ENVIRONMENTAL ALLIANCE

December 28, 2007

- *Engineering*
- *Remediation*
- *Consulting*

Ms. Ellen Jackson
Maryland Department of the Environment
Oil Control Program
1800 Washington Blvd.
Baltimore, Maryland 21230

Re: December 2007 Soil Boring Investigation Results
Wally's Citgo
19200 Middletown Road
Parkton, Maryland
MDE Case # 2006-0319-BA2
Notice of Violation NV-2007-067

Dear Ms. Jackson:

Environmental Alliance, Inc. (Alliance)) on behalf of Carroll Independent Fuel Company (CIFC) has prepared this *December 2007 Soil Boring Investigation Results* letter to document the soil boring activities performed at the above referenced facility (the Site). The investigation activities were conducted in compliance with the Maryland Department of the Environment Oil Control Program (MDE) correspondence dated November 2, 2007 and previous communications with MDE.

A work plan to address any potential petroleum in soils at the Site was presented in the *Hydrogeologic Investigation Update Report, Groundwater Delineation Work Plan, And Soil Alternative Corrective Action Plan* (*Update Report*) by Alliance dated June 13, 2007. Soil borings were proposed to confirm observations made during previous Site investigation activities and further delineate potential soil impacts (if any). In conjunction with the soil boring installation activities, additional soil vapor extraction (SVE) points were proposed for installation and pilot test activities would be conducted to determine if the current SVE system required expansion to address any potential petroleum in Site soils.

During a teleconference call held between CIFC, MDE, and Alliance on August 17, 2007, CIFC discussed plans to close/remove the existing UST system to install a new UST system at the Site. CIFC suggested that any petroleum impacted soils observed surrounding the UST system could be removed during UST system replacement for recycling or disposal. It was agreed during this meeting that upon written approval from MDE, Alliance would move forward with implementing the soil boring investigation work plan phase presented in the *Update Report*. MDE also noted they would withhold any decisions regarding SVE pilot testing until the results of the soil boring investigation and UST system replacement activities could be reviewed.

MDE approved the proposed soil boring investigation activities in their November 2, 2007 letter contingent upon complying with the following comments specified in Item 3. The MDE comments included: a directive to perform continuous soil cores in locations were previous assessment had not been performed; a directive that all investigative derived waste generated during the soil boring investigation be removed for disposal at an MDE approved facility in accordance with State and local regulations; and, as discussed during the August 2007 teleconference call, re-evaluation of SVE pilot testing upon review of the soil boring investigation and other Site activities.

Soil Boring Investigation

On December 4 through December 6, 2007 the soil boring investigation was implemented at the Site by Earth Matters, Inc. (a Maryland licensed drilling contractor) under the supervision of an Alliance geologist. The soil boring investigation activities were performed in accordance with the work plan provided in the *Update Report* and the MDE comments provided in their November 2, 2007 letter as discussed above. The rationale for the proposed soil boring locations was to confirm field screening data previously collected during soil boring and well installation activities as well as define soil sample data showing the presence of petroleum above MDE action levels. Specifics regarding the proposed soil borings are provided in the *Update Report* with final soil boring placement decided in the field with MDE input based on observed field conditions. Refer to the attached Figure 1 for the completed soil boring locations. Soil borings SB-1 through SB-11A shown on Figure 1 were installed during the March 2006 soil investigation activities. Soil borings SB-12 through SB-22 shown on Figure 1 were installed during the December 2007 soil investigation activities. Soil boring logs for borings SB-1 through SB-22 are provided in this report as Attachment 1.

Soil Boring Installation and Sampling Methods

Prior to installation of soil borings, the State subsurface utility mark-out service (Miss Utility) was contacted to identify public utilities at the Site and surrounding area. Notification of the investigation activities schedule was provided to MDE and Site personnel. Prior to beginning each soil boring, bore-hole clearing to check each location for utilities to a depth of 5 feet was performed via a Soft Dig unit that utilized air knife and vacuum excavation technologies. Hand auger soil samples were taken collected during the soft dig to screen soils to 5 feet below ground surface (bgs). Following soft dig activities a 3.25-inch hollow-stem auger (HSA) and split-spoon was used to provide soil samples down to the total depth of each boring. With the exception of SB-12, all soil borings were extended to schist bedrock refusal. Soil boring SB-12 was terminated at 31 feet bgs within the weathered schist bedrock noted beneath the Site. During the soil boring investigation, groundwater was not encountered within any of the soil boring locations.

Split-spoon sampling was performed continuously at all soil boring locations to fully define soil conditions where discreet soil sampling was not previously conducted with the exception of SB-15. Soil boring SB-15 was not continuously sampled from a depth interval of 7-10 feet bgs as this location

replicates the area associated with the SB-3 soil boring that was previously sampled on a continuous basis from grade to a depth of 14 feet bgs. Each soil sample interval was screened with a photo-ionization detector (PID) calibrated to 100 ppmv isobutylene. At least one soil sample was collected for laboratory analysis from each boring at the highest PID reading, and/or at the total depth if all PID readings were below the PID detection limits (<0.1 ppmv PID units). Additional samples were obtained at soil boring locations SB-15 and SB-21 (one at each location) for vertical delineation purposes based on PID screening results and the discretion of the supervising geologist.

All soil samples were collected within laboratory supplied bottle ware and shipped in iced coolers to Lancaster Laboratories, Inc. under chain of custody protocols for full VOCs analysis including oxygenates via EPA Method 8260, TPH-GRO analysis via EPA Method 8015 and TPH-DRO via EPA Method 8015.

All soil boring cuttings generated during the investigation activities have been contained within labeled 55-gallon drums. Upon receiving waste characterization analysis, the soil drums will be removed for recycling or disposal at an MDE permitted facility.

Soil Boring Investigation Results

Investigation observation made by the supervising geologist during the soil boring installation activities including hammer blow counts, split-spoon sample recovery length, and PID values in addition to observed lithology are provided within the soil boring logs (see Attachment 1). Laboratory analytical results for the soil samples collected during the December 2007 investigation are provided in Attachment 2. A summary of laboratory analytical results compared to applicable MDE standards are provided in Table 1 (includes March 2006 and December 2007 investigation data).

A summary of the PID readings observed during boring installation is as follows (refer to soil boring logs in Attachment 1).

- Trace PID detections (0.2 ppmv PID units or less) or readings below instrument detection limits (<0.1 ppmv PID units) were observed throughout soil borings SB-12, SB-16 through SB-20, and SB-22.
- PID detections ranging from 0.2 to 75 ppmv PID units were observed within soil borings SB-13 and SB-15. The highest PID detection of 75 ppmv from boring SB-13 was observed within the unsaturated weathered bedrock just above the refusal depth of 20 feet bgs. The highest PID detection of 70.2 ppmv from boring SB-15 was observed at approximately 15 feet bgs within the unsaturated silt just above the weathered bedrock (saprolite). SB-15 PID screening results decreased with depth to 20.2 ppmv at the refusal depth of 19 feet bgs.
- PID detection ranging from 0.3 to 762 ppmv PID units was observed within soil borings SB-14 and SB-21. The highest PID detection at boring SB-14 was 244 ppmv observed at the top of the weathered schist bedrock, approximately 22 feet bgs. SB-14 PID screening results decreased

with depth to 30 ppmv at the refusal depth of 25 feet bgs. The highest PID detection of 762 ppmv from boring SB-21 was observed within the saprolite at approximately 17 feet bgs. SB-21 PID readings decreased with depth to 19 ppmv at the refusal depth of 21 feet bgs.

The soil analytical results for the 13 samples collected from soil borings SB-12 through SB-22 during the December 2007 investigation showed non-detectable to moderate gasoline COCs (including TPH-GRO and TPH-DRO) concentrations that were below their respective MDE groundwater protection and non-residential clean-up standards (refer to Table 1).

Conclusions

Based on the December 2007 soil analytical data, the following can be concluded (refer to Figure 1, Table 1, and Attachment 1 for supporting information).

- Soil above bedrock in the immediate areas of wells MW-2 through MW-5 that previously showed PID responses interpreted as a potential concern are not impacted by petroleum constituents above MDE standards based on soil data from SB-16, SB-13, SB-12, and SB-19, respectively.
- Soil in the immediate areas of borings SB-3 and SB-5 that previously showed PID responses interpreted as a potential concern (although analytical data did not show concentrations exceeding MDE standards) are further shown not to be impacted by petroleum constituents above MDE standards based on soil data from SB-15 and SB-14, respectively.
- Soil data (laboratory) from the December 2007 borings SB-17, SB-18, and SB-20 through SB-22 in conjunction with data (PID and/or laboratory) from the March 2006 borings SB-1, SB-8, SB-9, SB-10, and SB-11 define the petroleum constituents detected at SB-7 and SB-11A (also from the March 2006 investigation) exceeding MDE standards.
- The December 2007 soil boring investigation confirmed no presence of groundwater above bedrock.
- The PID responses within the fractured bedrock lithology noted in the soil boring / well logs for MW-3 through MW-5 are associated with dissolved petroleum impact to groundwater within the fractured bedrock.

The December 2007 investigation soil data will be used during the UST system removal and new UST system installation scheduled for mid-January 2008 to guide interim remedial excavation activities targeting the SB-7 and SB-11A borings northwest of the current station canopy with two fuel dispensers (refer to Figure 1). The extent of any interim soil remedial excavation activities implemented will be determined in the field based on observations, field screening with a PID, and/or laboratory analysis along with guidance from MDE.

Please feel free to contact me at (302) 995-7544 if you have any questions or require additional information regarding the soil boring investigation activities and results, or other project items.

Sincerely,
ENVIRONMENTAL ALLIANCE, INC.

Andrew J. Applebaum
Geological Services Manager

c: Mr. Randy Childs, Carroll Independent Fuel Company (with electronic copy on CD)
Ms. Yolande Norman, MDE (with electronic copy on CD)
Mr. Herbert Meade, MDE
Mr. Horacio Tablada, MDE
Mr. Kevin Koepenick, Baltimore County – DEPRM

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TABLE 1
SOIL ANALYTICAL DATA
WALLY'S CITGO
19200 MIDDLETOWN RD
PARKTON, MARYLAND

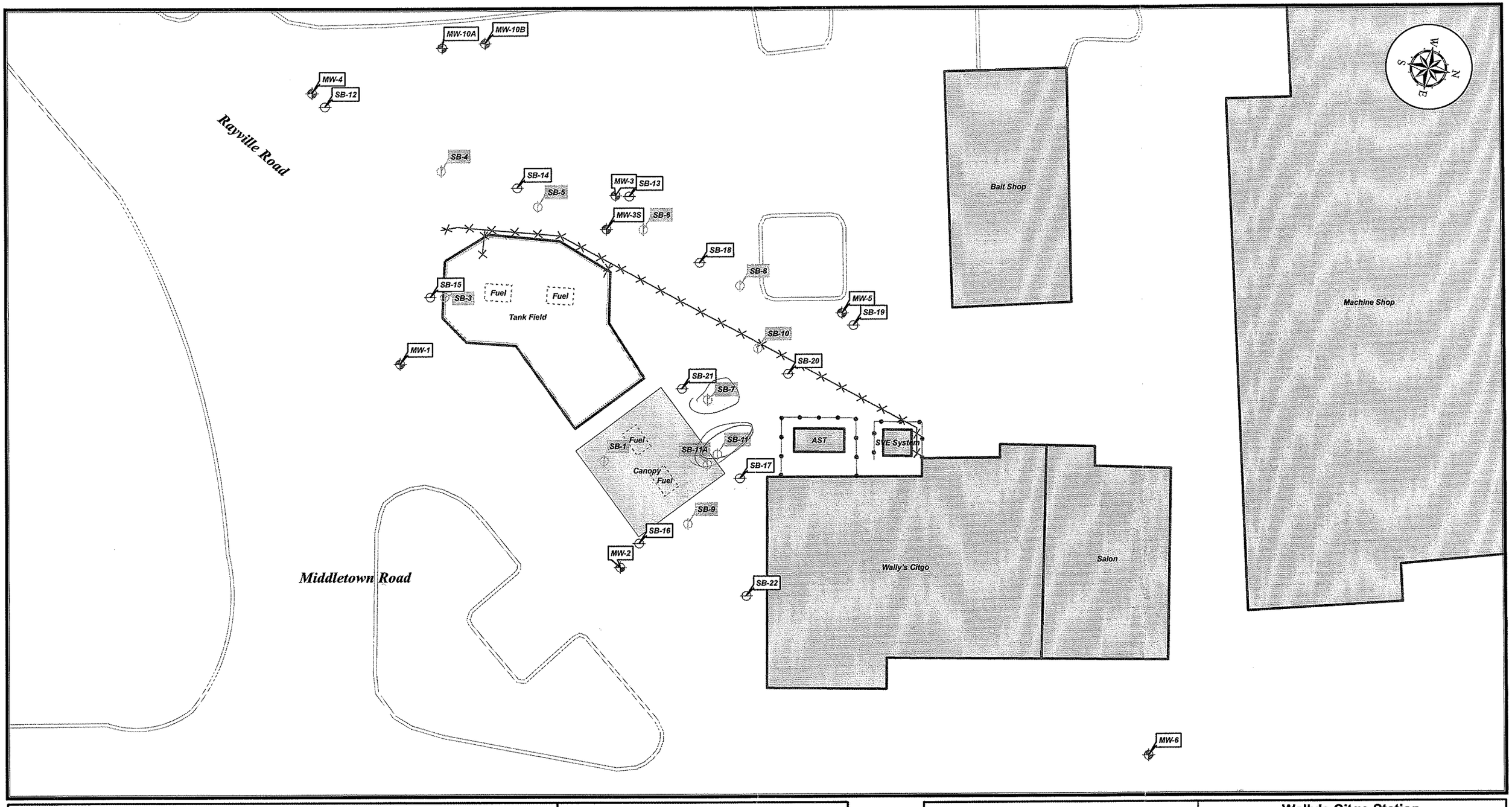
Location ID Sample Date Depth (ft)	MDE GW PROT	MDE NRCS	Analytical Method	Units	SB-1 03/30/06 11' - 12'	SB-3 03/30/06 14' - 15'	SB-5 03/30/06 12' - 13'	SB-7 03/30/06 10' - 11'	SB-8 03/30/06 9' - 10'	SB-11 03/30/06 11' - 12'	SB-11A 03/30/06 1' - 2'
Analyte Name											
BENZENE	5	100,000	SW8260B	ug/kg	< 0.6	< 0.6	< 0.6	< 68	< 0.6	< 0.6	< 75
TOLUENE	8,800	41,000,000	SW8260B	ug/kg	< 1	< 1	< 1	7,200	< 1	< 1	< 150
ETHYLBENZENE	15,000	20,000,000	SW8260B	ug/kg	< 1	< 1	< 1	**21,000**	< 1	< 1	< 150
XYLENES	170,000	410,000,000	SW8260B	ug/kg	< 1	< 1	< 1	160,000	< 1	< 1	< 150
DI-ISOPROPYL ETHER	NG	NG	SW8260B	ug/kg	--	--	--	--	--	--	--
ETHYL T-BUTYL ETHER	NG	NG	SW8260B	ug/kg	--	--	--	--	--	--	--
METHYL TERT-BUTYL ETHER	28,000	2,700,000	SW8260B	ug/kg	18	360	420	< 68	< 0.6	< 0.6	< 75
T-AMYL METHYL ETHER	NG	NG	SW8260B	ug/kg	--	--	--	--	--	--	--
TERT-BUTYL ALCOHOL	NG	NG	SW8260B	ug/kg	--	--	--	--	--	--	--
TPH-DRO	NG	620	SW8015B	mg/kg	--	--	--	**1,700**	--	94	**3,500**
TPH-GRO	NG	620	SW8015B mod	mg/kg	--	--	--	**4,900**	--	11	210

