11.9	<0.24	<0.24	<0.24	<0.71	<1.2
MTCA Method A Soil Cleanup Level for Unrestricted Land Use			30*	0.03	7	6	9	0.1
NOTES: mg/kg = milligrams per kilogram ND = Below the laboratory reporting limit or the method detection limit TPH-G = Total Petroleum Hydrocarbons in the Gasoline range MTBE = Methyl tert-butyl ether TPH-D and TPH-O quantified using Northwest Method NWTPH-Dx TPH-G quantified using Northwest Method NWTPH-Gx BTEX Compounds and MTBE analyzed using EPA Method 8260B < = Not detected at concentration greater than the laboratory method reporting limit * MTCA Method A Cleanup Level for TPH-Gasoline is 100 mg/kg if benzene is not detected in soil.								



ATTACHMENT A

ANALYTICAL LABORATORY REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION

April 11, 2007

Matthew Miller
Delta Environmental
4006 148th Ave NE
Redmond, WA/USA 98052

RE: Shell-3670 150th Ave SE, Bellevue

Enclosed are the results of analyses for samples received by the laboratory on 04/10/07 17:00.
The following list is a summary of the Work Orders contained in this report, generated on 04/11/07
16:35.

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

<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
BQD0152	Shell-3670 150th Ave SE, Bell	97420019

TestAmerica - Seattle, WA

Sandra Yakamavich

Sandra Yakamavich, 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.*



Delta Environmental	Project Name:	Shell-3670 150th Ave SE, Bellevue	
4006 148th Ave NE	Project Number:	97420019	Report Created:
Redmond, WA/USA 98052	Project Manager:	Matthew Miller	04/11/07 16:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
NWD-001	BQD0152-01	Soil	04/10/07 14:30	04/10/07 17:00
NWD-SK-001	BQD0152-02	Soil	04/10/07 14:40	04/10/07 17:00
SWD-001	BQD0152-03	Soil	04/10/07 15:20	04/10/07 17:00
SWD-SK-001	BQD0152-04	Soil	04/10/07 14:50	04/10/07 17:00
NED-001	BQD0152-05	Soil	04/10/07 16:10	04/10/07 17:00
NED-SK-001	BQD0152-06	Soil	04/10/07 16:20	04/10/07 17:00
SED-001	BQD0152-07	Soil	04/10/07 15:50	04/10/07 17:00
SED-SK-001	BQD0152-08	Soil	04/10/07 16:00	04/10/07 17:00

TestAmerica - Seattle, WA

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Sandra Yakamovich

Sandra Yakamovich, Project Manager



Delta Environmental	Project Name: Shell-3670 150th Ave SE, Bellevue	
4006 148th Ave NE	Project Number: 97420019	Report Created:
Redmond, WA/USA 98052	Project Manager: Matthew Miller	04/11/07 16:35

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

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQD0152-01 (NWD-001)		Soil						Sampled: 04/10/07 14:30		
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	10.5	mg/kg dry	1x	7D10060	04/10/07 18:59	04/10/07 20:00	
Surrogate(s): 4-BFB (FID)		70.5%		50 - 150 %		"				"
BQD0152-02 (NWD-SK-001)		Soil						Sampled: 04/10/07 14:40		
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	8.43	mg/kg dry	1x	7D10060	04/10/07 18:59	04/10/07 21:30	
Surrogate(s): 4-BFB (FID)		86.6%		50 - 150 %		"				"
BQD0152-03 (SWD-001)		Soil						Sampled: 04/10/07 15:20		
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	7.76	mg/kg dry	1x	7D10060	04/10/07 18:59	04/10/07 22:00	
Surrogate(s): 4-BFB (FID)		89.5%		50 - 150 %		"				"
BQD0152-04 (SWD-SK-001)		Soil						Sampled: 04/10/07 14:50		
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	7.10	mg/kg dry	1x	7D10060	04/10/07 18:59	04/10/07 22:30	
Surrogate(s): 4-BFB (FID)		86.4%		50 - 150 %		"				"
BQD0152-05 (NED-001)		Soil						Sampled: 04/10/07 16:10		
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	7.03	mg/kg dry	1x	7D10060	04/10/07 18:59	04/10/07 23:00	
Surrogate(s): 4-BFB (FID)		86.3%		50 - 150 %		"				"
BQD0152-06 (NED-SK-001)		Soil						Sampled: 04/10/07 16:20		
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	4.94	mg/kg dry	1x	7D10060	04/10/07 18:59	04/10/07 23:29	
Surrogate(s): 4-BFB (FID)		88.9%		50 - 150 %		"				"
BQD0152-07 (SED-001)		Soil						Sampled: 04/10/07 15:50		
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	9.46	mg/kg dry	1x	7D10060	04/10/07 18:59	04/11/07 01:27	
Surrogate(s): 4-BFB (FID)		89.1%		50 - 150 %		"				"
BQD0152-08 (SED-SK-001)		Soil						Sampled: 04/10/07 16:00		
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	9.55	mg/kg dry	1x	7D10060	04/10/07 18:59	04/11/07 01:57	
Surrogate(s): 4-BFB (FID)		87.6%		50 - 150 %		"				"

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Sandra Yakamavich
 Sandra Yakamavich, Project Manager



Delta Environmental
 4006 148th Ave NE
 Redmond, WA/USA 98052

Project Name: **Shell-3670 150th Ave SE, Bellevue**
 Project Number: **97420019**
 Project Manager: **Matthew Miller**

