



**CONESTOGA-ROVERS  
& ASSOCIATES**

RELEASE # 324012  
MINIT LUBE # 1102  
LYNNWOOD  
LIST # 6802

May 31, 2007

ERTS # 560509 ✓

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

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

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. CRA acquired the former Cambria Environmental Technology, Inc (Cambria) on April 1, 2007. The majority of work was completed by Cambria and will be referenced as such. The purpose of the investigation was to evaluate soil conditions throughout the property boundary of the subject site.

## EXECUTIVE SUMMARY

- Cambria Environmental Technology Inc. supervised the drilling of five monitoring wells and one soil boring to evaluate the extent of impacted soils 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 196<sup>th</sup> Street and 68<sup>th</sup> 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 appears to be toward the west.

## **INVESTIGATION RESULTS**

- Drilling Dates:*** November 16 – 17, 2006
- Drilling Company:*** Boart Longyear
- Personnel:*** Bryan Palmer of Cambria directed the drilling activities under the supervision of Justin Foslien (Washington State Licensed Geologist #2540).
- Drilling Method:*** Hollow-stem auger
- Number of Borings:*** Six borings, five monitoring wells (MW-1, MW-2, MW-3, MW-4, and MW-5) and one soil boring (SB1) were completed during the investigation. The boring and 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 a depth of 27.5 feet below ground surface (bgs).
- Groundwater Depths:*** Groundwater ranged from approximately 10 to 20 feet bgs.
- Soil Disposal:*** Soil generated from drilling was placed into nine 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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## 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 soil samples collected from all locations exceed levels above the Washington State Model Toxics Control Act (MTCA) Method A. Benzene and gasoline range hydrocarbons present at the site indicate the impacts are likely related to the property's historical use as a service station.

## RECOMMENDATIONS

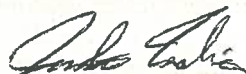
Cambria has initiated quarterly groundwater sampling at wells MW-1 through MW-5 and will forward future quarterly monitoring reports to the Washington Department of Ecology. Cambria proposes to install an additional soil borings and wells at the site to define the lateral extent of impacted soil.

## 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

Figures:           1 - Vicinity Map  
                      2 - Site Map with Monitoring Well Locations



5/31/07  
  
Justin Francis Foslien



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Mr. John Bails  
May 31, 2007

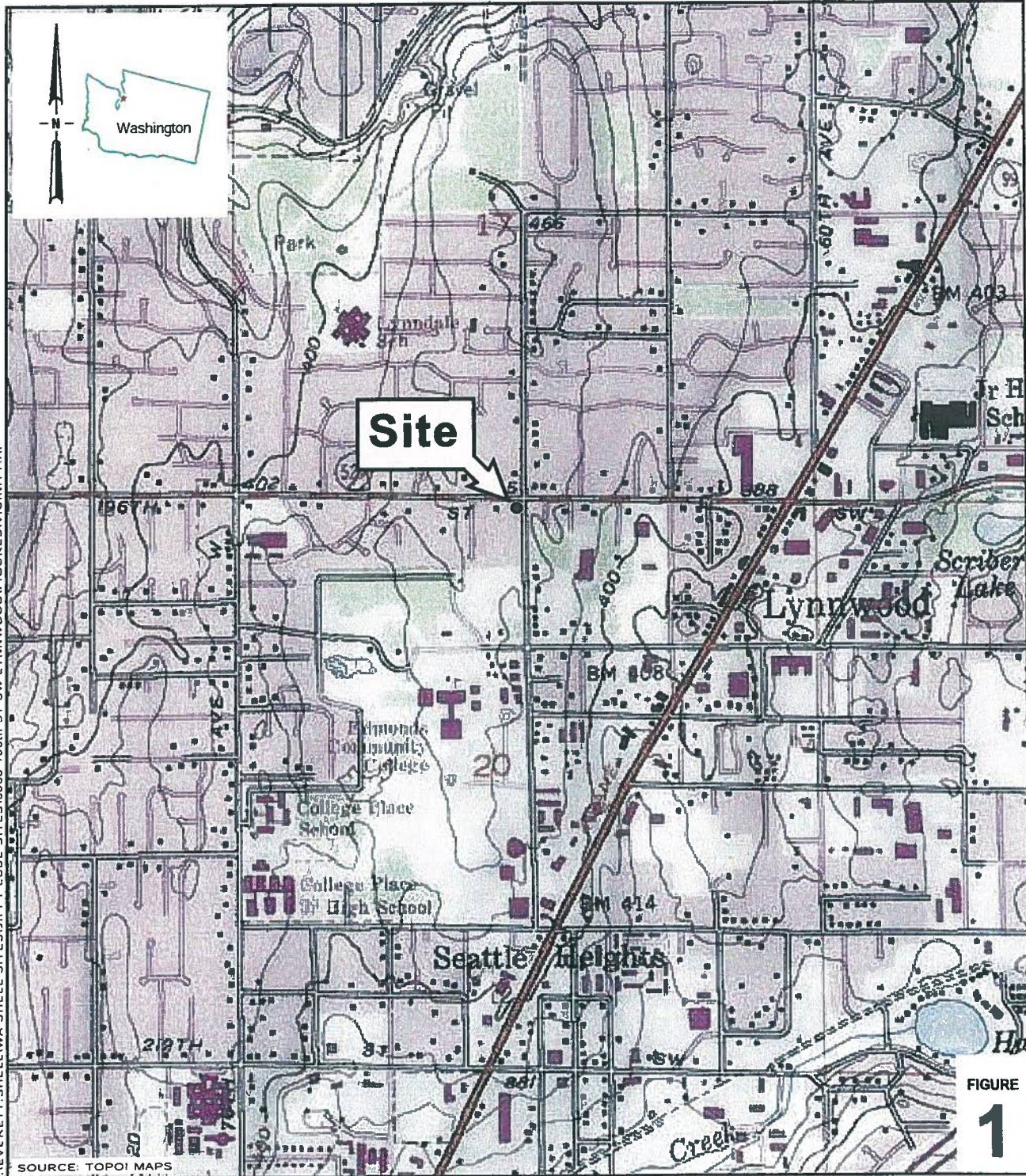
Tables:           1 - Summary of Soil Analytical Data  
                      2 - Summary of Soil Analytical Data  
                      3 - Summary of Soil Analytical Data

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\6808 Site Investigation Report.doc

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\\EVERETT-SHELL\WA\_SHELL\_SITES\JIFFY\_LUBE\_SITES\19608\_196TH\_ST\_SW\_LYNNWOOD\FIGURES\VICINITY.A1

SOURCE: TOPOI MAPS

FIGURE

1

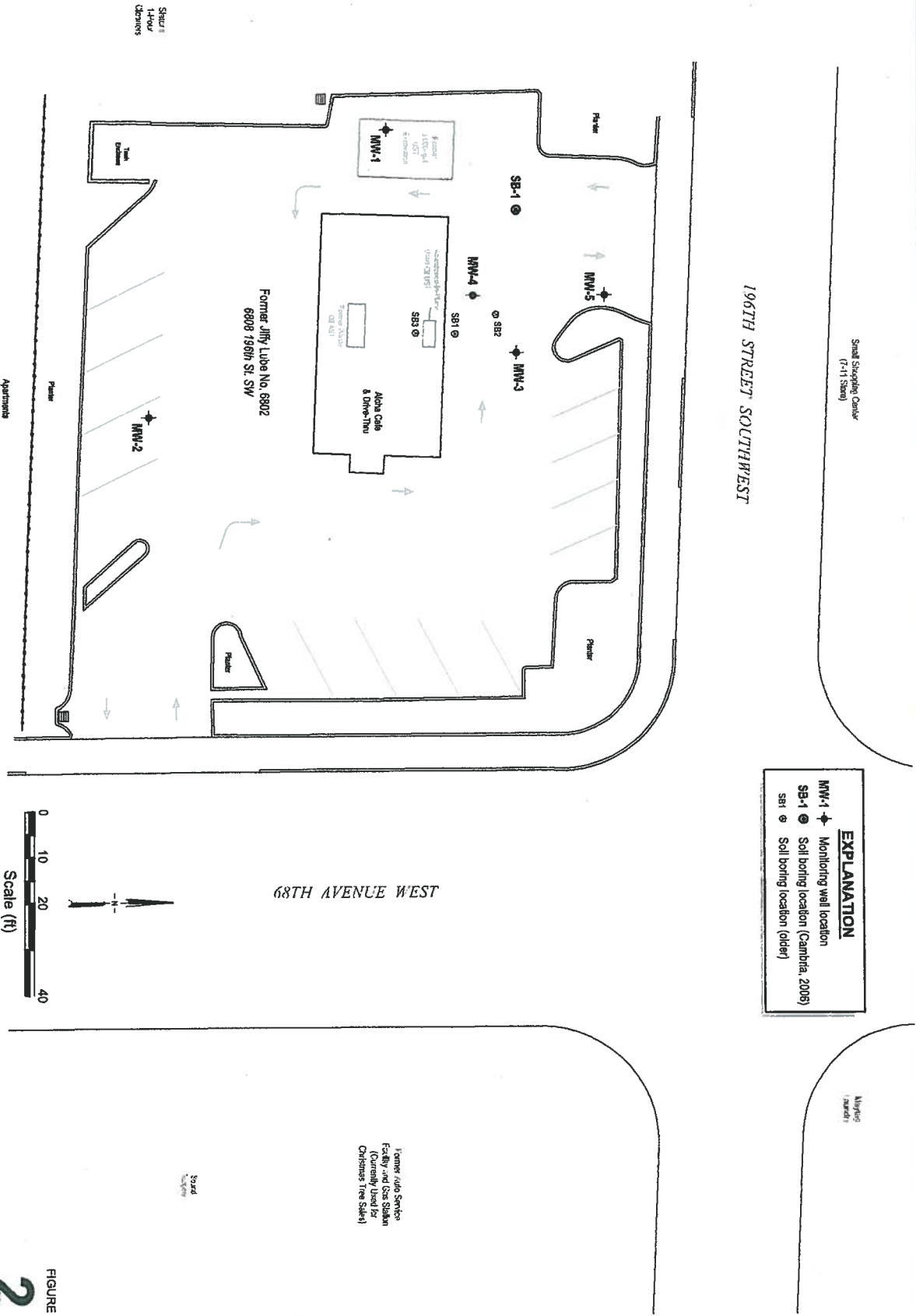
**Jiffy Lube No. 2069**  
 6808 196th Street Southwest  
 Lynnwood, Washington



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**Vicinity Map**

Basemap modified from drawing provided by Geofighters and Dimension Co., Inc. Surveying

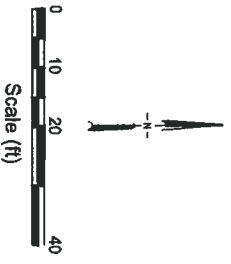


Small Shopping Center  
(7-11 Store)

196TH STREET SOUTHWEST

68TH AVENUE WEST

EXPLANATION	
MW-1	Monitoring well location
SB-1	Soil boring location (Cambria, 2006)
S81	Soil boring location (older)



Former radio Service Facility and Gas Station (Currently Used for Christmas Tree Sales)

Gravel

FIGURE 2

**Jiffy Lube No. 2068**  
6808 196th Street Southwest  
Lynnwood, Washington



**CONESTOGA-ROVERS & ASSOCIATES**

Site Plan

Table 1

**SUMMARY OF SOIL ANALYTICAL RESULTS**  
 SAP#: 171152  
 JLI#: 2068  
 6808 196th ST SW  
 Lynnwood, Washington

Sample Location	MW-1	SB-1	MW-3	MW-2	MW-4	MW-5
Analyte	MWCA Method A Cleanup Levels					
Sample Date	11/16/2006	11/16/2006	11/16/2006	11/17/2006	11/17/2006	11/17/2006
Sample Depth	27.50	17.50	12.50	7.50	7.50	17.50
TPH-G (mg/kg)	100	4.54	12.30	4.51	1820.00	8.39
TPH-D (mg/kg)	2000	<10.6	<10.9	<11.4	63.30	<11.1
TPH-O (mg/kg)	2000	<26.4	<27.2	<27.1	<27.9	<27.8
MTBE (mg/kg)	0.1	<0.36	<0.35	<0.41	<0.40	<0.39
Benzene (mg/kg)	0.03	0.14	0.16	0.73	0.14	8.60
Toluene (mg/kg)	7	0.38	0.34	1.70	0.42	99.00
Ethylbenzene (mg/kg)	6	<0.07	<0.07	0.18	<0.08	25.00
Xylenes (mg/kg)	9	<0.21	<0.21	0.90	<0.24	160.00
1,2-Dichloroethane (mg/kg)		<0.04	<0.04	<0.04	<0.04	<0.04
1,2-Dibromoethane (mg/kg)	0.005	<0.04	<0.04	<0.04	<0.04	<0.04
Total Lead (mg/kg)	250	0.962	1.480	2.060	1.710	6.690

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.

Table 2

**SUMMARY OF SOIL ANALYTICAL RESULTS**  
 SAP# 171152  
 JL# 2068  
 6808 196th ST SW  
 Lynnwood, Washington

Sample Location	MW-1	SB-1	MW-3	MW-2	MW-4	MW-5
Analyte	MTCA Method A Cleanup Levels					
Sample Date	11/16/2006	11/16/2006	11/16/2006	11/17/2006	11/17/2006	11/17/2006
Sample Depth	27.50	17.50	12.50	7.50	17.50	7.50
<b>VPHs (mg/kg)</b>						
C5-C6 Aliphatics	<198	<3.90	<3.90	<3.90	<75.5	<3.80
C6-C8 Aliphatics	<198	4.15	<3.90	<3.90	104	<3.80
C8-C10 Aliphatics	289.00	<3.90	<3.90	<3.90	147	<3.80
C8-C10 Aromatics	<198	<3.90	<3.90	<3.90	140	<3.80
Total VPH	<1390	<3.90	<3.90	<3.90	699	<26.6
<b>EPHs (mg/kg)</b>						
C8-C10 Aliphatics	30.10	<5.56	<5.56	<5.56	<5.35	<5.52
C10-C12 Aliphatics	29.40	<5.56	<5.56	<5.56	11.30	<5.52
C12-C16 Aliphatics	7.95	<5.56	<5.56	<5.56	<5.35	<5.52
C16-C21 Aliphatics	<5.53	<5.56	<5.56	<5.56	<5.35	<5.52
C21-C34 Aliphatics	<5.53	<5.56	<5.56	<5.56	<5.35	<5.52
C8-C10 Aromatics	33.80	<5.56	<5.56	<5.56	<5.35	<5.52
C10-C12 Aromatics	27.80	<5.56	<5.56	<5.56	19.40	<5.52
C12-C16 Aromatics	9.73	<5.56	<5.56	<5.56	11.10	<5.52
C16-C21 Aromatics	<5.53	<5.56	<5.56	<5.56	<5.35	<5.52
C21-C34 Aromatics	<5.53	<5.56	<5.56	<5.56	<5.35	<5.52
Extractable Petroleum					<53.5	<55.2
Hydrocarbons					139.00	63.90
<b>PCBs (mg/kg)</b>						
Aroclor - 1016	<0.0264	<0.0271	<0.0288	<0.0270	<0.0273	<0.0282
Aroclor - 1221	<0.0529	<0.0541	<0.0575	<0.0540	<0.0546	<0.0563
Aroclor - 1232	<0.0264	<0.0271	<0.0288	<0.0270	<0.0273	<0.0282
Aroclor - 1242	<0.0264	<0.0271	<0.0288	<0.0270	109	<0.0269
Aroclor - 1248	<0.0264	<0.0271	<0.0288	<0.0270	<0.0273	<0.0269
Aroclor - 1254	<0.0264	<0.0271	<0.0288	<0.0270	<0.0273	<0.0269
Aroclor - 1260	<0.0264	<0.0271	<0.0288	<0.0270	<0.0273	<0.0269
Aroclor - 1262	<0.0264	<0.0271	<0.0288	<0.0270	<0.0273	<0.0269
Aroclor - 1268	<0.0264	<0.0271	<0.0288	<0.0270	<0.0273	<0.0269



Table 2

## SUMMARY OF SOIL ANALYTICAL RESULTS

SAP# 171152

JL# 2068

6808 196th ST SW

Lynnwood, Washington

Analyte	Sample Location	MW-1		SB-1		MW-3		MW-2		MW-4		MW-5	
		GW1-27.5	GW1-17.5	SB1-12.5	SB1-7.5	GW3-7.5	GW3-17.5	GW2-12.5	GW2-17.5	GW4-7.5	GW4-17.5	GW5-7.5	GW5-17.5
Sample Date		11/16/2006	11/16/2006	11/16/2006	11/16/2006	11/16/2006	11/16/2006	11/17/2006	11/17/2006	11/17/2006	11/17/2006	11/17/2006	11/17/2006
Sample Depth		27.50	17.50	12.50	7.50	7.50	17.50	12.50	17.50	7.50	17.50	7.50	17.50
<b>cPAHs (mg/kg)</b>													
Acenaphthene		<0.0106	<0.0108	<0.0115	<0.0108	<0.0111	<0.0111	<0.0111	0.0113	<0.0107	<0.0110	<0.0108	<0.0111
Acenaphthylene		<0.0106	<0.0108	<0.0115	<0.0108	<0.0111	<0.0111	<0.0111	<0.0113	<0.0107	<0.0110	<0.0108	<0.0111
Anthracene		<0.0106	<0.0108	<0.0115	<0.0108	<0.0111	<0.0111	<0.0111	<0.0113	<0.0107	<0.0110	<0.0108	<0.0111
Benzo(a)anthracene		<0.0106	<0.0108	<0.0115	<0.0108	<0.0111	<0.0111	<0.0111	<0.0113	<0.0107	<0.0110	<0.0108	<0.0111
Chrysene		<0.0106	<0.0108	<0.0115	<0.0108	<0.0111	<0.0111	<0.0111	<0.0113	<0.0107	<0.0110	<0.0108	<0.0111
Benzo(b)fluoranthene		<0.0106	<0.0108	<0.0115	<0.0108	<0.0111	<0.0111	<0.0111	<0.0113	<0.0107	<0.0110	<0.0108	<0.0111
Benzo(k)fluoranthene		<0.0106	<0.0108	<0.0115	<0.0108	<0.0111	<0.0111	<0.0111	<0.0113	<0.0107	<0.0110	<0.0108	<0.0111
Benzo(a)pyrene	0.1	<0.0106	<0.0108	<0.0115	<0.0108	<0.0111	<0.0111	<0.0111	<0.0113	<0.0107	<0.0110	<0.0108	<0.0111
Indeno(1,2,3-cd)pyrene		<0.0106	<0.0108	<0.0115	<0.0108	<0.0111	<0.0111	<0.0111	<0.0113	<0.0107	<0.0110	<0.0108	<0.0111
Dibenzo(a,h)anthracene		<0.0106	<0.0108	<0.0115	<0.0108	<0.0111	<0.0111	<0.0111	<0.0113	<0.0107	<0.0110	<0.0108	<0.0111
Fluoranthene		<0.0106	<0.0108	<0.0115	<0.0108	<0.0111	<0.0111	<0.0111	<0.0113	<0.0107	<0.0110	<0.0108	<0.0111
Fluorene		<0.0106	<0.0108	<0.0115	0.0177	<0.0111	<0.0111	<0.0111	<0.0113	0.611	<0.0110	<0.0108	<0.0111
1-Methylnaphthalene		<0.0106	<0.0108	<0.0115	0.0464	1.79	<0.0111	<0.0111	<0.0113	1.620	<0.0110	2.77	0.0127
2-Methylnaphthalene	5	<0.0106	<0.0108	0.0152	0.0497	3.4	<0.0111	<0.0111	<0.0113	1.8700	<0.0110	2.46	<0.0111
Naphthalene		<0.0106	<0.0108	<0.0115	<0.0108	<0.0111	<0.0111	<0.0111	<0.0113	0.0120	<0.0110	<0.0108	<0.0111
Phenanthrene		<0.0106	<0.0108	<0.0115	<0.0108	<0.0111	<0.0111	<0.0111	<0.0113	0.0121	<0.0110	<0.0108	<0.0111
Pyrene		<0.0106	<0.0108	<0.0115	<0.0108	<0.0111	<0.0111	<0.0111	<0.0113				

PCBs = polychlorinated biphenols

cPAHs = polycyclic aromatic hydrocarbons identified as known or probable human carcinogens by the US EPA