Location ID Sample Date Depth (ft)	MDE GW PROT	MDE NRCS	Analytical Method	Units	SB-12 12/04/07 22' - 23'	SB-13 12/05/07 17' - 20'	SB-14 12/04/07 21' - 22'	SB-15 12/06/07 15' - 16'	SB-15 12/06/07 18' - 19'	SB-16 12/04/07 15' - 17'	SB-17 12/05/07 17' - 19'
Analyte Name											
BENZENE	5	100,000	SW8260B	ug/kg	< 0.6	< 0.5	< 0.6	< 0.5	< 0.5	< 0.5	< 0.5
TOLUENE	8,800	41,000,000	SW8260B	ug/kg	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ETHYLBENZENE	15,000	20,000,000	SW8260B	ug/kg	< 1	< 1	< 1	< 1	< 1	< 1	< 1
XYLENES	170,000	410,000,000	SW8260B	ug/kg	< 1	< 1	< 1	< 1	< 1	< 1	< 1
DI-ISOPROPYL ETHER	NG	NG	SW8260B	ug/kg	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ETHYL T-BUTYL ETHER	NG	NG	SW8260B	ug/kg	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYL TERT-BUTYL ETHER	28,000	2,700,000	SW8260B	ug/kg	6	7	470	59	0.7	3	7
T-AMYL METHYL ETHER	NG	NG	SW8260B	ug/kg	< 1	< 1	8	< 1	< 1	< 1	< 1
TERT-BUTYL ALCOHOL	NG	NG	SW8260B	ug/kg	< 24	1,300	2,200	37	< 21	< 20	< 22
TPH-DRO	NG	620	SW8015B	mg/kg	< 4.5	< 4.3	< 4.4	< 4.3	< 4.1	< 4.3	< 4.6
TPH-GRO	NG	620	SW8015B mod	mg/kg	< 0.2	< 0.2	0.3	< 0.2	< 0.2	< 0.2	< 0.2

TABLE 1
SOIL ANALYTICAL DATA
WALLY'S CITGO
19200 MIDDLETOWN RD
PARKTON, MARYLAND

Location ID Sample Date Depth (ft)	MDE GW PROT	MDE NRCS	Analytical Method	Units	SB-18 12/06/07 8' - 10'	SB-19 12/06/07 19' - 20'	SB-20 12/05/07 11' - 14'	SB-21 12/05/07 16' - 17'	SB-21 12/05/07 19' - 21'	SB-22 12/06/07 13' - 16'
Analyte Name										
BENZENE	5	100,000	SW8260B	ug/kg	< 0.5	< 0.6	< 0.6	< 0.6	< 0.5	< 0.5
TOLUENE	8,800	41,000,000	SW8260B	ug/kg	< 1	< 1	< 1	< 1	< 1	< 1
ETHYLBENZENE	15,000	20,000,000	SW8260B	ug/kg	< 1	< 1	< 1	< 1	< 1	< 1
XYLENES	170,000	410,000,000	SW8260B	ug/kg	< 1	< 1	< 1	< 1	< 1	< 1
DI-ISOPROPYL ETHER	NG	NG	SW8260B	ug/kg	< 1	< 1	< 1	< 1	< 1	< 1
ETHYL T-BUTYL ETHER	NG	NG	SW8260B	ug/kg	< 1	< 1	< 1	< 1	< 1	< 1
METHYL TERT-BUTYL ETHER	28,000	2,700,000	SW8260B	ug/kg	1	2	6	300	61	< 0.5
T-AMYL METHYL ETHER	NG	NG	SW8260B	ug/kg	< 1	< 1	< 1	2	< 1	< 1
TERT-BUTYL ALCOHOL	NG	NG	SW8260B	ug/kg	< 21	< 24	33	670	510	< 21
TPH-DRO	NG	620	SW8015B	mg/kg	< 4.3	< 4.5	< 4.6	< 4.4	< 4.6	< 4.2
TPH-GRO	NG	620	SW8015B mod	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2

NG = No Guidance
-- = indicates constituent was not analyzed for
< = indicates not detected at or above specified detection limit
MDE GWPROT = Maryland Department of the Environment, Protection of Groundwater, August 2001
MDE NRCS = Maryland Department of the Environment, Non-Residential Cleanup Standards, August 2001
Results formatted in **bold** are in exceedance of the applicable MDE guidelines



Legend

- Soil Borings, March 2006
- Soil Borings, December 2007
- Monitoring Wells
- Potable Wells
- Edge of Pavement
- Fence
- SVE Trench
- Building
- Canopy
- Dispenser
- Gravel
- Tank Field

0 25 50 Feet

1 inch equals 23 feet

Source:
-Site features based on Baltimore County GIS data.

Environmental Alliance, Inc.

1812 Newport Gap Pike - Wilmington, DE 19808
Phone: (302) 995-7544 - Fax: (302) 995-0941

Wally's Citgo Station
19200 Middletown Road
Parkton, MD

Soil Boring Locations

DRAWN BY:	FILE NAME:	SCALE:	FIGURE NO:
AGG	1962-Mon Wells (6-07)Simp	SEE DRAWING	1
APPROVED BY:	PROJECT NO:	DATE:	
AJA	1962	6/11/07	

ATTACHMENT 1

Log of Boring: SB-1

Date Started: 03/30/06
Date Completed: 03/30/06
Total Depth (ft): 15.00
Boring Diameter (in): 2
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark:

Project Code: 1962
Project Name: Carroll Fuel - Parkton
Drilled By: Eichelbergers
Logged By: Chris Thoeny
Drill Rig: Geoprobe 6620 DT
Drill Method: Direct Push
Sampling Method: Macrocore

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID Units	Lithological Description	Interpreted Lithology	Well Construction	Comments
0	1				0.4	ASPHALT: Asphalt, gravel.			Hand auger and probe through gravel zones.
					1.3 2.8	ML: Green-brown to orange micaceous silt, clayey with minor gravel. At 5' changes to pink with schist fragments at 4.5'.			
-5	2		42		1.3 1.1 1.0	SM: Large quartz gravel then, damp, pink-orange silty clayey micaceous sand. Very damp and weathered at 9'.			
-10	3		48		2.7 1.3 0.2 1.0	SAPROLITE: Relict bedding, approx. 30 degrees from horizontal. Very damp.			Collect sample at 11-12'. Refusal at 15'.
-15									

Log of Boring: SB-3

Date Started: 03/30/06
Date Completed: 03/30/06
Total Depth (ft): 14.50
Boring Diameter (in): 2
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark:

Project Code: 1962
Project Name: Carroll Fuel - Parkton
Drilled By: Eichelbergers
Logged By: Chris Thoeny
Drill Rig: Geoprobe 6620 DT
Drill Method: Direct Push
Sampling Method: Macrocore

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID Units	Lithological Description	Interpreted Lithology	Well Construction	Comments
0	1				0.0	ASPHALT: Asphalt and gravel.			
						CL: Brown clay (possibly fill material), changing to light tan sandy silty at 3'			
						ML: Light tan sandy silt.			
	2		12		0.2	SM: Pink and orange brown silty fine grain sand with minor schist fragments at bottom.			
-5	3		45		0.1	SM: Moist red silty fine grain sand with weathered rock fragments.			
					0.0				
					0.1				
					0.4				
					1.8				
-10	4		48			SM: As above to 10.5'.			
					4.2	SAPROLITE: Orange & silver-gray (with satiny / greasy texture) with relict structure.			
					1.2				
					10.2				
					17.4				Collected sample at 14-15'. Refusal at 14.5'.
-15					27.4				

Log of Boring: SB-4

Date Started: 03/30/06
Date Completed: 03/30/06
Total Depth (ft): 14.10
Boring Diameter (in): 2
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark:

Project Code: 1962
Project Name: Carroll Fuel - Parkton
Drilled By: Eichelbergers
Logged By: Chris Thoeny
Drill Rig: Geoprobe 6620 DT
Drill Method: Direct Push
Sampling Method: Macrocore

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID Units	Lithological Description	Interpreted Lithology	Well Construction	Comments
0	1				0.0	ASPHALT: Asphalt, gravel.			
						ML: Brown silt, micaceous.			
	2		44		0.0	ML: Maroon and green-brown micaceous silt / sand with weathered schist.			
-5	3		44		0.0	SAPROLITE: Silver and pink micaceous saprolite with weathered schist fragments. Moist to damp with greasy texture and minor relict bedding at approximately 30 degrees from horizontal.			
-10	4		48		0.2 1.1 1.3	SAPROLITE: Saprolite as above, very moist. Schist at bottom steeper bedding than above.			
-15									

Log of Boring: SB-5

Date Started: 03/30/06
Date Completed: 03/30/06
Total Depth (ft): 13.00
Boring Diameter (in): 2
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark:

Project Code: 1962
Project Name: Carroll Fuel - Parkton
Drilled By: Eichelbergers
Logged By: Chris Thoeny
Drill Rig: Geoprobe 6620 DT
Drill Method: Direct Push
Sampling Method: Macrocore

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID Units	Lithological Description	Interpreted Lithology	Well Construction	Comments
0	1				0.0	ASPHALT: Asphalt, gravel.			
						CL: Brown silty clay, micaceous, damp. Small schist fragments at 4.5'.			
					0.2				
-5	2		44		0.8	SAPROLITE: Gray/silver and maroon micaceous silty sand with weathered rock fragments. Relict bedding at approximately 40 degrees from horizontal.			
					1.4				
					2.6				
					12.3				
-10	3		36		1.7	SAPROLITE: As above with less relict structures. Brown-tan at bottom, odor.			
					12.0				
					12.7				Collected sample at 12-13'.
					45				
-15									

Log of Boring: SB-6

Date Started: 03/30/06
Date Completed: 03/30/06
Total Depth (ft): 11.30
Boring Diameter (in): 2
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark:

Project Code: 1962
Project Name: Carroll Fuel - Parkton
Drilled By: Eichelbergers
Logged By: Chris Thoeny
Drill Rig: Geoprobe 6620 DT
Drill Method: Direct Push
Sampling Method: Macrocore

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID Units	Lithological Description	Interpreted Lithology	Well Construction	Comments
0	1				0.1	ASPHALT: Asphalt gravel.			
	2		40		0.1	ML: Orange brown damp silty clay / clayey silt, micaceous - no odor, gravel at 1'.			
-5	3		60		0.2	ML: Orange- tan micaceous silt.			
					0.2				
					0.4	SAPROLITE: Weathered schist, moist to damp. Maroon, silver, green-brown gravelly at 9'.			
					0.6				
					1.2				
-10	4		12		1.0	SAPROLITE: Weathered schist as above.			Refusal at 11.3'
-15									

Log of Boring: SB-7

Date Started: 03/30/06
Date Completed: 03/30/06
Total Depth (ft): 11.30
Boring Diameter (in): 2
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark:

Project Code: 1962
Project Name: Carroll Fuel - Parkton
Drilled By: Eichelbergers
Logged By: Chris Thoeny
Drill Rig: Geoprobe 6620 DT
Drill Method: Direct Push
Sampling Method: Macrocore

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID Units	Lithological Description	Interpreted Lithology	Well Construction	Comments
0	1				650	ASPHALT: Asphalt, gravel.			
					200	ML: Tan orange sandy silt with petroleum odor.			
	2		11		111	SM: Orange brown sandy silt.			
-5	3		42		600	SM: Moist to damp orange-brown sandy silt grades to pink micaceous and saprolitic.			
					465				
					1632	SAPROLITE			
-10	4		13		1682	SAPROLITE: As above, strong odor.			Collect Sample at 10-11' for BTEX, MTBE Refusal at 11.3'
-15									

Log of Boring: SB-8

Date Started: 03/30/06
Date Completed: 03/30/06
Total Depth (ft): 9.80
Boring Diameter (in): 2
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark:

Project Code: 1962
Project Name: Carroll Fuel - Parkton
Drilled By: Eichelbergers
Logged By: Chris Thoeny
Drill Rig: Geoprobe 6620 DT
Drill Method: Direct Push
Sampling Method: Macrocore

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID Units	Lithological Description	Interpreted Lithology	Well Construction	Comments
0	1				0.3	ASPHALT: Asphalt, gravel.			
						ML: Tan-orange sandy silt and clay.			
	2		12		0.3	CL: Orange-red clay.			
-5	3		47		0.3	SM: Micaceous, gravelly, brown and maroon silty sand.			Collect sample at 9-10' No odor in boring.
						SAPROLITE: Damp to wet with pieces of mica schist. No odor.			
-10									
-15									

Log of Boring: SB-9

Date Started: 03/30/06
Date Completed: 03/30/06
Total Depth (ft): 11.00
Boring Diameter (in): 2
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark:

Project Code: 1962
Project Name: Carroll Fuel - Parkton
Drilled By: Eichelbergers
Logged By: Chris Thoeny
Drill Rig: Geoprobe 6620 DT
Drill Method: Direct Push
Sampling Method: Macrocore

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID Units	Lithological Description	Interpreted Lithology	Well Construction	Comments
0	1					ASPHALT: Asphalt, gravel.			
					0.1	CL: Orange-brown clayey weathered rock fragments.			
					0.2				
					0.5	SAPROLITE: Schist with large quartz / plagioclase gravel at 4.5'.			
-5	2		48		0.0	SAPROLITE: Weathered schist fragments in silty sand, moist. Silver, pink and green-brown.			
					0.0				
					0.0				
					0.0				
-10	3		10		0.5	SAPROLITE: As above, rock fragments at bottom.			Refusal at 11'
-15									

Log of Boring: SB-10

Date Started: 03/30/06
Date Completed: 03/30/06
Total Depth (ft): 7.40
Boring Diameter (in): 2
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark:

Project Code: 1962
Project Name: Carroll Fuel - Parkton
Drilled By: Eichelbergers
Logged By: Chris Thoeny
Drill Rig: Geoprobe 6620 DT
Drill Method: Direct Push
Sampling Method: Macrocore

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID Units	Lithological Description	Interpreted Lithology	Well Construction	Comments
0	1				0.4	ASPHALT: Asphalt, gravel.			Hand augered to 3' (schist).
						SAPROLITE: Weathered schist.			
-5	2		14		0.0	SAPROLITE: Weathered schist.			Refusal at 7.4'
-10									
-15									

Log of Boring: SB-11

Date Started: 03/30/06
Date Completed: 03/30/06
Total Depth (ft): 11.90
Boring Diameter (in): 2
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark:

Project Code: 1962
Project Name: Carroll Fuel - Parkton
Drilled By: Eichelbergers
Logged By: Chris Thoeny
Drill Rig: Geoprobe 6620 DT
Drill Method: Direct Push
Sampling Method: Macrocore

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID Units	Lithological Description	Interpreted Lithology	Well Construction	Comments
0	1		12		55	ASPHALT: Asphalt, gravel.			
						ML: Tan orange silt with piney odor.			
						SM: Tan micaceous silty sand, no odor.			
	2				0.4				
-5	3		47		0.6	SM: Micaceous very silty sand orange-brown, silver-gray and maroon, very moist.			
					1.4				
					0.4				
						SAPROLITE: Weathered large gravel & schist fragment, no odor.			
-10	4		45		4.8	SAPROLITE: Weathered schist maroon and gray, tilted approximately 30 degrees from horizontal.			Collected sample at 11-12'
-15									

Log of Boring: SB-11A

Date Started: 03/30/06
Date Completed: 03/30/06
Total Depth (ft): 3.00
Boring Diameter (in): 2
Bedrock Depth (ft): N/A
Elevation (ft-msl): N/A
Remark:

Project Code: 1962
Project Name: Carroll Fuel - Parkton
Drilled By: Eichelbergers
Logged By: Chris Thoeny
Drill Rig: Geoprobe 6620 DT
Drill Method: Direct Push
Sampling Method: Macrocore

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID Units	Lithological Description	Interpreted Lithology	Well Construction	Comments
0	1		22		371	ASPHALT: Asphalt, gravel.			Sample collected at 1-2'
					26.5	ML: Dense brown clayey silt, with strong piney odor.			
-5									
-10									
-15									

Log of Boring: SB-12

Date Started: 12/04/07
Date Completed: 12/04/07
Total Depth (ft): 31.00
Boring Diameter (in): 6.25
Bedrock Depth (ft): 29
Elevation (ft-msl): N/A
Remark:

Project Code: 1962
Project Name: Carroll Fuel - Parkton
Drilled By: Earth Matters, Inc.
Logged By: Jason Yaple
Drill Rig: Boart Longyear
Drill Method: Hollow Stem Auger
Sampling Method: Split Spoon

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0						FILL: Asphalt and gravel fill.			
					<0.1	ML: Brown highly micaceous silt, graphitic texture.			
					<0.1				
-5	1		8	4-7-11-11	<0.1	ML: Pink, white, black, brown relic schist minerals, schistose bedding, crushes easily.			Soft Dig 0-5'.
					<0.1				
	2		20	10-17-18-18	<0.1				
					<0.1				
	3		17	4-8-11-14	<0.1	ML: Same as above, less schistosity, more relic minerals.			
-10					<0.1				
	4		19	17-28-36-32	<0.1				
					<0.1				
	5		17	14-22-26-32	<0.1				
					<0.1				
-15	6		17	14-20-22-10	<0.1				
					<0.1				
	7		18	10-19-25-32	<0.1				
					<0.1				
	8		12	16-50/4	<0.1	ML: Same as above, more gravel sized relic minerals-quartz.			
-20					<0.1				
	9		18	27-17-28-37					Collected Sample SB-12 22-23' for lab analysis.
					<0.1				
	10		8	27-50/5	0.2				
					<0.1				
-25	11		18	25-25-34-29		SAPROLITE: Tan matrix, little chlorite, saprolite.			
					<0.1				
	12		4	46-50/2	<0.1	SAPROLITE: Chloritic schistose saprolite relic structure and minerals.			
					<0.1				
	13		18	12-38-38-40	<0.1				Terminated boring at 31'.
-30					<0.1	SCHIST: Weathered schist, muscovite, chlorite, quartz.			