Report Created:
 04/11/07 16:35

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQD0152-01 (NWD-001)		Soil							Sampled: 04/10/07 14:30	
Dry Weight	BSOPSPLO03R0 8	97.8	---	1.00	%	1x	7D10065	04/10/07 20:26	04/11/07 00:00	
BQD0152-02 (NWD-SK-001)		Soil							Sampled: 04/10/07 14:40	
Dry Weight	BSOPSPLO03R0 8	90.0	----	1.00	%	1x	7D10065	04/10/07 20:26	04/11/07 00:00	
BQD0152-03 (SWD-001)		Soil							Sampled: 04/10/07 15:20	
Dry Weight	BSOPSPLO03R0 8	90.0	----	1.00	%	1x	7D10065	04/10/07 20:26	04/11/07 00:00	
BQD0152-04 (SWD-SK-001)		Soil							Sampled: 04/10/07 14:50	
Dry Weight	BSOPSPLO03R0 8	92.8	----	1.00	%	1x	7D10065	04/10/07 20:26	04/11/07 00:00	
BQD0152-05 (NED-001)		Soil							Sampled: 04/10/07 16:10	
Dry Weight	BSOPSPLO03R0 8	80.5	----	1.00	%	1x	7D10065	04/10/07 20:26	04/11/07 00:00	
BQD0152-06 (NED-SK-001)		Soil							Sampled: 04/10/07 16:20	
Dry Weight	BSOPSPLO03R0 8	93.0	----	1.00	%	1x	7D10065	04/10/07 20:26	04/11/07 00:00	
BQD0152-07 (SED-001)		Soil							Sampled: 04/10/07 15:50	
Dry Weight	BSOPSPLO03R0 8	95.9	---	1.00	%	1x	7D10065	04/10/07 20:26	04/11/07 00:00	
BQD0152-08 (SED-SK-001)		Soil							Sampled: 04/10/07 16:00	
Dry Weight	BSOPSPLO03R0 8	95.9	---	1.00	%	1x	7D10065	04/10/07 20:26	04/11/07 00:00	

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Sandra Yakamovich

Sandra Yakamovich, Project Manager



Delta Environmental

4006 148th Ave NE
 Redmond, WA/USA 98052

Project Name: **Shell-3670 150th Ave SE, Bellevue**

Project Number: 97420019

Project Manager: Matthew Miller

Report Created:

04/11/07 16:35

Oxygenates by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQD0152-01 (NWD-001)		Soil					Sampled: 04/10/07 14:30			
tert-Amyl Methyl Ether	EPA 8260B	ND	---	1.0	mg/kg dry	1x	7D10061	04/10/07 17:00	04/10/07 18:26	
Benzene	"	ND	---	0.21	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	---	10	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	---	0.10	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	---	0.10	"	"	"	"	"	
Diisopropyl ether	"	ND	---	1.0	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	---	1.0	"	"	"	"	"	
Ethanol	"	ND	---	42	"	"	"	"	"	
Ethylbenzene	"	ND	---	0.21	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	1.0	"	"	"	"	"	
Toluene	"	ND	---	0.21	"	"	"	"	"	
Xylenes (total)	"	ND	---	0.63	"	"	"	"	"	
Surrogate(s):	1,2-DCA-d4	108%		75 - 125 %	"				"	
	Toluene-d8	106%		75 - 125 %	"				"	
	4-BFB	100%		75 - 125 %	"				"	

BQD0152-02 (NWD-SK-001)		Soil					Sampled: 04/10/07 14:40			
tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.73	mg/kg dry	1x	7D10061	04/10/07 17:00	04/10/07 18:58	
Benzene	"	ND	---	0.15	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	---	7.3	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	---	0.07	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	---	0.07	"	"	"	"	"	
Diisopropyl ether	"	ND	---	0.73	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	---	0.73	"	"	"	"	"	
Ethanol	"	ND	---	29	"	"	"	"	"	
Ethylbenzene	"	ND	---	0.15	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	0.73	"	"	"	"	"	
Toluene	"	ND	---	0.15	"	"	"	"	"	
Xylenes (total)	"	ND	---	0.44	"	"	"	"	"	
Surrogate(s):	1,2-DCA-d4	108%		75 - 125 %	"				"	
	Toluene-d8	106%		75 - 125 %	"				"	
	4-BFB	99.7%		75 - 125 %	"				"	

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Sandra Yakamovich

Sandra Yakamovich, Project Manager



Delta Environmental	Project Name: Shell-3670 150th Ave SE, Bellevue	Report Created:
4006 148th Ave NE	Project Number: 97420019	04/11/07 16:35
Redmond, WA/USA 98052	Project Manager: Matthew Miller	

Oxygenates by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQD0152-03 (SWD-001)		Soil					Sampled: 04/10/07 15:20			
tert-Amyl Methyl Ether	EPA 8260B	ND	----	1.0	mg/kg dry	1x	7D10061	04/10/07 17:00	04/10/07 19:30	
Benzene	"	ND	----	0.20	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	----	10	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	----	0.10	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	----	0.10	"	"	"	"	"	
Diisopropyl ether	"	ND	----	1.0	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	----	1.0	"	"	"	"	"	
Ethanol	"	ND	----	40	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.20	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	1.0	"	"	"	"	"	
Toluene	"	ND	----	0.20	"	"	"	"	"	
Xylenes (total)	"	ND	----	0.60	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4		110%		75 - 125 %	"				"	
Toluene-d8		106%		75 - 125 %	"				"	
4-BFB		100%		75 - 125 %	"				"	

BQD0152-04 (SWD-SK-001)		Soil					Sampled: 04/10/07 14:50			
tert-Amyl Methyl Ether	EPA 8260B	ND	----	0.82	mg/kg dry	1x	7D10061	04/10/07 17:00	04/10/07 20:02	
Benzene	"	ND	----	0.16	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	----	8.2	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	----	0.08	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	----	0.08	"	"	"	"	"	
Diisopropyl ether	"	ND	----	0.82	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	----	0.82	"	"	"	"	"	
Ethanol	"	ND	----	33	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.16	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	0.82	"	"	"	"	"	
Toluene	"	ND	----	0.16	"	"	"	"	"	
Xylenes (total)	"	ND	----	0.49	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4		110%		75 - 125 %	"				"	
Toluene-d8		105%		75 - 125 %	"				"	
4-BFB		102%		75 - 125 %	"				"	

TestAmerica - Seattle, WA

Sandra Yakamovich

Sandra Yakamovich, Project Manager

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Delta Environmental

4006 148th Ave NE
 Redmond, WA/USA 98052

Project Name: Shell-3670 150th Ave SE, Bellevue

Project Number: 97420019

Project Manager: Matthew Miller

Report Created:

04/11/07 16:35

Oxygenates by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQD0152-05 (NED-001)		Soil		Sampled: 04/10/07 16:10						
tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.70	mg/kg dry	1x	7D10061	04/10/07 17:00	04/10/07 20:34	
Benzene	"	ND	---	0.14	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	---	7.0	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	---	0.07	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	---	0.07	"	"	"	"	"	
Diisopropyl ether	"	ND	---	0.70	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	---	0.70	"	"	"	"	"	
Ethanol	"	ND	----	28	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.14	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	0.70	"	"	"	"	"	
Toluene	"	ND	----	0.14	"	"	"	"	"	
Xylenes (total)	"	ND	----	0.42	"	"	"	"	"	
<i>Surrogate(s):</i>										
1,2-DCA-d4		108%		75 - 125 %	"					"
Toluene-d8		105%		75 - 125 %	"					"
4-BFB		100%		75 - 125 %	"					"