VPHs = Volatile Petroleum Hydrocarbons

EPHs = Extractable Petroleum Hydrocarbons

--- = not analyzed

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

Table 3

## SUMMARY OF SOIL ANALYTICAL RESULTS

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

Sample Location	MW-1	SB-1	MW-3	MW-2	MW-4	MW-5							
Analyte	MTC4 Method A Cleanup Levels												
GW1-27.5	GW1-17.5	SB1-12.5	SB1-7.5	GW3-7.5	GW3-17.5	GW2-12.5	GW2-17.5	GW4-7.5	GW4-17.5	GW5-7.5	GW5-17.5		
Sample Date	11/16/2006	11/16/2006	11/16/2006	11/16/2006	11/16/2006	11/17/2006	11/17/2006	11/17/2006	11/17/2006	11/17/2006	11/17/2006		
Sample Depth	27.50	17.50	12.50	7.50	7.50	17.50	12.50	17.50	7.50	17.50	17.50		
PAHs (mg/kg)													
Acenaphthene	< 0.0106	< 0.0108	< 0.0115	< 0.0108	< 0.0111	< 0.0111	< 0.0111	0.0113	< 0.0107	< 0.0110	< 0.0108	< 0.0111	
Acenaphthylene	< 0.0106	< 0.0108	< 0.0115	< 0.0108	< 0.0111	< 0.0111	< 0.0111	< 0.0113	< 0.0107	< 0.0110	< 0.0108	< 0.0111	
Anthracene	< 0.0106	< 0.0108	< 0.0115	< 0.0108	< 0.0111	< 0.0111	< 0.0111	< 0.0113	< 0.0107	< 0.0110	< 0.0108	< 0.0111	
Fluoranthene	< 0.0106	< 0.0108	< 0.0115	< 0.0108	< 0.0111	< 0.0111	< 0.0111	< 0.0113	< 0.0107	< 0.0110	< 0.0108	< 0.0111	
Flourene	< 0.0106	< 0.0108	< 0.0115	< 0.0108	< 0.0111	< 0.0111	< 0.0111	< 0.0113	< 0.0107	< 0.0110	< 0.0108	< 0.0111	
1-Methylnaphthalene	< 0.0106	< 0.0108	< 0.0115	< 0.0108	< 0.0111	< 0.0111	< 0.0111	< 0.0113	0.611	< 0.0110	< 0.0108	< 0.0111	
2-Methylnaphthalene	< 0.0106	< 0.0108	< 0.0115	< 0.0108	< 0.0111	< 0.0111	< 0.0111	< 0.0113	1.620	< 0.0110	2.77	0.0127	
Naphthalene	< 0.0106	< 0.0108	0.0152	0.0497	3.4	< 0.0111	< 0.0111	< 0.0113	1.8700	< 0.0110	2.46	< 0.0111	
Phenanthrene	< 0.0106	< 0.0108	< 0.0115	< 0.0108	< 0.0111	< 0.0111	< 0.0111	< 0.0113	0.0120	< 0.0110	< 0.0108	< 0.0111	
Pyrene	< 0.0106	< 0.0108	< 0.0115	< 0.0108	< 0.0111	< 0.0111	< 0.0111	< 0.0113	0.0121	< 0.0110	< 0.0108	< 0.0111	
cPAHs (mg/kg)													
Benzo(a)anthracene	< 0.0106	< 0.0108	< 0.0115	< 0.0108	< 0.0111	< 0.0111	< 0.0111	< 0.0113	< 0.0107	< 0.0110	< 0.0108	< 0.0111	
Chrysene	< 0.0106	< 0.0108	< 0.0115	< 0.0108	< 0.0111	< 0.0111	< 0.0111	< 0.0113	< 0.0107	< 0.0110	< 0.0108	< 0.0111	
Benzo(b)fluoranthene	< 0.0106	< 0.0108	< 0.0115	< 0.0108	< 0.0111	< 0.0111	< 0.0111	< 0.0113	< 0.0107	< 0.0110	< 0.0108	< 0.0111	
Benzo(k)fluoranthene	< 0.0106	< 0.0108	< 0.0115	< 0.0108	< 0.0111	< 0.0111	< 0.0111	< 0.0113	< 0.0107	< 0.0110	< 0.0108	< 0.0111	
Benzo(a)pyrene	0.1	< 0.0108	< 0.0115	< 0.0108	< 0.0111	< 0.0111	< 0.0111	< 0.0113	< 0.0107	< 0.0110	< 0.0108	< 0.0111	
Indeno(1,2,3-cd)pyrene	< 0.0106	< 0.0108	< 0.0115	< 0.0108	< 0.0111	< 0.0111	< 0.0111	< 0.0113	< 0.0107	< 0.0110	< 0.0108	< 0.0111	
Dibenzo(a,h)anthracene	< 0.0106	< 0.0108	< 0.0115	< 0.0108	< 0.0111	< 0.0111	< 0.0111	< 0.0113	< 0.0107	< 0.0110	< 0.0108	< 0.0111	
Total cPAHs (mg/kg)													
Calculation	cPAHs x TEF (mg/kg)	cPAHs x TEF (mg/kg)	cPAHs x TEF (mg/kg)	cPAHs x TEF (mg/kg)	cPAHs x TEF (mg/kg)	cPAHs x TEF (mg/kg)	cPAHs x TEF (mg/kg)	cPAHs x TEF (mg/kg)	cPAHs x TEF (mg/kg)	cPAHs x TEF (mg/kg)	cPAHs x TEF (mg/kg)	cPAHs x TEF (mg/kg)	Toxic Equivalency Factor (TEF)
Benzo(a)anthracene	0.00106	0.00108	0.00115	0.00108	0.00111	0.00111	0.00111	0.00113	0.00107	0.00110	0.00108	0.00111	0.1
Chrysene	0.000106	0.000108	0.000115	0.000108	0.000111	0.000111	0.000111	0.000113	0.000107	0.000110	0.000108	0.000111	0.01
Benzo(b)fluoranthene	0.00106	0.00108	0.00115	0.00108	0.00111	0.00111	0.00111	0.00113	0.00107	0.00110	0.00108	0.00111	0.1
Benzo(k)fluoranthene	0.00106	0.00108	0.00115	0.00108	0.00111	0.00111	0.00111	0.00113	0.00107	0.00110	0.00108	0.00111	0.1
Benzo(a)pyrene	0.1	0.0108	0.0115	0.0108	0.0111	0.0111	0.0111	0.0113	0.0107	0.0110	0.0108	0.0111	1.0
Indeno(1,2,3-cd)pyrene	0.00106	0.00108	0.00115	0.00108	0.00111	0.00111	0.00111	0.00113	0.00107	0.00110	0.00108	0.00111	0.1
Dibenzo(a,h)anthracene	0.00424	0.00432	0.0046	0.00432	0.00444	0.00444	0.00444	0.00452	0.00428	0.0044	0.00432	0.00444	0.4
Total cPAHs (mg/kg)*	0.1	0.019548	0.020815	0.019548	0.020091	0.020091	0.020091	0.020453	0.019367	0.01991	0.019548	0.020091	

\* = Total cPAHs are calculated using the Toxic Equivalency Factors for cPAHs found on page 21 of WSDOE's publication titled "Cleanup Levels and Risk Calculations under the Model Toxics Control Act Cleanup Regulation," Version 3.1, November 2001.

Total cPAHs MTC4 Method A cleanup level is based on benzo(a)pyrene

PCBs = polychlorinated biphenols

cPAHs = polycyclic aromatic hydrocarbons identified as known or probable human carcinogens by the US EPA

Shaded concentrations indicate the result exceeds the MTC4 Method A cleanup level for that analyte.

VPHs = Volatile Petroleum Hydrocarbons  
 EPHs = Extractable Petroleum Hydrocarbons  
 --- = not analyzed

**Attachment A**

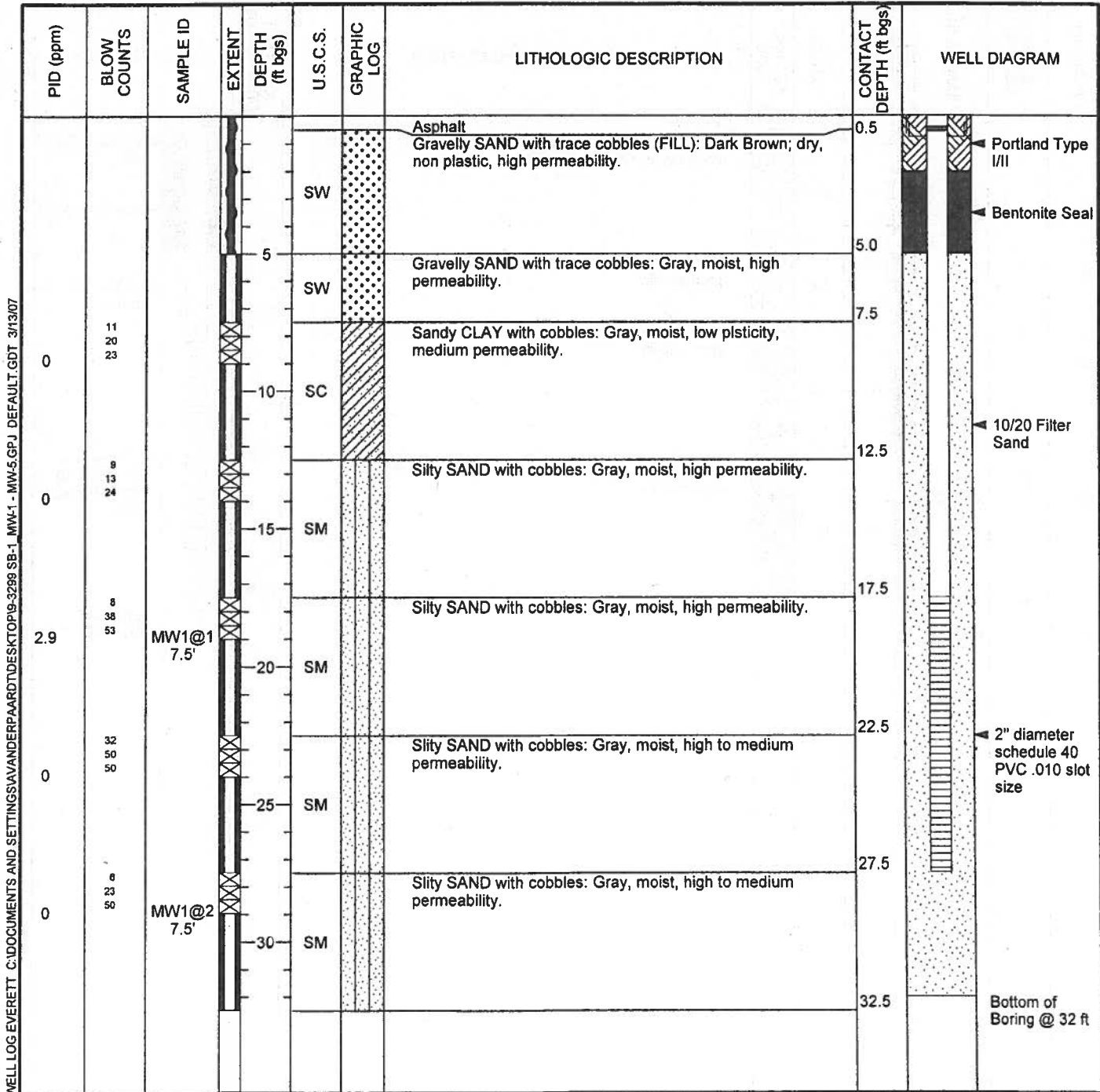
**Boring Logs**



Cambria Environmental Technology, Inc.  
 8620 Holly Drive, Suite 210  
 Everett, WA 98208  
 Telephone: 425.353.6670  
 Fax: 425.353.6443

# BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	MW-1
JOB/SITE NAME	LYNN6808	DRILLING STARTED	16-Nov-06
LOCATION	6808 196th Street, Lynnwood, WA	DRILLING COMPLETED	16-Nov-06
PROJECT NUMBER	248-1739	WELL DEVELOPMENT DATE (YIELD)	28-Dec-06 (12/29/2006)
DRILLER	Boart Longyear Drilling	GROUND SURFACE ELEVATION	452 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	452.00 ft above msl
BORING DIAMETER	8"	SCREENED INTERVAL	17.5 to 27.5 ft bgs
LOGGED BY	Bryan Palmer	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	T. Crotwell	DEPTH TO WATER (Static)	NA
REMARKS			





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# BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	MW-2
JOB/SITE NAME	LYNN6808	DRILLING STARTED	16-Nov-06
LOCATION	6808 196th Street, Lynnwood, WA	DRILLING COMPLETED	17-Nov-06
PROJECT NUMBER	248-1739	WELL DEVELOPMENT DATE (YIELD)	28-Dec-06 (12/29/2006)
DRILLER	Boart Longyear Drilling	GROUND SURFACE ELEVATION	451.04 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	451.04 ft above msl
BORING DIAMETER	8"	SCREENED INTERVAL	7.5 to 17.5 ft bgs
LOGGED BY	Bryan Palmer	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	T. Crotwell	DEPTH TO WATER (Static)	NA

REMARKS

WELL LOG EVERETT C:\DOCUMENTS AND SETTINGS\AVANDERPAARDT\DESKTOP\9-3299 SB-1\_MW-1 - MW-5.GPJ DEFAULT.GDT 3/13/07

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
				0.5			Asphalt	0.5	<p>Portland Type I/II            Bentonite Seal            10/20 Filter Sand            2" diameter schedule 40 PVC .010 slot size</p>
				5	SW		Gravelly SAND with trace cobbles (FILL): Dark Brown; dry, non plastic, high permeability.	5.0	
				7.5	SW		Gravelly SAND with trace cobbles: Gray, moist, high permeability.	7.5	
0.6	11 17 21			10	SC		Clayey SAND with trace gravel: Gray, wet, low plasticity, low permeability.	12.5	
0.7	7 21 35	MW2@1 2.5'		15	CL		Sandy CLAY: Gray, wet, medium plasticity, low permeability.	17.5	
2.4	27 50 50	MW2@1 7.5'						Bottom of Boring @ 18 ft	



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# BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	MW-3
JOB/SITE NAME	LYNN6808	DRILLING STARTED	16-Nov-06
LOCATION	6808 196th Street, Lynnwood, WA	DRILLING COMPLETED	16-Nov-06
PROJECT NUMBER	248-1739	WELL DEVELOPMENT DATE (YIELD)	28-Dec-06 (12/29/2006)
DRILLER	Boart Longyear Drilling	GROUND SURFACE ELEVATION	452.01 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	452.01 ft above msl
BORING DIAMETER	8"	SCREENED INTERVAL	7.5 to 17.5 ft bgs
LOGGED BY	Bryan Palmer	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	T. Crotwell	DEPTH TO WATER (Static)	NA

REMARKS

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
				0.5			Asphalt	0.5	<p>Portland Type I/II</p> <p>Bentonite Seal</p> <p>10/20 Filter Sand</p> <p>2" diameter schedule 40 PVC .010 slot size</p> <p>Bottom of Boring @ 18 ft</p>
				5	SW		Gravelly SAND with trace cobbles (FILL): Dark Brown; dry, non plastic, high permeability.	5.0	
				7.5	SC		Clayey SAND with cobbles: Gray, wet, low plasticity, low permeability.	7.5	
2228	3 8 11	MW3@7 .5'		10	ML		Sandy CLAY with gravel: Gray, wet, medium plasticity, low permeability.	12.5	
189	6 26 50			15	CL		Sandy Clay with gravel: Gray, wet, low plasticity, low permeability.	17.5	
38	14 31 50	MW3@1 7.5'							

WELL LOG EVERETT C:\DOCUMENTS AND SETTINGS\AVANDERPAARD\TUBES\TOP\9-3298 SB-1 MW-1 - MW-5.GPJ DEFAULT.GDT 3/13/07



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# BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	MW-4
JOB/SITE NAME	LYNN6808	DRILLING STARTED	16-Nov-06
LOCATION	6808 196th Street, Lynnwood, WA	DRILLING COMPLETED	16-Nov-06
PROJECT NUMBER	248-1739	WELL DEVELOPMENT DATE (YIELD)	28-Dec-06 (12/29/2006)
DRILLER	Boart Longyear Drilling	GROUND SURFACE ELEVATION	452.28 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	452.28 ft above msl
BORING DIAMETER	8"	SCREENED INTERVAL	7.5 to 17.5 ft bgs
LOGGED BY	Bryan Palmer	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	T. Crotwell	DEPTH TO WATER (Static)	NA
REMARKS			

WELL LOG EVERETT C:\DOCUMENTS AND SETTINGS\AVANDERPAARDT\DESKTOP\9-3299 SB-1\_MW-1 - MW-5.GPJ DEFAULT.GDT 3/13/07

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
				0.5			Asphalt	0.5	<p>Portland Type I/II            Bentonite Seal            10/20 Filter Sand            2" diameter schedule 40 PVC .010 slot size</p>
				5.0	SW		Gravelly SAND with trace cobbles (FILL): Dark Brown; dry, non plastic, high permeability.	5.0	
				7.5	SW		Gravelly Sand: Gray; dry, high permeability.	7.5	
				10	CL		Clayey SAND: Gray, wet, medium permeability.	10	
2390	7 21 23	MW4@7 .5'		12.5	CL		Silty sandy CLAY: Gray, low plasticity, medium permeability.	12.5	<p>Bottom of Boring @ 18 ft</p>
149	7 13 14			15	CL			15	
63	19 50	MW4@1 7.5'		17.5				17.5	

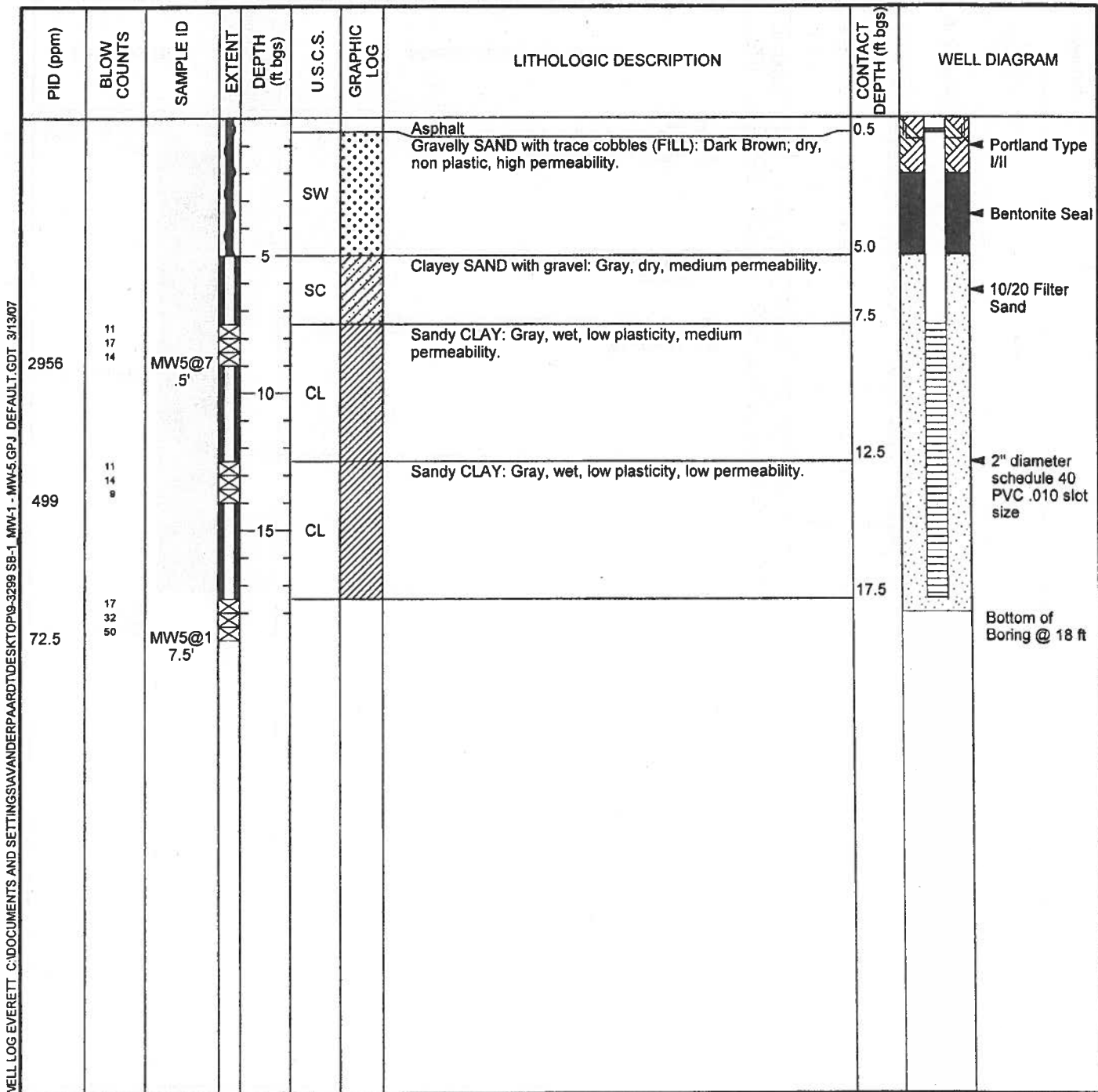


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# BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	MW-5
JOB/SITE NAME	LYNN6808	DRILLING STARTED	16-Nov-06
LOCATION	6808 196th Street, Lynnwood, WA	DRILLING COMPLETED	17-Nov-06
PROJECT NUMBER	248-1739	WELL DEVELOPMENT DATE (YIELD)	28-Dec-06 (12/29/2006)
DRILLER	Boart Longyear Drilling	GROUND SURFACE ELEVATION	451.85 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	451.58 ft above msl
BORING DIAMETER	8"	SCREENED INTERVAL	7.5 to 17.5 ft bgs
LOGGED BY	Bryan Palmer	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	T. Crotwell	DEPTH TO WATER (Static)	NA

REMARKS



WELL LOG EVERETT C:\DOCUMENTS AND SETTINGS\AVANDERPAARDT\DESKTOP\PI9-3299 SB-1 MW-1 - MW-5.GPJ DEFAULT.GDT 3/13/07





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 Everett, WA 98208  
 Telephone: 425.353.6670  
 Fax: 425.353.6443

# BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SB-1
JOB/SITE NAME	LYNN6808	DRILLING STARTED	16-Nov-06
LOCATION	6808 196th Street, Lynnwood, WA	DRILLING COMPLETED	17-Nov-06
PROJECT NUMBER	248-1739	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Boart Longyear Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	8"	SCREENED INTERVAL	NA
LOGGED BY	Bryan Palmer	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	T. Crotwell	DEPTH TO WATER (Static)	NA

REMARKS

WELL LOG EVERETT C:\DOCUMENTS AND SETTINGS\AVANDERPAARDTIDESKTOP\19-3298 SB-1 MW-1 - MW-5.GPJ DEFAULT.GDT 3/13/07

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0				0			Asphalt	0.5	
				5	SW		Gravelly SAND with trace cobbles: Dark Brown; dry, non plastic, high permeability.	5.0	
7.7	3 8 9			7.5	SW		Gravelly SAND with trace cobbles: Gray; dry, high permeability.	7.5	
				10	SC		Clayey SAND with trace cobbles: Gray; wet, low plasticity, low permeability.	12.5	
24.2	3 4 9	SB1@1 2.5'		12.5			Gravelly SAND: Gray; moist, low permeability.	12.5	
7	11 24 50	SB1@1 7.5'		17.5	SW			17.5	Bottom of Boring @ 18 ft

**Attachment B**  
**Waste Disposal Manifest**



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

# SHIPPING PAPER

Lading Manifest: 57881

SHIPPER / CUSTOMER <b>SHELL OIL PRODUCTS US 300-F07</b>		DELIVERY DATE	JOB # <b>761545</b>
ADDRESS <b>12700 NORTHBOROUGH DR</b>		POINT OF CONTACT <b>DON WISDOM</b>	
CITY, STATE, ZIP <b>HOUSTON TX 77067</b>		PHONE # <b>(281) 874-2238</b>	
CARRIER / TRANSPORTER <b>BURLINGTON ENVIRONMENTAL, INC.</b>		PHONE # <b>(253) 383-3044</b>	
CONSIGNEE / FACILITY <b>BURLINGTON ENVIRONMENTAL, INC.</b>		POINT OF CONTACT	
ADDRESS <b>20245 77TH AVENUE SOUTH</b>		PHONE # <b>(253) 872-8030</b>	
CITY, STATE, ZIP <b>KENT , WA 98032</b>			

HM	US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	UOM
		No.	Type		
A	<b>X GASOLINE MIXTURE 3 UN1203 PG11 ERG(128)</b>	2	DM	110	G
B					
C					
D					

Special Handling Instruction and Additional Information:

a) SHELLRECPHOD-00 - RECOVERABLE PRODUCTS - AF01 AF001 WAT05 WAT05 (12) SITE: 6808-196TH ST SW, LYNNWOOD WA 98036. CCF 276501. **PLEASE RETURN FINAL MANIFEST TO: CAMBRIA ENV'L, ATTN: BRYAN PALMER, 8620 HOLLY DR, EVERETT WA 98208.**

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 <i>Jolene Renner on behalf of Shell</i>	SIGNATURE <i>Jolene Renner</i>	MONTH 01	DAY 10	YEAR 07
CARRIER/TRANSPORTER) PRINT OR TYPE NAME <i>MARC BOWMAN</i>	SIGNATURE <i>Marc Bowman</i>	MONTH 01	DAY 17	YEAR 07
CONSIGNEE/FACILITY) PRINT OR TYPE NAME <i>Megyn Ah Mu</i>	SIGNATURE <i>Megyn Ah Mu</i>	MONTH 1	DAY 17	YEAR 07

CONSIGNEE



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

# SHIPPING PAPER

Lading Manifest: 17589-06

SHIPPER / CUSTOMER <b>SHELL OIL PRODUCTS US 300-F07</b>		DELIVERY DATE	JOB # <b>758309</b>
ADDRESS <b>12700 NORTHBOROUGH DR</b>		POINT OF CONTACT <b>DON WISDOM</b>	
CITY, STATE, ZIP <b>HOUSTON TX 77067</b>		PHONE # <b>(281)874-2238</b>	
CARRIER / TRANSPORTER <b>HURLINGTON ENVIRONMENTAL, INC.</b>		PHONE # <b>(253)383-3044</b>	
CONSIGNEE / FACILITY <b>HURLINGTON ENVIRONMENTAL, INC.</b>		POINT OF CONTACT	
ADDRESS <b>20245 77TH AVENUE SOUTH</b>		PHONE # <b>(253)872-8030</b>	
CITY, STATE, ZIP <b>KENT, WA 98032</b>			

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		9 DM	5400	P
B					
C					
D					

Special Handling Instruction and Additional Information:

a) 350039-01 - NON HAZ SOIL - LFB01 LFB01 STAB01 (8) SITE: 6808 196TH ST SW, LYNNWOOD, WA. SHELL PH: CAROL CAMPAGNA. RHP 57117. \*\* KENT: NAIL BOLTS TO CABBRIA, BRYAN PALMER, 8620 HOLLY DR, EVERETT, WA 98208.\*\*

Placards 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 X <b>Jolene Renner on behalf of</b>	SIGNATURE <i>Jolene Renner</i>	MONTH <b>12</b>	DAY <b>20</b>	YEAR <b>06</b>
(CARRIER/TRANSPORTER) PRINT OR TYPE NAME X <b>MARK B BOWMAN</b>	SIGNATURE <i>[Signature]</i>	MONTH <b>12</b>	DAY <b>20</b>	YEAR <b>06</b>
(CONSIGNEE/FACILITY) PRINT OR TYPE NAME X <b>Megan Ah Mu</b>	SIGNATURE X <i>[Signature]</i>	MONTH <b>12</b>	DAY <b>20</b>	YEAR <b>06</b>

CONSIGNEE

500 20 06 06

**Attachment C**  
**Certified Analytical Reports**

December 08, 2006

Justin Foslien  
Cambria - Seattle  
8620 Holly Drive, Suite 210  
Everett, WA 98208

RE: Shell - 6808 196th SW, Lynnwood

Enclosed are the results of analyses for samples received by the laboratory on 11/17/06 16:00.  
The following list is a summary of the Work Orders contained in this report, generated on 12/08/06  
18:57.