Log of Boring: SB-13

Date Started: 12/05/07
Date Completed: 12/05/07
Total Depth (ft): 20.00
Boring Diameter (in): 5
Bedrock Depth (ft): 17
Elevation (ft-msl): N/A
Remark:

Project Code: 1962
Project Name: Carroll Fuel - Parkton
Drilled By: Earth Matters, Inc.
Logged By: Jason Yaple
Drill Rig: Boart Longyear
Drill Method: Hollow Stem Auger
Sampling Method: Split Spoon

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0									
					<0.1	FILL: Asphalt and gravel fill.			
					<0.1	ML: Brown mica silt; 4-5 ft. Same as above with gravel fragments.			
					<0.1				
					<0.1				
-5	1		14	4-7-5-8	<0.1	ML: Pink micaceous silt, relic foliation.			Soft Sig 0-5'.
					<0.1				
	2		14	6-10-12-14	<0.1	ML: Same as above, tan color, some gravel sized fragments.			
					<0.1				
	3		16	6-9-11-8	<0.1				
-10					0.6				
	4		11	12-14-24-38	0.8	ML: Same as above, large quartz gravel fragments.			
					0.4				
	5		7	13-30-50/1	1.1				
					<0.1				
-15	6		14	22-26-32-34	<0.1				
					0.4				
	7		4	50/5	<0.1	SCHIST: Weathered gray/green chlorite schist.			Collected SB-13 17-20' soil sample for lab analysis.
					4.3				
	8		3	50/8	75				Boring Refusal at 20'.
-20									

Log of Boring: SB-14

Date Started: 12/04/07
Date Completed: 12/04/07
Total Depth (ft): 25.00
Boring Diameter (in): 6.25
Bedrock Depth (ft): 22
Elevation (ft-msl): N/A
Remark:

Project Code: 1962
Project Name: Carroll Fuel - Parkton
Drilled By: Earth Matters, Inc.
Logged By: Jason Yaple
Drill Rig: Boart Longyear
Drill Method: Hollow Stem Auger
Sampling Method: Split Spoon

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0						FILL: Asphalt and gravel.			
						ML: Brown mica silt.			
-5						ML: Same as above with gravel sized quartz fragments.			Soft Dig 0-5'.
-10	1		17	25-35-35-36	<0.1	ML: Pink, gray, black, schistose, relic structure and minerals, easily crushes to soapy texture; silt with gravel.			
					<0.1				
	2		14	12-12-15-16	<0.1				
					3.1				
	3		14	8-7-9-12	0.3				
-15					<0.1				
	4		7	9-17-25-30	<0.1				
					15.6				
	5		14	15-27-40-30					
					36				
-20	6		18	15-30-35-40	79.4	SAPROLITE: Same as above, some chlorite, brown color.			Collected sample SB-14 21-22' for lab analysis.
					80				
	7		9	15-26-50/2	244	SCHIST: Weathered schist bedrock; gray, green, muscovite, chlorite, quartz.			
					34				
	8		2	50/4	69				Bedrock Refusal at 25'.
-25					30				

Log of Boring: SB-15

Date Started: 12/06/07
Date Completed: 12/06/07
Total Depth (ft): 19.00
Boring Diameter (in): 5
Bedrock Depth (ft): 19
Elevation (ft-msl): N/A
Remark:

Project Code: 1962
Project Name: Carroll Fuel - Parkton
Drilled By: Earth Matters, Inc.
Logged By: Jason Yaple
Drill Rig: Boart Longyear
Drill Method: Hollow Stem Auger
Sampling Method: Split Spoon

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0						FILL: Asphalt and gravel subbase.			
					<0.1	ML: Brown silt with some gravel fragments.			
					<0.1				
-5	1		8	13-20-25-14	<0.1	ML: Brown-pink silt with gravel bedrock fragments, easily crushes, relic minerals and structure.			Soft Dig 0-5'.
					<0.1				
					<0.1				
-10	2		6	25-50/4		ML: Same as above, more gravel sized fragments, quartz and chlorite (slight green color).			
					0.2				
	3		17	28-21-21-26		ML: Same as above, less gravel, sweet odor, brown color.			
					30.2				
	4		11	19-25-50/5	70.2				Collected SB-15 15-16' soil sample for lab analysis.
-15					49.9				
	5		0	50/5	34.9	SAPROLITE: Weathered gray green schist bedrock.			
	6		6	30-50/4					Collected SB-15 18-19' soil sample for lab analysis.
					20.2				Bedrock Refusal at 19'.
-20									

Log of Boring: SB-16

Date Started: 12/04/07
Date Completed: 12/04/07
Total Depth (ft): 17.00
Boring Diameter (in): 6.25
Bedrock Depth (ft): 15
Elevation (ft-msl): N/A
Remark:

Project Code: 1962
Project Name: Carroll Fuel - Parkton
Drilled By: Earth Matters, Inc.
Logged By: Jason Yaple
Drill Rig: Boart Longyear
Drill Method: Hollow Stem Auger
Sampling Method: Split Spoon

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0									
					<0.1	FILL: Asphalt and gravel; 1-3 ft. schist rock cobbles.			
					<0.1	ML: Brown mica silt.			
					<0.1				
-5	1		20	4-6-6-14	<0.1	ML: Orange-brown, pink, black, silt with few gravel fragments, micaceous, easily crushes to silt, soapy texture.			Soft Dig 0-5'.
					<0.1				
	2		11	26-25-24-12	<0.1	ML: Same as above with little chlorite.			
					<0.1				
	3		15	17-27-50/5	<0.1				
-10					<0.1				
	4		2	50/1	<0.1				
					<0.1				
	5		3	50/2		SAPROLITE: Gray green gravel fragments of weathered bedrock.			Collected SB-16 15-17' sample for lab analysis.
					<0.1				
-15	6			35-40-50/4	<0.1	SCHIST: Weathered chlorite schist bedrock.			
					<0.1				
									Bedrock Refusal 17'.

Log of Boring: SB-17

Date Started: 12/04/07
Date Completed: 12/04/07
Total Depth (ft): 22.00
Boring Diameter (in): 6.25
Bedrock Depth (ft): 21
Elevation (ft-msl): N/A
Remark:

Project Code: 1962
Project Name: Carroll Fuel - Parkton
Drilled By: Earth Matters, Inc.
Logged By: Jason Yaple
Drill Rig: Boart Longyear
Drill Method: Hollow Stem Auger
Sampling Method: Split Spoon

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0									
						FILL: Asphalt and gravel fill.			
					<0.1	ML: Micaceous brown silt.			
					<0.1				
					<0.1				
-5	1		2	4-7-6-7	<0.1	ML: Brown/ tan silt.			Soft Dig 0-5'.
					<0.1				
	2		8	8-6-9-7	<0.1	ML: Tan silt, relic structure and minerals.			
					<0.1				
	3		14	6-12-38-43	<0.1				
-10					<0.1				
	4		17	10-8-41-20	<0.1	ML: Same as above with many quartz gravel fragments.			
					<0.1				
	5		16	9-18-20-36	<0.1	SAPROLITE: Saprolite schistose with garnet and chlorite; 15-21 ft. Same as above with pink color.			
					<0.1				
-15	6		6	17-50/5	<0.1				
					<0.1				
	7		14	14-24-50/5					Collected SB-17 17-19' soil sample for lab analysis.
					<0.1				
	8		13	16-40-50/2	0.2				
-20	9		1	50/3	<0.1				
					<0.1	SCHIST: Gray green schist bedrock.			Refusal at 22'.

Log of Boring: SB-18

Date Started: 12/06/07
Date Completed: 12/06/07
Total Depth (ft): 10.00
Boring Diameter (in): 5
Bedrock Depth (ft): 10
Elevation (ft-msl): N/A
Remark:

Project Code: 1962
Project Name: Carroll Fuel - Parkton
Drilled By: Earth Matters, Inc.
Logged By: Jason Yaple
Drill Rig: Boart Longyear
Drill Method: Hollow Stem Auger
Sampling Method: Split Spoon

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0						FILL: Asphalt and gravel subbase.			
					<0.1	ML: Brown silt.			
					<0.1				
					<0.1	ML: Brown silt with gravel.			
-5	1		19	11-13-13-14	<0.1	ML: Pink, brown silt with some gravel sized weathered schist bedrock fragments relic schist structure and minerals.			Soft Dig 0-5'.
					<0.1				
	2		16	20-19-14-15	<0.1				
					<0.1				
	3		6	8-50/5	0.2				Collected SB-18 8-10' soil sample for lab analysis.
-10					<0.1				Reached weathered bedrock refusal at 10'.

Log of Boring: SB-19

Date Started: 12/06/07
Date Completed: 12/06/07
Total Depth (ft): 20.00
Boring Diameter (in): 5
Bedrock Depth (ft): 20
Elevation (ft-msl): N/A
Remark:

Project Code: 1962
Project Name: Carroll Fuel - Parkton
Drilled By: Earth Matters, Inc.
Logged By: Jason Yaple
Drill Rig: Boart Longyear
Drill Method: Hollow Stem Auger
Sampling Method: Split Spoon

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0						FILL: Asphalt and gravel subbase.			
					<0.1	ML: Silt-brown with weathered bedrock cobbles.			
					<0.1				
-5	1		8	8-10-14-17	<0.1	ML: Pink, brown soft (soapy texture) silt relic minerals.			Soft Dig 0-5'.
					<0.1				
	2		17	14-16-28-50	<0.1	ML: Same as above with some gravel fragments of weathered schist and relic schist structure.			
					<0.1				
	3		18	7-26-30-38	<0.1				
-10					<0.1				
	4		12	15-44-50/5	<0.1				
					<0.1				
	5		12	20-50/5	<0.1	SAPROLITE: Same as above, some chlorite, saprolite.			
					<0.1				
-15	6		3	20-36-38-50		SAPROLITE: Same as above, large quartz fragments.			
					<0.1				
	7		6	32-50/5	<0.1	SAPROLITE: Gray green chlorite schist saprolite.			
					<0.1				
	8		6	38-50/4					Collected SB-19 19-20' soil sample for lab analysis.
-20					<0.1				Schist Bedrock Refusal at 20'.

Log of Boring: SB-20

Date Started: 12/05/07
Date Completed: 12/05/07
Total Depth (ft): 14.00
Boring Diameter (in): 5
Bedrock Depth (ft): 14
Elevation (ft-msl): N/A
Remark:

Project Code: 1962
Project Name: Carroll Fuel - Parkton
Drilled By: Earth Matters, Inc.
Logged By: Jason Yaple
Drill Rig: Boart Longyear
Drill Method: Hollow Stem Auger
Sampling Method: Split Spoon

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0						FILL: Asphalt and gravel subbase.			
						ML: Brown silt with rock cobbles.			
					<0.1				
					<0.1				
-5	1		15	19-26-26-26	<0.1	ML: Pink, brown, mica, easily crushes, relic schist structure and minerals.			Soft Dig 0-5'.
					<0.1				
	2		15	24-36-43-50/3	<0.1				
					<0.1				
	3		8	28-50/4	<0.1	ML: Same as above with more mica and quartz gravel sized fragments.			
-10					<0.1				
	4		6	27-50/4					Collected SB-20 11-14' soil sample for lab analysis.
					<0.1				
	5		1	50/3		SCHIST: Brown weathered schist bedrock.			Bedrock Refusal at 14'.
					<0.1				
-15									

Log of Boring: SB-21

Date Started: 12/05/07
Date Completed: 12/05/07
Total Depth (ft): 21.00
Boring Diameter (in): 5
Bedrock Depth (ft): 21
Elevation (ft-msl): N/A
Remark:

Project Code: 1962
Project Name: Carroll Fuel - Parkton
Drilled By: Earth Matters, Inc.
Logged By: Jason Yaple
Drill Rig: Boart Longyear
Drill Method: Hollow Stem Auger
Sampling Method: Split Spoon

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0						FILL: Asphalt and gravel fill.			
					<0.1	ML: Brown silt with gravel fragments.			
					<0.1	FILL: Silt matrix with concrete and asphalt debris.			
-5	1		0	4-4-4-4	<0.1				Soft Dig 0-5'.
					<0.1				
	2		11	4-12-26-50/3	<0.1	ML: Pink, brown minerals, silt, relic structure and schistosity.			
					<0.1				
	3		10	14-16-50/2	<0.1	ML: Same as above, some gravel fragments of bedrock.			
-10					<0.1				
	4		8	11-50/4	<0.1				
					<0.1				
	5		12	13-15-50/3		SAPROLITE: Begin tan/green chlorite garnet schist saprolite weathered bedrock.			
					<0.1				
-15	6		15	7-25-35-50/4	3.1				Collected SB-21 16-17' soil sample for lab analysis.
					111				
	7		15	15-30-50/4	762				
					230				
	8		12	15-40-50/2	150				Collected SB-21 19-21' for lab analysis.
-20					20				Bedrock Refusal at 21'.
					19				

Log of Boring: SB-22

Date Started: 12/05/07
Date Completed: 12/05/07
Total Depth (ft): 16.00
Boring Diameter (in): 5
Bedrock Depth (ft): 16
Elevation (ft-msl): N/A
Remark:

Project Code: 1962
Project Name: Carroll Fuel - Parkton
Drilled By: Earth Matters, Inc.
Logged By: Jason Yaple
Drill Rig: Boart Longyear
Drill Method: Hollow Stem Auger
Sampling Method: Split Spoon

Depth	Sample Number	Sample Interval	Recovery (inches)	Blow Counts	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0						FILL: Asphalt and gravel subbase.			
						ML: Silt brown.			
					<0.1				
					<0.1				
-5	1		16	22-26-27-25	<0.1	ML: Gray green silt with many gravel sized fragments of bedrock, crushes easily, micaceous, garnet, chlorite relic minerals, relic schist structure.			Soft Dig 0-5'.
					<0.1				
	2		13	20-26-50/1	<0.1				
					<0.1				
	3		14	14-34-40-35	<0.1				
-10					<0.1				
	4		8	28-40-50/5	<0.1				
					<0.1				
	5		4	25-50/3	<0.1	SAPROLITE: Gray green sand sized schist bedrock fragments chloritic mica garnet schist weathered bedrock.			Collected SB-22 13-16' soil sample for lab analysis.
					<0.1				
-15	6		2	35-50/1					Schist bedrock refusal at 16'.
					<0.1				

ATTACHMENT 2

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax:717-656-2681 • www.lancasterlabs.com

Analysis Report

REVISED

ANALYTICAL RESULTS

Prepared for:

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

302-995-7544

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1068895. Samples arrived at the laboratory on Friday, December 07, 2007. The PO# for this group is 1962B-08.