BQD0152-06 (NED-SK-001)		Soil		Sampled: 04/10/07 16:20						
tert-Amyl Methyl Ether	EPA 8260B	ND	----	0.98	mg/kg dry	1x	7D10061	04/10/07 17:00	04/10/07 21:06	
Benzene	"	ND	----	0.20	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	----	9.8	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	----	0.10	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	----	0.10	"	"	"	"	"	
Diisopropyl ether	"	ND	----	0.98	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	----	0.98	"	"	"	"	"	
Ethanol	"	ND	----	39	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.20	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	0.98	"	"	"	"	"	
Toluene	"	ND	----	0.20	"	"	"	"	"	
Xylenes (total)	"	ND	----	0.59	"	"	"	"	"	
<i>Surrogate(s):</i>										
1,2-DCA-d4		109%		75 - 125 %	"					"
Toluene-d8		105%		75 - 125 %	"					"
4-BFB		101%		75 - 125 %	"					"

TestAmerica - Seattle, WA

Sandra Yakamovich

Sandra Yakamovich, Project Manager

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Delta Environmental	Project Name: Shell-3670 150th Ave SE, Bellevue	
4006 148th Ave NE	Project Number: 97420019	Report Created:
Redmond, WA/USA 98052	Project Manager: Matthew Miller	04/11/07 16:35

Oxygenates by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQD0152-07 (SED-001)		Soil					Sampled: 04/10/07 15:50			
tert-Amyl Methyl Ether	EPA 8260B	ND	----	0.73	mg/kg dry	1x	7D10061	04/10/07 17:00	04/10/07 21:38	
Benzene	"	ND	----	0.15	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	----	7.3	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	----	0.07	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	----	0.07	"	"	"	"	"	
Diisopropyl ether	"	ND	----	0.73	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	----	0.73	"	"	"	"	"	
Ethanol	"	ND	----	29	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.15	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	0.73	"	"	"	"	"	
Toluene	"	ND	----	0.15	"	"	"	"	"	
Xylenes (total)	"	ND	----	0.44	"	"	"	"	"	
Surrogate(s):	1,2-DCA-d4	108%		75 - 125 %	"					"
	Toluene-d8	106%		75 - 125 %	"					"
	4-BFB	102%		75 - 125 %	"					"

BQD0152-08 (SED-SK-001)		Soil					Sampled: 04/10/07 16:00			
tert-Amyl Methyl Ether	EPA 8260B	ND	----	0.48	mg/kg dry	1x	7D11033	04/11/07 08:29	04/11/07 13:55	
Benzene	"	ND	----	0.10	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	----	4.8	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	----	0.05	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	----	0.05	"	"	"	"	"	
Diisopropyl ether	"	ND	----	0.48	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	----	0.48	"	"	"	"	"	
Ethanol	"	ND	----	19	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.10	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	0.48	"	"	"	"	"	
Toluene	"	ND	----	0.10	"	"	"	"	"	
Xylenes (total)	"	ND	----	0.29	"	"	"	"	"	
Surrogate(s):	1,2-DCA-d4	100%		75 - 125 %	"					"
	Toluene-d8	102%		75 - 125 %	"					"
	4-BFB	96.4%		75 - 125 %	"					"

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Sandra Yakamovich

Sandra Yakamovich, Project Manager



Delta Environmental 4006 148th Ave NE Redmond, WA/USA 98052	Project Name: Shell-3670 150th Ave SE, Bellevue Project Number: 97420019 Project Manager: Matthew Miller	Report Created: 04/11/07 16:35
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Volatile Petroleum Products by NWTPH-Gx - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7D10060	Soil Preparation Method: EPA 5030B (P/T)
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Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
---------	--------	--------	------	-----	-------	-----	---------------	-----------	-------	----------	-------	----------	----------	-------

Blank (7D10060-BLK1)

Extracted: 04/10/07 18:59

Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	5.00	mg/kg wet	1x	--	--	--	--	--	--	04/10/07 19:00	
Surrogate(s): 4-BFB (FID)		Recovery: 90.3%		Limits: 50-150%										04/10/07 19:00

LCS (7D10060-BS1)

Extracted: 04/10/07 18:59

Gasoline Range Hydrocarbons	NWTPH-Gx	50.2	---	5.00	mg/kg wet	1x	--	50.0	100%	(75-125)	--	--	04/10/07 19:30	
Surrogate(s): 4-BFB (FID)		Recovery: 100%		Limits: 50-150%										04/10/07 19:30

Duplicate (7D10060-DUP1)

QC Source: BQD0152-01

Extracted: 04/10/07 18:59

Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	10.5	mg/kg dry	1x	ND	--	--	--	27.4% (40)		04/10/07 21:00	R4
Surrogate(s): 4-BFB (FID)		Recovery: 91.7%		Limits: 50-150%										04/10/07 21:00

Matrix Spike (7D10060-MS1)

QC Source: BQD0152-01

Extracted: 04/10/07 18:59

Gasoline Range Hydrocarbons	NWTPH-Gx	108	---	10.5	mg/kg dry	1x	4.10	105	99.0%	(42-125)	--	--	04/10/07 23:59	
Surrogate(s): 4-BFB (FID)		Recovery: 103%		Limits: 50-150%										04/10/07 23:59

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Sandra Yakamovich

Sandra Yakamovich, Project Manager

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Delta Environmental	Project Name: Shell-3670 150th Ave SE, Bellevue	Report Created:
4006 148th Ave NE	Project Number: 97420019	04/11/07 16:35
Redmond, WA/USA 98052	Project Manager: Matthew Miller	

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

QC Batch: 7D10065 Soil Preparation Method: Dry Weight

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7D10065-BLK1)								Extracted: 04/10/07 20:26						
Dry Weight	BSOPSP.L00 3R08	100	---	1.00	%	1x	--	--	--	--	--	--	04/11/07 00:00	

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Sandra Yakamavich

Sandra Yakamavich, Project Manager



Delta Environmental

4006 148th Ave NE
 Redmond, WA/USA 98052

Project Name: Shell-3670 150th Ave SE, Bellevue

Project Number: 97420019

Project Manager: Matthew Miller

Report Created:
 04/11/07 16:35

Oxygenates by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7D10061

Soil Preparation Method: EPA 5030B [MeOH]