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

---

<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
BPK0570	Shell - 6808 196th SW, Lynnw	248-1739

---

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.*



<b>Cambria - Seattle</b> 8620 Holly Drive, Suite 210 Everett, WA 98208	<b>Project Name:</b> Shell - 6808 196th SW, Lynnwood	<b>Report Created:</b> 12/08/06 18:57
	<b>Project Number:</b> 248-1739	
	<b>Project Manager:</b> Justin Foslien	

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GW1@27.5'	BPK0570-01	Soil	11/16/06 10:30	11/17/06 16:00
GW1@17.5'	BPK0570-02	Soil	11/16/06 10:03	11/17/06 16:00
SB1@12.5'	BPK0570-03	Soil	11/16/06 13:20	11/17/06 16:00
SB1@7.5'	BPK0570-04	Soil	11/16/06 13:15	11/17/06 16:00
GW3@7.5'	BPK0570-05	Soil	11/16/06 14:35	11/17/06 16:00
GW3@17.5'	BPK0570-06	Soil	11/16/06 14:50	11/17/06 16:00
GW2@12.5'	BPK0570-07	Soil	11/17/06 08:39	11/17/06 16:00
GW2@17.5'	BPK0570-08	Soil	11/17/06 08:50	11/17/06 16:00
GW4@7.5'	BPK0570-09	Soil	11/17/06 10:32	11/17/06 16:00
GW4@17.5'	BPK0570-10	Soil	11/17/06 10:45	11/17/06 16:00
GW5@7.5'	BPK0570-11	Soil	11/17/06 12:27	11/17/06 16:00
GW5@17.5'	BPK0570-12	Soil	11/17/06 12:45	11/17/06 16:00

TestAmerica - Seattle, WA

*Kate Haney*

Kate Haney, Project Manager

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<b>Cambria - Seattle</b> 8620 Holly Drive, Suite 210 Everett, WA 98208	<b>Project Name:</b> Shell - 6808 196th SW, Lynnwood <b>Project Number:</b> 248-1739 <b>Project Manager:</b> Justin Foslien	<b>Report Created:</b> 12/08/06 18:57
--	---	--

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

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>BPK0570-01 (GW1@27.5')</b>		<b>Soil</b>			<b>Sampled: 11/16/06 10:30</b>					
Gasoline Range Hydrocarbons	NWTPH-Gx	4.54	----	3.57	mg/kg dry	1x	6K29027	11/29/06 11:15	11/29/06 19:12	
Surrogate(s): 4-BFB (FID)			82.2%		50 - 150 %	"				"
<b>BPK0570-02 (GW1@17.5')</b>		<b>Soil</b>			<b>Sampled: 11/16/06 10:03</b>					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	3.54	mg/kg dry	1x	6K29027	11/29/06 11:15	11/29/06 19:42	
Surrogate(s): 4-BFB (FID)			84.0%		50 - 150 %	"				"
<b>BPK0570-03 (SB1@12.5')</b>		<b>Soil</b>			<b>Sampled: 11/16/06 13:20</b>					
Gasoline Range Hydrocarbons	NWTPH-Gx	12.3	----	3.92	mg/kg dry	1x	6K29027	11/29/06 11:15	11/29/06 20:12	
Surrogate(s): 4-BFB (FID)			82.6%		50 - 150 %	"				"
<b>BPK0570-04 (SB1@7.5')</b>		<b>Soil</b>			<b>Sampled: 11/16/06 13:15</b>					
Gasoline Range Hydrocarbons	NWTPH-Gx	4.51	---	4.05	mg/kg dry	1x	6K29027	11/29/06 11:15	11/29/06 22:40	
Surrogate(s): 4-BFB (FID)			83.1%		50 - 150 %	"				"
<b>BPK0570-05 (GW3@7.5')</b>		<b>Soil</b>			<b>Sampled: 11/16/06 14:35</b>					
Gasoline Range Hydrocarbons	NWTPH-Gx	1820	----	793	mg/kg dry	200x	6K29027	11/29/06 11:15	11/29/06 23:10	
Surrogate(s): 4-BFB (FID)			85.3%		50 - 150 %	1x				"
<b>BPK0570-06 (GW3@17.5')</b>		<b>Soil</b>			<b>Sampled: 11/16/06 14:50</b>					
Gasoline Range Hydrocarbons	NWTPH-Gx	8.39	----	3.90	mg/kg dry	1x	6K29027	11/29/06 11:15	11/29/06 20:41	
Surrogate(s): 4-BFB (FID)			85.9%		50 - 150 %	"				"
<b>BPK0570-07 (GW2@12.5')</b>		<b>Soil</b>			<b>Sampled: 11/17/06 08:39</b>					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	----	3.68	mg/kg dry	1x	6K30024	11/30/06 10:49	11/30/06 20:27	
Surrogate(s): 4-BFB (FID)			101%		50 - 150 %	"				"
<b>BPK0570-08 (GW2@17.5')</b>		<b>Soil</b>			<b>Sampled: 11/17/06 08:50</b>					
Gasoline Range Hydrocarbons	NWTPH-Gx	9.49	----	4.26	mg/kg dry	1x	6K30024	11/30/06 10:49	11/30/06 22:59	
Surrogate(s): 4-BFB (FID)			102%		50 - 150 %	"				"

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.*





<b>Cambria - Seattle</b> 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name: <b>Shell - 6808 196th SW, Lynnwood</b> Project Number: 248-1739 Project Manager: Justin Foslien	Report Created: 12/08/06 18:57
--	---	-----------------------------------

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

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>BPK0570-09 (GW4@7.5')</b>		<b>Soil</b>			<b>Sampled: 11/17/06 10:32</b>					
Gasoline Range Hydrocarbons	NWTPH-Gx	1060	---	189	mg/kg dry	50x	6K30024	11/30/06 10:49	11/30/06 23:30	
Surrogate(s): 4-BFB (FID)			111%		50 - 150 %	1x				"
<b>BPK0570-10 (GW4@17.5')</b>		<b>Soil</b>			<b>Sampled: 11/17/06 10:45</b>					
Gasoline Range Hydrocarbons	NWTPH-Gx	8.57	---	3.80	mg/kg dry	1x	6K30024	11/30/06 10:49	11/30/06 20:57	
Surrogate(s): 4-BFB (FID)			99.1%		50 - 150 %	"				"
<b>BPK0570-11 (GW5@7.5')</b>		<b>Soil</b>			<b>Sampled: 11/17/06 12:27</b>					
Gasoline Range Hydrocarbons	NWTPH-Gx	1550	---	193	mg/kg dry	50x	6K30024	11/30/06 10:49	12/01/06 00:01	
Surrogate(s): 4-BFB (FID)			99.1%		50 - 150 %	1x				"
<b>BPK0570-12 (GW5@17.5')</b>		<b>Soil</b>			<b>Sampled: 11/17/06 12:45</b>					
Gasoline Range Hydrocarbons	NWTPH-Gx	23.9	---	3.69	mg/kg dry	1x	6K30024	11/30/06 10:49	11/30/06 19:56	
Surrogate(s): 4-BFB (FID)			99.1%		50 - 150 %	"				"

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*Kate Haney*

Kate Haney, Project Manager

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<b>Cambria - Seattle</b> 8620 Holly Drive, Suite 210 Everett, WA 98208	<b>Project Name:</b> Shell - 6808 196th SW, Lynnwood <b>Project Number:</b> 248-1739 <b>Project Manager:</b> Justin Foslien	<b>Report Created:</b> 12/08/06 18:57
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**Volatile Petroleum Hydrocarbons by WDOE TPH Policy Method**  
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>BPK0570-05RE2 (GW3@7.5')</b>		<b>Soil</b>			<b>Sampled: 11/16/06 14:35</b>					<b>H2</b>
C5-C6 Aliphatics	WA MTCA-VPH	ND	---	198	mg/kg dry	50x	6L06021	12/06/06 09:31	12/07/06 00:04	
C6-C8 Aliphatics	"	ND	---	198	"	"	"	"	"	<b>L1</b>
C8-C10 Aromatics	"	289	---	198	"	"	"	"	"	
C10-C12 Aromatics	"	227	---	198	"	"	"	"	"	
C12-C13 Aromatics	"	ND	---	198	"	"	"	"	"	
Total VPH (TVPH)	"	ND	---	1390	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>			120%		60 - 140 %	1x				
<i>4-BFB (PID)</i>			100%		60 - 140 %	"				

<b>BPK0570-06RE1 (GW3@17.5')</b>		<b>Soil</b>			<b>Sampled: 11/16/06 14:50</b>					
C5-C6 Aliphatics	WA MTCA-VPH	ND	---	3.90	mg/kg dry	1x	6K28004	11/28/06 09:45	11/28/06 14:00	
C6-C8 Aliphatics	"	4.15	----	3.90	"	"	"	"	"	
C8-C10 Aromatics	"	ND	---	3.90	"	"	"	"	"	
C10-C12 Aromatics	"	ND	---	3.90	"	"	"	"	"	
C12-C13 Aromatics	"	ND	---	3.90	"	"	"	"	"	
Total VPH (TVPH)	"	ND	---	27.3	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>			104%		60 - 140 %	"				
<i>4-BFB (PID)</i>			96.6%		60 - 140 %	"				

<b>BPK0570-09RE2 (GW4@7.5')</b>		<b>Soil</b>			<b>Sampled: 11/17/06 10:32</b>					<b>H2</b>
C5-C6 Aliphatics	WA MTCA-VPH	ND	---	75.5	mg/kg dry	20x	6L06021	12/06/06 09:31	12/07/06 00:35	
C6-C8 Aliphatics	"	104	----	75.5	"	"	"	"	"	<b>L1</b>
C8-C10 Aromatics	"	147	----	75.5	"	"	"	"	"	
C10-C12 Aromatics	"	140	----	75.5	"	"	"	"	"	
C12-C13 Aromatics	"	ND	---	75.5	"	"	"	"	"	
Total VPH (TVPH)	"	699	---	528	"	"	"	"	"	
<i>Surrogate(s): 4-BFB (FID)</i>			127%		60 - 140 %	1x				
<i>4-BFB (PID)</i>			96.9%		60 - 140 %	"				

<b>BPK0570-10RE1 (GW4@17.5')</b>		<b>Soil</b>			<b>Sampled: 11/17/06 10:45</b>					
C5-C6 Aliphatics	WA MTCA-VPH	ND	---	3.80	mg/kg dry	1x	6K28004	11/28/06 09:45	11/28/06 15:41	
C6-C8 Aliphatics	"	ND	---	3.80	"	"	"	"	"	
C8-C10 Aromatics	"	ND	---	3.80	"	"	"	"	"	
C10-C12 Aromatics	"	ND	---	3.80	"	"	"	"	"	
C12-C13 Aromatics	"	ND	---	3.80	"	"	"	"	"	
Total VPH (TVPH)	"	ND	---	26.6	"	"	"	"	"	

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*Kate Haney*

Kate Haney, Project Manager

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**Cambria - Seattle**  
 8620 Holly Drive, Suite 210  
 Everett, WA 98208

Project Name: **Shell - 6808 196th SW, Lynnwood**  
 Project Number: 248-1739  
 Project Manager: Justin Foslien

Report Created:  
 12/08/06 18:57

**Volatile Petroleum Hydrocarbons by WDOE TPH Policy Method**  
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
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BPK0570-10RE1 (GW4@17.5')		Soil		Sampled: 11/17/06 10:45						
Surrogate(s):	4-BFB (FID)	97.4%		60 - 140 %	1x				11/28/06 15:41	
	4-BFB (PID)	95.2%		60 - 140 %	"				"	

BPK0570-11RE2 (GW5@7.5')		Soil		Sampled: 11/17/06 12:27							H2
C5-C6 Aliphatics	WA MTCA-VPH	ND	---	77.2	mg/kg dry	20x	6L06021	12/06/06 09:31	12/07/06 01:05		
C6-C8 Aliphatics	"	ND	---	77.2	"	"	"	"	"	L1	
C8-C10 Aromatics	"	ND	---	77.2	"	"	"	"	"		
C10-C12 Aromatics	"	ND	---	77.2	"	"	"	"	"		
C12-C13 Aromatics	"	ND	---	77.2	"	"	"	"	"		
Total VPH (TVPH)	"	ND	---	541	"	"	"	"	"		
Surrogate(s):	4-BFB (FID)	99.6%		60 - 140 %	1x				"		
	4-BFB (PID)	100%		60 - 140 %	"				"		

BPK0570-12RE1 (GW5@17.5')		Soil		Sampled: 11/17/06 12:45						
C5-C6 Aliphatics	WA MTCA-VPH	ND	---	3.69	mg/kg dry	1x	6K28004	11/28/06 09:45	11/28/06 16:11	
C6-C8 Aliphatics	"	7.96	---	3.69	"	"	"	"	"	
C8-C10 Aromatics	"	ND	---	3.69	"	"	"	"	"	
C10-C12 Aromatics	"	ND	---	3.69	"	"	"	"	"	
C12-C13 Aromatics	"	ND	---	3.69	"	"	"	"	"	
Total VPH (TVPH)	"	ND	---	25.9	"	"	"	"	"	
Surrogate(s):	4-BFB (FID)	114%		60 - 140 %	"				"	
	4-BFB (PID)	91.9%		60 - 140 %	"				"	

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*Kate Haney*

Kate Haney, Project Manager

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<b>Cambria - Seattle</b> 8620 Holly Drive, Suite 210 Everett, WA 98208	<b>Project Name:</b> Shell - 6808 196th SW, Lynnwood <b>Project Number:</b> 248-1739 <b>Project Manager:</b> Justin Foslien	<b>Report Created:</b> 12/08/06 18:57
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**Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up**  
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>BPK0570-01 (GW1@27.5')</b>		<b>Soil</b>			<b>Sampled: 11/16/06 10:30</b>					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	10.6	mg/kg dry	1x	6K27031	11/27/06 10:42	12/06/06 17:38	
Lube Oil Range Hydrocarbons	"	ND	---	26.4	"	"	"	"	"	
<i>Surrogate(s): 2-FBP</i>				105%	54 - 148 %	"				"
<i>Octacosane</i>				90.2%	62 - 142 %	"				"
<b>BPK0570-02 (GW1@17.5')</b>		<b>Soil</b>			<b>Sampled: 11/16/06 10:03</b>					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	10.9	mg/kg dry	1x	6K27031	11/27/06 10:42	12/06/06 18:04	
Lube Oil Range Hydrocarbons	"	ND	---	27.2	"	"	"	"	"	
<i>Surrogate(s): 2-FBP</i>				95.5%	54 - 148 %	"				"
<i>Octacosane</i>				87.4%	62 - 142 %	"				"
<b>BPK0570-03 (SB1@12.5')</b>		<b>Soil</b>			<b>Sampled: 11/16/06 13:20</b>					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	11.4	mg/kg dry	1x	6K27031	11/27/06 10:42	12/06/06 19:48	
Lube Oil Range Hydrocarbons	"	ND	---	28.6	"	"	"	"	"	
<i>Surrogate(s): 2-FBP</i>				97.5%	54 - 148 %	"				"
<i>Octacosane</i>				87.8%	62 - 142 %	"				"
<b>BPK0570-04 (SB1@7.5')</b>		<b>Soil</b>			<b>Sampled: 11/16/06 13:15</b>					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	10.8	mg/kg dry	1x	6K27031	11/27/06 10:42	12/06/06 20:14	
Lube Oil Range Hydrocarbons	"	ND	---	27.1	"	"	"	"	"	
<i>Surrogate(s): 2-FBP</i>				102%	54 - 148 %	"				"
<i>Octacosane</i>				90.0%	62 - 142 %	"				"
<b>BPK0570-05 (GW3@7.5')</b>		<b>Soil</b>			<b>Sampled: 11/16/06 14:35</b>					
Diesel Range Hydrocarbons	NWTPH-Dx	63.3	---	11.2	mg/kg dry	1x	6K27031	11/27/06 10:42	12/06/06 20:40	Q5
Lube Oil Range Hydrocarbons	"	ND	---	27.9	"	"	"	"	"	
<i>Surrogate(s): 2-FBP</i>				110%	54 - 148 %	"				"
<i>Octacosane</i>				96.9%	62 - 142 %	"				"
<b>BPK0570-06 (GW3@17.5')</b>		<b>Soil</b>			<b>Sampled: 11/16/06 14:50</b>					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	11.1	mg/kg dry	1x	6K27031	11/27/06 10:42	12/06/06 21:06	
Lube Oil Range Hydrocarbons	"	ND	---	27.8	"	"	"	"	"	
<i>Surrogate(s): 2-FBP</i>				104%	54 - 148 %	"				"
<i>Octacosane</i>				91.5%	62 - 142 %	"				"

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*Kate Haney*

Kate Haney, Project Manager

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<b>Cambria - Seattle</b> 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name: <b>Shell - 6808 196th SW, Lynnwood</b> Project Number: 248-1739 Project Manager: Justin Foslien	Report Created: 12/08/06 18:57
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**Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up**  
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
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<b>BPK0570-07 (GW2@12.5')</b>	<b>Soil</b>		<b>Sampled: 11/17/06 08:39</b>							
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	11.0	mg/kg dry	1x	6K27031	11/27/06 10:42	12/06/06 21:32	
Lube Oil Range Hydrocarbons	"	ND	---	27.4	"	"	"	"	"	
Surrogate(s):	2-FBP		106%		54 - 148 %	"				"
	Octacosane		90.7%		62 - 142 %	"				"

<b>BPK0570-08 (GW2@17.5')</b>	<b>Soil</b>		<b>Sampled: 11/17/06 08:50</b>							
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	11.2	mg/kg dry	1x	6K27031	11/27/06 10:42	12/06/06 21:58	
Lube Oil Range Hydrocarbons	"	ND	---	28.1	"	"	"	"	"	
Surrogate(s):	2-FBP		106%		54 - 148 %	"				"
	Octacosane		91.9%		62 - 142 %	"				"

<b>BPK0570-09 (GW4@7.5')</b>	<b>Soil</b>		<b>Sampled: 11/17/06 10:32</b>							
Diesel Range Hydrocarbons	NWTPH-Dx	30.9	---	10.7	mg/kg dry	1x	6K27031	11/27/06 10:42	12/06/06 22:24	Q5
Lube Oil Range Hydrocarbons	"	ND	---	26.8	"	"	"	"	"	
Surrogate(s):	2-FBP		102%		54 - 148 %	"				"
	Octacosane		93.8%		62 - 142 %	"				"

<b>BPK0570-10 (GW4@17.5')</b>	<b>Soil</b>		<b>Sampled: 11/17/06 10:45</b>							
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	11.0	mg/kg dry	1x	6K27031	11/27/06 10:42	12/06/06 22:50	
Lube Oil Range Hydrocarbons	"	ND	---	27.5	"	"	"	"	"	
Surrogate(s):	2-FBP		101%		54 - 148 %	"				"
	Octacosane		89.3%		62 - 142 %	"				"

<b>BPK0570-11 (GW5@7.5')</b>	<b>Soil</b>		<b>Sampled: 11/17/06 12:27</b>							
Diesel Range Hydrocarbons	NWTPH-Dx	62.4	---	10.7	mg/kg dry	1x	6K27031	11/27/06 10:42	12/06/06 23:15	Q5
Lube Oil Range Hydrocarbons	"	ND	---	26.9	"	"	"	"	"	
Surrogate(s):	2-FBP		109%		54 - 148 %	"				"
	Octacosane		96.5%		62 - 142 %	"				"

<b>BPK0570-12 (GW5@17.5')</b>	<b>Soil</b>		<b>Sampled: 11/17/06 12:45</b>							
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	11.0	mg/kg dry	1x	6K27031	11/27/06 10:42	12/06/06 23:41	
Lube Oil Range Hydrocarbons	"	ND	---	27.5	"	"	"	"	"	
Surrogate(s):	2-FBP		103%		54 - 148 %	"				"
	Octacosane		91.4%		62 - 142 %	"				"