Client Description	Lancaster Labs Number
SB-12-22-23 Grab Soil Sample	5231985
SB-14-21-22 Grab Soil Sample	5231986
SB-16-15-17 Grab Soil Sample	5231987
SB-13-17-20 Grab Soil Sample	5231988
SB-20-11-14 Grab Soil Sample	5231989
SB-21-16-17 Grab Soil Sample	5231990
SB-21-19-21 Grab Soil Sample	5231991
SB-17-17-19 Grab Soil Sample	5231992
SB-22-13-16 Grab Soil Sample	5231993
FB-1 Water Sample	5231994
TB07320 Water Sample	5231995
SB-15-15-16 Grab Soil Sample	5231996
SB-15-18-19 Grab Soil Sample	5231997
SB-18-8-10 Grab Soil Sample	5231998
SB-19-19-20 Grab Soil Sample	5231999

1 COPY TO Environmental Alliance, Inc. Attn: Jessica Paoli

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

REVISED

Questions? Contact your Client Services Representative
Jessica A Heun at (717) 656-2300

Respectfully Submitted,

Adrienne Kuhl

Adrienne Kuhl
Specialist Group Leader

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. SW 5231985

SB-12-22-23 Grab Soil Sample

Collected:12/04/2007 12:15 by JTY

Account Number: 07039

Submitted: 12/07/2007 16:05
Reported: 12/20/2007 at 10:13
Discard: 12/28/2007

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

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CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit	Units	Dilution Factor
08270	TPH-DRO by 8015B	n.a.	N.D.		4.5	mg/kg	1
00111	Moisture	n.a.	11.1		0.50	%	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						
01637	TPH-GRO 8015B - soil						
01641	TPH-GRO 8015B - soil	n.a.	N.D.		0.2	mg/kg	25
07584	PPL + Oxys in Soil						
02016	Methyl Tertiary Butyl Ether	1634-04-4	6.	J	0.6	ug/kg	1.05
02017	di-Isopropyl ether	108-20-3	N.D.		1.	ug/kg	1.05
02018	Ethyl t-butyl ether	637-92-3	N.D.		1.	ug/kg	1.05
02019	t-Amyl methyl ether	994-05-8	N.D.		1.	ug/kg	1.05
02020	t-Butyl alcohol	75-65-0	N.D.		24.	ug/kg	1.05
05444	Chloromethane	74-87-3	N.D.		2.	ug/kg	1.05
05445	Vinyl Chloride	75-01-4	N.D.		1.	ug/kg	1.05
05446	Bromomethane	74-83-9	N.D.		2.	ug/kg	1.05
05447	Chloroethane	75-00-3	N.D.		2.	ug/kg	1.05
05448	Trichlorofluoromethane	75-69-4	N.D.		2.	ug/kg	1.05
05449	1,1-Dichloroethene	75-35-4	N.D.		1.	ug/kg	1.05
05450	Methylene Chloride	75-09-2	N.D.		2.	ug/kg	1.05
05451	trans-1,2-Dichloroethene	156-60-5	N.D.		1.	ug/kg	1.05
05452	1,1-Dichloroethane	75-34-3	N.D.		1.	ug/kg	1.05
05454	cis-1,2-Dichloroethene	156-59-2	N.D.		1.	ug/kg	1.05
05455	Chloroform	67-66-3	N.D.		1.	ug/kg	1.05
05457	1,1,1-Trichloroethane	71-55-6	N.D.		1.	ug/kg	1.05
05458	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/kg	1.05
05460	Benzene	71-43-2	N.D.		0.6	ug/kg	1.05
05461	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/kg	1.05
05462	Trichloroethene	79-01-6	N.D.		1.	ug/kg	1.05
05463	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/kg	1.05
05465	Bromodichloromethane	75-27-4	N.D.		1.	ug/kg	1.05
05466	Toluene	108-88-3	N.D.		1.	ug/kg	1.05
05467	1,1,2-Trichloroethane	79-00-5	N.D.		1.	ug/kg	1.05
05468	Tetrachloroethene	127-18-4	N.D.		1.	ug/kg	1.05
05470	Dibromochloromethane	124-48-1	N.D.		1.	ug/kg	1.05
05472	Chlorobenzene	108-90-7	N.D.		1.	ug/kg	1.05
05474	Ethylbenzene	100-41-4	N.D.		1.	ug/kg	1.05
05478	Bromoform	75-25-2	N.D.		1.	ug/kg	1.05

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Analysis Report

Lancaster Laboratories Sample No. SW 5231985

SB-12-22-23 Grab Soil Sample

Collected:12/04/2007 12:15 by JTY

Account Number: 07039

Submitted: 12/07/2007 16:05
Reported: 12/20/2007 at 10:13
Discard: 12/28/2007

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

12223

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/kg	1.05
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/kg	1.05
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/kg	1.05
06301	Xylene (Total)	1330-20-7	N.D.	1.	ug/kg	1.05
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/kg	1.05
07586	Acrolein	107-02-8	N.D.	24.	ug/kg	1.05
07587	Acrylonitrile	107-13-1	N.D.	5.	ug/kg	1.05

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08270	TPH-DRO by 8015B	SW-846 8015B	1	12/11/2007 17:35	Heather E Williams	1
00111	Moisture	SM20 2540 G	1	12/10/2007 18:50	Scott W Freisher	1
01637	TPH-GRO 8015B - soil	SW-846 8015B modified	1	12/10/2007 10:41	Linda C Pape	25
07584	PPL + Oxys in Soil	SW-846 8260B	1	12/12/2007 02:25	Holly Berry	1.05
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	12/08/2007 14:28	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	12/08/2007 14:29	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	12/08/2007 17:28	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	12/08/2007 14:55	Larry E Bevins	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	12/10/2007 11:00	Olivia Arosemena	1

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Analysis Report

Lancaster Laboratories Sample No. SW 5231986

SB-14-21-22 Grab Soil Sample

Collected:12/04/2007 14:30 by JTY

Account Number: 07039

Submitted: 12/07/2007 16:05
Reported: 12/20/2007 at 10:14
Discard: 12/28/2007

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

14212
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CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit	Units	Dilution Factor
08270	TPH-DRO by 8015B	n.a.	N.D.		4.4	mg/kg	1
00111	Moisture	n.a.	9.7		0.50	%	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						
01637	TPH-GRO 8015B - soil						
01641	TPH-GRO 8015B - soil	n.a.	0.3	J	0.2	mg/kg	25
07584	PPL + Oxys in Soil						
02016	Methyl Tertiary Butyl Ether	1634-04-4	470.		27.	ug/kg	48.26
02017	di-Isopropyl ether	108-20-3	N.D.		1.	ug/kg	1.03
02018	Ethyl t-butyl ether	637-92-3	N.D.		1.	ug/kg	1.03
02019	t-Amyl methyl ether	994-05-8	8.		1.	ug/kg	1.03
02020	t-Butyl alcohol	75-65-0	2,200.	J	1,100.	ug/kg	48.26
05444	Chloromethane	74-87-3	N.D.		2.	ug/kg	1.03
05445	Vinyl Chloride	75-01-4	N.D.		1.	ug/kg	1.03
05446	Bromomethane	74-83-9	N.D.		2.	ug/kg	1.03
05447	Chloroethane	75-00-3	N.D.		2.	ug/kg	1.03
05448	Trichlorofluoromethane	75-69-4	N.D.		2.	ug/kg	1.03
05449	1,1-Dichloroethene	75-35-4	N.D.		1.	ug/kg	1.03
05450	Methylene Chloride	75-09-2	3.	J	2.	ug/kg	1.03
05451	trans-1,2-Dichloroethene	156-60-5	N.D.		1.	ug/kg	1.03
05452	1,1-Dichloroethane	75-34-3	N.D.		1.	ug/kg	1.03
05454	cis-1,2-Dichloroethene	156-59-2	N.D.		1.	ug/kg	1.03
05455	Chloroform	67-66-3	N.D.		1.	ug/kg	1.03
05457	1,1,1-Trichloroethane	71-55-6	N.D.		1.	ug/kg	1.03
05458	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/kg	1.03
05460	Benzene	71-43-2	N.D.		0.6	ug/kg	1.03
05461	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/kg	1.03
05462	Trichloroethene	79-01-6	N.D.		1.	ug/kg	1.03
05463	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/kg	1.03
05465	Bromodichloromethane	75-27-4	N.D.		1.	ug/kg	1.03
05466	Toluene	108-88-3	N.D.		1.	ug/kg	1.03
05467	1,1,2-Trichloroethane	79-00-5	N.D.		1.	ug/kg	1.03
05468	Tetrachloroethene	127-18-4	N.D.		1.	ug/kg	1.03
05470	Dibromochloromethane	124-48-1	N.D.		1.	ug/kg	1.03
05472	Chlorobenzene	108-90-7	N.D.		1.	ug/kg	1.03
05474	Ethylbenzene	100-41-4	N.D.		1.	ug/kg	1.03
05478	Bromoform	75-25-2	N.D.		1.	ug/kg	1.03

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Analysis Report

Lancaster Laboratories Sample No. SW 5231986

SB-14-21-22 Grab Soil Sample

Collected:12/04/2007 14:30 by JTY

Account Number: 07039

Submitted: 12/07/2007 16:05
Reported: 12/20/2007 at 10:14
Discard: 12/28/2007

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

14212

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/kg	1.03
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/kg	1.03
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/kg	1.03
06301	Xylene (Total)	1330-20-7	N.D.	1.	ug/kg	1.03
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/kg	1.03
07586	Acrolein	107-02-8	N.D.	23.	ug/kg	1.03
07587	Acrylonitrile	107-13-1	N.D.	5.	ug/kg	1.03

The concentration reported for t-butyl alcohol is estimated since it exceeded the calibration range of the instrument when determined by the low level method, but was less than the quantitation limit when determined by the high level method. The result reported is from the high level determination.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08270	TPH-DRO by 8015B	SW-846 8015B	1	12/11/2007 17:58	Heather E Williams	1
00111	Moisture	SM20 2540 G	1	12/10/2007 18:50	Scott W Freisher	1
01637	TPH-GRO 8015B - soil	SW-846 8015B modified	1	12/10/2007 17:46	Linda C Pape	25
07584	PPL + Oxys in Soil	SW-846 8260B	1	12/12/2007 02:48	Holly Berry	1.03
07584	PPL + Oxys in Soil	SW-846 8260B	1	12/12/2007 14:39	Kerri E Koch	48.26
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	12/08/2007 14:30	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	12/08/2007 14:31	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	12/08/2007 17:27	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	12/08/2007 14:56	Larry E Bevins	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	12/10/2007 11:00	Olivia Arosemena	1

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Analysis Report

REVISED

Lancaster Laboratories Sample No. SW 5231987

SB-16-15-17 Grab Soil Sample

Collected:12/04/2007 16:15 by JTY

Account Number: 07039

Submitted: 12/07/2007 16:05
Reported: 12/20/2007 at 10:14
Discard: 12/28/2007

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

16157
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CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit	Units	Dilution Factor
08270	TPH-DRO by 8015B	n.a.	N.D.		4.3	mg/kg	1
00111	Moisture	n.a.	7.2		0.50	%	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						
01637	TPH-GRO 8015B - soil						
01641	TPH-GRO 8015B - soil	n.a.	N.D.		0.2	mg/kg	25
07584	PPL + Oxys in Soil						
02016	Methyl Tertiary Butyl Ether	1634-04-4	3.	J	0.5	ug/kg	0.93
02017	di-Isopropyl ether	108-20-3	N.D.		1.	ug/kg	0.93
02018	Ethyl t-butyl ether	637-92-3	N.D.		1.	ug/kg	0.93
02019	t-Amyl methyl ether	994-05-8	N.D.		1.	ug/kg	0.93
02020	t-Butyl alcohol	75-65-0	N.D.		20.	ug/kg	0.93
05444	Chloromethane	74-87-3	N.D.		2.	ug/kg	0.93
05445	Vinyl Chloride	75-01-4	N.D.		1.	ug/kg	0.93
05446	Bromomethane	74-83-9	N.D.		2.	ug/kg	0.93
05447	Chloroethane	75-00-3	N.D.		2.	ug/kg	0.93
05448	Trichlorofluoromethane	75-69-4	N.D.		2.	ug/kg	0.93
05449	1,1-Dichloroethene	75-35-4	N.D.		1.	ug/kg	0.93
05450	Methylene Chloride	75-09-2	2.	J	2.	ug/kg	0.93
05451	trans-1,2-Dichloroethene	156-60-5	N.D.		1.	ug/kg	0.93
05452	1,1-Dichloroethane	75-34-3	N.D.		1.	ug/kg	0.93
05454	cis-1,2-Dichloroethene	156-59-2	N.D.		1.	ug/kg	0.93
05455	Chloroform	67-66-3	N.D.		1.	ug/kg	0.93
05457	1,1,1-Trichloroethane	71-55-6	N.D.		1.	ug/kg	0.93
05458	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/kg	0.93
05460	Benzene	71-43-2	N.D.		0.5	ug/kg	0.93
05461	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/kg	0.93
05462	Trichloroethene	79-01-6	N.D.		1.	ug/kg	0.93
05463	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/kg	0.93
05465	Bromodichloromethane	75-27-4	N.D.		1.	ug/kg	0.93
05466	Toluene	108-88-3	N.D.		1.	ug/kg	0.93
05467	1,1,2-Trichloroethane	79-00-5	N.D.		1.	ug/kg	0.93
05468	Tetrachloroethene	127-18-4	N.D.		1.	ug/kg	0.93
05470	Dibromochloromethane	124-48-1	N.D.		1.	ug/kg	0.93
05472	Chlorobenzene	108-90-7	N.D.		1.	ug/kg	0.93
05474	Ethylbenzene	100-41-4	N.D.		1.	ug/kg	0.93
05478	Bromoform	75-25-2	N.D.		1.	ug/kg	0.93

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Analysis Report

Lancaster Laboratories Sample No. SW 5231987

SB-16-15-17 Grab Soil Sample

Collected:12/04/2007 16:15 by JTY

Account Number: 07039

Submitted: 12/07/2007 16:05
Reported: 12/20/2007 at 10:14
Discard: 12/28/2007

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

16157

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/kg	0.93
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/kg	0.93
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/kg	0.93
06301	Xylene (Total)	1330-20-7	N.D.	1.	ug/kg	0.93
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/kg	0.93
07586	Acrolein	107-02-8	N.D.	20.	ug/kg	0.93
07587	Acrylonitrile	107-13-1	N.D.	4.	ug/kg	0.93

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08270	TPH-DRO by 8015B	SW-846 8015B	1	12/11/2007 18:19	Heather E Williams	1
00111	Moisture	SM20 2540 G	1	12/10/2007 18:50	Scott W Freisher	1
01637	TPH-GRO 8015B - soil	SW-846 8015B modified	1	12/10/2007 18:23	Linda C Pape	25
07584	PPL + Oxys in Soil	SW-846 8260B	1	12/12/2007 03:11	Holly Berry	0.93
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	12/08/2007 14:34	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	12/08/2007 14:33	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	12/08/2007 17:27	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	12/08/2007 14:57	Larry E Bevins	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	12/10/2007 11:00	Olivia Arosemena	1

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Analysis Report

Lancaster Laboratories Sample No. SW 5231988

SB-13-17-20 Grab Soil Sample

Collected:12/05/2007 09:00 by JTY

Account Number: 07039

Submitted: 12/07/2007 16:05
Reported: 12/20/2007 at 10:14
Discard: 12/28/2007

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

13172
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CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
08270	TPH-DRO by 8015B	n.a.	N.D.	4.3	mg/kg	1
00111	Moisture	n.a.	6.0	0.50	%	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					
01637	TPH-GRO 8015B - soil					
01641	TPH-GRO 8015B - soil	n.a.	N.D.	0.2	mg/kg	25
07584	PPL + Oxys in Soil					
02016	Methyl Tertiary Butyl Ether	1634-04-4	7.	0.5	ug/kg	0.98
02017	di-Isopropyl ether	108-20-3	N.D.	1.	ug/kg	0.98
02018	Ethyl t-butyl ether	637-92-3	N.D.	1.	ug/kg	0.98
02019	t-Amyl methyl ether	994-05-8	N.D.	1.	ug/kg	0.98
02020	t-Butyl alcohol	75-65-0	1,300.	21.	ug/kg	0.98
05444	Chloromethane	74-87-3	N.D.	2.	ug/kg	0.98
05445	Vinyl Chloride	75-01-4	N.D.	1.	ug/kg	0.98
05446	Bromomethane	74-83-9	N.D.	2.	ug/kg	0.98
05447	Chloroethane	75-00-3	N.D.	2.	ug/kg	0.98
05448	Trichlorofluoromethane	75-69-4	N.D.	2.	ug/kg	0.98
05449	1,1-Dichloroethene	75-35-4	N.D.	1.	ug/kg	0.98
05450	Methylene Chloride	75-09-2	N.D.	2.	ug/kg	0.98
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	1.	ug/kg	0.98
05452	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/kg	0.98
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	1.	ug/kg	0.98
05455	Chloroform	67-66-3	N.D.	1.	ug/kg	0.98
05457	1,1,1-Trichloroethane	71-55-6	N.D.	1.	ug/kg	0.98
05458	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/kg	0.98
05460	Benzene	71-43-2	N.D.	0.5	ug/kg	0.98
05461	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/kg	0.98
05462	Trichloroethene	79-01-6	N.D.	1.	ug/kg	0.98
05463	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/kg	0.98
05465	Bromodichloromethane	75-27-4	N.D.	1.	ug/kg	0.98
05466	Toluene	108-88-3	N.D.	1.	ug/kg	0.98
05467	1,1,2-Trichloroethane	79-00-5	N.D.	1.	ug/kg	0.98
05468	Tetrachloroethene	127-18-4	N.D.	1.	ug/kg	0.98
05470	Dibromochloromethane	124-48-1	N.D.	1.	ug/kg	0.98
05472	Chlorobenzene	108-90-7	N.D.	1.	ug/kg	0.98
05474	Ethylbenzene	100-41-4	N.D.	1.	ug/kg	0.98
05478	Bromoform	75-25-2	N.D.	1.	ug/kg	0.98