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7D10061-BLK1)										Extracted: 04/10/07 12:30				
tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.50	mg/kg wet	1x	--	--	--	--	--	--	04/10/07 14:30	
Benzene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
tert-Butyl Alcohol	"	ND	---	5.0	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	---	0.05	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane (EDC)	"	ND	---	0.05	"	"	--	--	--	--	--	--	"	
Diisopropyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Ethyl tert-butyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Ethanol	"	ND	---	20	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	0.20	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	0.30	"	"	--	--	--	--	--	--	"	
Surrogate(s):														
1,2-DCA-d4		Recovery:	106%	Limits:	75-125%	"								
Toluene-d8			106%		75-125%	"								
4-BFB			101%		75-125%	"								

LCS (7D10061-BS1)

										Extracted: 04/10/07 12:30				
tert-Amyl Methyl Ether	EPA 8260B	1.8	---	0.50	mg/kg wet	1x	--	2.00	90.0%	(70-130)	--	--	04/10/07 12:50	
Benzene	"	2.0	---	0.10	"	"	--	"	100%	(75-125)	--	--	"	
tert-Butyl Alcohol	"	10	---	5.0	"	"	--	10.0	100%	(70-130)	--	--	"	
1,2-Dibromoethane (EDB)	"	2.0	---	0.05	"	"	--	2.00	100%	"	--	--	"	
1,2-Dichloroethane (EDC)	"	2.0	---	0.05	"	"	--	"	100%	"	--	--	"	
Diisopropyl ether	"	1.8	---	0.50	"	"	--	"	90.0%	"	--	--	"	
Ethyl tert-butyl ether	"	1.8	---	0.50	"	"	--	"	90.0%	"	--	--	"	
Ethanol	"	42	---	20	"	"	--	40.0	105%	"	--	--	"	
Ethylbenzene	"	2.0	---	0.10	"	"	--	2.00	100%	(75-125)	--	--	"	
Methyl tert-butyl ether	"	1.8	---	0.50	"	"	--	"	90.0%	(71-127)	--	--	"	
Toluene	"	2.0	---	0.10	"	"	--	"	100%	(75-125)	--	--	"	
o-Xylene	"	2.0	---	0.10	"	"	--	"	100%	"	--	--	"	
m,p-Xylene	"	4.0	---	0.20	"	"	--	4.00	100%	"	--	--	"	
Xylenes (total)	"	6.0	---	0.30	"	"	--	6.00	100%	"	--	--	"	
Surrogate(s):														
1,2-DCA-d4		Recovery:	108%	Limits:	75-125%	"								
Toluene-d8			106%		75-125%	"								
4-BFB			101%		75-125%	"								

TestAmerica - Seattle, WA

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Sandra Yakamovich

Sandra Yakamovich, Project Manager



Delta Environmental
 4006 148th Ave NE
 Redmond, WA/USA 98052

Project Name: **Shell-3670 150th Ave SE, Bellevue**
 Project Number: 97420019
 Project Manager: Matthew Miller

Report Created:
 04/11/07 16:35

Oxygenates by EPA Method 8260B - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7D10061 Soil Preparation Method: EPA 5030B [MeOH]

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS Dup (7D10061-BS01)										Extracted: 04/10/07 12:30				
tert-Amyl Methyl Ether	EPA 8260B	1.7	---	0.50	mg/kg wet	1x	--	2.00	85.0%	(70-130)	5.71%	(40)	04/10/07 13:29	
Benzene	"	1.9	---	0.10	"	"	--	"	95.0%	(75-125)	5.13%	(20)	"	
tert-Butyl Alcohol	"	11	---	5.0	"	"	--	10.0	110%	(70-130)	9.52%	(40)	"	
1,2-Dibromoethane (EDB)	"	1.9	---	0.05	"	"	--	2.00	95.0%	"	5.13%	"	"	
1,2-Dichloroethane (EDC)	"	2.0	---	0.05	"	"	--	"	100%	"	0.00%	"	"	
Diisopropyl ether	"	1.7	---	0.50	"	"	--	"	85.0%	"	5.71%	"	"	
Ethyl tert-butyl ether	"	1.7	---	0.50	"	"	--	"	85.0%	"	5.71%	"	"	
Ethanol	"	36	---	20	"	"	--	40.0	90.0%	"	15.4%	"	"	
Ethylbenzene	"	1.9	---	0.10	"	"	--	2.00	95.0%	(75-125)	5.13%	(20)	"	
Methyl tert-butyl ether	"	1.7	---	0.50	"	"	--	"	85.0%	(71-127)	5.71%	"	"	
Toluene	"	1.9	---	0.10	"	"	--	"	95.0%	(75-125)	5.13%	"	"	
o-Xylene	"	1.9	---	0.10	"	"	--	"	95.0%	"	5.13%	"	"	
m,p-Xylene	"	3.9	---	0.20	"	"	--	4.00	97.5%	"	2.53%	"	"	
Xylenes (total)	"	5.8	---	0.30	"	"	--	6.00	96.7%	"	3.39%	"	"	
<hr/>														
Surrogate(s):	1,2-DCA-d4	Recovery:	106%	Limits:	75-125%	"								
	Toluene-d8		106%		75-125%	"								
	4-BFB		100%		75-125%	"								

Delta Environmental	Project Name: Shell-3670 150th Ave SE, Bellevue	Report Created:
4006 148th Ave NE	Project Number: 97420019	04/11/07 16:35
Redmond, WA/USA 98052	Project Manager: Matthew Miller	

Oxygenates by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7D11033	Soil Preparation Method: EPA 5030B
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Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
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Blank (7D11033-BLK1)

Extracted: 04/11/07 08:29

tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.50	mg/kg wet	1x	--	--	--	--	--	--	04/11/07 13:29	
Benzene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
tert-Butyl Alcohol	"	ND	---	5.0	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	---	0.05	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane (EDC)	"	ND	---	0.05	"	"	--	--	--	--	--	--	"	
Diisopropyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Ethyl tert-butyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Ethanol	"	ND	---	20	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	0.20	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	0.30	"	"	--	--	--	--	--	--	"	

Surrogate(s):	1,2-DCA-d4	Recovery:	98.0%	Limits:	75-125%	"	04/11/07 13:29
	Toluene-d8		106%		75-125%	"	"
	4-BFB		99.5%		75-125%	"	"

LCS (7D11033-BS1)