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*Kate Haney*

Kate Haney, Project Manager

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<b>Cambria - Seattle</b> 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name: <b>Shell - 6808 196th SW, Lynnwood</b> Project Number: 248-1739 Project Manager: Justin Foslien	Report Created: 12/08/06 18:57
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**Extractable Petroleum Hydrocarbons by WDOE TPH Policy Method**  
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>BPK0570-05 (GW3@7.5')</b>		<b>Soil</b>			<b>Sampled: 11/16/06 14:35</b>					
C8-C10 Aliphatics	WA MTCA-EPH	30.1	---	5.53	mg/kg dry	1x	6K27029	11/27/06 10:39	12/01/06 16:09	
C10-C12 Aliphatics	"	29.4	---	5.53	"	"	"	"	"	
C12-C16 Aliphatics	"	7.95	---	5.53	"	"	"	"	"	
C16-C21 Aliphatics	"	ND	---	5.53	"	"	"	"	"	
C21-C34 Aliphatics	"	ND	---	5.53	"	"	"	"	"	
C8-C10 Aromatics	"	33.8	---	5.53	"	"	"	"	12/01/06 16:41	
C10-C12 Aromatics	"	27.8	---	5.53	"	"	"	"	"	
C12-C16 Aromatics	"	9.73	---	5.53	"	"	"	"	"	
C16-C21 Aromatics	"	ND	---	5.53	"	"	"	"	"	
C21-C34 Aromatics	"	ND	---	5.53	"	"	"	"	"	
<b>Extractable Petroleum Hydrocarbons</b>	"	139	---	55.3	"	"	[CALC]	"	"	
Surrogate(s):	<i>o</i> -Terphenyl		92.4%		60 - 140 %	"			"	
	<i>l</i> -Chlorooctadecane		98.9%		60 - 140 %	"			12/01/06 16:09	

<b>BPK0570-06 (GW3@17.5')</b>		<b>Soil</b>			<b>Sampled: 11/16/06 14:50</b>					
C8-C10 Aliphatics	WA MTCA-EPH	ND	---	5.56	mg/kg dry	1x	6K27029	11/27/06 10:39	12/01/06 19:18	
C10-C12 Aliphatics	"	ND	---	5.56	"	"	"	"	"	
C12-C16 Aliphatics	"	ND	---	5.56	"	"	"	"	"	
C16-C21 Aliphatics	"	ND	---	5.56	"	"	"	"	"	
C21-C34 Aliphatics	"	ND	---	5.56	"	"	"	"	"	
C8-C10 Aromatics	"	ND	---	5.56	"	"	"	"	12/01/06 19:49	
C10-C12 Aromatics	"	ND	---	5.56	"	"	"	"	"	
C12-C16 Aromatics	"	ND	---	5.56	"	"	"	"	"	
C16-C21 Aromatics	"	ND	---	5.56	"	"	"	"	"	
C21-C34 Aromatics	"	ND	---	5.56	"	"	"	"	"	
<b>Extractable Petroleum Hydrocarbons</b>	"	ND	---	55.6	"	"	[CALC]	"	"	
Surrogate(s):	<i>o</i> -Terphenyl		91.9%		60 - 140 %	"			"	
	<i>l</i> -Chlorooctadecane		103%		60 - 140 %	"			12/01/06 19:18	

<b>BPK0570-09 (GW4@7.5')</b>		<b>Soil</b>			<b>Sampled: 11/17/06 10:32</b>					
C8-C10 Aliphatics	WA MTCA-EPH	ND	---	5.35	mg/kg dry	1x	6K27029	11/27/06 10:39	12/01/06 20:21	
C10-C12 Aliphatics	"	11.3	---	5.35	"	"	"	"	"	
C12-C16 Aliphatics	"	ND	---	5.35	"	"	"	"	"	
C16-C21 Aliphatics	"	ND	---	5.35	"	"	"	"	"	
C21-C34 Aliphatics	"	ND	---	5.35	"	"	"	"	"	
C8-C10 Aromatics	"	ND	---	5.35	"	"	"	"	12/01/06 20:53	
C10-C12 Aromatics	"	19.4	---	5.35	"	"	"	"	"	
C12-C16 Aromatics	"	11.1	---	5.35	"	"	"	"	"	

TestAmerica - Seattle, WA

*Kate Haney*

Kate Haney, Project Manager

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**Cambria - Seattle**  
 8620 Holly Drive, Suite 210  
 Everett, WA 98208

Project Name: **Shell - 6808 196th SW, Lynnwood**  
 Project Number: 248-1739  
 Project Manager: Justin Foslien

Report Created:  
 12/08/06 18:57

**Extractable Petroleum Hydrocarbons by WDOE TPH Policy Method**  
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
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**BPK0570-09 (GW4@7.5')**

**Soil** Sampled: 11/17/06 10:32

C16-C21 Aromatics	WA MTCA-EPH	ND	---	5.35	mg/kg dry	1x	6K27029	11/27/06 10:39	12/01/06 20:53	
C21-C34 Aromatics	"	ND	---	5.35	"	"	"	"	"	
Extractable Petroleum Hydrocarbons	"	ND	---	53.5	"	"	[CALC]	"	"	
Surrogate(s):	<i>o</i> -Terphenyl			93.3%	60 - 140 %	"				"
	<i>1</i> -Chlorooctadecane			102%	60 - 140 %	"				12/01/06 20:21

**BPK0570-10 (GW4@17.5')**

**Soil** Sampled: 11/17/06 10:45

C8-C10 Aliphatics	WA MTCA-EPH	ND	---	5.52	mg/kg dry	1x	6K27029	11/27/06 10:39	12/01/06 21:24	
C10-C12 Aliphatics	"	ND	---	5.52	"	"	"	"	"	
C12-C16 Aliphatics	"	ND	---	5.52	"	"	"	"	"	
C16-C21 Aliphatics	"	ND	---	5.52	"	"	"	"	"	
C21-C34 Aliphatics	"	ND	---	5.52	"	"	"	"	"	
C8-C10 Aromatics	"	ND	---	5.52	"	"	"	"	12/01/06 21:55	
C10-C12 Aromatics	"	ND	---	5.52	"	"	"	"	"	
C12-C16 Aromatics	"	ND	---	5.52	"	"	"	"	"	
C16-C21 Aromatics	"	ND	---	5.52	"	"	"	"	"	
C21-C34 Aromatics	"	ND	---	5.52	"	"	"	"	"	
Extractable Petroleum Hydrocarbons	"	ND	---	55.2	"	"	[CALC]	"	"	
Surrogate(s):	<i>o</i> -Terphenyl			91.8%	60 - 140 %	"				"
	<i>1</i> -Chlorooctadecane			101%	60 - 140 %	"				12/01/06 21:24

**BPK0570-11 (GW5@7.5')**

**Soil** Sampled: 11/17/06 12:27

C8-C10 Aliphatics	WA MTCA-EPH	ND	---	5.41	mg/kg dry	1x	6K27029	11/27/06 10:39	12/01/06 22:27	
C10-C12 Aliphatics	"	14.6	---	5.41	"	"	"	"	"	
C12-C16 Aliphatics	"	9.56	---	5.41	"	"	"	"	"	
C16-C21 Aliphatics	"	ND	---	5.41	"	"	"	"	"	
C21-C34 Aliphatics	"	ND	---	5.41	"	"	"	"	"	
C8-C10 Aromatics	"	ND	---	5.41	"	"	"	"	12/01/06 22:58	
C10-C12 Aromatics	"	23.5	---	5.41	"	"	"	"	"	
C12-C16 Aromatics	"	16.2	---	5.41	"	"	"	"	"	
C16-C21 Aromatics	"	ND	---	5.41	"	"	"	"	"	
C21-C34 Aromatics	"	ND	---	5.41	"	"	"	"	"	
Extractable Petroleum Hydrocarbons	"	63.9	---	54.1	"	"	[CALC]	"	"	
Surrogate(s):	<i>o</i> -Terphenyl			96.7%	60 - 140 %	"				"
	<i>1</i> -Chlorooctadecane			104%	60 - 140 %	"				12/01/06 22:27

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*Kate Haney*

Kate Haney, Project Manager

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<b>Cambria - Seattle</b> 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name: <b>Shell - 6808 196th SW, Lynnwood</b> Project Number: 248-1739 Project Manager: Justin Foslien	Report Created: 12/08/06 18:57
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**Extractable Petroleum Hydrocarbons by WDOE TPH Policy Method**  
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>BPK0570-12 (GW5@17.5')</b>										
		<b>Soil</b>						<b>Sampled: 11/17/06 12:45</b>		
C8-C10 Aliphatics	WA MTCA-EPH	ND	---	5.54	mg/kg dry	1x	6K27029	11/27/06 10:39	12/05/06 17:34	
C10-C12 Aliphatics	"	ND	---	5.54	"	"	"	"	"	
C12-C16 Aliphatics	"	ND	---	5.54	"	"	"	"	"	
C16-C21 Aliphatics	"	ND	---	5.54	"	"	"	"	"	
C21-C34 Aliphatics	"	ND	---	5.54	"	"	"	"	"	
C8-C10 Aromatics	"	ND	---	5.54	"	"	"	"	12/04/06 13:26	
C10-C12 Aromatics	"	ND	---	5.54	"	"	"	"	"	
C12-C16 Aromatics	"	ND	---	5.54	"	"	"	"	"	
C16-C21 Aromatics	"	ND	---	5.54	"	"	"	"	"	
C21-C34 Aromatics	"	ND	---	5.54	"	"	"	"	"	
Extractable Petroleum Hydrocarbons	"	ND	---	55.4	"	"	[CALC]	"	12/05/06 17:34	
<i>Surrogate(s):</i>	<i>o-Terphenyl</i>			101%		60 - 140 %	"		12/04/06 13:26	
	<i>1-Chlorooctadecane</i>			87.6%		60 - 140 %	"		12/05/06 17:34	

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*Kate Haney*

Kate Haney, Project Manager

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<b>Cambria - Seattle</b> 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name: <b>Shell - 6808 196th SW, Lynnwood</b> Project Number: 248-1739 Project Manager: Justin Foslien	Report Created: 12/08/06 18:57
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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
<b>BPK0570-01 (GW1@27.5')</b>		<b>Soil</b>			<b>Sampled: 11/16/06 10:30</b>					
Lead	EPA 6020	0.962	---	0.543	mg/kg dry	1x	6K30060	11/30/06 17:12	12/01/06 11:38	
<b>BPK0570-02 (GW1@17.5')</b>		<b>Soil</b>			<b>Sampled: 11/16/06 10:03</b>					
Lead	EPA 6020	1.48	---	0.539	mg/kg dry	1x	6K30060	11/30/06 17:12	12/01/06 12:25	
<b>BPK0570-03 (SB1@12.5')</b>		<b>Soil</b>			<b>Sampled: 11/16/06 13:20</b>					
Lead	EPA 6020	2.06	---	0.550	mg/kg dry	1x	6K30060	11/30/06 17:12	12/01/06 12:31	
<b>BPK0570-04 (SB1@7.5')</b>		<b>Soil</b>			<b>Sampled: 11/16/06 13:15</b>					
Lead	EPA 6020	1.71	---	0.440	mg/kg dry	1x	6K30060	11/30/06 17:12	12/01/06 12:37	
<b>BPK0570-05 (GW3@7.5')</b>		<b>Soil</b>			<b>Sampled: 11/16/06 14:35</b>					
Lead	EPA 6020	6.69	---	0.431	mg/kg dry	1x	6K30060	11/30/06 17:12	12/01/06 12:43	
<b>BPK0570-06 (GW3@17.5')</b>		<b>Soil</b>			<b>Sampled: 11/16/06 14:50</b>					
Lead	EPA 6020	1.55	---	0.545	mg/kg dry	1x	6K30060	11/30/06 17:12	12/01/06 12:49	
<b>BPK0570-07 (GW2@12.5')</b>		<b>Soil</b>			<b>Sampled: 11/17/06 08:39</b>					
Lead	EPA 6020	1.60	---	0.477	mg/kg dry	1x	6K30060	11/30/06 17:12	12/01/06 12:55	
<b>BPK0570-08 (GW2@17.5')</b>		<b>Soil</b>			<b>Sampled: 11/17/06 08:50</b>					
Lead	EPA 6020	1.40	---	0.569	mg/kg dry	1x	6K30060	11/30/06 17:12	12/01/06 13:42	
<b>BPK0570-09 (GW4@7.5')</b>		<b>Soil</b>			<b>Sampled: 11/17/06 10:32</b>					
Lead	EPA 6020	2.35	---	0.532	mg/kg dry	1x	6K30060	11/30/06 17:12	12/01/06 13:48	
<b>BPK0570-10 (GW4@17.5')</b>		<b>Soil</b>			<b>Sampled: 11/17/06 10:45</b>					
Lead	EPA 6020	1.58	---	0.509	mg/kg dry	1x	6K30060	11/30/06 17:12	12/01/06 13:54	
<b>BPK0570-11 (GW5@7.5')</b>		<b>Soil</b>			<b>Sampled: 11/17/06 12:27</b>					
Lead	EPA 6020	4.64	---	0.516	mg/kg dry	1x	6K30060	11/30/06 17:12	12/01/06 14:00	

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*Kate Haney*

Kate Haney, Project Manager

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<b>Cambria - Seattle</b> 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name: <b>Shell - 6808 196th SW, Lynnwood</b> Project Number: 248-1739 Project Manager: Justin Foslien	Report Created: 12/08/06 18:57
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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
<b>BPK0570-12</b>	<b>(GW5@17.5')</b>									
			<b>Soil</b>					<b>Sampled: 11/17/06 12:45</b>		
<b>Lead</b>	EPA 6020	<b>1.33</b>	—	0.477	mg/kg dry	1x	6K30060	11/30/06 17:12	12/01/06 14:05	

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*Kate Haney*

Kate Haney, Project Manager

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**Cambria - Seattle**  
 8620 Holly Drive, Suite 210  
 Everett, WA 98208

Project Name: **Shell - 6808 196th SW, Lynnwood**  
 Project Number: 248-1739  
 Project Manager: Justin Foslien

Report Created:  
 12/08/06 18:57

**Polychlorinated Biphenyls by EPA Method 8082**  
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
---------	--------	--------	------	-----	-------	-----	-------	----------	----------	-------

BPK0570-01 (GW1@27.5')		Soil		Sampled: 11/16/06 10:30						
Aroclor 1016 [2C]	EPA 8082	ND	---	26.4	ug/kg dry	1x	6K27027	11/27/06 10:36	11/30/06 00:01	
Aroclor 1221	"	ND	---	52.9	"	"	"	"	"	
Aroclor 1232	"	ND	---	26.4	"	"	"	"	"	
Aroclor 1242	"	ND	---	26.4	"	"	"	"	"	
Aroclor 1248	"	ND	---	26.4	"	"	"	"	"	
Aroclor 1254	"	ND	---	26.4	"	"	"	"	"	
Aroclor 1260 [2C]	"	ND	---	26.4	"	"	"	"	"	
Aroclor 1262	"	ND	---	26.4	"	"	"	"	"	
Aroclor 1268	"	ND	---	26.4	"	"	"	"	"	
Surrogate(s): TCX [2C]			99.0%		39 - 139 %	"				"
Decachlorobiphenyl [2C]			82.0%		33 - 163 %	"				"

BPK0570-02 (GW1@17.5')		Soil		Sampled: 11/16/06 10:03						
Aroclor 1016 [2C]	EPA 8082	ND	---	27.1	ug/kg dry	1x	6K27027	11/27/06 10:36	11/30/06 00:19	
Aroclor 1221	"	ND	---	54.1	"	"	"	"	"	
Aroclor 1232	"	ND	---	27.1	"	"	"	"	"	
Aroclor 1242	"	ND	---	27.1	"	"	"	"	"	
Aroclor 1248	"	ND	---	27.1	"	"	"	"	"	
Aroclor 1254	"	ND	---	27.1	"	"	"	"	"	
Aroclor 1260 [2C]	"	ND	---	27.1	"	"	"	"	"	
Aroclor 1262	"	ND	---	27.1	"	"	"	"	"	
Aroclor 1268	"	ND	---	27.1	"	"	"	"	"	
Surrogate(s): TCX [2C]			99.0%		39 - 139 %	"				"
Decachlorobiphenyl [2C]			90.2%		33 - 163 %	"				"

BPK0570-03 (SB1@12.5')		Soil		Sampled: 11/16/06 13:20						
Aroclor 1016 [2C]	EPA 8082	ND	---	28.8	ug/kg dry	1x	6K27027	11/27/06 10:36	11/30/06 00:37	
Aroclor 1221	"	ND	---	57.5	"	"	"	"	"	
Aroclor 1232	"	ND	---	28.8	"	"	"	"	"	
Aroclor 1242	"	ND	---	28.8	"	"	"	"	"	
Aroclor 1248	"	ND	---	28.8	"	"	"	"	"	
Aroclor 1254	"	ND	---	28.8	"	"	"	"	"	
Aroclor 1260 [2C]	"	ND	---	28.8	"	"	"	"	"	
Aroclor 1262	"	ND	---	28.8	"	"	"	"	"	
Aroclor 1268	"	ND	---	28.8	"	"	"	"	"	
Surrogate(s): TCX [2C]			104%		39 - 139 %	"				"
Decachlorobiphenyl [2C]			94.7%		33 - 163 %	"				"

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*Kate Haney*

Kate Haney, Project Manager

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<b>Cambria - Seattle</b> 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name: <b>Shell - 6808 196th SW, Lynnwood</b> Project Number: 248-1739 Project Manager: Justin Foslien	Report Created: 12/08/06 18:57
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**Polychlorinated Biphenyls by EPA Method 8082**  
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>BPK0570-04 (SB1@7.5')</b>		<b>Soil</b>					<b>Sampled: 11/16/06 13:15</b>			
Aroclor 1016 [2C]	EPA 8082	ND	----	27.0	ug/kg dry	1x	6K27027	11/27/06 10:36	11/30/06 00:56	
Aroclor 1221	"	ND	----	54.0	"	"	"	"	"	
Aroclor 1232	"	ND	----	27.0	"	"	"	"	"	
Aroclor 1242	"	ND	----	27.0	"	"	"	"	"	
Aroclor 1248	"	ND	----	27.0	"	"	"	"	"	
Aroclor 1254	"	ND	----	27.0	"	"	"	"	"	
Aroclor 1260 [2C]	"	ND	----	27.0	"	"	"	"	"	
Aroclor 1262	"	ND	----	27.0	"	"	"	"	"	
Aroclor 1268	"	ND	----	27.0	"	"	"	"	"	
<i>Surrogate(s): TCX [2C]</i>			101%		39 - 139 %	"				"
<i>Decachlorobiphenyl [2C]</i>			93.2%		33 - 163 %	"				"

<b>BPK0570-05 (GW3@7.5')</b>		<b>Soil</b>					<b>Sampled: 11/16/06 14:35</b>			
Aroclor 1016 [2C]	EPA 8082	ND	----	28.0	ug/kg dry	1x	6K27027	11/27/06 10:36	11/30/06 01:14	
Aroclor 1221	"	ND	----	56.1	"	"	"	"	"	
Aroclor 1232	"	ND	----	28.0	"	"	"	"	"	
Aroclor 1242	"	ND	----	28.0	"	"	"	"	"	
Aroclor 1248	"	ND	----	28.0	"	"	"	"	"	
Aroclor 1254	"	ND	----	28.0	"	"	"	"	"	
Aroclor 1260 [2C]	"	ND	----	28.0	"	"	"	"	"	
Aroclor 1262	"	ND	----	28.0	"	"	"	"	"	
Aroclor 1268	"	ND	----	28.0	"	"	"	"	"	
<i>Surrogate(s): TCX [2C]</i>			91.2%		39 - 139 %	"				"
<i>Decachlorobiphenyl [2C]</i>			88.0%		33 - 163 %	"				"

<b>BPK0570-06 (GW3@17.5')</b>		<b>Soil</b>					<b>Sampled: 11/16/06 14:50</b>			
Aroclor 1016 [2C]	EPA 8082	ND	----	27.7	ug/kg dry	1x	6K27027	11/27/06 10:36	11/30/06 01:32	
Aroclor 1221	"	ND	----	55.4	"	"	"	"	"	
Aroclor 1232	"	ND	----	27.7	"	"	"	"	"	
Aroclor 1242 [2C]	"	109	----	27.7	"	"	"	"	"	
Aroclor 1248	"	ND	----	27.7	"	"	"	"	"	
Aroclor 1254	"	ND	----	27.7	"	"	"	"	"	
Aroclor 1260 [2C]	"	ND	----	27.7	"	"	"	"	"	
Aroclor 1262	"	ND	----	27.7	"	"	"	"	"	
Aroclor 1268	"	ND	----	27.7	"	"	"	"	"	
<i>Surrogate(s): TCX [2C]</i>			102%		39 - 139 %	"				"
<i>Decachlorobiphenyl [2C]</i>			96.5%		33 - 163 %	"				"

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*Kate Haney*

Kate Haney, Project Manager

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**Cambria - Seattle**

8620 Holly Drive, Suite 210  
 Everett, WA 98208

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

Project Number: 248-1739

Project Manager: Justin Foslien

Report Created:

12/08/06 18:57

**Polychlorinated Biphenyls by EPA Method 8082**

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>BPK0570-07 (GW2@12.5')</b>		<b>Soil</b>		<b>Sampled: 11/17/06 08:39</b>						
Aroclor 1016 [2C]	EPA 8082	ND	---	27.3	ug/kg dry	1x	6K27027	11/27/06 10:36	11/30/06 01:50	
Aroclor 1221	"	ND	---	54.6	"	"	"	"	"	
Aroclor 1232	"	ND	---	27.3	"	"	"	"	"	
Aroclor 1242	"	ND	---	27.3	"	"	"	"	"	
Aroclor 1248	"	ND	---	27.3	"	"	"	"	"	
Aroclor 1254	"	ND	---	27.3	"	"	"	"	"	
Aroclor 1260 [2C]	"	ND	---	27.3	"	"	"	"	"	
Aroclor 1262	"	ND	---	27.3	"	"	"	"	"	
Aroclor 1268	"	ND	---	27.3	"	"	"	"	"	
<i>Surrogate(s): TCX [2C]</i>			98.5%		39 - 139 %	"				"
<i>Decachlorobiphenyl [2C]</i>			98.2%		33 - 163 %	"				"

<b>BPK0570-08 (GW2@17.5')</b>		<b>Soil</b>		<b>Sampled: 11/17/06 08:50</b>						
Aroclor 1016 [2C]	EPA 8082	ND	---	28.2	ug/kg dry	1x	6K27027	11/27/06 10:36	11/30/06 02:08	
Aroclor 1221	"	ND	---	56.3	"	"	"	"	"	
Aroclor 1232	"	ND	---	28.2	"	"	"	"	"	
Aroclor 1242	"	ND	---	28.2	"	"	"	"	"	
Aroclor 1248	"	ND	---	28.2	"	"	"	"	"	
Aroclor 1254	"	ND	---	28.2	"	"	"	"	"	
Aroclor 1260 [2C]	"	ND	---	28.2	"	"	"	"	"	
Aroclor 1262	"	ND	---	28.2	"	"	"	"	"	
Aroclor 1268	"	ND	---	28.2	"	"	"	"	"	
<i>Surrogate(s): TCX [2C]</i>			97.2%		39 - 139 %	"				"
<i>Decachlorobiphenyl [2C]</i>			97.5%		33 - 163 %	"				"