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Analysis Report

Lancaster Laboratories Sample No. SW 5231988

SB-13-17-20 Grab Soil Sample

Collected:12/05/2007 09:00 by JTY

Account Number: 07039

Submitted: 12/07/2007 16:05
Reported: 12/20/2007 at 10:14
Discard: 12/28/2007

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

13172

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/kg	0.98
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/kg	0.98
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/kg	0.98
06301	Xylene (Total)	1330-20-7	N.D.	1.	ug/kg	0.98
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/kg	0.98
07586	Acrolein	107-02-8	N.D.	21.	ug/kg	0.98
07587	Acrylonitrile	107-13-1	N.D.	4.	ug/kg	0.98

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08270	TPH-DRO by 8015B	SW-846 8015B	1	12/11/2007 18:41	Heather E Williams	1
00111	Moisture	SM20 2540 G	1	12/10/2007 18:50	Scott W Freisher	1
01637	TPH-GRO 8015B - soil	SW-846 8015B modified	1	12/10/2007 18:59	Linda C Pape	25
07584	PPL + Oxys in Soil	SW-846 8260B	1	12/12/2007 03:34	Holly Berry	0.98
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	12/08/2007 14:35	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	12/08/2007 14:34	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	12/08/2007 17:26	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	12/08/2007 14:57	Larry E Bevins	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	12/10/2007 11:00	Olivia Arosemena	1

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Analysis Report

REVISED

Lancaster Laboratories Sample No. SW 5231989

SB-20-11-14 Grab Soil Sample

Collected:12/05/2007 14:20 by JTY

Account Number: 07039

Submitted: 12/07/2007 16:05
Reported: 12/20/2007 at 10:14
Discard: 12/28/2007

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

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CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit	Units	Dilution Factor
08270	TPH-DRO by 8015B	n.a.	N.D.		4.6	mg/kg	1
00111	Moisture	n.a.	13.0		0.50	%	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						
01637	TPH-GRO 8015B - soil						
01641	TPH-GRO 8015B - soil	n.a.	N.D.		0.2	mg/kg	25
07584	PPL + Oxys in Soil						
02016	Methyl Tertiary Butyl Ether	1634-04-4	6.		0.6	ug/kg	0.97
02017	di-Isopropyl ether	108-20-3	N.D.		1.	ug/kg	0.97
02018	Ethyl t-butyl ether	637-92-3	N.D.		1.	ug/kg	0.97
02019	t-Amyl methyl ether	994-05-8	N.D.		1.	ug/kg	0.97
02020	t-Butyl alcohol	75-65-0	33.	J	22.	ug/kg	0.97
05444	Chloromethane	74-87-3	N.D.		2.	ug/kg	0.97
05445	Vinyl Chloride	75-01-4	N.D.		1.	ug/kg	0.97
05446	Bromomethane	74-83-9	N.D.		2.	ug/kg	0.97
05447	Chloroethane	75-00-3	N.D.		2.	ug/kg	0.97
05448	Trichlorofluoromethane	75-69-4	N.D.		2.	ug/kg	0.97
05449	1,1-Dichloroethene	75-35-4	N.D.		1.	ug/kg	0.97
05450	Methylene Chloride	75-09-2	4.	J	2.	ug/kg	0.97
05451	trans-1,2-Dichloroethene	156-60-5	N.D.		1.	ug/kg	0.97
05452	1,1-Dichloroethane	75-34-3	N.D.		1.	ug/kg	0.97
05454	cis-1,2-Dichloroethene	156-59-2	N.D.		1.	ug/kg	0.97
05455	Chloroform	67-66-3	N.D.		1.	ug/kg	0.97
05457	1,1,1-Trichloroethane	71-55-6	N.D.		1.	ug/kg	0.97
05458	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/kg	0.97
05460	Benzene	71-43-2	N.D.		0.6	ug/kg	0.97
05461	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/kg	0.97
05462	Trichloroethene	79-01-6	N.D.		1.	ug/kg	0.97
05463	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/kg	0.97
05465	Bromodichloromethane	75-27-4	N.D.		1.	ug/kg	0.97
05466	Toluene	108-88-3	N.D.		1.	ug/kg	0.97
05467	1,1,2-Trichloroethane	79-00-5	N.D.		1.	ug/kg	0.97
05468	Tetrachloroethene	127-18-4	N.D.		1.	ug/kg	0.97
05470	Dibromochloromethane	124-48-1	N.D.		1.	ug/kg	0.97
05472	Chlorobenzene	108-90-7	N.D.		1.	ug/kg	0.97
05474	Ethylbenzene	100-41-4	N.D.		1.	ug/kg	0.97
05478	Bromoform	75-25-2	N.D.		1.	ug/kg	0.97

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Analysis Report

Lancaster Laboratories Sample No. SW 5231989

SB-20-11-14 Grab Soil Sample

Collected:12/05/2007 14:20 by JTY

Account Number: 07039

Submitted: 12/07/2007 16:05
Reported: 12/20/2007 at 10:14
Discard: 12/28/2007

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

20114

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/kg	0.97
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/kg	0.97
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/kg	0.97
06301	Xylene (Total)	1330-20-7	N.D.	1.	ug/kg	0.97
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/kg	0.97
07586	Acrolein	107-02-8	N.D.	22.	ug/kg	0.97
07587	Acrylonitrile	107-13-1	N.D.	4.	ug/kg	0.97

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08270	TPH-DRO by 8015B	SW-846 8015B	1	12/11/2007 19:46	Heather E Williams	1
00111	Moisture	SM20 2540 G	1	12/10/2007 18:50	Scott W Freisher	1
01637	TPH-GRO 8015B - soil	SW-846 8015B modified	1	12/10/2007 22:36	Linda C Pape	25
07584	PPL + Oxys in Soil	SW-846 8260B	1	12/12/2007 04:21	Holly Berry	0.97
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	12/08/2007 14:36	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	12/08/2007 14:36	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	12/08/2007 17:25	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	12/08/2007 14:59	Larry E Bevins	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	12/10/2007 11:00	Olivia Arosemena	1

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Analysis Report

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Lancaster Laboratories Sample No. SW 5231990

SB-21-16-17 Grab Soil Sample

Collected:12/05/2007 14:30 by JTY

Account Number: 07039

Submitted: 12/07/2007 16:05
Reported: 12/20/2007 at 10:14
Discard: 12/28/2007

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

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CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit	Units	Dilution Factor
08270	TPH-DRO by 8015B	n.a.	N.D.		4.4	mg/kg	1
00111	Moisture	n.a.	8.1		0.50	%	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						
01637	TPH-GRO 8015B - soil						
01641	TPH-GRO 8015B - soil	n.a.	N.D.		0.2	mg/kg	25
07584	PPL + Oxys in Soil						
02016	Methyl Tertiary Butyl Ether	1634-04-4	300.		0.6	ug/kg	1.02
02017	di-Isopropyl ether	108-20-3	N.D.		1.	ug/kg	1.02
02018	Ethyl t-butyl ether	637-92-3	N.D.		1.	ug/kg	1.02
02019	t-Amyl methyl ether	994-05-8	2.	J	1.	ug/kg	1.02
02020	t-Butyl alcohol	75-65-0	670.		22.	ug/kg	1.02
05444	Chloromethane	74-87-3	N.D.		2.	ug/kg	1.02
05445	Vinyl Chloride	75-01-4	N.D.		1.	ug/kg	1.02
05446	Bromomethane	74-83-9	N.D.		2.	ug/kg	1.02
05447	Chloroethane	75-00-3	N.D.		2.	ug/kg	1.02
05448	Trichlorofluoromethane	75-69-4	N.D.		2.	ug/kg	1.02
05449	1,1-Dichloroethene	75-35-4	N.D.		1.	ug/kg	1.02
05450	Methylene Chloride	75-09-2	3.	J	2.	ug/kg	1.02
05451	trans-1,2-Dichloroethene	156-60-5	N.D.		1.	ug/kg	1.02
05452	1,1-Dichloroethane	75-34-3	N.D.		1.	ug/kg	1.02
05454	cis-1,2-Dichloroethene	156-59-2	N.D.		1.	ug/kg	1.02
05455	Chloroform	67-66-3	N.D.		1.	ug/kg	1.02
05457	1,1,1-Trichloroethane	71-55-6	N.D.		1.	ug/kg	1.02
05458	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/kg	1.02
05460	Benzene	71-43-2	N.D.		0.6	ug/kg	1.02
05461	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/kg	1.02
05462	Trichloroethene	79-01-6	N.D.		1.	ug/kg	1.02
05463	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/kg	1.02
05465	Bromodichloromethane	75-27-4	N.D.		1.	ug/kg	1.02
05466	Toluene	108-88-3	N.D.		1.	ug/kg	1.02
05467	1,1,2-Trichloroethane	79-00-5	N.D.		1.	ug/kg	1.02
05468	Tetrachloroethene	127-18-4	N.D.		1.	ug/kg	1.02
05470	Dibromochloromethane	124-48-1	N.D.		1.	ug/kg	1.02
05472	Chlorobenzene	108-90-7	N.D.		1.	ug/kg	1.02
05474	Ethylbenzene	100-41-4	N.D.		1.	ug/kg	1.02
05478	Bromoform	75-25-2	N.D.		1.	ug/kg	1.02

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Analysis Report

Lancaster Laboratories Sample No. SW 5231990

SB-21-16-17 Grab Soil Sample

Collected:12/05/2007 14:30 by JTY

Account Number: 07039

Submitted: 12/07/2007 16:05
Reported: 12/20/2007 at 10:14
Discard: 12/28/2007

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

21167

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/kg	1.02
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/kg	1.02
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/kg	1.02
06301	Xylene (Total)	1330-20-7	N.D.	1.	ug/kg	1.02
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/kg	1.02
07586	Acrolein	107-02-8	N.D.	22.	ug/kg	1.02
07587	Acrylonitrile	107-13-1	N.D.	4.	ug/kg	1.02

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08270	TPH-DRO by 8015B	SW-846 8015B	1	12/11/2007 20:08	Heather E Williams	1
00111	Moisture	SM20 2540 G	1	12/10/2007 18:50	Scott W Freisher	1
01637	TPH-GRO 8015B - soil	SW-846 8015B modified	1	12/10/2007 23:12	Linda C Pape	25
07584	PPL + Oxys in Soil	SW-846 8260B	1	12/12/2007 04:45	Holly Berry	1.02
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	12/08/2007 14:38	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	12/08/2007 14:37	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	12/08/2007 17:24	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	12/08/2007 15:00	Larry E Bevins	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	12/10/2007 11:00	Olivia Arosemena	1

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Analysis Report

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Lancaster Laboratories Sample No. SW 5231991

SB-21-19-21 Grab Soil Sample

Collected:12/05/2007 14:40 by JTY

Account Number: 07039

Submitted: 12/07/2007 16:05
Reported: 12/20/2007 at 10:14
Discard: 12/28/2007

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

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CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit	Units	Dilution Factor
08270	TPH-DRO by 8015B	n.a.	N.D.		4.6	mg/kg	1
00111	Moisture	n.a.	13.4		0.50	%	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						
01637	TPH-GRO 8015B - soil						
01641	TPH-GRO 8015B - soil	n.a.	N.D.		0.2	mg/kg	25
07584	PPL + Oxys in Soil						
02016	Methyl Tertiary Butyl Ether	1634-04-4	61.		0.5	ug/kg	0.95
02017	di-Isopropyl ether	108-20-3	N.D.		1.	ug/kg	0.95
02018	Ethyl t-butyl ether	637-92-3	N.D.		1.	ug/kg	0.95
02019	t-Amyl methyl ether	994-05-8	N.D.		1.	ug/kg	0.95
02020	t-Butyl alcohol	75-65-0	510.		22.	ug/kg	0.95
05444	Chloromethane	74-87-3	N.D.		2.	ug/kg	0.95
05445	Vinyl Chloride	75-01-4	N.D.		1.	ug/kg	0.95
05446	Bromomethane	74-83-9	N.D.		2.	ug/kg	0.95
05447	Chloroethane	75-00-3	N.D.		2.	ug/kg	0.95
05448	Trichlorofluoromethane	75-69-4	N.D.		2.	ug/kg	0.95
05449	1,1-Dichloroethene	75-35-4	N.D.		1.	ug/kg	0.95
05450	Methylene Chloride	75-09-2	2.	J	2.	ug/kg	0.95
05451	trans-1,2-Dichloroethene	156-60-5	N.D.		1.	ug/kg	0.95
05452	1,1-Dichloroethane	75-34-3	N.D.		1.	ug/kg	0.95
05454	cis-1,2-Dichloroethene	156-59-2	N.D.		1.	ug/kg	0.95
05455	Chloroform	67-66-3	N.D.		1.	ug/kg	0.95
05457	1,1,1-Trichloroethane	71-55-6	N.D.		1.	ug/kg	0.95
05458	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/kg	0.95
05460	Benzene	71-43-2	N.D.		0.5	ug/kg	0.95
05461	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/kg	0.95
05462	Trichloroethene	79-01-6	N.D.		1.	ug/kg	0.95
05463	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/kg	0.95
05465	Bromodichloromethane	75-27-4	N.D.		1.	ug/kg	0.95
05466	Toluene	108-88-3	N.D.		1.	ug/kg	0.95
05467	1,1,2-Trichloroethane	79-00-5	N.D.		1.	ug/kg	0.95
05468	Tetrachloroethene	127-18-4	N.D.		1.	ug/kg	0.95
05470	Dibromochloromethane	124-48-1	N.D.		1.	ug/kg	0.95
05472	Chlorobenzene	108-90-7	N.D.		1.	ug/kg	0.95
05474	Ethylbenzene	100-41-4	N.D.		1.	ug/kg	0.95
05478	Bromoform	75-25-2	N.D.		1.	ug/kg	0.95

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Analysis Report

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Lancaster Laboratories Sample No. SW 5231991

SB-21-19-21 Grab Soil Sample

Collected:12/05/2007 14:40 by JTY

Account Number: 07039

Submitted: 12/07/2007 16:05
Reported: 12/20/2007 at 10:14
Discard: 12/28/2007

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

21191

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/kg	0.95
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/kg	0.95
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/kg	0.95
06301	Xylene (Total)	1330-20-7	N.D.	1.	ug/kg	0.95
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/kg	0.95
07586	Acrolein	107-02-8	N.D.	22.	ug/kg	0.95
07587	Acrylonitrile	107-13-1	N.D.	4.	ug/kg	0.95

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08270	TPH-DRO by 8015B	SW-846 8015B	1	12/11/2007 20:30	Heather E Williams	1
00111	Moisture	SM20 2540 G	1	12/10/2007 18:50	Scott W Freisher	1
01637	TPH-GRO 8015B - soil	SW-846 8015B modified	1	12/10/2007 23:48	Linda C Pape	25
07584	PPL + Oxys in Soil	SW-846 8260B	1	12/12/2007 05:08	Holly Berry	0.95
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	12/08/2007 14:39	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	12/08/2007 14:39	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	12/08/2007 17:23	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	12/08/2007 15:01	Larry E Bevins	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	12/10/2007 11:00	Olivia Arosemena	1