Extracted: 04/11/07 08:29

tert-Amyl Methyl Ether	EPA 8260B	2.0	---	0.50	mg/kg wet	1x	--	2.00	100%	(70-130)	--	--	04/11/07 12:09	
Benzene	"	1.9	---	0.10	"	"	--	"	95.0%	(75-125)	--	--	"	
tert-Butyl Alcohol	"	9.7	---	5.0	"	"	--	10.0	97.0%	(70-130)	--	--	"	
1,2-Dibromoethane (EDB)	"	1.9	---	0.05	"	"	--	2.00	95.0%	"	--	--	"	
1,2-Dichloroethane (EDC)	"	1.8	---	0.05	"	"	--	"	90.0%	"	--	--	"	
Diisopropyl ether	"	2.0	---	0.50	"	"	--	"	100%	"	--	--	"	
Ethyl tert-butyl ether	"	2.0	---	0.50	"	"	--	"	100%	"	--	--	"	
Ethanol	"	110	---	20	"	"	--	100	110%	"	--	--	"	
Ethylbenzene	"	1.9	---	0.10	"	"	--	2.00	95.0%	(75-125)	--	--	"	
Methyl tert-butyl ether	"	1.9	---	0.50	"	"	--	"	95.0%	(71-127)	--	--	"	
Toluene	"	2.0	---	0.10	"	"	--	"	100%	(75-125)	--	--	"	
o-Xylene	"	1.9	---	0.10	"	"	--	"	95.0%	"	--	--	"	
m,p-Xylene	"	3.8	---	0.20	"	"	--	4.00	95.0%	"	--	--	"	
Xylenes (total)	"	5.7	---	0.30	"	"	--	6.00	95.0%	"	--	--	"	

Surrogate(s):	1,2-DCA-d4	Recovery:	97.0%	Limits:	75-125%	"	04/11/07 12:09
	Toluene-d8		108%		75-125%	"	"
	4-BFB		99.0%		75-125%	"	"

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Sandra Yakamovich

Sandra Yakamovich, Project Manager

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Delta Environmental

4006 148th Ave NE
 Redmond, WA/USA 98052

Project Name: Shell-3670 150th Ave SE, Bellevue

Project Number: 97420019

Project Manager: Matthew Miller

Report Created:

04/11/07 16:35

Oxygenates by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7D11033

Soil Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS Dup (7D11033-BSD1)								Extracted: 04/11/07 08:29						
tert-Amyl Methyl Ether	EPA 8260B	1.9	---	0.50	mg/kg wet	1x	--	2.00	95.0%	(70-130)	5.13%	(40)	04/11/07 12:35	
Benzene	"	2.0	---	0.10	"	"	--	"	100%	(75-125)	5.13%	(20)	"	
tert-Butyl Alcohol	"	9.6	---	5.0	"	"	--	10.0	96.0%	(70-130)	1.04%	(40)	"	
1,2-Dibromoethane (EDB)	"	1.9	---	0.05	"	"	--	2.00	95.0%	"	0.00%	"	"	
1,2-Dichloroethane (EDC)	"	1.9	---	0.05	"	"	--	"	95.0%	"	5.41%	"	"	
Diisopropyl ether	"	1.9	---	0.50	"	"	--	"	95.0%	"	5.13%	"	"	
Ethyl tert-butyl ether	"	1.8	---	0.50	"	"	--	"	90.0%	"	10.5%	"	"	
Ethanol	"	100	---	20	"	"	--	100	100%	"	9.52%	"	"	
Ethylbenzene	"	2.0	---	0.10	"	"	--	2.00	100%	(75-125)	5.13%	(20)	"	
Methyl tert-butyl ether	"	1.9	---	0.50	"	"	--	"	95.0%	(71-127)	0.00%	"	"	
Toluene	"	2.0	---	0.10	"	"	--	"	100%	(75-125)	0.00%	"	"	
o-Xylene	"	1.9	---	0.10	"	"	--	"	95.0%	"	0.00%	"	"	
m,p-Xylene	"	4.0	---	0.20	"	"	--	4.00	100%	"	5.13%	"	"	
Xylenes (total)	"	5.9	---	0.30	"	"	--	6.00	98.3%	"	3.45%	"	"	
Surrogate(s):	1,2-DCA-d4	Recovery:	99.0%	Limits:	75-125%	"							04/11/07 12:35	
	Toluene-d8		105%		75-125%	"							"	
	4-BFB		102%		75-125%	"							"	

TestAmerica - Seattle, WA

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Sandra Yakamavich

Sandra Yakamavich, Project Manager



Delta Environmental

4006 148th Ave NE
Redmond, WA/USA 98052

Project Name: **Shell-3670 150th Ave SE, Bellevue**
Project Number: 97420019
Project Manager: Matthew Miller

Report Created:
04/11/07 16:35

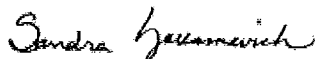
Notes and Definitions

Report Specific Notes:

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.



Sandra Yakamavich, Project Manager



April 26, 2007

Dawna Leong
Delta Environmental
4006 148th Ave NE
Redmond, WA/USA 98052

RE: Shell-3670 150th Ave SE, Bellevue

Enclosed are the results of analyses for samples received by the laboratory on 04/12/07 15:15.
The following list is a summary of the Work Orders contained in this report, generated on 04/26/07 16:38.

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

<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
BQD0195	Shell-3670 150th Ave SE, Bell	97420019

TestAmerica - Seattle, WA

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Delta Environmental

4006 148th Ave NE
Redmond, WA/USA 98052

Project Name: **Shell-3670 150th Ave SE, Bellevue**

Project Number: 97420019

Project Manager: Dawna Leong

Report Created:

04/26/07 16:38

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PLNW-001	BQD0195-01	Soil	04/11/07 10:40	04/12/07 15:15
PLNE-001	BQD0195-02	Soil	04/11/07 11:00	04/12/07 15:15
PLSE-001	BQD0195-03	Soil	04/11/07 11:20	04/12/07 15:15
PLSW-001	BQD0195-04	Soil	04/11/07 12:10	04/12/07 15:15
PLW-M-001	BQD0195-05	Soil	04/11/07 11:50	04/12/07 15:15

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Sandra Yakamovich

Sandra Yakamovich, Project Manager



Delta Environmental	Project Name: Shell-3670 150th Ave SE, Bellevue	Report Created:
4006 148th Ave NE	Project Number: 97420019	04/26/07 16:38
Redmond, WA/USA 98052	Project Manager: Dawna Leong	