<b>BPK0570-09 (GW4@7.5')</b>		<b>Soil</b>		<b>Sampled: 11/17/06 10:32</b>						
Aroclor 1016 [2C]	EPA 8082	ND	---	26.9	ug/kg dry	1x	6K27027	11/27/06 10:36	11/30/06 02:27	
Aroclor 1221	"	ND	---	53.7	"	"	"	"	"	
Aroclor 1232	"	ND	---	26.9	"	"	"	"	"	
Aroclor 1242	"	ND	---	26.9	"	"	"	"	"	
Aroclor 1248	"	ND	---	26.9	"	"	"	"	"	
Aroclor 1254	"	ND	---	26.9	"	"	"	"	"	
Aroclor 1260 [2C]	"	ND	---	26.9	"	"	"	"	"	
Aroclor 1262	"	ND	---	26.9	"	"	"	"	"	
Aroclor 1268	"	ND	---	26.9	"	"	"	"	"	
<i>Surrogate(s): TCX [2C]</i>			95.3%		39 - 139 %	"				"
<i>Decachlorobiphenyl [2C]</i>			96.5%		33 - 163 %	"				"

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*Kate Haney*

Kate Haney, Project Manager

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<b>Cambria - Seattle</b> 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name: <b>Shell - 6808 196th SW, Lynnwood</b> Project Number: 248-1739 Project Manager: Justin Foslien	Report Created: 12/08/06 18:57
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**Polychlorinated Biphenyls by EPA Method 8082**  
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>BPK0570-10 (GW4@17.5')</b>		<b>Soil</b>			<b>Sampled: 11/17/06 10:45</b>					
Aroclor 1016 [2C]	EPA 8082	ND	---	27.6	ug/kg dry	1x	6K27027	11/27/06 10:36	11/30/06 02:45	
Aroclor 1221	"	ND	---	55.2	"	"	"	"	"	
Aroclor 1232	"	ND	---	27.6	"	"	"	"	"	
Aroclor 1242	"	ND	---	27.6	"	"	"	"	"	
Aroclor 1248	"	ND	---	27.6	"	"	"	"	"	
Aroclor 1254	"	ND	---	27.6	"	"	"	"	"	
Aroclor 1260 [2C]	"	ND	---	27.6	"	"	"	"	"	
Aroclor 1262	"	ND	---	27.6	"	"	"	"	"	
Aroclor 1268	"	ND	---	27.6	"	"	"	"	"	
Surrogate(s):	TCX [2C]		98.8%		39 - 139 %	"				"
	Decachlorobiphenyl [2C]		99.3%		33 - 163 %	"				"

<b>BPK0570-11 (GW5@7.5')</b>		<b>Soil</b>			<b>Sampled: 11/17/06 12:27</b>					
Aroclor 1016 [2C]	EPA 8082	ND	---	26.9	ug/kg dry	1x	6K27027	11/27/06 10:36	11/30/06 03:03	
Aroclor 1221	"	ND	---	53.7	"	"	"	"	"	
Aroclor 1232	"	ND	---	26.9	"	"	"	"	"	
Aroclor 1242	"	ND	---	26.9	"	"	"	"	"	
Aroclor 1248	"	ND	---	26.9	"	"	"	"	"	
Aroclor 1254	"	ND	---	26.9	"	"	"	"	"	
Aroclor 1260 [2C]	"	ND	---	26.9	"	"	"	"	"	
Aroclor 1262	"	ND	---	26.9	"	"	"	"	"	
Aroclor 1268	"	ND	---	26.9	"	"	"	"	"	
Surrogate(s):	TCX [2C]		86.8%		39 - 139 %	"				"
	Decachlorobiphenyl [2C]		90.5%		33 - 163 %	"				"

<b>BPK0570-12 (GW5@17.5')</b>		<b>Soil</b>			<b>Sampled: 11/17/06 12:45</b>					
Aroclor 1016 [2C]	EPA 8082	ND	---	27.5	ug/kg dry	1x	6K27027	11/27/06 10:36	11/30/06 03:21	
Aroclor 1221	"	ND	---	55.0	"	"	"	"	"	
Aroclor 1232	"	ND	---	27.5	"	"	"	"	"	
Aroclor 1242	"	ND	---	27.5	"	"	"	"	"	
Aroclor 1248	"	ND	---	27.5	"	"	"	"	"	
Aroclor 1254	"	ND	---	27.5	"	"	"	"	"	
Aroclor 1260 [2C]	"	ND	---	27.5	"	"	"	"	"	
Aroclor 1262	"	ND	---	27.5	"	"	"	"	"	
Aroclor 1268	"	ND	---	27.5	"	"	"	"	"	
Surrogate(s):	TCX [2C]		98.1%		39 - 139 %	"				"
	Decachlorobiphenyl [2C]		96.2%		33 - 163 %	"				"

TestAmerica - Seattle, WA  
  
 Kate Haney, Project Manager

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<b>Cambria - Seattle</b> 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name: <b>Shell - 6808 196th SW, Lynnwood</b> Project Number: 248-1739 Project Manager: Justin Foslien	Report Created: 12/08/06 18:57
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**Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring**  
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>BPK0570-01 (GW1@27.5')</b>		<b>Soil</b>			<b>Sampled: 11/16/06 10:30</b>					
Acenaphthene	8270C-SIM	ND	---	0.0106	mg/kg dry	1x	6K27029	11/27/06 10:39	12/01/06 19:33	
Acenaphthylene	"	ND	---	0.0106	"	"	"	"	"	
Anthracene	"	ND	---	0.0106	"	"	"	"	"	
Benzo (a) anthracene	"	ND	---	0.0106	"	"	"	"	"	
Benzo (a) pyrene	"	ND	---	0.0106	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	---	0.0106	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	---	0.0106	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	---	0.0106	"	"	"	"	"	
Chrysene	"	ND	---	0.0106	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	---	0.0106	"	"	"	"	"	
Fluoranthene	"	ND	---	0.0106	"	"	"	"	"	
Fluorene	"	ND	---	0.0106	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	0.0106	"	"	"	"	"	
1-Methylnaphthalene	"	ND	---	0.0106	"	"	"	"	"	
2-Methylnaphthalene	"	ND	---	0.0106	"	"	"	"	"	
Naphthalene	"	ND	---	0.0106	"	"	"	"	"	
Phenanthrene	"	ND	---	0.0106	"	"	"	"	"	
Pyrene	"	ND	---	0.0106	"	"	"	"	"	
<i>Surrogate(s): p-Terphenyl-d14</i>			99.1%		50 - 147 %	"				"

<b>BPK0570-02 (GW1@17.5')</b>		<b>Soil</b>			<b>Sampled: 11/16/06 10:03</b>					
Acenaphthene	8270C-SIM	ND	---	0.0108	mg/kg dry	1x	6K27029	11/27/06 10:39	12/01/06 19:59	
Acenaphthylene	"	ND	---	0.0108	"	"	"	"	"	
Anthracene	"	ND	---	0.0108	"	"	"	"	"	
Benzo (a) anthracene	"	ND	---	0.0108	"	"	"	"	"	
Benzo (a) pyrene	"	ND	---	0.0108	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	---	0.0108	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	---	0.0108	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	---	0.0108	"	"	"	"	"	
Chrysene	"	ND	---	0.0108	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	---	0.0108	"	"	"	"	"	
Fluoranthene	"	ND	---	0.0108	"	"	"	"	"	
Fluorene	"	ND	---	0.0108	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	0.0108	"	"	"	"	"	
1-Methylnaphthalene	"	ND	---	0.0108	"	"	"	"	"	
2-Methylnaphthalene	"	ND	---	0.0108	"	"	"	"	"	
Naphthalene	"	ND	---	0.0108	"	"	"	"	"	
Phenanthrene	"	ND	---	0.0108	"	"	"	"	"	
Pyrene	"	ND	---	0.0108	"	"	"	"	"	
<i>Surrogate(s): p-Terphenyl-d14</i>			99.1%		50 - 147 %	"				"

TestAmerica - Seattle, WA

*Kate Haney*

Kate Haney, Project Manager

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<b>Cambria - Seattle</b> 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name: <b>Shell - 6808 196th SW, Lynnwood</b> Project Number: 248-1739 Project Manager: Justin Foslien	Report Created: 12/08/06 18:57
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**Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring**  
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>BPK0570-03 (SB1@12.5')</b>		<b>Soil</b>			<b>Sampled: 11/16/06 13:20</b>					
Acenaphthene	8270C-SIM	ND	---	0.0115	mg/kg dry	1x	6K27029	11/27/06 10:39	12/01/06 20:24	
Acenaphthylene	"	ND	---	0.0115	"	"	"	"	"	
Anthracene	"	ND	---	0.0115	"	"	"	"	"	
Benzo (a) anthracene	"	ND	---	0.0115	"	"	"	"	"	
Benzo (a) pyrene	"	ND	---	0.0115	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	---	0.0115	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	---	0.0115	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	---	0.0115	"	"	"	"	"	
Chrysene	"	ND	---	0.0115	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	---	0.0115	"	"	"	"	"	
Fluoranthene	"	ND	---	0.0115	"	"	"	"	"	
Fluorene	"	ND	---	0.0115	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	0.0115	"	"	"	"	"	
1-Methylnaphthalene	"	ND	---	0.0115	"	"	"	"	"	
2-Methylnaphthalene	"	ND	---	0.0115	"	"	"	"	"	
<b>Naphthalene</b>	"	<b>0.0152</b>	---	0.0115	"	"	"	"	"	
Phenanthrene	"	ND	---	0.0115	"	"	"	"	"	
Pyrene	"	ND	---	0.0115	"	"	"	"	"	
Surrogate(s): <i>p-Terphenyl-d14</i>			101%		50 - 147 %	"				

<b>BPK0570-04 (SB1@7.5')</b>		<b>Soil</b>			<b>Sampled: 11/16/06 13:15</b>					
Acenaphthene	8270C-SIM	ND	---	0.0108	mg/kg dry	1x	6K27029	11/27/06 10:39	12/01/06 20:49	
Acenaphthylene	"	ND	---	0.0108	"	"	"	"	"	
Anthracene	"	ND	---	0.0108	"	"	"	"	"	
Benzo (a) anthracene	"	ND	---	0.0108	"	"	"	"	"	
Benzo (a) pyrene	"	ND	---	0.0108	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	---	0.0108	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	---	0.0108	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	---	0.0108	"	"	"	"	"	
Chrysene	"	ND	---	0.0108	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	---	0.0108	"	"	"	"	"	
Fluoranthene	"	ND	---	0.0108	"	"	"	"	"	
Fluorene	"	ND	---	0.0108	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	0.0108	"	"	"	"	"	
1-Methylnaphthalene	"	<b>0.0177</b>	---	0.0108	"	"	"	"	"	
2-Methylnaphthalene	"	<b>0.0464</b>	---	0.0108	"	"	"	"	"	
<b>Naphthalene</b>	"	<b>0.0497</b>	---	0.0108	"	"	"	"	"	
Phenanthrene	"	ND	---	0.0108	"	"	"	"	"	
Pyrene	"	ND	---	0.0108	"	"	"	"	"	
Surrogate(s): <i>p-Terphenyl-d14</i>			102%		50 - 147 %	"				

TestAmerica - Seattle, WA

*Kate Haney*

Kate Haney, Project Manager

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**Cambria - Seattle**  
 8620 Holly Drive, Suite 210  
 Everett, WA 98208

Project Name: **Shell - 6808 196th SW, Lynnwood**  
 Project Number: 248-1739  
 Project Manager: Justin Foslien

Report Created:  
 12/08/06 18:57

**Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring**  
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>BPK0570-05 (GW3@7.5')</b>		<b>Soil</b>		<b>Sampled: 11/16/06 14:35</b>						
Acenaphthene	8270C-SIM	ND	---	0.0111	mg/kg dry	1x	6K27029	11/27/06 10:39	12/01/06 21:15	
Acenaphthylene	"	ND	---	0.0111	"	"	"	"	"	
Anthracene	"	ND	---	0.0111	"	"	"	"	"	
Benzo (a) anthracene	"	ND	---	0.0111	"	"	"	"	"	
Benzo (a) pyrene	"	ND	---	0.0111	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	---	0.0111	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	---	0.0111	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	---	0.0111	"	"	"	"	"	
Chrysene	"	ND	---	0.0111	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	---	0.0111	"	"	"	"	"	
Fluoranthene	"	ND	---	0.0111	"	"	"	"	"	
Fluorene	"	ND	---	0.0111	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	0.0111	"	"	"	"	"	
1-Methylnaphthalene	"	0.671	---	0.0111	"	"	"	"	"	
Phenanthrene	"	ND	---	0.0111	"	"	"	"	"	
Pyrene	"	ND	---	0.0111	"	"	"	"	"	

Surrogate(s): *p-Terphenyl-d14*

97.3%

50 - 147%

<b>BPK0570-05RE1 (GW3@7.5')</b>		<b>Soil</b>		<b>Sampled: 11/16/06 14:35</b>						
2-Methylnaphthalene	8270C-SIM	1.79	---	0.111	mg/kg dry	10x	6K27029	11/27/06 10:39	12/02/06 13:27	
Naphthalene	"	3.40	---	0.111	"	"	"	"	"	

Surrogate(s): *p-Terphenyl-d14*

93.7%

50 - 147%

<b>BPK0570-06 (GW3@17.5')</b>		<b>Soil</b>		<b>Sampled: 11/16/06 14:50</b>						
Acenaphthene	8270C-SIM	ND	---	0.0111	mg/kg dry	1x	6K27029	11/27/06 10:39	12/01/06 21:40	
Acenaphthylene	"	ND	---	0.0111	"	"	"	"	"	
Anthracene	"	ND	---	0.0111	"	"	"	"	"	
Benzo (a) anthracene	"	ND	---	0.0111	"	"	"	"	"	
Benzo (a) pyrene	"	ND	---	0.0111	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	---	0.0111	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	---	0.0111	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	---	0.0111	"	"	"	"	"	
Chrysene	"	ND	---	0.0111	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	---	0.0111	"	"	"	"	"	
Fluoranthene	"	ND	---	0.0111	"	"	"	"	"	
Fluorene	"	ND	---	0.0111	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	0.0111	"	"	"	"	"	
1-Methylnaphthalene	"	ND	---	0.0111	"	"	"	"	"	
2-Methylnaphthalene	"	ND	---	0.0111	"	"	"	"	"	
Naphthalene	"	ND	---	0.0111	"	"	"	"	"	
Phenanthrene	"	ND	---	0.0111	"	"	"	"	"	

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*Kate Haney*

Kate Haney, Project Manager



<b>Cambria - Seattle</b> 8620 Holly Drive, Suite 210 Everett, WA 98208	<b>Project Name:</b> Shell - 6808 196th SW, Lynnwood <b>Project Number:</b> 248-1739 <b>Project Manager:</b> Justin Foslien	<b>Report Created:</b> 12/08/06 18:57
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**Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring**  
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
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<b>BPK0570-06 (GW3@17.5')</b>		<b>Soil</b>		<b>Sampled: 11/16/06 14:50</b>						
Pyrene	8270C-SIM	ND	---	0.0111	mg/kg dry	1x	6K27029	11/27/06 10:39	12/01/06 21:40	
<i>Surrogate(s): p-Terphenyl-d14</i>			104%		50 - 147 %	"				"

<b>BPK0570-07 (GW2@12.5')</b>		<b>Soil</b>		<b>Sampled: 11/17/06 08:39</b>						
Acenaphthene	8270C-SIM	ND	---	0.0111	mg/kg dry	1x	6K27029	11/27/06 10:39	12/01/06 22:05	
Acenaphthylene	"	ND	---	0.0111	"	"	"	"	"	"
Anthracene	"	ND	---	0.0111	"	"	"	"	"	"
Benzo (a) anthracene	"	ND	---	0.0111	"	"	"	"	"	"
Benzo (a) pyrene	"	ND	---	0.0111	"	"	"	"	"	"
Benzo (b) fluoranthene	"	ND	---	0.0111	"	"	"	"	"	"
Benzo (k) fluoranthene	"	ND	---	0.0111	"	"	"	"	"	"
Benzo (ghi) perylene	"	ND	---	0.0111	"	"	"	"	"	"
Chrysene	"	ND	---	0.0111	"	"	"	"	"	"
Dibenz (a,h) anthracene	"	ND	---	0.0111	"	"	"	"	"	"
Fluoranthene	"	ND	---	0.0111	"	"	"	"	"	"
Fluorene	"	ND	---	0.0111	"	"	"	"	"	"
Indeno (1,2,3-cd) pyrene	"	ND	---	0.0111	"	"	"	"	"	"
1-Methylnaphthalene	"	ND	---	0.0111	"	"	"	"	"	"
2-Methylnaphthalene	"	ND	---	0.0111	"	"	"	"	"	"
Naphthalene	"	ND	---	0.0111	"	"	"	"	"	"
Phenanthrene	"	ND	---	0.0111	"	"	"	"	"	"
Pyrene	"	ND	---	0.0111	"	"	"	"	"	"
<i>Surrogate(s): p-Terphenyl-d14</i>			99.1%		50 - 147 %	"				"

<b>BPK0570-08 (GW2@17.5')</b>		<b>Soil</b>		<b>Sampled: 11/17/06 08:50</b>						
Acenaphthene	8270C-SIM	ND	---	0.0113	mg/kg dry	1x	6K27029	11/27/06 10:39	12/01/06 22:30	
Acenaphthylene	"	ND	---	0.0113	"	"	"	"	"	"
Anthracene	"	ND	---	0.0113	"	"	"	"	"	"
Benzo (a) anthracene	"	ND	---	0.0113	"	"	"	"	"	"
Benzo (a) pyrene	"	ND	---	0.0113	"	"	"	"	"	"
Benzo (b) fluoranthene	"	ND	---	0.0113	"	"	"	"	"	"
Benzo (k) fluoranthene	"	ND	---	0.0113	"	"	"	"	"	"
Benzo (ghi) perylene	"	ND	---	0.0113	"	"	"	"	"	"
Chrysene	"	ND	---	0.0113	"	"	"	"	"	"
Dibenz (a,h) anthracene	"	ND	---	0.0113	"	"	"	"	"	"
Fluoranthene	"	ND	---	0.0113	"	"	"	"	"	"
Fluorene	"	ND	---	0.0113	"	"	"	"	"	"
Indeno (1,2,3-cd) pyrene	"	ND	---	0.0113	"	"	"	"	"	"
1-Methylnaphthalene	"	ND	---	0.0113	"	"	"	"	"	"
2-Methylnaphthalene	"	ND	---	0.0113	"	"	"	"	"	"
Naphthalene	"	ND	---	0.0113	"	"	"	"	"	"

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*Kate Haney*

Kate Haney, Project Manager

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**Cambria - Seattle**

8620 Holly Drive, Suite 210  
 Everett, WA 98208

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

Project Number: 248-1739

Project Manager: Justin Foslien

Report Created:

12/08/06 18:57

**Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring**  
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
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BPK0570-08 (GW2@17.5')		Soil		Sampled: 11/17/06 08:50						
Phenanthrene	8270C-SIM	ND	---	0.0113	mg/kg dry	1x	6K27029	11/27/06 10:39	12/01/06 22:30	
Pyrene	"	ND	---	0.0113	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14			101%		50 - 147 %	"				

BPK0570-09 (GW4@7.5')		Soil		Sampled: 11/17/06 10:32						
Acenaphthene	8270C-SIM	ND	---	0.0107	mg/kg dry	1x	6K27029	11/27/06 10:39	12/01/06 22:56	
Acenaphthylene	"	ND	---	0.0107	"	"	"	"	"	
Anthracene	"	ND	---	0.0107	"	"	"	"	"	
Benzo (a) anthracene	"	ND	---	0.0107	"	"	"	"	"	
Benzo (a) pyrene	"	ND	---	0.0107	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	---	0.0107	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	---	0.0107	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	---	0.0107	"	"	"	"	"	
Chrysene	"	ND	---	0.0107	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	---	0.0107	"	"	"	"	"	
Fluoranthene	"	ND	---	0.0107	"	"	"	"	"	
Fluorene	"	ND	---	0.0107	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	0.0107	"	"	"	"	"	
1-Methylnaphthalene	"	0.611	---	0.0107	"	"	"	"	"	
Phenanthrene	"	0.0120	---	0.0107	"	"	"	"	"	
Pyrene	"	0.0121	---	0.0107	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14			102%		50 - 147 %	"				

BPK0570-09RE1 (GW4@7.5')		Soil		Sampled: 11/17/06 10:32						
2-Methylnaphthalene	8270C-SIM	1.62	---	0.0535	mg/kg dry	5x	6K27029	11/27/06 10:39	12/02/06 13:53	
Naphthalene	"	1.87	---	0.0535	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14			101%		50 - 147 %	"				

BPK0570-10 (GW4@17.5')		Soil		Sampled: 11/17/06 10:45						
Acenaphthene	8270C-SIM	ND	---	0.0110	mg/kg dry	1x	6K27029	11/27/06 10:39	12/02/06 12:11	
Acenaphthylene	"	ND	---	0.0110	"	"	"	"	"	
Anthracene	"	ND	---	0.0110	"	"	"	"	"	
Benzo (a) anthracene	"	ND	---	0.0110	"	"	"	"	"	
Benzo (a) pyrene	"	ND	---	0.0110	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	---	0.0110	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	---	0.0110	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	---	0.0110	"	"	"	"	"	
Chrysene	"	ND	---	0.0110	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	---	0.0110	"	"	"	"	"	
Fluoranthene	"	ND	---	0.0110	"	"	"	"	"	