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Analysis Report

Lancaster Laboratories Sample No. SW 5231992

SB-17-17-19 Grab Soil Sample

Collected:12/05/2007 14:50 by JTY

Account Number: 07039

Submitted: 12/07/2007 16:05
Reported: 12/20/2007 at 10:14
Discard: 12/28/2007

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

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CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit	Units	Dilution Factor
08270	TPH-DRO by 8015B	n.a.	N.D.		4.6	mg/kg	1
00111	Moisture	n.a.	12.4		0.50	%	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						
01637	TPH-GRO 8015B - soil						
01641	TPH-GRO 8015B - soil	n.a.	N.D.		0.2	mg/kg	25
07584	PPL + Oxys in Soil						
02016	Methyl Tertiary Butyl Ether	1634-04-4	7.		0.5	ug/kg	0.96
02017	di-Isopropyl ether	108-20-3	N.D.		1.	ug/kg	0.96
02018	Ethyl t-butyl ether	637-92-3	N.D.		1.	ug/kg	0.96
02019	t-Amyl methyl ether	994-05-8	N.D.		1.	ug/kg	0.96
02020	t-Butyl alcohol	75-65-0	N.D.		22.	ug/kg	0.96
05444	Chloromethane	74-87-3	N.D.		2.	ug/kg	0.96
05445	Vinyl Chloride	75-01-4	N.D.		1.	ug/kg	0.96
05446	Bromomethane	74-83-9	N.D.		2.	ug/kg	0.96
05447	Chloroethane	75-00-3	N.D.		2.	ug/kg	0.96
05448	Trichlorofluoromethane	75-69-4	N.D.		2.	ug/kg	0.96
05449	1,1-Dichloroethene	75-35-4	N.D.		1.	ug/kg	0.96
05450	Methylene Chloride	75-09-2	4.	J	2.	ug/kg	0.96
05451	trans-1,2-Dichloroethene	156-60-5	N.D.		1.	ug/kg	0.96
05452	1,1-Dichloroethane	75-34-3	N.D.		1.	ug/kg	0.96
05454	cis-1,2-Dichloroethene	156-59-2	N.D.		1.	ug/kg	0.96
05455	Chloroform	67-66-3	N.D.		1.	ug/kg	0.96
05457	1,1,1-Trichloroethane	71-55-6	N.D.		1.	ug/kg	0.96
05458	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/kg	0.96
05460	Benzene	71-43-2	N.D.		0.5	ug/kg	0.96
05461	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/kg	0.96
05462	Trichloroethene	79-01-6	N.D.		1.	ug/kg	0.96
05463	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/kg	0.96
05465	Bromodichloromethane	75-27-4	N.D.		1.	ug/kg	0.96
05466	Toluene	108-88-3	N.D.		1.	ug/kg	0.96
05467	1,1,2-Trichloroethane	79-00-5	N.D.		1.	ug/kg	0.96
05468	Tetrachloroethene	127-18-4	N.D.		1.	ug/kg	0.96
05470	Dibromochloromethane	124-48-1	N.D.		1.	ug/kg	0.96
05472	Chlorobenzene	108-90-7	N.D.		1.	ug/kg	0.96
05474	Ethylbenzene	100-41-4	N.D.		1.	ug/kg	0.96
05478	Bromoform	75-25-2	N.D.		1.	ug/kg	0.96

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Analysis Report

Lancaster Laboratories Sample No. SW 5231992

SB-17-17-19 Grab Soil Sample

Collected:12/05/2007 14:50 by JTY

Account Number: 07039

Submitted: 12/07/2007 16:05
Reported: 12/20/2007 at 10:14
Discard: 12/28/2007

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

17179

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/kg	0.96
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/kg	0.96
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/kg	0.96
06301	Xylene (Total)	1330-20-7	N.D.	1.	ug/kg	0.96
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/kg	0.96
07586	Acrolein	107-02-8	N.D.	22.	ug/kg	0.96
07587	Acrylonitrile	107-13-1	N.D.	4.	ug/kg	0.96

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08270	TPH-DRO by 8015B	SW-846 8015B	1	12/11/2007 20:52	Heather E Williams	1
00111	Moisture	SM20 2540 G	1	12/10/2007 18:50	Scott W Freisher	1
01637	TPH-GRO 8015B - soil	SW-846 8015B modified	1	12/11/2007 00:24	Linda C Pape	25
07584	PPL + Oxys in Soil	SW-846 8260B	1	12/12/2007 05:31	Holly Berry	0.96
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	12/08/2007 14:40	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	12/08/2007 14:41	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	12/08/2007 17:22	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	12/08/2007 15:02	Larry E Bevins	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	12/10/2007 11:00	Olivia Arosemena	1

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Analysis Report

Lancaster Laboratories Sample No. SW 5231993

SB-22-13-16 Grab Soil Sample

Collected:12/06/2007 09:30 by JTY

Account Number: 07039

Submitted: 12/07/2007 16:05
Reported: 12/20/2007 at 10:14
Discard: 12/28/2007

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

22139
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CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
08270	TPH-DRO by 8015B	n.a.	N.D.	4.2	mg/kg	1
00111	Moisture	n.a.	4.0	0.50	%	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					
01637	TPH-GRO 8015B - soil					
01641	TPH-GRO 8015B - soil	n.a.	N.D.	0.2	mg/kg	25
07584	PPL + Oxys in Soil					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/kg	1
02017	di-Isopropyl ether	108-20-3	N.D.	1.	ug/kg	1
02018	Ethyl t-butyl ether	637-92-3	N.D.	1.	ug/kg	1
02019	t-Amyl methyl ether	994-05-8	N.D.	1.	ug/kg	1
02020	t-Butyl alcohol	75-65-0	N.D.	21.	ug/kg	1
05444	Chloromethane	74-87-3	N.D.	2.	ug/kg	1
05445	Vinyl Chloride	75-01-4	N.D.	1.	ug/kg	1
05446	Bromomethane	74-83-9	N.D.	2.	ug/kg	1
05447	Chloroethane	75-00-3	N.D.	2.	ug/kg	1
05448	Trichlorofluoromethane	75-69-4	N.D.	2.	ug/kg	1
05449	1,1-Dichloroethene	75-35-4	N.D.	1.	ug/kg	1
05450	Methylene Chloride	75-09-2	N.D.	2.	ug/kg	1
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	1.	ug/kg	1
05452	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/kg	1
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	1.	ug/kg	1
05455	Chloroform	67-66-3	N.D.	1.	ug/kg	1
05457	1,1,1-Trichloroethane	71-55-6	N.D.	1.	ug/kg	1
05458	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/kg	1
05460	Benzene	71-43-2	N.D.	0.5	ug/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/kg	1
05462	Trichloroethene	79-01-6	N.D.	1.	ug/kg	1
05463	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/kg	1
05465	Bromodichloromethane	75-27-4	N.D.	1.	ug/kg	1
05466	Toluene	108-88-3	N.D.	1.	ug/kg	1
05467	1,1,2-Trichloroethane	79-00-5	N.D.	1.	ug/kg	1
05468	Tetrachloroethene	127-18-4	N.D.	1.	ug/kg	1
05470	Dibromochloromethane	124-48-1	N.D.	1.	ug/kg	1
05472	Chlorobenzene	108-90-7	N.D.	1.	ug/kg	1
05474	Ethylbenzene	100-41-4	N.D.	1.	ug/kg	1
05478	Bromoform	75-25-2	N.D.	1.	ug/kg	1

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Analysis Report

Lancaster Laboratories Sample No. SW 5231993

SB-22-13-16 Grab Soil Sample

Collected:12/06/2007 09:30 by JTY

Account Number: 07039

Submitted: 12/07/2007 16:05
Reported: 12/20/2007 at 10:14
Discard: 12/28/2007

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

22139

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/kg	1
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/kg	1
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/kg	1
06301	Xylene (Total)	1330-20-7	N.D.	1.	ug/kg	1
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/kg	1
07586	Acrolein	107-02-8	N.D.	21.	ug/kg	1
07587	Acrylonitrile	107-13-1	N.D.	4.	ug/kg	1

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08270	TPH-DRO by 8015B	SW-846 8015B	1	12/11/2007 21:14	Heather E Williams	1
00111	Moisture	SM20 2540 G	1	12/10/2007 18:50	Scott W Freisher	1
01637	TPH-GRO 8015B - soil	SW-846 8015B modified	1	12/11/2007 01:01	Linda C Pape	25
07584	PPL + Oxys in Soil	SW-846 8260B	1	12/12/2007 05:54	Holly Berry	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	12/08/2007 14:43	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	12/08/2007 14:42	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	12/08/2007 17:22	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	12/08/2007 15:03	Larry E Bevins	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	12/10/2007 11:00	Olivia Arosemena	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5231994

FB-1 Water Sample

Collected:12/06/2007 09:45 by JTY

Account Number: 07039

Submitted: 12/07/2007 16:05
Reported: 12/20/2007 at 10:14
Discard: 12/28/2007

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

FB162
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CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07582	PPL + Oxys in Water					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.8	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.8	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.8	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be

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Analysis Report

Lancaster Laboratories Sample No. WW 5231994

FB-1 Water Sample

Collected:12/06/2007 09:45 by JTY

Account Number: 07039

Submitted: 12/07/2007 16:05
Reported: 12/20/2007 at 10:14
Discard: 12/28/2007

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

FB162

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

recovered in an acid preserved sample.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07582	PPL + Oxys in Water	SW-846 8260B	1	12/12/2007 11:46	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030A	1	12/12/2007 11:46	Anita M Dale	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5231995

TB07320 Water Sample

Collected:11/28/2007

Submitted: 12/07/2007 16:05
Reported: 12/20/2007 at 10:14
Discard: 12/28/2007

Account Number: 07039

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

TB732
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CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07582	PPL + Oxys in Water					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.8	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.8	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.8	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be

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Analysis Report

Lancaster Laboratories Sample No. WW 5231995

TB07320 Water Sample

Collected:11/28/2007

Account Number: 07039

Submitted: 12/07/2007 16:05
Reported: 12/20/2007 at 10:14
Discard: 12/28/2007

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

TB732

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

recovered in an acid preserved sample.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07582	PPL + Oxys in Water	SW-846 8260B	1	12/12/2007 16:38	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/12/2007 16:38	Anita M Dale	1

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Analysis Report

REVISED

Lancaster Laboratories Sample No. SW 5231996

SB-15-15-16 Grab Soil Sample

Collected:12/06/2007 10:45 by JTY

Account Number: 07039

Submitted: 12/07/2007 16:05
Reported: 12/20/2007 at 10:14
Discard: 12/28/2007

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

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CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit	Units	Dilution Factor
08270	TPH-DRO by 8015B	n.a.	N.D.		4.3	mg/kg	1
00111	Moisture	n.a.	7.9		0.50	%	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						
01637	TPH-GRO 8015B - soil						
01641	TPH-GRO 8015B - soil	n.a.	N.D.		0.2	mg/kg	25
07584	PPL + Oxys in Soil						
02016	Methyl Tertiary Butyl Ether	1634-04-4	59.		0.5	ug/kg	0.97
02017	di-Isopropyl ether	108-20-3	N.D.		1.	ug/kg	0.97
02018	Ethyl t-butyl ether	637-92-3	N.D.		1.	ug/kg	0.97
02019	t-Amyl methyl ether	994-05-8	N.D.		1.	ug/kg	0.97
02020	t-Butyl alcohol	75-65-0	37.	J	21.	ug/kg	0.97
05444	Chloromethane	74-87-3	N.D.		2.	ug/kg	0.97
05445	Vinyl Chloride	75-01-4	N.D.		1.	ug/kg	0.97
05446	Bromomethane	74-83-9	N.D.		2.	ug/kg	0.97
05447	Chloroethane	75-00-3	N.D.		2.	ug/kg	0.97
05448	Trichlorofluoromethane	75-69-4	N.D.		2.	ug/kg	0.97
05449	1,1-Dichloroethene	75-35-4	N.D.		1.	ug/kg	0.97
05450	Methylene Chloride	75-09-2	3.	J	2.	ug/kg	0.97
05451	trans-1,2-Dichloroethene	156-60-5	N.D.		1.	ug/kg	0.97
05452	1,1-Dichloroethane	75-34-3	N.D.		1.	ug/kg	0.97
05454	cis-1,2-Dichloroethene	156-59-2	N.D.		1.	ug/kg	0.97
05455	Chloroform	67-66-3	N.D.		1.	ug/kg	0.97
05457	1,1,1-Trichloroethane	71-55-6	N.D.		1.	ug/kg	0.97
05458	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/kg	0.97
05460	Benzene	71-43-2	N.D.		0.5	ug/kg	0.97
05461	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/kg	0.97
05462	Trichloroethene	79-01-6	N.D.		1.	ug/kg	0.97
05463	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/kg	0.97
05465	Bromodichloromethane	75-27-4	N.D.		1.	ug/kg	0.97
05466	Toluene	108-88-3	N.D.		1.	ug/kg	0.97
05467	1,1,2-Trichloroethane	79-00-5	N.D.		1.	ug/kg	0.97
05468	Tetrachloroethene	127-18-4	N.D.		1.	ug/kg	0.97
05470	Dibromochloromethane	124-48-1	N.D.		1.	ug/kg	0.97
05472	Chlorobenzene	108-90-7	N.D.		1.	ug/kg	0.97
05474	Ethylbenzene	100-41-4	N.D.		1.	ug/kg	0.97
05478	Bromoform	75-25-2	N.D.		1.	ug/kg	0.97

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Analysis Report

Lancaster Laboratories Sample No. SW 5231996

SB-15-15-16 Grab Soil Sample

Collected:12/06/2007 10:45 by JTY

Account Number: 07039

Submitted: 12/07/2007 16:05
Reported: 12/20/2007 at 10:14
Discard: 12/28/2007

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

15156

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/kg	0.97
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/kg	0.97
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/kg	0.97
06301	Xylene (Total)	1330-20-7	N.D.	1.	ug/kg	0.97
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/kg	0.97
07586	Acrolein	107-02-8	N.D.	21.	ug/kg	0.97
07587	Acrylonitrile	107-13-1	N.D.	4.	ug/kg	0.97

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08270	TPH-DRO by 8015B	SW-846 8015B	1	12/11/2007 21:36	Heather E Williams	1
00111	Moisture	SM20 2540 G	1	12/10/2007 18:50	Scott W Freisher	1
01637	TPH-GRO 8015B - soil	SW-846 8015B modified	1	12/11/2007 01:37	Linda C Pape	25
07584	PPL + Oxys in Soil	SW-846 8260B	1	12/12/2007 06:18	Holly Berry	0.97
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	12/08/2007 14:44	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	12/08/2007 14:44	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	12/08/2007 17:21	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	12/08/2007 15:05	Larry E Bevins	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	12/10/2007 11:00	Olivia Arosemena	1

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Analysis Report

Lancaster Laboratories Sample No. SW 5231997

SB-15-18-19 Grab Soil Sample

Collected:12/06/2007 11:00 by JTY

Account Number: 07039

Submitted: 12/07/2007 16:05
Reported: 12/20/2007 at 10:14
Discard: 12/28/2007

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

15189
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CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit	Units	Dilution Factor
08270	TPH-DRO by 8015B	n.a.	N.D.		4.1	mg/kg	1
00111	Moisture	n.a.	3.5		0.50	%	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						
01637	TPH-GRO 8015B - soil						
01641	TPH-GRO 8015B - soil	n.a.	N.D.		0.2	mg/kg	25
07584	PPL + Oxys in Soil						
02016	Methyl Tertiary Butyl Ether	1634-04-4	0.7	J	0.5	ug/kg	1.01
02017	di-Isopropyl ether	108-20-3	N.D.		1.	ug/kg	1.01
02018	Ethyl t-butyl ether	637-92-3	N.D.		1.	ug/kg	1.01
02019	t-Amyl methyl ether	994-05-8	N.D.		1.	ug/kg	1.01
02020	t-Butyl alcohol	75-65-0	N.D.		21.	ug/kg	1.01
05444	Chloromethane	74-87-3	N.D.		2.	ug/kg	1.01
05445	Vinyl Chloride	75-01-4	N.D.		1.	ug/kg	1.01
05446	Bromomethane	74-83-9	N.D.		2.	ug/kg	1.01
05447	Chloroethane	75-00-3	N.D.		2.	ug/kg	1.01
05448	Trichlorofluoromethane	75-69-4	N.D.		2.	ug/kg	1.01
05449	1,1-Dichloroethene	75-35-4	N.D.		1.	ug/kg	1.01
05450	Methylene Chloride	75-09-2	N.D.		2.	ug/kg	1.01
05451	trans-1,2-Dichloroethene	156-60-5	N.D.		1.	ug/kg	1.01
05452	1,1-Dichloroethane	75-34-3	N.D.		1.	ug/kg	1.01
05454	cis-1,2-Dichloroethene	156-59-2	N.D.		1.	ug/kg	1.01
05455	Chloroform	67-66-3	N.D.		1.	ug/kg	1.01
05457	1,1,1-Trichloroethane	71-55-6	N.D.		1.	ug/kg	1.01
05458	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/kg	1.01
05460	Benzene	71-43-2	N.D.		0.5	ug/kg	1.01
05461	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/kg	1.01
05462	Trichloroethene	79-01-6	N.D.		1.	ug/kg	1.01
05463	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/kg	1.01
05465	Bromodichloromethane	75-27-4	N.D.		1.	ug/kg	1.01
05466	Toluene	108-88-3	N.D.		1.	ug/kg	1.01
05467	1,1,2-Trichloroethane	79-00-5	N.D.		1.	ug/kg	1.01
05468	Tetrachloroethene	127-18-4	N.D.		1.	ug/kg	1.01
05470	Dibromochloromethane	124-48-1	N.D.		1.	ug/kg	1.01
05472	Chlorobenzene	108-90-7	N.D.		1.	ug/kg	1.01
05474	Ethylbenzene	100-41-4	N.D.		1.	ug/kg	1.01
05478	Bromoform	75-25-2	N.D.		1.	ug/kg	1.01