Volatile Petroleum Products by NWTPH-Gx

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQD0195-01 (PLNW-001)		Soil						Sampled: 04/11/07 10:40		
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	5.84	mg/kg dry	1x	7D17023	04/17/07 10:08	04/17/07 12:47	BQC
Surrogate(s): 4-BFB (FID)		84.9%		50 - 150 %	"				"	
BQD0195-01RE1 (PLNW-001)		Soil						Sampled: 04/11/07 10:40		
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	5.84	mg/kg dry	1x	7D18018	04/18/07 09:35	04/18/07 18:13	
Surrogate(s): 4-BFB (FID)		88.9%		50 - 150 %	"				"	
BQD0195-02 (PLNE-001)		Soil						Sampled: 04/11/07 11:00		
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	6.78	mg/kg dry	1x	7D17023	04/17/07 10:08	04/17/07 14:54	
Surrogate(s): 4-BFB (FID)		89.9%		50 - 150 %	"				"	
BQD0195-03 (PLSE-001)		Soil						Sampled: 04/11/07 11:20		
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	8.76	mg/kg dry	1x	7D17023	04/17/07 10:08	04/17/07 15:25	
Surrogate(s): 4-BFB (FID)		96.0%		50 - 150 %	"				"	
BQD0195-04 (PLSW-001)		Soil						Sampled: 04/11/07 12:10		
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	9.83	mg/kg dry	1x	7D17023	04/17/07 10:08	04/17/07 15:56	
Surrogate(s): 4-BFB (FID)		87.6%		50 - 150 %	"				"	
BQD0195-05 (PLW-M-001)		Soil						Sampled: 04/11/07 11:50		
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	11.9	mg/kg dry	1x	7D17023	04/17/07 10:08	04/17/07 18:07	
Surrogate(s): 4-BFB (FID)		82.1%		50 - 150 %	"				"	

TestAmerica - Seattle, WA

Sandra Yakamovich

Sandra Yakamovich, Project Manager

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Delta Environmental

4006 148th Ave NE
Redmond, WA/USA 98052

Project Name: **Shell-3670 150th Ave SE, Bellevue**

Project Number: 97420019

Project Manager: Dawna Leong

Report Created:

04/26/07 16:38

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQD0195-01 (PLNW-001)		Soil					Sampled: 04/11/07 10:40			
Dry Weight	BSOPSPL003R0 8	91.7	----	1.00	%	1x	7D19070	04/19/07 19:16	04/20/07 00:00	
BQD0195-02 (PLNE-001)		Soil					Sampled: 04/11/07 11:00			
Dry Weight	BSOPSPL003R0 8	89.3	----	1.00	%	1x	7D19070	04/19/07 19:16	04/20/07 00:00	
BQD0195-03 (PLSE-001)		Soil					Sampled: 04/11/07 11:20			
Dry Weight	BSOPSPL003R0 8	84.1	----	1.00	%	1x	7D19070	04/19/07 19:16	04/20/07 00:00	
BQD0195-04 (PLSW-001)		Soil					Sampled: 04/11/07 12:10			
Dry Weight	BSOPSPL003R0 8	75.5	----	1.00	%	1x	7D19070	04/19/07 19:16	04/20/07 00:00	
BQD0195-05 (PLW-M-001)		Soil					Sampled: 04/11/07 11:50			
Dry Weight	BSOPSPL003R0 8	75.6	----	1.00	%	1x	7D19070	04/19/07 19:16	04/20/07 00:00	

TestAmerica - Seattle, WA

Sandra Yakamovich

Sandra Yakamovich, Project Manager

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Delta Environmental	Project Name: Shell-3670 150th Ave SE, Bellevue	Report Created:
4006 148th Ave NE	Project Number: 97420019	04/26/07 16:38
Redmond, WA/USA 98052	Project Manager: Dawna Leong	

Oxygenates by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQD0195-01 (PLNW-001)		Soil					Sampled: 04/11/07 10:40			
Benzene	EPA 8260B	ND	----	0.12	mg/kg dry	1x	7D13032	04/13/07 14:41	04/13/07 15:36	
Ethylbenzene	"	ND	----	0.12	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	0.58	"	"	"	"	"	
Toluene	"	0.16	----	0.12	"	"	"	"	"	
o-Xylene	"	ND	----	0.12	"	"	"	"	"	
m,p-Xylene	"	ND	----	0.23	"	"	"	"	"	
Xylenes (total)	"	ND	----	0.35	"	"	"	"	"	

Surrogate(s):	1,2-DCA-d4	111%	75 - 125 %	"	"
	Toluene-d8	100%	75 - 125 %	"	"
	4-BFB	100%	75 - 125 %	"	"

BQD0195-02 (PLNE-001)		Soil					Sampled: 04/11/07 11:00			
Benzene	EPA 8260B	ND	----	0.13	mg/kg dry	1x	7D13032	04/13/07 14:41	04/13/07 16:08	
Ethylbenzene	"	ND	----	0.13	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	0.64	"	"	"	"	"	
Toluene	"	ND	----	0.13	"	"	"	"	"	
o-Xylene	"	ND	----	0.13	"	"	"	"	"	
m,p-Xylene	"	ND	----	0.26	"	"	"	"	"	
Xylenes (total)	"	ND	----	0.38	"	"	"	"	"	

Surrogate(s):	1,2-DCA-d4	109%	75 - 125 %	"	"
	Toluene-d8	100%	75 - 125 %	"	"
	4-BFB	100%	75 - 125 %	"	"

BQD0195-03 (PLSE-001)		Soil					Sampled: 04/11/07 11:20			
Benzene	EPA 8260B	ND	----	0.18	mg/kg dry	1x	7D13032	04/13/07 14:41	04/13/07 16:40	
Ethylbenzene	"	ND	----	0.18	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	0.88	"	"	"	"	"	
Toluene	"	ND	----	0.18	"	"	"	"	"	
o-Xylene	"	ND	----	0.18	"	"	"	"	"	
m,p-Xylene	"	ND	----	0.35	"	"	"	"	"	
Xylenes (total)	"	ND	----	0.53	"	"	"	"	"	

Surrogate(s):	1,2-DCA-d4	110%	75 - 125 %	"	"
	Toluene-d8	100%	75 - 125 %	"	"
	4-BFB	101%	75 - 125 %	"	"

TestAmerica - Seattle, WA

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Sandra Yakamavich
Sandra Yakamavich, Project Manager