TestAmerica - Seattle, WA

*Kate Haney*

Kate Haney, Project Manager

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<b>Cambria - Seattle</b> 8620 Holly Drive, Suite 210 Everett, WA 98208	<b>Project Name:</b> Shell - 6808 196th SW, Lynnwood <b>Project Number:</b> 248-1739 <b>Project Manager:</b> Justin Foslien	<b>Report Created:</b> 12/08/06 18:57
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**Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring**  
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>BPK0570-10 (GW4@17.5')</b>	<b>Soil</b>									
	<b>Sampled: 11/17/06 10:45</b>									
Fluorene	8270C-SIM	ND	---	0.0110	mg/kg dry	1x	6K27029	11/27/06 10:39	12/02/06 12:11	
Indeno (1,2,3-cd) pyrene	"	ND	---	0.0110	"	"	"	"	"	
1-Methylnaphthalene	"	ND	---	0.0110	"	"	"	"	"	
2-Methylnaphthalene	"	ND	---	0.0110	"	"	"	"	"	
Naphthalene	"	ND	---	0.0110	"	"	"	"	"	
Phenanthrene	"	ND	---	0.0110	"	"	"	"	"	
Pyrene	"	ND	---	0.0110	"	"	"	"	"	
<i>Surrogate(s): p-Terphenyl-d14</i>			80.1%		50 - 147 %	"				"
<b>BPK0570-11 (GW5@7.5')</b>	<b>Soil</b>									
	<b>Sampled: 11/17/06 12:27</b>									
Acenaphthene	8270C-SIM	ND	---	0.0108	mg/kg dry	1x	6K27029	11/27/06 10:39	12/02/06 12:36	
Acenaphthylene	"	ND	---	0.0108	"	"	"	"	"	
Anthracene	"	ND	---	0.0108	"	"	"	"	"	
Benzo (a) anthracene	"	ND	---	0.0108	"	"	"	"	"	
Benzo (a) pyrene	"	ND	---	0.0108	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	---	0.0108	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	---	0.0108	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	---	0.0108	"	"	"	"	"	
Chrysene	"	ND	---	0.0108	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	---	0.0108	"	"	"	"	"	
Fluoranthene	"	ND	---	0.0108	"	"	"	"	"	
Fluorene	"	ND	---	0.0108	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	0.0108	"	"	"	"	"	
1-Methylnaphthalene	"	1.11	---	0.0108	"	"	"	"	"	
Phenanthrene	"	ND	---	0.0108	"	"	"	"	"	
Pyrene	"	ND	---	0.0108	"	"	"	"	"	
<i>Surrogate(s): p-Terphenyl-d14</i>			106%		50 - 147 %	"				"
<b>BPK0570-11RE1 (GW5@7.5')</b>	<b>Soil</b>									
	<b>Sampled: 11/17/06 12:27</b>									
2-Methylnaphthalene	8270C-SIM	2.77	---	0.108	mg/kg dry	10x	6K27029	11/27/06 10:39	12/02/06 14:18	
Naphthalene	"	2.46	---	0.108	"	"	"	"	"	
<i>Surrogate(s): p-Terphenyl-d14</i>			95.4%		50 - 147 %	"				"

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*Kate Haney*

Kate Haney, Project Manager

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**Cambria - Seattle**

8620 Holly Drive, Suite 210  
 Everett, WA 98208

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

Project Number: 248-1739

Project Manager: Justin Foslien

Report Created:

12/08/06 18:57

**Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring**

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>BPK0570-12 (GW5@17.5')</b>		<b>Soil</b>		<b>Sampled: 11/17/06 12:45</b>						
Acenaphthene	8270C-SIM	ND	----	0.0111	mg/kg dry	1x	6K27029	11/27/06 10:39	12/02/06 13:02	
Acenaphthylene	"	ND	----	0.0111	"	"	"	"	"	
Anthracene	"	ND	----	0.0111	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	0.0111	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	0.0111	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	0.0111	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	0.0111	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	0.0111	"	"	"	"	"	
Chrysene	"	ND	----	0.0111	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	----	0.0111	"	"	"	"	"	
Fluoranthene	"	ND	----	0.0111	"	"	"	"	"	
Fluorene	"	ND	----	0.0111	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	0.0111	"	"	"	"	"	
1-Methylnaphthalene	"	ND	----	0.0111	"	"	"	"	"	
2-Methylnaphthalene	"	0.0127	----	0.0111	"	"	"	"	"	
Naphthalene	"	ND	----	0.0111	"	"	"	"	"	
Phenanthrene	"	ND	----	0.0111	"	"	"	"	"	
Pyrene	"	ND	----	0.0111	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14			96.4%		50 - 147 %	"				"

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*Kate Haney*

Kate Haney, Project Manager

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<b>Cambria - Seattle</b> 8620 Holly Drive, Suite 210 Everett, WA 98208	<b>Project Name:</b> Shell - 6808 196th SW, Lynnwood <b>Project Number:</b> 248-1739 <b>Project Manager:</b> Justin Foslien	<b>Report Created:</b> 12/08/06 18:57
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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
<b>BPK0570-01</b> (GW1@27.5')		<b>Soil</b>			<b>Sampled: 11/16/06 10:30</b>					
Dry Weight	BSOPSP003R0 8	93.9	---	1.00	%	1x	6K30051	11/30/06 15:18	12/01/06 00:00	
<b>BPK0570-02</b> (GW1@17.5')		<b>Soil</b>			<b>Sampled: 11/16/06 10:03</b>					
Dry Weight	BSOPSP003R0 8	91.8	---	1.00	%	1x	6K30051	11/30/06 15:18	12/01/06 00:00	
<b>BPK0570-03</b> (SB1@12.5')		<b>Soil</b>			<b>Sampled: 11/16/06 13:20</b>					
Dry Weight	BSOPSP003R0 8	86.6	---	1.00	%	1x	6K30051	11/30/06 15:18	12/01/06 00:00	
<b>BPK0570-04</b> (SB1@7.5')		<b>Soil</b>			<b>Sampled: 11/16/06 13:15</b>					
Dry Weight	BSOPSP003R0 8	92.3	---	1.00	%	1x	6K30051	11/30/06 15:18	12/01/06 00:00	
<b>BPK0570-05</b> (GW3@7.5')		<b>Soil</b>			<b>Sampled: 11/16/06 14:35</b>					
Dry Weight	BSOPSP003R0 8	89.2	---	1.00	%	1x	6K30051	11/30/06 15:18	12/01/06 00:00	
<b>BPK0570-06</b> (GW3@17.5')		<b>Soil</b>			<b>Sampled: 11/16/06 14:50</b>					
Dry Weight	BSOPSP003R0 8	89.9	---	1.00	%	1x	6K30051	11/30/06 15:18	12/01/06 00:00	
<b>BPK0570-07</b> (GW2@12.5')		<b>Soil</b>			<b>Sampled: 11/17/06 08:39</b>					
Dry Weight	BSOPSP003R0 8	90.4	---	1.00	%	1x	6K30051	11/30/06 15:18	12/01/06 00:00	
<b>BPK0570-08</b> (GW2@17.5')		<b>Soil</b>			<b>Sampled: 11/17/06 08:50</b>					
Dry Weight	BSOPSP003R0 8	88.8	---	1.00	%	1x	6K30050	11/30/06 15:17	12/01/06 00:00	
<b>BPK0570-09</b> (GW4@7.5')		<b>Soil</b>			<b>Sampled: 11/17/06 10:32</b>					
Dry Weight	BSOPSP003R0 8	93.1	---	1.00	%	1x	6K30050	11/30/06 15:17	12/01/06 00:00	
<b>BPK0570-10</b> (GW4@17.5')		<b>Soil</b>			<b>Sampled: 11/17/06 10:45</b>					
Dry Weight	BSOPSP003R0 8	90.2	---	1.00	%	1x	6K30050	11/30/06 15:17	12/01/06 00:00	
<b>BPK0570-11</b> (GW5@7.5')		<b>Soil</b>			<b>Sampled: 11/17/06 12:27</b>					

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Kate Haney, Project Manager

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**Cambria - Seattle**  
 8620 Holly Drive, Suite 210  
 Everett, WA 98208

Project Name: **Shell - 6808 196th SW, Lynnwood**  
 Project Number: 248-1739  
 Project Manager: Justin Foslien

Report Created:  
 12/08/06 18:57

**Physical Parameters by APHA/ASTM/EPA Methods**  
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>BPK0570-11 (GW5@7.5')</b>		<b>Soil</b>								<b>Sampled: 11/17/06 12:27</b>
Dry Weight	BSOPSPLO03R0 8	91.5	---	1.00	%	1x	6K30050	11/30/06 15:17	12/01/06 00:00	
<b>BPK0570-12 (GW5@17.5')</b>		<b>Soil</b>								<b>Sampled: 11/17/06 12:45</b>
Dry Weight	BSOPSPLO03R0 8	90.3	---	1.00	%	1x	6K30050	11/30/06 15:17	12/01/06 00:00	

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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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BPK0570-01 (GW1@27.5')		Soil		Sampled: 11/16/06 10:30						
tert-Amyl Methyl Ether	EPA 8260B	ND	----	0.36	mg/kg dry	1x	6K27048	11/27/06 13:30	11/27/06 21:10	
<b>Benzene</b>	"	<b>0.14</b>	----	0.01	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	---	3.6	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	----	0.04	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	----	0.04	"	"	"	"	"	
Diisopropyl ether	"	ND	---	0.36	"	"	"	"	"	C
Ethyl tert-butyl ether	"	ND	---	0.36	"	"	"	"	"	
Ethanol	"	ND	----	14	"	"	"	"	"	
Ethylbenzene	"	ND	---	0.07	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	0.36	"	"	"	"	"	
<b>Toluene</b>	"	<b>0.38</b>	----	0.07	"	"	"	"	"	
o-Xylene	"	ND	---	0.07	"	"	"	"	"	
m,p-Xylene	"	ND	---	0.14	"	"	"	"	"	
Xylenes (total)	"	ND	---	0.21	"	"	"	"	"	
<i>Surrogate(s): 1,2-DCA-d4</i>		<i>93.0%</i>		<i>75 - 125 %</i>		<i>"</i>		<i>"</i>		<i>"</i>
<i>Toluene-d8</i>		<i>101%</i>		<i>75 - 125 %</i>		<i>"</i>		<i>"</i>		<i>"</i>
<i>4-BFB</i>		<i>98.6%</i>		<i>75 - 125 %</i>		<i>"</i>		<i>"</i>		<i>"</i>

BPK0570-02 (GW1@17.5')		Soil		Sampled: 11/16/06 10:03						
tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.35	mg/kg dry	1x	6K27048	11/27/06 13:30	11/27/06 21:49	
<b>Benzene</b>	"	<b>0.16</b>	----	0.01	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	---	3.5	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	----	0.04	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	----	0.04	"	"	"	"	"	
Diisopropyl ether	"	ND	---	0.35	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	---	0.35	"	"	"	"	"	
Ethanol	"	ND	----	14	"	"	"	"	"	
Ethylbenzene	"	ND	---	0.07	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	0.35	"	"	"	"	"	
<b>Toluene</b>	"	<b>0.34</b>	----	0.07	"	"	"	"	"	
o-Xylene	"	ND	---	0.07	"	"	"	"	"	
m,p-Xylene	"	ND	---	0.14	"	"	"	"	"	
Xylenes (total)	"	ND	---	0.21	"	"	"	"	"	
<i>Surrogate(s): 1,2-DCA-d4</i>		<i>91.5%</i>		<i>75 - 125 %</i>		<i>"</i>		<i>"</i>		<i>"</i>
<i>Toluene-d8</i>		<i>102%</i>		<i>75 - 125 %</i>		<i>"</i>		<i>"</i>		<i>"</i>
<i>4-BFB</i>		<i>96.5%</i>		<i>75 - 125 %</i>		<i>"</i>		<i>"</i>		<i>"</i>

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*Kate Haney*

Kate Haney, Project Manager

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<b>Cambria - Seattle</b> 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name: <b>Shell - 6808 196th SW, Lynnwood</b> Project Number: 248-1739 Project Manager: Justin Foslien	Report Created: 12/08/06 18:57
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**Oxygenates by EPA Method 8260B**  
TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>BPK0570-03 (SB1@12.5')</b>		<b>Soil</b>		<b>Sampled: 11/16/06 13:20</b>						
tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.39	mg/kg dry	1x	6K27048	11/27/06 13:30	11/27/06 22:19	
<b>Benzene</b>	"	<b>0.73</b>	---	0.02	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	---	3.9	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	---	0.04	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	---	0.04	"	"	"	"	"	
Diisopropyl ether	"	ND	---	0.39	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	---	0.39	"	"	"	"	"	
Ethanol	"	ND	---	16	"	"	"	"	"	
<b>Ethylbenzene</b>	"	<b>0.18</b>	---	0.08	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	0.39	"	"	"	"	"	
<b>Toluene</b>	"	<b>1.7</b>	---	0.08	"	"	"	"	"	
<b>o-Xylene</b>	"	<b>0.18</b>	---	0.08	"	"	"	"	"	
<b>m,p-Xylene</b>	"	<b>0.72</b>	---	0.16	"	"	"	"	"	
<b>Xylenes (total)</b>	"	<b>0.90</b>	---	0.23	"	"	"	"	"	
<i>Surrogate(s): 1,2-DCA-d4</i>				<i>93.6%</i>	<i>75 - 125 %</i>	"				
<i>Toluene-d8</i>				<i>103%</i>	<i>75 - 125 %</i>	"				
<i>4-BFB</i>				<i>97.4%</i>	<i>75 - 125 %</i>	"				

<b>BPK0570-04 (SB1@7.5')</b>		<b>Soil</b>		<b>Sampled: 11/16/06 13:15</b>						
tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.41	mg/kg dry	1x	6K29036	11/29/06 12:33	11/29/06 19:11	
<b>Benzene</b>	"	<b>0.14</b>	---	0.02	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	---	4.1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	---	0.04	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	---	0.04	"	"	"	"	"	
Diisopropyl ether	"	ND	---	0.41	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	---	0.41	"	"	"	"	"	
Ethanol	"	ND	---	16	"	"	"	"	"	
Ethylbenzene	"	ND	---	0.08	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	0.41	"	"	"	"	"	
<b>Toluene</b>	"	<b>0.42</b>	---	0.08	"	"	"	"	"	
<b>o-Xylene</b>	"	<b>ND</b>	---	0.08	"	"	"	"	"	
<b>m,p-Xylene</b>	"	<b>ND</b>	---	0.16	"	"	"	"	"	
<b>Xylenes (total)</b>	"	<b>ND</b>	---	0.24	"	"	"	"	"	
<i>Surrogate(s): 1,2-DCA-d4</i>				<i>93.8%</i>	<i>75 - 125 %</i>	"				
<i>Toluene-d8</i>				<i>101%</i>	<i>75 - 125 %</i>	"				
<i>4-BFB</i>				<i>98.8%</i>	<i>75 - 125 %</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
<b>BPK0570-05 (GW3@7.5')</b>		<b>Soil</b>		<b>Sampled: 11/16/06 14:35</b>						
tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.40	mg/kg dry	1x	6K29036	11/29/06 12:33	11/29/06 19:41	
tert-Butyl Alcohol	"	ND	---	4.0	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	---	0.04	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	---	0.04	"	"	"	"	"	
Diisopropyl ether	"	ND	---	0.40	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	---	0.40	"	"	"	"	"	
Ethanol	"	ND	---	16	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	0.40	"	"	"	"	"	
<i>Surrogate(s): 1,2-DCA-d4</i>				109%		75 - 125 %	"			"
<i>Toluene-d8</i>				106%		75 - 125 %	"			"
<i>4-BFB</i>				100%		75 - 125 %	"			"

<b>BPK0570-05RE1 (GW3@7.5')</b>		<b>Soil</b>		<b>Sampled: 11/16/06 14:35</b>						
Benzene	EPA 8260B	8.6	---	0.79	mg/kg dry	50x	6K30039	11/30/06 11:22	11/30/06 14:11	
Ethylbenzene	"	25	---	4.0	"	"	"	"	"	
Toluene	"	99	---	4.0	"	"	"	"	"	
o-Xylene	"	44	---	4.0	"	"	"	"	"	
m,p-Xylene	"	120	---	7.9	"	"	"	"	"	
Xylenes (total)	"	160	---	12	"	"	"	"	"	
<i>Surrogate(s): 1,2-DCA-d4</i>				91.8%		75 - 125 %	1x			"
<i>Toluene-d8</i>				102%		75 - 125 %	"			"
<i>4-BFB</i>				97.5%		75 - 125 %	"			"

<b>BPK0570-06 (GW3@17.5')</b>		<b>Soil</b>		<b>Sampled: 11/16/06 14:50</b>						
tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.39	mg/kg dry	1x	6K30039	11/30/06 11:22	11/30/06 14:40	
Benzene	"	0.53	---	0.02	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	---	3.9	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	---	0.04	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	---	0.04	"	"	"	"	"	
Diisopropyl ether	"	ND	---	0.39	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	---	0.39	"	"	"	"	"	
Ethanol	"	ND	---	16	"	"	"	"	"	
Ethylbenzene	"	0.12	---	0.08	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	0.39	"	"	"	"	"	
Toluene	"	0.85	---	0.08	"	"	"	"	"	
o-Xylene	"	0.08	---	0.08	"	"	"	"	"	
m,p-Xylene	"	0.30	---	0.16	"	"	"	"	"	
Xylenes (total)	"	0.39	---	0.23	"	"	"	"	"	
<i>Surrogate(s): 1,2-DCA-d4</i>				91.7%		75 - 125 %	"			"
<i>Toluene-d8</i>				101%		75 - 125 %	"			"

TestAmerica - Seattle, WA

*Kate Haney*

Kate Haney, Project Manager

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**Cambria - Seattle**

8620 Holly Drive, Suite 210  
 Everett, WA 98208

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

Project Number: 248-1739

Project Manager: Justin Foslien

Report Created:

12/08/06 18:57

**Oxygenates by EPA Method 8260B**

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
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**BPK0570-06 (GW3@17.5')** Soil **Sampled: 11/16/06 14:50**

4-BFB 95.5% 75 - 125 % 1x 11/30/06 14:40

**BPK0570-07 (GW2@12.5')** Soil **Sampled: 11/17/06 08:39**

tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.37	mg/kg dry	1x	6K30039	11/30/06 11:22	11/30/06 15:14	
<b>Benzene</b>	"	<b>0.02</b>	---	0.01	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	---	3.7	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	---	0.04	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	---	0.04	"	"	"	"	"	
Diisopropyl ether	"	ND	---	0.37	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	---	0.37	"	"	"	"	"	
Ethanol	"	ND	---	15	"	"	"	"	"	
Ethylbenzene	"	ND	---	0.07	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	0.37	"	"	"	"	"	
Toluene	"	ND	---	0.07	"	"	"	"	"	
o-Xylene	"	ND	---	0.07	"	"	"	"	"	
m,p-Xylene	"	ND	---	0.15	"	"	"	"	"	
Xylenes (total)	"	ND	---	0.22	"	"	"	"	"	

Surrogate(s): 1,2-DCA-d4 92.5% 75 - 125 % " "  
 Toluene-d8 101% 75 - 125 % " "  
 4-BFB 97.3% 75 - 125 % " "

**BPK0570-08 (GW2@17.5')** Soil **Sampled: 11/17/06 08:50**

tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.43	mg/kg dry	1x	6K29036	11/29/06 12:33	11/29/06 21:25	
<b>Benzene</b>	"	<b>0.33</b>	---	0.02	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	---	4.3	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	---	0.04	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	---	0.04	"	"	"	"	"	
Diisopropyl ether	"	ND	---	0.43	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	---	0.43	"	"	"	"	"	
Ethanol	"	ND	---	17	"	"	"	"	"	
<b>Ethylbenzene</b>	"	<b>0.87</b>	---	0.09	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	0.43	"	"	"	"	"	
<b>Toluene</b>	"	<b>1.0</b>	---	0.09	"	"	"	"	"	
o-Xylene	"	ND	---	0.09	"	"	"	"	"	
m,p-Xylene	"	<b>0.28</b>	---	0.17	"	"	"	"	"	
Xylenes (total)	"	<b>0.34</b>	---	0.26	"	"	"	"	"	

Surrogate(s): 1,2-DCA-d4 91.8% 75 - 125 % " "  
 Toluene-d8 101% 75 - 125 % " "  
 4-BFB 97.6% 75 - 125 % " "

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*Kate Haney*

Kate Haney, Project Manager

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<b>Cambria - Seattle</b> 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name: <b>Shell - 6808 196th SW, Lynnwood</b> Project Number: 248-1739 Project Manager: Justin Foslien	Report Created: 12/08/06 18:57
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**Oxygenates by EPA Method 8260B**  
TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>BPK0570-09 (GW4@7.5')</b>		<b>Soil</b>		<b>Sampled: 11/17/06 10:32</b>						
tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.38	mg/kg dry	1x	6K29036	11/29/06 12:33	11/29/06 21:55	
<b>Benzene</b>	"	<b>0.48</b>	---	0.02	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	---	3.8	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	---	0.04	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	---	0.04	"	"	"	"	"	
Diisopropyl ether	"	ND	---	0.38	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	---	0.38	"	"	"	"	"	
Ethanol	"	ND	---	15	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	0.38	"	"	"	"	"	
<i>Surrogate(s):</i>	<i>1,2-DCA-d4</i>		<i>105%</i>		<i>75 - 125 %</i>	<i>"</i>				<i>"</i>
	<i>Toluene-d8</i>		<i>106%</i>		<i>75 - 125 %</i>	<i>"</i>				<i>"</i>
	<i>4-BFB</i>		<i>100%</i>		<i>75 - 125 %</i>	<i>"</i>				<i>"</i>

<b>BPK0570-09RE1 (GW4@7.5')</b>		<b>Soil</b>		<b>Sampled: 11/17/06 10:32</b>						
<b>Ethylbenzene</b>	EPA 8260B	<b>8.2</b>	---	0.75	mg/kg dry	10x	6K30039	11/30/06 11:22	11/30/06 15:37	
<b>Toluene</b>	"	<b>12</b>	---	0.75	"	"	"	"	"	
<b>o-Xylene</b>	"	<b>15</b>	---	0.75	"	"	"	"	"	
<b>m,p-Xylene</b>	"	<b>40</b>	---	1.5	"	"	"	"	"	
<b>Xylenes (total)</b>	"	<b>54</b>	---	2.3	"	"	"	"	"	
<i>Surrogate(s):</i>	<i>1,2-DCA-d4</i>		<i>93.4%</i>		<i>75 - 125 %</i>	<i>1x</i>				<i>"</i>
	<i>Toluene-d8</i>		<i>101%</i>		<i>75 - 125 %</i>	<i>"</i>				<i>"</i>
	<i>4-BFB</i>		<i>97.4%</i>		<i>75 - 125 %</i>	<i>"</i>				<i>"</i>

<b>BPK0570-10 (GW4@17.5')</b>		<b>Soil</b>		<b>Sampled: 11/17/06 10:45</b>						
tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.38	mg/kg dry	1x	6K30039	11/30/06 11:22	11/30/06 16:06	
<b>Benzene</b>	"	<b>0.24</b>	---	0.02	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	---	3.8	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	---	0.04	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	---	0.04	"	"	"	"	"	
Diisopropyl ether	"	ND	---	0.38	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	---	0.38	"	"	"	"	"	
Ethanol	"	ND	---	15	"	"	"	"	"	
Ethylbenzene	"	ND	---	0.08	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	---	0.38	"	"	"	"	"	
<b>Toluene</b>	"	<b>0.44</b>	---	0.08	"	"	"	"	"	
<b>o-Xylene</b>	"	<b>ND</b>	---	0.08	"	"	"	"	"	
<b>m,p-Xylene</b>	"	<b>0.24</b>	---	0.15	"	"	"	"	"	
<b>Xylenes (total)</b>	"	<b>0.31</b>	---	0.23	"	"	"	"	"	
<i>Surrogate(s):</i>	<i>1,2-DCA-d4</i>		<i>94.1%</i>		<i>75 - 125 %</i>	<i>"</i>				<i>"</i>
	<i>Toluene-d8</i>		<i>103%</i>		<i>75 - 125 %</i>	<i>"</i>				<i>"</i>