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Analysis Report

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Lancaster Laboratories Sample No. SW 5231997

SB-15-18-19 Grab Soil Sample

Collected:12/06/2007 11:00 by JTY

Account Number: 07039

Submitted: 12/07/2007 16:05
Reported: 12/20/2007 at 10:14
Discard: 12/28/2007

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

15189

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/kg	1.01
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/kg	1.01
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/kg	1.01
06301	Xylene (Total)	1330-20-7	N.D.	1.	ug/kg	1.01
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/kg	1.01
07586	Acrolein	107-02-8	N.D.	21.	ug/kg	1.01
07587	Acrylonitrile	107-13-1	N.D.	4.	ug/kg	1.01

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08270	TPH-DRO by 8015B	SW-846 8015B	1	12/11/2007 21:57	Heather E Williams	1
00111	Moisture	SM20 2540 G	1	12/10/2007 18:50	Scott W Freisher	1
01637	TPH-GRO 8015B - soil	SW-846 8015B modified	1	12/11/2007 02:13	Linda C Pape	25
07584	PPL + Oxys in Soil	SW-846 8260B	1	12/12/2007 06:41	Holly Berry	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	12/08/2007 14:45	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	12/08/2007 14:46	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	12/08/2007 17:19	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	12/08/2007 15:06	Larry E Bevins	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	12/10/2007 11:00	Olivia Arosemena	1

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Analysis Report

REVISED

Lancaster Laboratories Sample No. SW 5231998

SB-18-8-10 Grab Soil Sample

Collected:12/06/2007 11:45 by JTY

Account Number: 07039

Submitted: 12/07/2007 16:05
Reported: 12/20/2007 at 10:14
Discard: 12/28/2007

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

18810
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CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit	Units	Dilution Factor
08270	TPH-DRO by 8015B	n.a.	N.D.		4.3	mg/kg	1
00111	Moisture	n.a.	6.1		0.50	%	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						
01637	TPH-GRO 8015B - soil						
01641	TPH-GRO 8015B - soil	n.a.	N.D.		0.2	mg/kg	25
07584	PPL + Oxys in Soil						
02016	Methyl Tertiary Butyl Ether	1634-04-4	1.	J	0.5	ug/kg	1.01
02017	di-Isopropyl ether	108-20-3	N.D.		1.	ug/kg	1.01
02018	Ethyl t-butyl ether	637-92-3	N.D.		1.	ug/kg	1.01
02019	t-Amyl methyl ether	994-05-8	N.D.		1.	ug/kg	1.01
02020	t-Butyl alcohol	75-65-0	N.D.		21.	ug/kg	1.01
05444	Chloromethane	74-87-3	N.D.		2.	ug/kg	1.01
05445	Vinyl Chloride	75-01-4	N.D.		1.	ug/kg	1.01
05446	Bromomethane	74-83-9	N.D.		2.	ug/kg	1.01
05447	Chloroethane	75-00-3	N.D.		2.	ug/kg	1.01
05448	Trichlorofluoromethane	75-69-4	N.D.		2.	ug/kg	1.01
05449	1,1-Dichloroethene	75-35-4	N.D.		1.	ug/kg	1.01
05450	Methylene Chloride	75-09-2	N.D.		2.	ug/kg	1.01
05451	trans-1,2-Dichloroethene	156-60-5	N.D.		1.	ug/kg	1.01
05452	1,1-Dichloroethane	75-34-3	N.D.		1.	ug/kg	1.01
05454	cis-1,2-Dichloroethene	156-59-2	N.D.		1.	ug/kg	1.01
05455	Chloroform	67-66-3	N.D.		1.	ug/kg	1.01
05457	1,1,1-Trichloroethane	71-55-6	N.D.		1.	ug/kg	1.01
05458	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/kg	1.01
05460	Benzene	71-43-2	N.D.		0.5	ug/kg	1.01
05461	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/kg	1.01
05462	Trichloroethene	79-01-6	N.D.		1.	ug/kg	1.01
05463	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/kg	1.01
05465	Bromodichloromethane	75-27-4	N.D.		1.	ug/kg	1.01
05466	Toluene	108-88-3	N.D.		1.	ug/kg	1.01
05467	1,1,2-Trichloroethane	79-00-5	N.D.		1.	ug/kg	1.01
05468	Tetrachloroethene	127-18-4	N.D.		1.	ug/kg	1.01
05470	Dibromochloromethane	124-48-1	N.D.		1.	ug/kg	1.01
05472	Chlorobenzene	108-90-7	N.D.		1.	ug/kg	1.01
05474	Ethylbenzene	100-41-4	N.D.		1.	ug/kg	1.01
05478	Bromoform	75-25-2	N.D.		1.	ug/kg	1.01

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Analysis Report

Lancaster Laboratories Sample No. SW 5231998

SB-18-8-10 Grab Soil Sample

Collected:12/06/2007 11:45 by JTY

Account Number: 07039

Submitted: 12/07/2007 16:05
Reported: 12/20/2007 at 10:14
Discard: 12/28/2007

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

18810

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/kg	1.01
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/kg	1.01
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/kg	1.01
06301	Xylene (Total)	1330-20-7	N.D.	1.	ug/kg	1.01
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/kg	1.01
07586	Acrolein	107-02-8	N.D.	21.	ug/kg	1.01
07587	Acrylonitrile	107-13-1	N.D.	4.	ug/kg	1.01

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08270	TPH-DRO by 8015B	SW-846 8015B	1	12/11/2007 22:19	Heather E Williams	1
00111	Moisture	SM20 2540 G	1	12/10/2007 18:50	Scott W Freisher	1
01637	TPH-GRO 8015B - soil	SW-846 8015B modified	1	12/11/2007 02:49	Linda C Pape	25
07584	PPL + Oxys in Soil	SW-846 8260B	1	12/12/2007 07:04	Holly Berry	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	12/08/2007 14:47	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	12/08/2007 14:47	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	12/08/2007 17:18	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	12/08/2007 15:07	Larry E Bevins	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	12/10/2007 11:00	Olivia Arosemena	1

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Analysis Report

REVISED

Lancaster Laboratories Sample No. SW 5231999

SB-19-19-20 Grab Soil Sample

Collected:12/06/2007 14:15 by JTY

Account Number: 07039

Submitted: 12/07/2007 16:05
Reported: 12/20/2007 at 10:14
Discard: 12/28/2007

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

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CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit	Units	Dilution Factor
08270	TPH-DRO by 8015B	n.a.	N.D.		4.5	mg/kg	1
00111	Moisture	n.a.	10.2		0.50	%	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						
01637	TPH-GRO 8015B - soil						
01641	TPH-GRO 8015B - soil	n.a.	N.D.		0.2	mg/kg	25
07584	PPL + Oxys in Soil						
02016	Methyl Tertiary Butyl Ether	1634-04-4	2.	J	0.6	ug/kg	1.06
02017	di-Isopropyl ether	108-20-3	N.D.		1.	ug/kg	1.06
02018	Ethyl t-butyl ether	637-92-3	N.D.		1.	ug/kg	1.06
02019	t-Amyl methyl ether	994-05-8	N.D.		1.	ug/kg	1.06
02020	t-Butyl alcohol	75-65-0	N.D.		24.	ug/kg	1.06
05444	Chloromethane	74-87-3	N.D.		2.	ug/kg	1.06
05445	Vinyl Chloride	75-01-4	N.D.		1.	ug/kg	1.06
05446	Bromomethane	74-83-9	N.D.		2.	ug/kg	1.06
05447	Chloroethane	75-00-3	N.D.		2.	ug/kg	1.06
05448	Trichlorofluoromethane	75-69-4	N.D.		2.	ug/kg	1.06
05449	1,1-Dichloroethene	75-35-4	N.D.		1.	ug/kg	1.06
05450	Methylene Chloride	75-09-2	N.D.		2.	ug/kg	1.06
05451	trans-1,2-Dichloroethene	156-60-5	N.D.		1.	ug/kg	1.06
05452	1,1-Dichloroethane	75-34-3	N.D.		1.	ug/kg	1.06
05454	cis-1,2-Dichloroethene	156-59-2	N.D.		1.	ug/kg	1.06
05455	Chloroform	67-66-3	N.D.		1.	ug/kg	1.06
05457	1,1,1-Trichloroethane	71-55-6	N.D.		1.	ug/kg	1.06
05458	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/kg	1.06
05460	Benzene	71-43-2	N.D.		0.6	ug/kg	1.06
05461	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/kg	1.06
05462	Trichloroethene	79-01-6	N.D.		1.	ug/kg	1.06
05463	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/kg	1.06
05465	Bromodichloromethane	75-27-4	N.D.		1.	ug/kg	1.06
05466	Toluene	108-88-3	N.D.		1.	ug/kg	1.06
05467	1,1,2-Trichloroethane	79-00-5	N.D.		1.	ug/kg	1.06
05468	Tetrachloroethene	127-18-4	N.D.		1.	ug/kg	1.06
05470	Dibromochloromethane	124-48-1	N.D.		1.	ug/kg	1.06
05472	Chlorobenzene	108-90-7	N.D.		1.	ug/kg	1.06
05474	Ethylbenzene	100-41-4	N.D.		1.	ug/kg	1.06
05478	Bromoform	75-25-2	N.D.		1.	ug/kg	1.06

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Analysis Report

Lancaster Laboratories Sample No. SW 5231999

SB-19-19-20 Grab Soil Sample

Collected:12/06/2007 14:15 by JTY

Account Number: 07039

Submitted: 12/07/2007 16:05
Reported: 12/20/2007 at 10:14
Discard: 12/28/2007

Environmental Alliance, Inc.
1812 Newport Gap Pike
Wilmington DE 19808

19192

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/kg	1.06
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/kg	1.06
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/kg	1.06
06301	Xylene (Total)	1330-20-7	N.D.	1.	ug/kg	1.06
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/kg	1.06
07586	Acrolein	107-02-8	N.D.	24.	ug/kg	1.06
07587	Acrylonitrile	107-13-1	N.D.	5.	ug/kg	1.06

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08270	TPH-DRO by 8015B	SW-846 8015B	1	12/11/2007 22:41	Heather E Williams	1
00111	Moisture	SM20 2540 G	1	12/10/2007 18:50	Scott W Freisher	1
01637	TPH-GRO 8015B - soil	SW-846 8015B modified	1	12/11/2007 03:25	Linda C Pape	25
07584	PPL + Oxys in Soil	SW-846 8260B	1	12/12/2007 11:23	Nicholas R Rossi	1.06
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	12/08/2007 14:48	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	12/08/2007 14:49	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	12/08/2007 17:17	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	12/08/2007 15:08	Larry E Bevins	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	12/10/2007 11:00	Olivia Arosemena	1

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1068895
Reported: 12/20/07 at 10:14 AM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 07341A16B	Sample number(s): 5231985							
TPH-GRO 8015B - soil	N.D.	0.2	mg/kg	87		67-119		
Batch number: 073420020A	Sample number(s): 5231985-5231993,5231996-5231999							
TPH-DRO by 8015B	N.D.	4.0	mg/kg	90	92	71-109	1	20
Batch number: 07344820006B	Sample number(s): 5231985-5231993,5231996-5231999							
Moisture				100		99-101		
Batch number: 07344A34	Sample number(s): 5231986-5231993,5231996-5231999							
TPH-GRO 8015B - soil	N.D.	0.2	mg/kg	88		67-119		
Batch number: B073452AA	Sample number(s): 5231985-5231993,5231996-5231998							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/kg	94	93	72-117	1	30
di-Isopropyl ether	N.D.	1.	ug/kg	95	95	72-120	0	30
Ethyl t-butyl ether	N.D.	1.	ug/kg	92	93	72-115	1	30
t-Amyl methyl ether	N.D.	1.	ug/kg	92	92	73-116	0	30
t-Butyl alcohol	N.D.	20.	ug/kg	98	101	59-154	3	30
Chloromethane	N.D.	2.	ug/kg	82	82	44-115	0	30
Vinyl Chloride	N.D.	1.	ug/kg	87	84	52-111	4	30
Bromomethane	N.D.	2.	ug/kg	85	82	53-124	4	30
Chloroethane	N.D.	2.	ug/kg	79	76	63-120	4	30
Trichlorofluoromethane	N.D.	2.	ug/kg	101	95	58-125	6	30
1,1-Dichloroethene	N.D.	1.	ug/kg	102	98	83-121	4	30
Methylene Chloride	N.D.	2.	ug/kg	95	94	75-120	0	30
trans-1,2-Dichloroethene	N.D.	1.	ug/kg	101	96	84-116	5	30
1,1-Dichloroethane	N.D.	1.	ug/kg	101	99	82-116	2	30
cis-1,2-Dichloroethene	N.D.	1.	ug/kg	95	95	84-113	0	30
Chloroform	N.D.	1.	ug/kg	101	100	81-117	1	30
1,1,1-Trichloroethane	N.D.	1.	ug/kg	102	97	74-127	5	30
Carbon Tetrachloride	N.D.	1.	ug/kg	102	96	76-122	6	30
Benzene	N.D.	0.5	ug/kg	99	96	84-115	3	30
1,2-Dichloroethane	N.D.	1.	ug/kg	102	102	76-126	0	30
Trichloroethene	N.D.	1.	ug/kg	102	100	81-114	2	30
1,2-Dichloropropane	N.D.	1.	ug/kg	97	97	78-119	1	30
Bromodichloromethane	N.D.	1.	ug/kg	99	97	77-116	2	30
Toluene	N.D.	1.	ug/kg	101	98	81-116	3	30
1,1,2-Trichloroethane	N.D.	1.	ug/kg	100	99	81-112	1	30
Tetrachloroethene	N.D.	1.	ug/kg	100	94	77-120	6	30
Dibromochloromethane	N.D.	1.	ug/kg	100	97	80-113	3	30
Chlorobenzene	N.D.	1.	ug/kg	100	98	81-112	2	30
Ethylbenzene	N.D.	1.	ug/kg	101	97	82-115	4	30
Bromoform	N.D.	1.	ug/kg	95	92	63-120	3	30
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/kg	111	107	64-121	4	30
trans-1,3-Dichloropropene	N.D.	1.	ug/kg	98	97	79-112	1	30
cis-1,3-Dichloropropene	N.D.	1.	ug/kg	96	97	80-111	1	30
Xylene (Total)	N.D.	1.	ug/kg	96	94	82-117	3	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1068895
Reported: 12/20/07 at 10:14 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/kg	283*	271*	26-148	4	30
Acrolein	N.D.	20.	ug/kg	83	86	44-134	3	30
Acrylonitrile	N.D.	4.	ug/kg	86	91	58-122	6	30
Batch number: B073461AA	Sample number(s): 5231999							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/kg	96	95	72-117	0	30
di-Isopropyl ether	N.D.	1.	ug/kg	98	100	72-120	1	30
Ethyl t-butyl ether	N.D.	1.	ug/kg	94	96	72-115	2	30
t-Amyl methyl ether	N.D.	1.	ug/kg	94	93	73-116	1	30
t-Butyl alcohol	N.D.	20.	ug/kg	97	100	59-154	2	30
Chloromethane	N.D.	2.	ug/kg	77	77	44-115	1	30
Vinyl Chloride	N.D.	1.	ug/kg	79	81	52-111	2	30
Bromomethane	N.D.	2.	ug/kg	81	84	53-124	3	30
Chloroethane	N.D.	2.	ug/kg	74	76	63-120	2	30
Trichlorofluoromethane	N.D.	2.	ug/kg	91	91	58-125	1	30
1,1-Dichloroethene	N.D.	1.	ug/kg	100	100	83-121	0	30
Methylene Chloride	N.D.	2.	ug/kg	100	104	75-120	4	30
trans-1,2-Dichloroethene	N.D.	1.	ug/kg	98	98	84-116	0	30
1,1-Dichloroethane	N.D.	1.	ug/kg	102	103	82-116	1	30
cis-1,2-Dichloroethene	N.D.	1.	ug/kg	95	97	84-113	2	30
Chloroform	N.D.	1.	ug/kg	103	102	81-117	0	30
1,1,1-Trichloroethane	N.D.	1.	ug/kg	99	101	74-127	2	30
Carbon Tetrachloride	N.D.	1.	ug/kg	96	99	76-122	3	30
Benzene	N.D.	0.5	ug/kg	99	100	84-115	2	30
1,2-Dichloroethane	N.D.	1.	ug/kg	107	109	76-126	2	30
Trichloroethene	N.D.	1.	ug/kg	100	101	81-114	1	30
1,2-Dichloropropane	N.D.	1.	ug/kg	100	103	78-119	3	30
Bromodichloromethane	N.D.	1.	ug/kg	102	102	77-116	1	30
Toluene	N.D.	1.	ug/kg	101	101	81-116	0	30
1,1,2-Trichloroethane	N.D.	1.	ug/kg	102	103	81-112	1	30
Tetrachloroethene	N.D.	1.	ug/kg	93	94	77-120	1	30
Dibromochloromethane	N.D.	1.	ug/kg	101	99	80-113	2	30
Chlorobenzene	N.D.	1.	ug/kg	100	101	81-112	1	30
Ethylbenzene	N.D.	1.	ug/kg	100	101	82-115	1	30
Bromoform	N.D.	1.	ug/kg	93	92	63-120	1	30
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/kg	114	115	64-121	0	30
trans-1,3-Dichloropropene	N.D.	1.	ug/kg	101	101	79-112	0	30
cis-1,3-Dichloropropene	N.D.	1.	ug/kg	98	99	80-111	1	30
Xylene (Total)	N.D.	1.	ug/kg	96	96	82-117	1	30
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/kg	244*	237*	26-148	3	30
Acrolein	N.D.	20.	ug/kg	83	83	44-134	0	30
Acrylonitrile	N.D.	4.	ug/kg	86	87	58-122	2	30
Batch number: L073461AA	Sample number(s): 5231994-5231995							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	95		73-119		
di-Isopropyl ether	N.D.	0.8	ug/l	99		70-123		
Ethyl t-butyl ether	N.D.	0.8	ug/l	98		74-120		
t-Amyl methyl ether	N.D.	0.8	ug/l	99		79-113		
t-Butyl alcohol	N.D.	10.	ug/l	92		74-117		
Chloromethane	N.D.	1.	ug/l	115		47-122		
Vinyl Chloride	N.D.	1.	ug/l	104		54-123		
Bromomethane	N.D.	1.	ug/l	69		49-117		
Chloroethane	N.D.	1.	ug/l	85		54-117		
Trichlorofluoromethane	N.D.	2.	ug/l	96		59-128		
1,1-Dichloroethene	N.D.	0.8	ug/l	95		76-122		