Delta Environmental	Project Name: Shell-3670 150th Ave SE, Bellevue	Report Created:
4006 148th Ave NE	Project Number: 97420019	04/26/07 16:38
Redmond, WA/USA 98052	Project Manager: Dawna Leong	

Oxygenates by EPA Method 8260B
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQD0195-04 (PLSW-001)		Soil						Sampled: 04/11/07 12:10		
Benzene	EPA 8260B	ND	----	0.20	mg/kg dry	1x	7D13032	04/13/07 14:41	04/13/07 17:12	
Ethylbenzene	"	ND	----	0.20	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	0.98	"	"	"	"	"	
Toluene	"	ND	----	0.20	"	"	"	"	"	
o-Xylene	"	ND	----	0.20	"	"	"	"	"	
m,p-Xylene	"	ND	----	0.39	"	"	"	"	"	
Xylenes (total)	"	ND	----	0.59	"	"	"	"	"	
Surrogate(s):	1,2-DCA-d4	110%		75 - 125 %	"				"	
	Toluene-d8	99.7%		75 - 125 %	"				"	
	4-BFB	101%		75 - 125 %	"				"	
BQD0195-05 (PLW-M-001)		Soil						Sampled: 04/11/07 11:50		
Benzene	EPA 8260B	ND	----	0.24	mg/kg dry	1x	7D13032	04/13/07 14:41	04/13/07 17:44	
Ethylbenzene	"	ND	----	0.24	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	1.2	"	"	"	"	"	
Toluene	"	ND	----	0.24	"	"	"	"	"	
o-Xylene	"	ND	----	0.24	"	"	"	"	"	
m,p-Xylene	"	ND	----	0.48	"	"	"	"	"	
Xylenes (total)	"	ND	----	0.71	"	"	"	"	"	
Surrogate(s):	1,2-DCA-d4	109%		75 - 125 %	"				"	
	Toluene-d8	99.6%		75 - 125 %	"				"	
	4-BFB	101%		75 - 125 %	"				"	

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Sandra Yakamovich

Sandra Yakamovich, Project Manager



Delta Environmental	Project Name: Shell-3670 150th Ave SE, Bellevue	Report Created:
4006 148th Ave NE	Project Number: 97420019	04/26/07 16:38
Redmond, WA/USA 98052	Project Manager: Dawna Leong	

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

QC Batch: 7D17023	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 (7D17023-BLK1)										Extracted: 04/17/07 10:08				
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	5.00	mg/kg wet	1x	--	--	--	--	--	--	04/17/07 11:43	
Surrogate(s): 4-BFB (FID)		Recovery: 96.0%		Limits: 50-150%	"									04/17/07 11:43
LCS (7D17023-BS1)										Extracted: 04/17/07 10:08				
Gasoline Range Hydrocarbons	NWTPH-Gx	47.4	---	5.00	mg/kg wet	1x	--	50.0	94.8%	(75-125)	--	--	04/17/07 12:14	
Surrogate(s): 4-BFB (FID)		Recovery: 92.3%		Limits: 50-150%	"									04/17/07 12:14
Duplicate (7D17023-DUP1)										QC Source: BQD0195-01				
										Extracted: 04/17/07 10:08				
Gasoline Range Hydrocarbons	NWTPH-Gx	5.92	---	5.84	mg/kg dry	1x	ND	--	--	--	3.96%	(40)	04/17/07 13:19	
Surrogate(s): 4-BFB (FID)		Recovery: 88.0%		Limits: 50-150%	"									04/17/07 13:19
Duplicate (7D17023-DUP2)										QC Source: BQD0264-01				
										Extracted: 04/17/07 10:08				
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	11.9	mg/kg dry	1x	ND	--	--	--	0.910%	(40)	04/17/07 14:22	R4
Surrogate(s): 4-BFB (FID)		Recovery: 91.7%		Limits: 50-150%	"									04/17/07 14:22
Matrix Spike (7D17023-MS1)										QC Source: BQD0195-01				
										Extracted: 04/17/07 10:08				
Gasoline Range Hydrocarbons	NWTPH-Gx	69.9	---	5.84	mg/kg dry	1x	5.69	58.4	110%	(42-125)	--	--	04/17/07 16:32	
Surrogate(s): 4-BFB (FID)		Recovery: 102%		Limits: 50-150%	"									04/17/07 16:32

QC Batch: 7D18018										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 (7D18018-BLK1)										Extracted: 04/18/07 09:35				
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	5.00	mg/kg wet	1x	--	--	--	--	--	--	04/18/07 11:11	
Surrogate(s): 4-BFB (FID)		Recovery: 88.3%		Limits: 50-150%	"									04/18/07 11:11
LCS (7D18018-BS1)										Extracted: 04/18/07 09:35				
Gasoline Range Hydrocarbons	NWTPH-Gx	50.0	---	5.00	mg/kg wet	1x	--	50.0	100%	(75-125)	--	--	04/18/07 11:41	
Surrogate(s): 4-BFB (FID)		Recovery: 103%		Limits: 50-150%	"									04/18/07 11:41
Duplicate (7D18018-DUP1)										QC Source: BQD0284-21				
										Extracted: 04/18/07 09:35				
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	9.88	mg/kg dry	1x	ND	--	--	--		(40)	04/18/07 12:42	R4
Surrogate(s): 4-BFB (FID)		Recovery: 88.0%		Limits: 50-150%	"									04/18/07 12:42
Matrix Spike (7D18018-MS1)										QC Source: BQD0284-21				
										Extracted: 04/18/07 09:35				
Gasoline Range Hydrocarbons	NWTPH-Gx	95.4	---	9.88	mg/kg dry	1x	ND	98.8	96.6%	(42-125)	--	--	04/18/07 16:42	
Surrogate(s): 4-BFB (FID)		Recovery: 98.8%		Limits: 50-150%	"									04/18/07 16:42

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Sandra Yakamovich
Sandra Yakamovich, Project Manager



Delta Environmental

4006 148th Ave NE
Redmond, WA/USA 98052

Project Name: **Shell-3670 150th Ave SE, Bellevue**

Project Number: 97420019

Project Manager: Dawna Leong

Report Created:

04/26/07 16:38

Volatile Petroleum Products by NWTPH-Gx - Laboratory Quality Control Results

TestAmerica - Seattle, WA

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Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Delta Environmental	Project Name: Shell-3670 150th Ave SE, Bellevue	Report Created:
4006 148th Ave NE	Project Number: 97420019	04/26/07 16:38
Redmond, WA/USA 98052	Project Manager: Dawna Leong	