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*Kate Haney*

Kate Haney, Project Manager

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<b>Cambria - Seattle</b>	Project Name: <b>Shell - 6808 196th SW, Lynnwood</b>	
8620 Holly Drive, Suite 210	Project Number: 248-1739	Report Created:
Everett, WA 98208	Project Manager: Justin Foslien	12/08/06 18:57

**Oxygenates by EPA Method 8260B**  
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
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**BPK0570-10 (GW4@17.5')** Soil Sampled: 11/17/06 10:45

4-BFB 98.0% 75 - 125 % 1x 11/30/06 16:06

<b>BPK0570-11 (GW5@7.5')</b> Soil Sampled: 11/17/06 12:27										
tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.39	mg/kg dry	1x	6K29036	11/29/06 12:33	11/29/06 22:54	
<b>Benzene</b>	"	0.97	---	0.02	"	"	"	"	"	"
tert-Butyl Alcohol	"	ND	---	3.9	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	"	ND	---	0.04	"	"	"	"	"	"
1,2-Dichloroethane (EDC)	"	ND	---	0.04	"	"	"	"	"	"
Diisopropyl ether	"	ND	---	0.39	"	"	"	"	"	"
Ethyl tert-butyl ether	"	ND	---	0.39	"	"	"	"	"	"
Ethanol	"	ND	---	15	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	---	0.39	"	"	"	"	"	"

Surrogate(s): 1,2-DCA-d4 110% 75 - 125 % " "  
 Toluene-d8 108% 75 - 125 % " "  
 4-BFB 98.1% 75 - 125 % " "

**BPK0570-11RE1 (GW5@7.5')** Soil Sampled: 11/17/06 12:27

Ethylbenzene	EPA 8260B	14	---	0.77	mg/kg dry	10x	6K30039	11/30/06 11:22	11/30/06 16:40	
<b>Toluene</b>	"	24	---	0.77	"	"	"	"	"	"
<b>o-Xylene</b>	"	24	---	0.77	"	"	"	"	"	"
<b>m,p-Xylene</b>	"	67	---	1.5	"	"	"	"	"	"
<b>Xylenes (total)</b>	"	90	---	2.3	"	"	"	"	"	"

Surrogate(s): 1,2-DCA-d4 93.5% 75 - 125 % 1x "  
 Toluene-d8 103% 75 - 125 % " "  
 4-BFB 96.8% 75 - 125 % " "

**BPK0570-12 (GW5@17.5')** Soil Sampled: 11/17/06 12:45

tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.37	mg/kg dry	1x	6K30039	11/30/06 11:22	11/30/06 17:24	
<b>Benzene</b>	"	0.09	---	0.01	"	"	"	"	"	"
tert-Butyl Alcohol	"	ND	---	3.7	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	"	ND	---	0.04	"	"	"	"	"	"
1,2-Dichloroethane (EDC)	"	ND	---	0.04	"	"	"	"	"	"
Diisopropyl ether	"	ND	---	0.37	"	"	"	"	"	"
Ethyl tert-butyl ether	"	ND	---	0.37	"	"	"	"	"	"
Ethanol	"	ND	---	15	"	"	"	"	"	"
<b>Ethylbenzene</b>	"	0.19	---	0.07	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	---	0.37	"	"	"	"	"	"
<b>Toluene</b>	"	0.52	---	0.07	"	"	"	"	"	"
<b>o-Xylene</b>	"	0.27	---	0.07	"	"	"	"	"	"
<b>m,p-Xylene</b>	"	0.90	---	0.15	"	"	"	"	"	"

TestAmerica - Seattle, WA

*Kate Haney*  
 Kate Haney, Project Manager

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<b>Cambria - Seattle</b> 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name: <b>Shell - 6808 196th SW, Lynnwood</b> Project Number: 248-1739 Project Manager: Justin Foslien	Report Created: 12/08/06 18:57
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**Oxygenates by EPA Method 8260B**  
TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>BPK0570-12 (GW5@17.5')</b>		<b>Soil</b>			<b>Sampled: 11/17/06 12:45</b>					
<b>Xylenes (total)</b>	EPA 8260B	<b>1.2</b>	—	0.22	mg/kg dry	1x	6K30039	11/30/06 11:22	11/30/06 17:24	
Surrogate(s):	1,2-DCA-d4	91.9%			75 - 125 %	"				"
	Toluene-d8	102%			75 - 125 %	"				"
	4-BFB	99.3%			75 - 125 %	"				"

TestAmerica - Seattle, WA

*Kate Haney*

Kate Haney, Project Manager

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<b>Cambria - Seattle</b> 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name: <b>Shell - 6808 196th SW, Lynnwood</b> Project Number: 248-1739 Project Manager: Justin Foslien	Report Created: 12/08/06 18:57
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**Volatile Petroleum Products by NWTPH-Gx - Laboratory Quality Control Results**  
 TestAmerica - Seattle, WA

QC Batch: 6K29027      Soil Preparation Method: EPA 5030B (MeOH)

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes		
<b>Blank (6K29027-BLK1)</b>													Extracted: 11/29/06 11:15			
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	5.00	mg/kg wet	1x	--	--	--	--	--	--	11/29/06 12:30			
Surrogate(s): 4-BFB (FID)		Recovery: 82.7%		Limits: 50-150%		"						11/29/06 12:30				
<b>LCS (6K29027-BS1)</b>													Extracted: 11/29/06 11:15			
Gasoline Range Hydrocarbons	NWTPH-Gx	46.4	---	5.00	mg/kg wet	1x	--	50.0	92.8%	(75-125)	--	--	11/29/06 13:04			
Surrogate(s): 4-BFB (FID)		Recovery: 90.7%		Limits: 50-150%		"						11/29/06 13:04				
<b>Duplicate (6K29027-DUP1)</b>													QC Source: BPK0700-01		Extracted: 11/29/06 11:15	
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	12.5	mg/kg dry	1x	ND	--	--	--	22.5%	(40)	11/29/06 16:14			
Surrogate(s): 4-BFB (FID)		Recovery: 82.7%		Limits: 50-150%		"						11/29/06 16:14				
<b>Duplicate (6K29027-DUP2)</b>													QC Source: BPK0642-01RE1		Extracted: 11/29/06 11:15	
Gasoline Range Hydrocarbons	NWTPH-Gx	3.30	---	2.53	mg/kg wet	1x	3.39	--	--	--	2.69%	(40)	11/29/06 21:41			
Surrogate(s): 4-BFB (FID)		Recovery: 82.9%		Limits: 50-150%		"						11/29/06 21:41				
<b>Matrix Spike (6K29027-MS1)</b>													QC Source: BPK0700-01		Extracted: 11/29/06 11:15	
Gasoline Range Hydrocarbons	NWTPH-Gx	131	---	12.5	mg/kg dry	1x	2.67	125	103%	(42-125)	--	--	11/29/06 17:14			
Surrogate(s): 4-BFB (FID)		Recovery: 95.2%		Limits: 50-150%		"						11/29/06 17:14				

QC Batch: 6K30024      Soil Preparation Method: EPA 5030B (MeOH)

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes		
<b>Blank (6K30024-BLK1)</b>													Extracted: 11/30/06 10:49			
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	5.00	mg/kg wet	1x	--	--	--	--	--	--	11/30/06 16:34			
Surrogate(s): 4-BFB (FID)		Recovery: 94.7%		Limits: 50-150%		"						11/30/06 16:34				
<b>LCS (6K30024-BS1)</b>													Extracted: 11/30/06 10:49			
Gasoline Range Hydrocarbons	NWTPH-Gx	51.6	---	5.00	mg/kg wet	1x	--	50.0	103%	(75-125)	--	--	11/30/06 17:23			
Surrogate(s): 4-BFB (FID)		Recovery: 117%		Limits: 50-150%		"						11/30/06 17:23				
<b>Duplicate (6K30024-DUP1)</b>													QC Source: BPK0570-10		Extracted: 11/30/06 10:49	
Gasoline Range Hydrocarbons	NWTPH-Gx	13.9	---	3.80	mg/kg dry	1x	8.57	--	--	--	47.4%	(40)	11/30/06 19:25	RP-3, A-01		
Surrogate(s): 4-BFB (FID)		Recovery: 101%		Limits: 50-150%		"						11/30/06 19:25				
<b>Matrix Spike (6K30024-MS1)</b>													QC Source: BPK0570-10		Extracted: 11/30/06 10:49	
Gasoline Range Hydrocarbons	NWTPH-Gx	45.8	---	3.80	mg/kg dry	1x	8.57	38.0	98.0%	(42-125)	--	--	11/30/06 21:28			
Surrogate(s): 4-BFB (FID)		Recovery: 98.7%		Limits: 50-150%		"						11/30/06 21:28				

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*Kate Haney*

Kate Haney, Project Manager

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**Cambria - Seattle**

8620 Holly Drive, Suite 210  
Everett, WA 98208

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

Project Number: 248-1739

Project Manager: Justin Foslien

Report Created:

12/08/06 18:57

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

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Kate Haney, Project Manager

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<b>Cambria - Seattle</b> 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name: <b>Shell - 6808 196th SW, Lynnwood</b> Project Number: 248-1739 Project Manager: Justin Foslien	Report Created: 12/08/06 18:57
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**Volatile Petroleum Hydrocarbons by WDOE TPH Policy Method - Laboratory Quality Control Results**  
 TestAmerica - Seattle, WA

QC Batch: 6K28004      Soil Preparation Method: EPA 5030B (MeOH)

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Blank (6K28004-BLK1)</b>													Extracted: 11/28/06 09:45	
C5-C6 Aliphatics	WA MTCA-VPH	ND	---	5.00	mg/kg wet	1x	--	--	--	--	--	--	11/28/06 12:58	
C6-C8 Aliphatics	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
C10-C12 Aliphatics	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
C8-C10 Aromatics	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
C10-C12 Aromatics	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
C12-C13 Aromatics	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Total VPH (TVPH)	"	ND	---	35.0	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB (FID)		Recovery: 96.7%		Limits: 60-140%		"						11/28/06 12:58		
4-BFB (PID)		100%		60-140%		"						"		

<b>LCS (6K28004-BS2)</b>													Extracted: 11/28/06 09:45	
C5-C6 Aliphatics	WA MTCA-VPH	4.99	---	5.00	mg/kg wet	1x	--	5.00	99.8%	(70-130)	--	--	11/28/06 14:39	
C6-C8 Aliphatics	"	2.25	---	5.00	"	"	--	2.50	90.0%	"	--	--	"	
C10-C12 Aliphatics	"	3.65	---	5.00	"	"	--	"	146%	"	--	--	"	BS-5
C8-C10 Aromatics	"	11.1	---	5.00	"	"	--	10.0	111%	"	--	--	"	
C10-C12 Aromatics	"	2.81	---	5.00	"	"	--	2.50	112%	"	--	--	"	
C12-C13 Aromatics	"	4.91	---	5.00	"	"	--	5.00	98.2%	"	--	--	"	
Total VPH (TVPH)	"	39.5	---	35.0	"	"	--	40.0	98.8%	"	--	--	"	
Surrogate(s): 4-BFB (FID)		Recovery: 92.3%		Limits: 60-140%		"						11/28/06 14:39		
4-BFB (PID)		104%		60-140%		"						"		

<b>Duplicate (6K28004-DUP1)</b>													QC Source: BPK0570-06RE1		Extracted: 11/28/06 09:45	
C5-C6 Aliphatics	WA MTCA-VPH	ND	---	3.90	mg/kg dry	1x	ND	--	--	--	5.62%	(25)	11/28/06 15:10			
C6-C8 Aliphatics	"	4.18	---	3.90	"	"	4.15	--	--	--	0.720%	"	"			
C10-C12 Aliphatics	"	ND	---	3.90	"	"	ND	--	--	--	18.6%	"	"	BS-1		
C8-C10 Aromatics	"	ND	---	3.90	"	"	ND	--	--	--	1.58%	"	"			
C10-C12 Aromatics	"	ND	---	3.90	"	"	ND	--	--	--	2.11%	"	"			
C12-C13 Aromatics	"	ND	---	3.90	"	"	ND	--	--	--	3.24%	"	"			
Total VPH (TVPH)	"	ND	---	27.3	"	"	ND	--	--	--	0.805%	"	"			
Surrogate(s): 4-BFB (FID)		Recovery: 104%		Limits: 60-140%		"						11/28/06 15:10				
4-BFB (PID)		96.2%		60-140%		"						"				

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*Kate Haney*

Kate Haney, Project Manager

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<b>Cambria - Seattle</b> 8620 Holly Drive, Suite 210 Everett, WA 98208	<b>Project Name: Shell - 6808 196th SW, Lynnwood</b> <b>Project Number: 248-1739</b> <b>Project Manager: Justin Foslien</b>	<b>Report Created: 12/08/06 18:57</b>
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**Volatile Petroleum Hydrocarbons by WDOE TPH Policy Method - Laboratory Quality Control Results**  
 TestAmerica - Seattle, WA

<b>QC Batch: 6K28004</b>	<b>Soil Preparation Method: EPA 5030B (MeOH)</b>
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Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Matrix Spike (6K28004-MS1)</b>		<b>QC Source: BPK0570-12RE1      Extracted: 11/28/06 09:45</b>												
C5-C6 Aliphatics	WA MTCA-VPH	7.26	---	3.69	mg/kg dry	1x	2.25	3.69	136%	(70-130)	--	--	11/28/06 16:42	MS-3
C6-C8 Aliphatics	"	10.5	---	3.69	"	"	7.96	1.85	137%	"	--	--	"	MS-3
C10-C12 Aliphatics	"	5.07	---	3.69	"	"	2.62	"	132%	"	--	--	"	MS-3, BS-5
C8-C10 Aromatics	"	11.1	---	3.69	"	"	2.74	7.39	113%	"	--	--	"	
C10-C12 Aromatics	"	4.24	---	3.69	"	"	2.09	1.85	116%	"	--	--	"	
C12-C13 Aromatics	"	3.93	---	3.69	"	"	0.668	3.69	88.4%	"	--	--	"	
Total VPH (TVPH)	"	54.6	---	25.9	"	"	21.4	29.6	112%	"	--	--	"	
Surrogate(s): 4-BFB (FID)		Recovery: 112%		Limits: 60-140%		"						11/28/06 16:42		
4-BFB (PID)		91.0%		60-140%		"								

<b>QC Batch: 6L06021</b>	<b>Soil Preparation Method: EPA 5030B (MeOH)</b>
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Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Blank (6L06021-BLK1)</b>		<b>Extracted: 12/06/06 09:31</b>												
C5-C6 Aliphatics	WA MTCA-VPH	ND	---	5.00	mg/kg wet	1x	--	--	--	--	--	--	12/06/06 16:31	
C6-C8 Aliphatics	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
C8-C10 Aliphatics	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
C10-C12 Aliphatics	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
C8-C10 Aromatics	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
C10-C12 Aromatics	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
C12-C13 Aromatics	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Total VPH (TVPH)	"	ND	---	35.0	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB (FID)		Recovery: 99.0%		Limits: 60-140%		"						12/06/06 16:31		
4-BFB (PID)		101%		60-140%		"								

<b>LCS (6L06021-BS2)</b>	<b>Extracted: 12/06/06 09:31</b>
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Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
C5-C6 Aliphatics	WA MTCA-VPH	7.06	---	5.00	mg/kg wet	1x	--	8.00	88.2%	(70-130)	--	--	12/07/06 08:38	
C6-C8 Aliphatics	"	6.08	---	5.00	"	"	--	4.00	152%	"	--	--	"	L1
C8-C10 Aliphatics	"	9.79	---	5.00	"	"	--	8.00	122%	"	--	--	"	
C10-C12 Aliphatics	"	5.26	---	5.00	"	"	--	4.00	132%	"	--	--	"	L1
C8-C10 Aromatics	"	16.9	---	5.00	"	"	--	16.0	106%	"	--	--	"	
C10-C12 Aromatics	"	4.55	---	5.00	"	"	--	4.00	114%	"	--	--	"	
C12-C13 Aromatics	"	6.92	---	5.00	"	"	--	8.00	86.5%	"	--	--	"	
Total VPH (TVPH)	"	73.1	---	35.0	"	"	--	64.0	114%	"	--	--	"	
Surrogate(s): 4-BFB (FID)		Recovery: 113%		Limits: 60-140%		"						12/07/06 08:38		
4-BFB (PID)		100%		60-140%		"								

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*Kate Haney*

Kate Haney, Project Manager

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<b>Cambria - Seattle</b> 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name: <b>Shell - 6808 196th SW, Lynnwood</b> Project Number: 248-1739 Project Manager: Justin Foslien	Report Created: 12/08/06 18:57
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**Volatile Petroleum Hydrocarbons by WDOE TPH Policy Method - Laboratory Quality Control Results**  
 TestAmerica - Seattle, WA

QC Batch: 6L06021      Soil Preparation Method: EPA 5030B (MeOH)

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes	
<b>Duplicate (6L06021-DUP1)</b>		QC Source: BPK0455-06RE3						Extracted: 12/06/06 09:31							
C5-C6 Aliphatics	WA MTCA-VPH	ND	---	4.46	mg/kg dry	1x	ND	--	--	--	2.34% (25)	--	12/06/06 18:57		
C6-C8 Aliphatics	"	22.6	---	4.46	"	"	21.1	--	--	--	6.86%	"	"	L1	
C8-C10 Aliphatics	"	29.8	---	4.46	"	"	24.2	--	--	--	20.7%	"	"		
C10-C12 Aliphatics	"	45.6	---	4.46	"	"	34.6	--	--	--	27.4%	"	"	R3, L1	
C8-C10 Aromatics	"	14.1	---	4.46	"	"	14.2	--	--	--	0.707%	"	"		
C10-C12 Aromatics	"	30.5	---	4.46	"	"	30.1	--	--	--	1.32%	"	"		
C12-C13 Aromatics	"	15.9	---	4.46	"	"	13.7	--	--	--	14.9%	"	"		
Total VPH (TVPH)	"	160	---	31.2	"	"	140	--	--	--	13.3%	"	"		

Surrogate(s): 4-BFB (FID)      Recovery: 171%      Limits: 60-140%      "      12/06/06 18:57      ZX  
 4-BFB (PID)      89.2%      60-140%      "

<b>Matrix Spike (6L06021-MS1)</b>		QC Source: BPK0455-06RE3						Extracted: 12/06/06 09:31							
C5-C6 Aliphatics	WA MTCA-VPH	5.28	---	4.46	mg/kg dry	1x	0.928	7.14	61.0%	(70-130)	--	--	12/07/06 03:09	M2	
C6-C8 Aliphatics	"	27.3	---	4.46	"	"	21.1	3.57	174%	"	--	--	"	M1, L1	
C8-C10 Aliphatics	"	38.4	---	4.46	"	"	24.2	7.14	199%	"	--	--	"	M1	
C10-C12 Aliphatics	"	48.8	---	4.46	"	"	34.6	3.57	398%	"	--	--	"	M1, L1	
C8-C10 Aromatics	"	21.8	---	4.46	"	"	14.2	14.3	53.1%	"	--	--	"	M2	
C10-C12 Aromatics	"	30.9	---	4.46	"	"	30.1	3.57	22.4%	"	--	--	"	M2	
C12-C13 Aromatics	"	17.3	---	4.46	"	"	13.7	7.14	50.4%	"	--	--	"	M2	
Total VPH (TVPH)	"	200	---	31.2	"	"	140	57.1	105%	"	--	--	"		

Surrogate(s): 4-BFB (FID)      Recovery: 178%      Limits: 60-140%      "      12/07/06 03:09      ZX  
 4-BFB (PID)      97.0%      60-140%      "

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*Kate Haney*

Kate Haney, Project Manager

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**Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up - Laboratory Quality Control Results**  
 TestAmerica - Seattle, WA

QC Batch: 6K27031      Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
---------	--------	--------	------	-----	-------	-----	---------------	-----------	-------	----------	-------	----------	----------	-------

**Blank (6K27031-BLK1)** Extracted: 11/27/06 10:42

Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	10.0	mg/kg wet	1x	--	--	--	--	--	--	12/06/06 14:08	
Lube Oil Range Hydrocarbons	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
<i>Surrogate(s): 2-FBP</i>		<i>Recovery: 106%</i>		<i>Limits: 54-148%</i>										12/06/06 14:08
<i>Octacosane</i>		<i>90.5%</i>		<i>62-142%</i>										"

**LCS (6K27031-BS1)** Extracted: 11/27/06 10:42

Diesel Range Hydrocarbons	NWTPH-Dx	61.7	---	10.0	mg/kg wet	1x	--	66.7	92.5%	(78-129)	--	--	12/06/06 14:35	
<i>Surrogate(s): 2-FBP</i>		<i>Recovery: 101%</i>		<i>Limits: 54-148%</i>										12/06/06 14:35
<i>Octacosane</i>		<i>87.6%</i>		<i>62-142%</i>										"

**Duplicate (6K27031-DUP1)** QC Source: BPK0570-01      Extracted: 11/27/06 10:42

Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	10.6	mg/kg dry	1x	ND	--	--	--	NR (50)	--	12/06/06 15:01	
Lube Oil Range Hydrocarbons	"	ND	---	26.5	"	"	ND	--	--	--	NR	"	"	
<i>Surrogate(s): 2-FBP</i>		<i>Recovery: 101%</i>		<i>Limits: 54-148%</i>										12/06/06 15:01
<i>Octacosane</i>		<i>86.8%</i>		<i>62-142%</i>										"

**Duplicate (6K27031-DUP2)** QC Source: BPK0569-10      Extracted: 11/27/06 10:42

Diesel Range Hydrocarbons	NWTPH-Dx	16.4	---	10.7	mg/kg dry	1x	12.3	--	--	--	28.6% (50)	--	12/06/06 15:27	
Lube Oil Range Hydrocarbons	"	103	---	26.8	"	"	84.3	--	--	--	20.0%	"	"	
<i>Surrogate(s): 2-FBP</i>		<i>Recovery: 89.5%</i>		<i>Limits: 54-148%</i>										12/06/06 15:27
<i>Octacosane</i>		<i>92.7%</i>		<i>62-142%</i>										"

**Matrix Spike (6K27031-MS1)** QC Source: BPK0570-01      Extracted: 11/27/06 10:42

Diesel Range Hydrocarbons	NWTPH-Dx	67.0	---	10.6	mg/kg dry	1x	ND	71.0	94.4%	(46-155)	--	--	12/06/06 15:53	
<i>Surrogate(s): 2-FBP</i>		<i>Recovery: 114%</i>		<i>Limits: 54-148%</i>										12/06/06 15:53
<i>Octacosane</i>		<i>90.9%</i>		<i>62-142%</i>										"