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1068895
Reported: 12/20/07 at 10:14 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Methylene Chloride	N.D.	2.	ug/l	96		85-120		
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	96		83-117		
1,1-Dichloroethane	N.D.	1.	ug/l	101		83-127		
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	99		84-117		
Chloroform	N.D.	0.8	ug/l	101		77-125		
1,1,1-Trichloroethane	N.D.	0.8	ug/l	98		83-127		
Carbon Tetrachloride	N.D.	1.	ug/l	98		77-130		
Benzene	N.D.	0.5	ug/l	99		78-119		
1,2-Dichloroethane	N.D.	1.	ug/l	104		69-135		
Trichloroethene	N.D.	1.	ug/l	102		87-117		
1,2-Dichloropropane	N.D.	1.	ug/l	100		80-117		
Bromodichloromethane	N.D.	1.	ug/l	100		83-121		
Toluene	N.D.	0.7	ug/l	100		85-115		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	100		86-113		
Tetrachloroethene	N.D.	0.8	ug/l	106		76-118		
Dibromochloromethane	N.D.	1.	ug/l	102		78-119		
Chlorobenzene	N.D.	0.8	ug/l	102		85-115		
Ethylbenzene	N.D.	0.8	ug/l	100		82-119		
Bromoform	N.D.	1.	ug/l	104		69-118		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	97		72-119		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	98		79-114		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	99		78-114		
Xylene (Total)	N.D.	0.8	ug/l	102		83-113		
Acrylonitrile	N.D.	4.	ug/l	111		67-128		
Acrolein	N.D.	40.	ug/l	91		26-151		
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l	99		66-125		
Batch number: Q073461AA	Sample number(s): 5231986							
Methyl Tertiary Butyl Ether	N.D.	25.	ug/kg	92	95	72-117	3	30
t-Butyl alcohol	N.D.	1,000.	ug/kg	98	95	59-154	2	30

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 07341A16B	Sample number(s): 5231985 UNSPK: P222532								
TPH-GRO 8015B - soil	75	76	39-118	2	30				
Batch number: 07344820006B	Sample number(s): 5231985-5231993,5231996-5231999 BKG: 5231986								
Moisture						9.7	9.0	8	15
Batch number: 07344A34	Sample number(s): 5231986-5231993,5231996-5231999 UNSPK: P228095								
TPH-GRO 8015B - soil	73	83	39-118	13	30				
Batch number: B073452AA	Sample number(s): 5231985-5231993,5231996-5231998 UNSPK: P232088								
Methyl Tertiary Butyl Ether	80		59-119						
di-Isopropyl ether	84		58-113						
Ethyl t-butyl ether	77		60-112						
t-Amyl methyl ether	79		63-112						
t-Butyl alcohol	211*		51-134						

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
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Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1068895
Reported: 12/20/07 at 10:14 AM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Chloromethane	76		38-115						
Vinyl Chloride	76		41-104						
Bromomethane	75		50-114						
Chloroethane	66		52-114						
Trichlorofluoromethane	89		39-122						
1,1-Dichloroethene	93		64-118						
Methylene Chloride	88		50-127						
trans-1,2-Dichloroethene	88		60-110						
1,1-Dichloroethane	91		65-115						
cis-1,2-Dichloroethene	84		67-110						
Chloroform	89		69-117						
1,1,1-Trichloroethane	86		64-118						
Carbon Tetrachloride	87		56-120						
Benzene	87		66-112						
1,2-Dichloroethane	91		62-130						
Trichloroethene	89		48-131						
1,2-Dichloropropane	87		64-112						
Bromodichloromethane	84		66-119						
Toluene	89		50-121						
1,1,2-Trichloroethane	85		64-118						
Tetrachloroethene	86		40-140						
Dibromochloromethane	83		67-113						
Chlorobenzene	87		58-109						
Ethylbenzene	89		54-116						
Bromoform	72		54-114						
1,1,2,2-Tetrachloroethane	91		37-142						
trans-1,3-Dichloropropene	84		60-110						
cis-1,3-Dichloropropene	83		56-112						
Xylene (Total)	85		52-117						
2-Chloroethyl Vinyl Ether	207*		16-141						
Acrolein	111		10-135						
Acrylonitrile	116		43-117						
Batch number: B073461AA	Sample number(s): 5231999 UNSPK: P231493								
Methyl Tertiary Butyl Ether	90		59-119						
di-Isopropyl ether	101		58-113						
Ethyl t-butyl ether	93		60-112						
t-Amyl methyl ether	89		63-112						
t-Butyl alcohol	199*		51-134						
Chloromethane	83		38-115						
Vinyl Chloride	84		41-104						
Bromomethane	86		50-114						
Chloroethane	77		52-114						
Trichlorofluoromethane	105		39-122						
1,1-Dichloroethene	105		64-118						
Methylene Chloride	106		50-127						
trans-1,2-Dichloroethene	96		60-110						
1,1-Dichloroethane	104		65-115						
cis-1,2-Dichloroethene	95		67-110						
Chloroform	105		69-117						
1,1,1-Trichloroethane	98		64-118						
Carbon Tetrachloride	97		56-120						
Benzene	100		66-112						

*- Outside of specification
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(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1068895
Reported: 12/20/07 at 10:14 AM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,2-Dichloroethane	109		62-130						
Trichloroethene	101		48-131						
1,2-Dichloropropane	104		64-112						
Bromodichloromethane	102		66-119						
Toluene	104		50-121						
1,1,2-Trichloroethane	102		64-118						
Tetrachloroethene	99		40-140						
Dibromochloromethane	97		67-113						
Chlorobenzene	104		58-109						
Ethylbenzene	105		54-116						
Bromoform	84		54-114						
1,1,2,2-Tetrachloroethane	104		37-142						
trans-1,3-Dichloropropene	100		60-110						
cis-1,3-Dichloropropene	98		56-112						
Xylene (Total)	102		52-117						
2-Chloroethyl Vinyl Ether	194*		16-141						
Acrolein	125		10-135						
Acrylonitrile	119*		43-117						
Batch number: L073461AA	Sample number(s): 5231994-5231995 UNSPK: P231232								
Methyl Tertiary Butyl Ether	100	101	69-127	1	30				
di-Isopropyl ether	105	106	68-129	1	30				
Ethyl t-butyl ether	102	103	78-119	2	30				
t-Amyl methyl ether	103	104	72-125	1	30				
t-Butyl alcohol	95	90	70-121	5	30				
Chloromethane	121	124	47-133	3	30				
Vinyl Chloride	118	119	55-130	1	30				
Bromomethane	78	75	52-129	4	30				
Chloroethane	88	87	57-130	2	30				
Trichlorofluoromethane	122	122	67-150	0	30				
1,1-Dichloroethene	111	111	87-145	0	30				
Methylene Chloride	102	104	79-133	2	30				
trans-1,2-Dichloroethene	106	107	82-133	1	30				
1,1-Dichloroethane	107	108	85-135	1	30				
cis-1,2-Dichloroethene	108	108	83-126	0	30				
Chloroform	109	109	83-139	0	30				
1,1,1-Trichloroethane	111	111	81-142	0	30				
Carbon Tetrachloride	113	112	82-149	1	30				
Benzene	109	109	83-128	0	30				
1,2-Dichloroethane	109	109	70-143	1	30				
Trichloroethene	112	112	83-136	1	30				
1,2-Dichloropropane	108	108	83-129	0	30				
Bromodichloromethane	105	106	80-137	0	30				
Toluene	109	109	83-127	0	30				
1,1,2-Trichloroethane	104	104	77-125	0	30				
Tetrachloroethene	114	114	78-133	0	30				
Dibromochloromethane	104	104	82-119	0	30				
Chlorobenzene	108	109	83-120	1	30				
Ethylbenzene	109	109	82-129	0	30				
Bromoform	103	103	64-119	0	30				
1,1,2,2-Tetrachloroethane	101	101	73-121	1	30				
trans-1,3-Dichloropropene	98	99	77-123	1	30				
cis-1,3-Dichloropropene	97	98	80-126	1	30				

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1068895
Reported: 12/20/07 at 10:14 AM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Xylene (Total)	110	111	82-130	1	30				
Acrylonitrile	115	114	63-132	0	30				
Acrolein	109	95	28-146	14	30				
2-Chloroethyl Vinyl Ether	0*	0*	1-156	0	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TPH-GRO 8015B - soil
Batch number: 07341A16B

	Trifluorotoluene-F
5231985	87
Blank	84
LCS	91
MS	89
MSD	88
Limits:	61-122

Analysis Name: TPH-DRO by 8015B
Batch number: 073420020A

	Orthoterphenyl
5231985	94
5231986	97
5231987	96
5231988	100
5231989	89
5231990	95
5231991	96
5231992	96
5231993	97
5231996	98
5231997	97
5231998	97
5231999	98
Blank	101
LCS	121
LCSD	120
Limits:	59-129

Analysis Name: TPH-GRO 8015B - soil
Batch number: 07344A34

	Trifluorotoluene-F
5231986	98

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1068895
Reported: 12/20/07 at 10:14 AM

Surrogate Quality Control

5231987	100
5231988	95
5231989	94
5231990	94
5231991	88
5231992	90
5231993	96
5231996	91
5231997	99
5231998	92
5231999	84
Blank	91
LCS	94
MS	86
MSD	90
Limits:	61-122

Analysis Name: PPL + Oxys in Soil
Batch number: B073452AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5231985	89	89	98	89
5231986	91	90	97	91
5231987	92	95	97	90
5231988	91	91	97	90
5231989	90	90	98	89
5231990	90	92	98	91
5231991	91	93	97	91
5231992	89	90	98	89
5231993	90	89	97	90
5231996	89	87	99	90
5231997	91	93	99	90
5231998	91	92	97	90
Blank	90	92	98	90
LCS	91	91	98	92
LCSD	91	92	98	91
MS	91	92	99	93
Limits:	71-114	70-109	70-123	70-111

Analysis Name: PPL + Oxys in Soil
Batch number: B073461AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5231999	90	88	98	90
Blank	90	89	98	90
LCS	94	91	98	93
LCSD	92	91	98	92
MS	89	88	100	93
Limits:	71-114	70-109	70-123	70-111

Analysis Name: PPL + Oxys in Water
Batch number: L073461AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5231994	110	107	104	97

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1068895
Reported: 12/20/07 at 10:14 AM

Surrogate Quality Control

5231995	109	108	104	98
Blank	110	107	104	98
LCS	108	105	108	104
MS	108	106	107	103
MSD	109	108	108	103
Limits:	80-116	77-113	80-113	78-113

Analysis Name: 8260 Master Scan (soil)
Batch number: Q073461AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
Blank	98	99	93	92
LCS	96	95	92	98
LCSD	100	98	95	105
Limits:	71-114	70-109	70-123	70-111

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 7039 Group# 1068895 Sample # 5231885-89

COC # 0168571

Please print. Instructions on reverse side correspond with circled numbers.

For Lab Use Only
FSC:
SCR#: S1575

(1)
Client: Environmental Alliance Acct. #:
Project Name/#: Wally's Citgo PWSID #:
Project Manager: Andrew Applebaum P.O.#: 1962B-08
Sampler: Jason T. Yaple Quote #:
Name of state where samples were collected: MD

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) Sample Identification	Date Collected	Time Collected	(3)		Matrix (4)			Total #	Full Scan 8260 + Oxy	TPH-GRO	TPH-DRO						Remarks
SB-12-22-23	12/4/07	1215	X		X			3	1	1	1						
SB-14-21-22	12/4/07	1430	X		X			3	1	1	1						
SB-16-15-17	12/4/07	1615	X		X			3	1	1	1						
SB-13-17-20	12/5/07	0900	X		X			3	1	1	1						
SB-20-11-14	12/5/07	1420	X		X			3	1	1	1						
SB-21-16-17	12/5/07	1430	X		X			3	1	1	1						
SB-21-19-21	12/5/07	1440	X		X			3	1	1	1						
SB-17-17-19	12/5/07	1450	X		X			3	1	1	1						
SB-22-13-16	12/6/07	0930	X		X			3	1	1	1						
FB-1	12/6/07	0945	X			X		3	3								

(7) **Turnaround Time Requested** (TAT) (please circle): Normal (Rush)
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: 12/14/07
Rush results requested by (please circle): Phone Fax (E-mail)
Phone #: Fax #:
E-mail address:

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes (No)
Site-specific QC (MS/MSD/Dup)? Yes (No)
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes (No)

EZEDD

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
Bottle Storage			[signature]	12/3/07	1200
[signature]	12/7/07	1000	Marvin McCallister	12/7/07	10:10
Marvin McCallister	12/7/07	16:05			
			[signature]	12/7/07	1605

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

2102.03

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only
Acct. # 7039 Group# 1068895 Sample # 5231985-99

COC # 0168572

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Environmental Alliance Acct. #:
Project Name/#: Wally's Citgo PWSID #:
Project Manager: Andrew Applebaum P.O.#: 1962B-08
Sampler: Jason T. Yaple Quote #:
Name of state where samples were collected: MD

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) Sample Identification	Date Collected	Time Collected	(3)		(4) Matrix				(5) Analyses Requested: Full Scan 8260 + Oxy	TPH-GRO	TPH-DRO						(6) Remarks
TB07320	11/28/07	—	X			X		2	2								
SB-15 ~~[illegible]~~ 15-16	12/6/07	1045	X		X			3	1	1	1						
SB-15-18-19	12/6/07	1100	X		X			3	1	1	1						
SB-18-8-10	12/6/07	1145	X		X			3	1	1	1						
SB-19-19-20	12/6/07	1415	X		X			3	1	1	1						

(7) **Turnaround Time Requested** (TAT) (please circle): Normal **Rush** (circled)
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: 12/14/07
Rush results requested by (please circle): Phone Fax **E-mail** (circled)
Phone #: Fax #:
E-mail address:

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

EZ EDD

SDG Complete? Yes **No** (circled)
Site-specific QC (MS/MSD/Dup)? Yes **No** (circled)
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / **No** (circled)

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	12/7/07	1000	Marvin McAllister	12/7/07	10:10
Marvin McAllister	12/7/07	1650			
			[signature]	12/7/07	1605

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
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Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.