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

QC Batch: 7D19070 Soil Preparation Method: Dry Weight

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7D19070-BLK1)										Extracted: 04/19/07 19:16				
Dry Weight	BSOPSPL00 3R08	100	---	1.00	%	1x	--	--	--	--	--	--	04/20/07 00:00	

TestAmerica - Seattle, WA

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Delta Environmental

4006 148th Ave NE
Redmond, WA/USA 98052

Project Name: **Shell-3670 150th Ave SE, Bellevue**

Project Number: **97420019**

Project Manager: **Dawna Leong**

Report Created:

04/26/07 16:38

Oxygenates by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7D13032

Soil Preparation Method: EPA 5030B [MeOH]

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7D13032-BLK1)														
Extracted: 04/13/07 10:41														
tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.50	mg/kg wet	1x	--	--	--	--	--	--	04/13/07 15:04	
Benzene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
tert-Butyl Alcohol	"	ND	---	5.0	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	---	0.05	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane (EDC)	"	ND	---	0.05	"	"	--	--	--	--	--	--	"	
Diisopropyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Ethyl tert-butyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Ethanol	"	ND	---	20	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	0.20	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	0.30	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4 Recovery: 108% Limits: 75-125% " 04/13/07 15:04														
Toluene-d8 100% 75-125% "														
4-BFB 100% 75-125% "														

LCS (7D13032-BS1)

Extracted: 04/13/07 10:41

tert-Amyl Methyl Ether	EPA 8260B	1.9	---	0.50	mg/kg wet	1x	--	2.00	95.0%	(70-130)	--	--	04/13/07 13:21
Benzene	"	2.0	---	0.10	"	"	--	"	100%	(75-125)	--	--	"
tert-Butyl Alcohol	"	12	---	5.0	"	"	--	10.0	120%	(70-130)	--	--	"
1,2-Dibromoethane (EDB)	"	2.0	---	0.05	"	"	--	2.00	100%	"	--	--	"
1,2-Dichloroethane (EDC)	"	2.1	---	0.05	"	"	--	"	105%	"	--	--	"
Diisopropyl ether	"	1.9	---	0.50	"	"	--	"	95.0%	"	--	--	"
Ethyl tert-butyl ether	"	1.9	---	0.50	"	"	--	"	95.0%	"	--	--	"
Ethanol	"	42	---	20	"	"	--	40.0	105%	"	--	--	"
Ethylbenzene	"	1.9	---	0.10	"	"	--	2.00	95.0%	(75-125)	--	--	"
Methyl tert-butyl ether	"	1.9	---	0.50	"	"	--	"	95.0%	(71-127)	--	--	"
Toluene	"	1.9	---	0.10	"	"	--	"	95.0%	(75-125)	--	--	"
o-Xylene	"	1.9	---	0.10	"	"	--	"	95.0%	"	--	--	"
m,p-Xylene	"	3.9	---	0.20	"	"	--	4.00	97.5%	"	--	--	"
Xylenes (total)	"	5.8	---	0.30	"	"	--	6.00	96.7%	"	--	--	"
Surrogate(s): 1,2-DCA-d4 Recovery: 108% Limits: 75-125% " 04/13/07 13:21													
Toluene-d8 99.5% 75-125% " "													
4-BFB 100% 75-125% " "													

TestAmerica - Seattle, WA

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.

Sandra Yakamovich

Sandra Yakamovich, Project Manager



Delta Environmental	Project Name: Shell-3670 150th Ave SE, Bellevue	Report Created:
4006 148th Ave NE	Project Number: 97420019	04/26/07 16:38
Redmond, WA/USA 98052	Project Manager: Dawna Leong	

Oxygenates by EPA Method 8260B - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: **7D13032** Soil Preparation Method: **EPA 5030B [MeOH]**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS Dup (7D13032-BSD1)														
Extracted: 04/13/07 10:41														
tert-Amyl Methyl Ether	EPA 8260B	1.8	---	0.50	mg/kg wet	1x	--	2.00	90.0%	(70-130)	5.41%	(40)	04/13/07 14:03	
Benzene	"	1.9	---	0.10	"	"	--	"	95.0%	(75-125)	5.13%	(20)	"	
tert-Butyl Alcohol	"	11	---	5.0	"	"	--	10.0	110%	(70-130)	8.70%	(40)	"	
1,2-Dibromoethane (EDB)	"	1.9	---	0.05	"	"	--	2.00	95.0%	"	5.13%	"	"	
1,2-Dichloroethane (EDC)	"	2.1	---	0.05	"	"	--	"	105%	"	0.00%	"	"	
Diisopropyl ether	"	1.8	---	0.50	"	"	--	"	90.0%	"	5.41%	"	"	
Ethyl tert-butyl ether	"	1.8	---	0.50	"	"	--	"	90.0%	"	5.41%	"	"	
Ethanol	"	38	---	20	"	"	--	40.0	95.0%	"	10.0%	"	"	
Ethylbenzene	"	1.8	---	0.10	"	"	--	2.00	90.0%	(75-125)	5.41%	(20)	"	
Methyl tert-butyl ether	"	1.9	---	0.50	"	"	--	"	95.0%	(71-127)	0.00%	"	"	
Toluene	"	1.8	---	0.10	"	"	--	"	90.0%	(75-125)	5.41%	"	"	
o-Xylene	"	1.8	---	0.10	"	"	--	"	90.0%	"	5.41%	"	"	
m,p-Xylene	"	3.7	---	0.20	"	"	--	4.00	92.5%	"	5.26%	"	"	
Xylenes (total)	"	5.6	---	0.30	"	"	--	6.00	93.3%	"	3.51%	"	"	
Surrogate(s):	1,2-DCA-d4	Recovery:	108%	Limits:	75-125%	"							04/13/07 14:03	
	Toluene-d8		100%		75-125%	"							"	
	4-BFB		100%		75-125%	"							"	

TestAmerica - Seattle, WA

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Sandra Yakamavich
 Sandra Yakamavich, Project Manager



Delta Environmental

4006 148th Ave NE
Redmond, WA/USA 98052

Project Name: **Shell-3670 150th Ave SE, Bellevue**

Project Number: 97420019

Project Manager: Dawna Leong

Report Created:

04/26/07 16:38

Notes and Definitions

Report Specific Notes:

- BQC - Reported for batch QC purposes only. See re-analysis (RE) for final result.
- 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.



Sandra Yakamavich, Project Manager