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*Kate Haney*

Kate Haney, Project Manager

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<b>Cambria - Seattle</b> 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name: <b>Shell - 6808 196th SW, Lynnwood</b> Project Number: 248-1739 Project Manager: Justin Foslien	Report Created: 12/08/06 18:57
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**Extractable Petroleum Hydrocarbons by WDOE TPH Policy Method - Laboratory Quality Control Results**  
 TestAmerica - Seattle, WA

QC Batch: 6K27029      Soil Preparation Method: EPA 3545

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
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**Blank (6K27029-BLK1)** Extracted: 11/27/06 10:39

C8-C10 Aliphatics	WA MTCA-EPH	ND	---	5.00	mg/kg wet	1x	--	--	--	--	--	--	12/01/06 11:57	
C10-C12 Aliphatics	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
C12-C16 Aliphatics	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
C16-C21 Aliphatics	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
C21-C34 Aliphatics	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
C8-C10 Aromatics	"	ND	---	5.00	"	"	--	--	--	--	--	--	12/01/06 12:28	
C10-C12 Aromatics	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
C12-C16 Aromatics	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
C16-C21 Aromatics	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
C21-C34 Aromatics	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Surrogate(s):	<i>o</i> -Terphenyl	Recovery:	88.0%	Limits:	60-140%	"							12/01/06 12:28	
	1-Chlorooctadecane		95.8%		60-140%	"							12/01/06 11:57	

**LCS (6K27029-BS1)** Extracted: 11/27/06 10:39

C8-C10 Aliphatics	WA MTCA-EPH	7.77	---	5.00	mg/kg wet	1x	--	10.0	77.7%	(50-150)	--	--	12/01/06 13:00	
C10-C12 Aliphatics	"	2.93	---	5.00	"	"	--	3.33	88.0%	(70-130)	--	--	"	
C12-C16 Aliphatics	"	6.25	---	5.00	"	"	--	6.67	93.7%	"	--	--	"	
C16-C21 Aliphatics	"	9.36	---	5.00	"	"	--	10.0	93.6%	"	--	--	"	
C21-C34 Aliphatics	"	18.1	---	5.00	"	"	--	20.0	90.5%	"	--	--	"	
C8-C10 Aromatics	"	3.01	---	5.00	"	"	--	3.33	90.4%	(50-150)	--	--	12/01/06 13:31	
C10-C12 Aromatics	"	3.27	---	5.00	"	"	--	"	98.2%	(70-130)	--	--	"	
C12-C16 Aromatics	"	9.34	---	5.00	"	"	--	10.0	93.4%	"	--	--	"	
C16-C21 Aromatics	"	16.6	---	5.00	"	"	--	16.7	99.4%	"	--	--	"	
C21-C34 Aromatics	"	28.9	---	5.00	"	"	--	26.7	108%	"	--	--	"	
Surrogate(s):	<i>o</i> -Terphenyl	Recovery:	92.8%	Limits:	60-140%	"							12/01/06 13:31	
	1-Chlorooctadecane		95.8%		60-140%	"							12/01/06 13:00	

**Matrix Spike (6K27029-MS1)** QC Source: BPK0570-05      Extracted: 11/27/06 10:39

C8-C10 Aliphatics	WA MTCA-EPH	17.6	---	5.51	mg/kg dry	1x	30.1	11.0	-114%	(50-150)	--	--	12/01/06 14:03	MS-2
C10-C12 Aliphatics	"	15.8	---	5.51	"	"	29.4	3.68	-370%	(70-130)	--	--	"	MS-2
C12-C16 Aliphatics	"	10.2	---	5.51	"	"	7.95	7.35	30.6%	"	--	--	"	MS-2
C16-C21 Aliphatics	"	10.2	---	5.51	"	"	ND	11.0	92.7%	"	--	--	"	
C21-C34 Aliphatics	"	20.0	---	5.51	"	"	ND	22.1	90.5%	"	--	--	"	
C8-C10 Aromatics	"	23.3	---	5.51	"	"	33.8	3.68	-285%	(50-150)	--	--	12/01/06 14:34	MS-2
C10-C12 Aromatics	"	19.1	---	5.51	"	"	27.8	"	-236%	(70-130)	--	--	"	MS-2
C12-C16 Aromatics	"	14.5	---	5.51	"	"	9.73	11.0	43.4%	"	--	--	"	MS-2
C16-C21 Aromatics	"	16.8	---	5.51	"	"	ND	18.4	91.3%	"	--	--	"	
C21-C34 Aromatics	"	29.0	---	5.51	"	"	ND	29.4	98.6%	"	--	--	"	

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*Kate Haney*

Kate Haney, Project Manager

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**Extractable Petroleum Hydrocarbons by WDOE TPH Policy Method - Laboratory Quality Control Results**  
 TestAmerica - Seattle, WA

QC Batch: 6K27029      Soil Preparation Method: EPA 3545

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
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<b>Matrix Spike (6K27029-MS1)</b>		QC Source: BPK0570-05				Extracted: 11/27/06 10:39								
Surrogate(s):	<i>o</i> -Terphenyl	Recovery:	85.3%	Limits:	60-140%	1x							12/01/06 14:34	
	<i>l</i> -Chlorooctadecane		95.1%		60-140%	"							12/01/06 14:03	

<b>Matrix Spike Dup (6K27029-MSD1)</b>		QC Source: BPK0570-05				Extracted: 11/27/06 10:39								
C8-C10 Aliphatics	WA MTCA-EPH	31.0	---	5.61	mg/kg dry	1x	30.1	11.2	8.04%	(50-150)	55.1% (25)		12/01/06 15:06	MS-2, RP-1
C10-C12 Aliphatics	"	33.4	---	5.61	"	"	29.4	3.74	107%	(70-130)	71.5%	"	"	RP-1
C12-C16 Aliphatics	"	15.3	---	5.61	"	"	7.95	7.47	98.4%	"	40.0%	"	"	RP-1
C16-C21 Aliphatics	"	11.2	---	5.61	"	"	ND	11.2	100%	"	9.35%	"	"	
C21-C34 Aliphatics	"	21.6	---	5.61	"	"	ND	22.4	96.4%	"	7.69%	"	"	
C8-C10 Aromatics	"	34.6	---	5.61	"	"	33.8	3.74	21.4%	(50-150)	39.0%	"	12/01/06 15:38	MS-2, RP-1
C10-C12 Aromatics	"	31.5	---	5.61	"	"	27.8	"	98.9%	(70-130)	49.0%	"	"	RP-1
C12-C16 Aromatics	"	19.6	---	5.61	"	"	9.73	11.2	88.1%	"	29.9%	"	"	RP-1
C16-C21 Aromatics	"	18.7	---	5.61	"	"	ND	18.7	100%	"	10.7%	"	"	
C21-C34 Aromatics	"	32.7	---	5.61	"	"	ND	29.9	109%	"	12.0%	"	"	
Surrogate(s):	<i>o</i> -Terphenyl	Recovery:	93.0%	Limits:	60-140%	"							12/01/06 15:38	
	<i>l</i> -Chlorooctadecane		100%		60-140%	"							12/01/06 15:06	

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*Kate Haney*

Kate Haney, Project Manager

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**Cambria - Seattle**  
 8620 Holly Drive, Suite 210  
 Everett, WA 98208

Project Name: **Shell - 6808 196th SW, Lynnwood**  
 Project Number: 248-1739  
 Project Manager: Justin Foslien

Report Created:  
 12/08/06 18:57

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

QC Batch: 6K30060 Soil Preparation Method: EPA 3050B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes		
<b>Blank (6K30060-BLK1)</b>													Extracted: 11/30/06 17:12			
Lead	EPA 6020	ND	---	0.500	mg/kg wet	1x	--	--	--	--	--	--	12/01/06 12:01			
<b>LCS (6K30060-BS1)</b>													Extracted: 11/30/06 17:12			
Lead	EPA 6020	42.5	---	0.500	mg/kg wet	1x	--	40.0	106%	(80-120)	--	--	12/01/06 11:14			
<b>Duplicate (6K30060-DUP1)</b>													QC Source: BPK0570-01		Extracted: 11/30/06 17:12	
Lead	EPA 6020	1.29	---	0.532	mg/kg dry	1x	0.962	--	--	--	29.1% (30)	--	12/01/06 11:32			
<b>Matrix Spike (6K30060-MS1)</b>													QC Source: BPK0570-01		Extracted: 11/30/06 17:12	
Lead	EPA 6020	45.0	---	0.543	mg/kg dry	1x	0.962	43.5	101%	(29-166)	--	--	12/01/06 11:26			
<b>Post Spike (6K30060-PS1)</b>													QC Source: BPK0570-01		Extracted: 11/30/06 17:12	
Lead	EPA 6020	0.0988	---		ug/ml	1x	0.00181	0.0995	97.5%	(75-125)	--	--	12/01/06 11:20			

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Kate Haney, Project Manager

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<b>Cambria - Seattle</b> 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name: <b>Shell - 6808 196th SW, Lynnwood</b> Project Number: 248-1739 Project Manager: Justin Foslien	Report Created: 12/08/06 18:57
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**Polychlorinated Biphenyls by EPA Method 8082 - Laboratory Quality Control Results**  
 TestAmerica - Seattle, WA

QC Batch: 6K27027      Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Blank (6K27027-BLK1)</b>													Extracted: 11/27/06 10:36	
Aroclor 1016 [2C]	EPA 8082	ND	---	25.0	ug/kg wet	1x	--	--	--	--	--	--	11/29/06 18:33	
Aroclor 1221	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
Aroclor 1232	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
Aroclor 1242	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
Aroclor 1248	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
Aroclor 1254	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
Aroclor 1260 [2C]	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
Aroclor 1262	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
Aroclor 1268	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	

Surrogate(s): TCX [2C]      Recovery: 102%      Limits: 39-139%      "      11/29/06 18:33  
 Decachlorobiphenyl [2C]      106%      33-163%      "      "

<b>LCS (6K27027-BS1)</b>													Extracted: 11/27/06 10:36	MNR
Aroclor 1016 [2C]	EPA 8082	78.0	---	25.0	ug/kg wet	1x	--	83.3	93.6%	(54-125)	--	--	11/29/06 18:51	
Aroclor 1260 [2C]	"	80.2	---	25.0	"	"	--	"	96.3%	(58-128)	--	--	"	

Surrogate(s): TCX [2C]      Recovery: 99.1%      Limits: 39-139%      "      11/29/06 18:51  
 Decachlorobiphenyl [2C]      101%      33-163%      "      "

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Kate Haney, Project Manager

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<b>Cambria - Seattle</b> 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name: <b>Shell - 6808 196th SW, Lynnwood</b> Project Number: 248-1739 Project Manager: Justin Foslien	Report Created: 12/08/06 18:57
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**Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Laboratory Quality Control Results**  
 TestAmerica - Seattle, WA

QC Batch: 6K27029      Soil Preparation Method: EPA 3545

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Blank (6K27029-BLK2)</b>														
Extracted: 11/27/06 10:39														
Acenaphthene	8270C-SIM	ND	---	0.0100	mg/kg wet	1x	--	--	--	--	--	--	12/01/06 17:01	
Acenaphthylene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (b & k) fluoranthene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Dibenz (a,h) anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
1-Methylnaphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
2-Methylnaphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Surrogate(s): p-Terphenyl-d14      Recovery: 99.3%      Limits: 50-147%      "      12/01/06 17:01														

<b>LCS (6K27029-BS2)</b>														
Extracted: 11/27/06 10:39														
Acenaphthene	8270C-SIM	0.595	---	0.0100	mg/kg wet	1x	--	0.667	89.2%	(70-125)	--	--	12/01/06 17:26	
Acenaphthylene	"	0.634	---	0.0100	"	"	--	"	95.1%	(70-133)	--	--	"	
Anthracene	"	0.681	---	0.0100	"	"	--	"	102%	(70-152)	--	--	"	
Benzo (a) anthracene	"	0.524	---	0.0100	"	"	--	"	78.6%	(60-125)	--	--	"	
Benzo (a) pyrene	"	0.649	---	0.0100	"	"	--	"	97.3%	(64-134)	--	--	"	
Benzo (b) fluoranthene	"	0.624	---	0.0100	"	"	--	"	93.6%	(62-147)	--	--	"	
Benzo (k) fluoranthene	"	0.619	---	0.0100	"	"	--	"	92.8%	(60-144)	--	--	"	
Benzo (ghi) perylene	"	0.590	---	0.0100	"	"	--	"	88.5%	(57-137)	--	--	"	
Chrysene	"	0.628	---	0.0100	"	"	--	"	94.2%	(70-139)	--	--	"	
Dibenz (a,h) anthracene	"	0.636	---	0.0100	"	"	--	"	95.4%	(56-140)	--	--	"	
Fluoranthene	"	0.632	---	0.0100	"	"	--	"	94.8%	(70-141)	--	--	"	
Fluorene	"	0.670	---	0.0100	"	"	--	"	100%	(76-132)	--	--	"	
Indeno (1,2,3-cd) pyrene	"	0.617	---	0.0100	"	"	--	"	92.5%	(55-138)	--	--	"	
1-Methylnaphthalene	"	0.612	---	0.0100	"	"	--	"	91.8%	(46-128)	--	--	"	
2-Methylnaphthalene	"	0.636	---	0.0100	"	"	--	"	95.4%	(41-125)	--	--	"	
Naphthalene	"	0.607	---	0.0100	"	"	--	"	91.0%	(43-125)	--	--	"	
Phenanthrene	"	0.580	---	0.0100	"	"	--	"	87.0%	(73-125)	--	--	"	

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*Kate Haney*

Kate Haney, Project Manager

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<b>Cambria - Seattle</b> 8620 Holly Drive, Suite 210 Everett, WA 98208	<b>Project Name:</b> Shell - 6808 196th SW, Lynnwood <b>Project Number:</b> 248-1739 <b>Project Manager:</b> Justin Foslien	<b>Report Created:</b> 12/08/06 18:57
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**Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Laboratory Quality Control Results**  
 TestAmerica - Seattle, WA

**QC Batch:** 6K27029      **Soil Preparation Method:** EPA 3545

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
---------	--------	--------	------	-----	-------	-----	---------------	-----------	-------	----------	-------	----------	----------	-------

**LCS (6K27029-BS2)** Extracted: 11/27/06 10:39

Pyrene	8270C-SIM	0.602	---	0.0100	mg/kg wet	1x	--	0.667	90.3%	(68-140)	--	--	12/01/06 17:26	
<i>Surrogate(s): p-Terphenyl-d14</i>		<i>Recovery: 94.1%</i>		<i>Limits: 50-147%</i>		<i>"</i>						<i>12/01/06 17:26</i>		

**Matrix Spike (6K27029-MS2)** QC Source: BPK0570-06      Extracted: 11/27/06 10:39

Acenaphthene	8270C-SIM	0.599	---	0.0110	mg/kg dry	1x	ND	0.737	81.3%	(67-132)	--	--	12/01/06 17:52	
Acenaphthylene	"	0.644	---	0.0110	"	"	ND	"	87.4%	(65-142)	--	--	"	
Anthracene	"	0.761	---	0.0110	"	"	ND	"	103%	(66-158)	--	--	"	
Benzo (a) anthracene	"	0.569	---	0.0110	"	"	ND	"	77.2%	(41-156)	--	--	"	
Benzo (a) pyrene	"	0.689	---	0.0110	"	"	ND	"	93.5%	(52-148)	--	--	"	
Benzo (b) fluoranthene	"	0.707	---	0.0110	"	"	ND	"	95.9%	(53-151)	--	--	"	
Benzo (k) fluoranthene	"	0.604	---	0.0110	"	"	ND	"	82.0%	(46-161)	--	--	"	
Benzo (ghi) perylene	"	0.630	---	0.0110	"	"	ND	"	85.5%	(26-154)	--	--	"	
Chrysene	"	0.674	---	0.0110	"	"	ND	"	91.5%	(55-155)	--	--	"	
Dibenz (a,h) anthracene	"	0.669	---	0.0110	"	"	ND	"	90.8%	(27-157)	--	--	"	
Fluoranthene	"	0.694	---	0.0110	"	"	ND	"	94.2%	(46-172)	--	--	"	
Fluorene	"	0.687	---	0.0110	"	"	ND	"	93.2%	(66-143)	--	--	"	
Indeno (1,2,3-cd) pyrene	"	0.655	---	0.0110	"	"	ND	"	88.9%	(24-159)	--	--	"	
1-Methylnaphthalene	"	0.594	---	0.0110	"	"	ND	"	80.6%	(39-140)	--	--	"	
2-Methylnaphthalene	"	0.624	---	0.0110	"	"	ND	"	84.7%	(32-139)	--	--	"	
Naphthalene	"	0.592	---	0.0110	"	"	0.00193	"	80.1%	(38-134)	--	--	"	
Phenanthrene	"	0.624	---	0.0110	"	"	ND	"	84.7%	(63-139)	--	--	"	
Pyrene	"	0.648	---	0.0110	"	"	ND	"	87.9%	(51-172)	--	--	"	
<i>Surrogate(s): p-Terphenyl-d14</i>		<i>Recovery: 89.8%</i>		<i>Limits: 50-147%</i>		<i>"</i>						<i>12/01/06 17:52</i>		

**Matrix Spike Dup (6K27029-MSD2)** QC Source: BPK0570-06      Extracted: 11/27/06 10:39

Acenaphthene	8270C-SIM	0.597	---	0.0111	mg/kg dry	1x	ND	0.742	80.5%	(67-132)	0.334% (50)		12/01/06 19:08	
Acenaphthylene	"	0.631	---	0.0111	"	"	ND	"	85.0%	(65-142)	2.04%	"	"	
Anthracene	"	0.746	---	0.0111	"	"	ND	"	101%	(66-158)	1.99%	"	"	
Benzo (a) anthracene	"	0.581	---	0.0111	"	"	ND	"	78.3%	(41-156)	2.09%	"	"	
Benzo (a) pyrene	"	0.687	---	0.0111	"	"	ND	"	92.6%	(52-148)	0.291%	"	"	
Benzo (b) fluoranthene	"	0.698	---	0.0111	"	"	ND	"	94.1%	(53-151)	1.28%	"	"	
Benzo (k) fluoranthene	"	0.580	---	0.0111	"	"	ND	"	78.2%	(46-161)	4.05%	"	"	
Benzo (ghi) perylene	"	0.623	---	0.0111	"	"	ND	"	84.0%	(26-154)	1.12%	"	"	
Chrysene	"	0.672	---	0.0111	"	"	ND	"	90.6%	(55-155)	0.297% (44)		"	
Dibenz (a,h) anthracene	"	0.655	---	0.0111	"	"	ND	"	88.3%	(27-157)	2.11% (50)		"	
Fluoranthene	"	0.683	---	0.0111	"	"	ND	"	92.0%	(46-172)	1.60%	"	"	
Fluorene	"	0.687	---	0.0111	"	"	ND	"	92.6%	(66-143)	0.00% (52)		"	
Indeno (1,2,3-cd) pyrene	"	0.656	---	0.0111	"	"	ND	"	88.4%	(24-159)	0.153% (43)		"	
1-Methylnaphthalene	"	0.599	---	0.0111	"	"	ND	"	80.7%	(39-140)	0.838% (50)		"	

TestAmerica - Seattle, WA

*Kate Haney*

Kate Haney, Project Manager

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<b>Cambria - Seattle</b> 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name: <b>Shell - 6808 196th SW, Lynnwood</b> Project Number: 248-1739 Project Manager: Justin Foslien	Report Created: 12/08/06 18:57
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**Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Laboratory Quality Control Results**  
 TestAmerica - Seattle, WA

QC Batch: 6K27029      Soil Preparation Method: EPA 3545

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Matrix Spike Dup (6K27029-MSD2)</b>			QC Source: BPK0570-06			Extracted: 11/27/06 10:39								
2-Methylnaphthalene	8270C-SIM	0.613	---	0.0111	mg/kg dry	1x	ND	0.742	82.6%	(32-139)	1.78% (50)		12/01/06 19:08	
Naphthalene	"	0.573	---	0.0111	"	"	0.00193	"	77.0%	(38-134)	3.26%	"	"	"
Phenanthrene	"	0.621	---	0.0111	"	"	ND	"	83.7%	(63-139)	0.482%	"	"	"
Pyrene	"	0.657	---	0.0111	"	"	ND	"	88.5%	(51-172)	1.38%	"	"	"
Surrogate(s): p-Terphenyl-d14		Recovery: 89.3%		Limits: 50-147%										12/01/06 19:08

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<b>Cambria - Seattle</b> 8620 Holly Drive, Suite 210 Everett, WA 98208	Project Name: <b>Shell - 6808 196th SW, Lynnwood</b> Project Number: 248-1739 Project Manager: Justin Foslien	Report Created: 12/08/06 18:57
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**Physical Parameters by APHA/ASTM/EPA Methods - Laboratory Quality Control Results**  
 TestAmerica - Seattle, WA

QC Batch: 6K30050      Soil Preparation Method: Dry Weight

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
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**Blank (6K30050-BLK1)** Extracted: 11/30/06 15:17

Dry Weight	BSOPSPLO0 3R08	100	--	1.00	%	1x	--	--	--	--	--	--	12/01/06 00:00	
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QC Batch: 6K30051      Soil Preparation Method: Dry Weight

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
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**Blank (6K30051-BLK1)** Extracted: 11/30/06 15:18

Dry Weight	BSOPSPLO0 3R08	99.8	---	1.00	%	1x	--	--	--	--	--	--	12/01/06 00:00	
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**Cambria - Seattle**

8620 Holly Drive, Suite 210  
Everett, WA 98208

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

Project Number: 248-1739

Project Manager: Justin Foslien

Report Created:

12/08/06 18:57

## Notes and Definitions

### Report Specific Notes:

- A-01 - Sample contains carryover from previous sample.
- BS-1 - Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the laboratory control limits. Analyte not detected, data not impacted.
- BS-5 - Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the laboratory control limits. A high bias to sample results is indicated.
- C - Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
- H2 - Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
- L1 - Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
- M1 - The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- M2 - The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- MNR - No results were reported for the MS/MSD. The sample used for the MS/MSD required dilution due to the sample matrix. Because of this, the spike compounds were diluted below the detection limit.
- MS-2 - The Matrix Spike and/or Matrix Spike Duplicate were below the acceptance limits due to sample matrix interference. See Laboratory Control Sample.
- MS-3 - The Matrix Spike and/or Matrix Spike Duplicate were above the acceptance limits due to sample matrix interference. See Laboratory Control Sample.
- Q5 - Results in the diesel organics range are primarily due to overlap from a gasoline range product.
- R3 - The RPD exceeded the acceptance limit due to sample matrix effects.
- RP-1 - The RPD exceeded the laboratory control limit due to sample matrix interference. The individual analyte QA/QC recoveries, however, were within laboratory control limits.
- RP-3 - The RPD exceeded the laboratory control limit due to sample matrix effects.
- ZX - Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.

### 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.

TestAmerica - Seattle, WA



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.*



**Cambria - Seattle**

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

Project Number: 248-1739

Project Manager: Justin Foslien

Report Created:  
12/08/06 18:57

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.

TestAmerica - Seattle, WA



Kate Haney, Project Manager

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