ENVIRONMENTAL ALLIANCE

April 1, 2008

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

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

Re: Semi-Annual Sampling Report
Jacksonville Citgo
14226 Jarrettsville Pike
Phoenix, Maryland
MDE Case #06-0328 BA2
Facility I.D. No. 7024

Dear Ms. Jackson:

Environmental Alliance, Inc. (Alliance) on behalf of Carroll Independent Fuel Company (CIFC), has prepared this report to document the results of the February 6, 2008 groundwater sampling event completed at the above referenced site. This report covers the reporting period from September 1, 2007 through February 29, 2008.

Alliance initiated semi-annual sampling events in August 2005 in order to satisfy the requirements within the Maryland Department of the Environment Oil Control Division (MDE – Oil Control) emergency regulations for high groundwater use areas. In October 2005, MDE issued a directive to continue semi-annual sampling of the monitoring wells, tank field wells and the site potable well. Semi-annual sampling activities continue as directed.

February 6, 2008 Groundwater Sampling Event

The three monitoring wells were purged and sampled in accordance with Alliance's *Standard Operating Procedures,* industry standards, and regulatory requirements on February 6, 2008. The procedures utilized during sampling include a required minimum of three borehole volumes be purged before sampling (dependent upon field conditions). In addition, groundwater was also collected from tank field wells, when water was available, through no purging methods.

Groundwater samples were shipped to Lancaster Laboratories of Lancaster, Pennsylvania (Lancaster) under chain of custody protocols for analysis of volatile organic compounds (VOCs) including oxygenates in accordance with EPA Method 8260 and total petroleum hydrocarbons (TPH) for both gasoline-range organics (GRO) and diesel range organics (DRO) in accordance with EPA Method 8015. Tank field wells TF-1 and TF-2 were not sampled due limited water in each well. A water sample was also collected from potable well PW-1 and analyzed in accordance with EPA Method 524.2. Groundwater analytical (petroleum compounds only) and gauging results are present in Table 1, a groundwater gradient map is presented in Figure 1, and laboratory analytical reports are presented in Attachment I. Analytical results of potable well sampling are summarized (petroleum compounds only) in Table 2 and laboratory analytical reports are presented in Attachment I.

The groundwater-gauging results collected during the groundwater-sampling event on February 6, 2008 ranged from an elevation of 54.97 feet (MW-3) to 56.77 feet (MW-2). As presented in Figure 1 the predominant groundwater flow direction is to the north-northwest.

Analytical results indicated that the groundwater sample collected from monitoring well MW-3 was above MDE Generic Numeric Cleanup Standards (MDE GNCS) for benzene. Monitoring wells MW-1 through MW-3 were above MDE standards for TPH-DRO and TPH-GRO. Analytical data is summarized (petroleum compounds only) on Table 1 and the laboratory analytical report is included in Attachment I. Analytical results are included in a groundwater monitoring map presented in Figure 1.

The February 6, 2008 groundwater sampling event indicated:

MONITORING WELLS:

Analysis Requested:	Full VOCs and oxygenates by EPA Method 8260; TPH-GRO and TPH-DRO by EPA Method 8015
Maximum Dissolved Benzene Concentration (ug/l):	18 ug/l in monitoring well MW-3
Maximum Dissolved BTEX Concentration (ug/l):	22 ug/l in monitoring MW-3
Maximum Dissolved MTBE Concentration (ug/l):	7 ug/l in monitoring well MW-3
Maximum Dissolved TPH-DRO Concentration (ug/l):	1,100 ug/l in monitoring well MW-1
Maximum Dissolved TPH-GRO Concentration (ug/l):	520 ug/l in monitoring well MW-3
Maximum LPH Thickness (ft):	No LPH detected

TANK FIELD WELLS:

Analysis Requested:	Full VOCs and oxygenates by EPA Method 8260
Maximum Dissolved Benzene Concentration (ug/l):	Not Sampled – Dry
Maximum Dissolved BTEX Concentration (ug/l):	Not Sampled – Dry
Maximum Dissolved MTBE Concentration (ug/l):	Not Sampled – Dry
Maximum Dissolved TPH-DRO Concentration (ug/l):	Not Sampled – Dry
Maximum Dissolved TPH-GRO Concentration (ug/l):	Not Sampled – Dry
Maximum LPH Thickness (ft):	No LPH detected

POTABLE WELL:

Analysis Requested:	Full VOCs and oxygenates by EPA Method 524.2
Maximum Dissolved Benzene Concentration (ug/l):	Not Detected
Maximum Dissolved BTEX Concentration (ug/l):	Not Detected
Maximum Dissolved MTBE Concentration (ug/l):	0.6 ug/l in potable well PW-1

Future Activities

We would like to request a reduction in sampling analysis to include an elimination of TPH-GRO and TPH-DRO from the sampling regime and a reduction from full suite VOCs to benzene, toluene, ethylbenzene and total xylenes (BTEX) and oxygenates for all monitoring and tank field wells. The request is to align the sampling requirements for the site with the Emergency Regulations (26.10.02.03-3 of COMAR). The potable well will remain the full suite VOCs and oxygenates.

Groundwater Sampling Event	August 2008
Potable Well Sampling Event	August 2008
Groundwater Sampling Report	September 2008

If you have any questions or if further information is required please contact the undersigned at (410) 729-9000. Thank you for your time.

Sincerely,
ENVIRONMENTAL ALLIANCE, INC.

Carianne A. Finch
Maryland Operation Manager/Engineer

Joseph A. Zay, III
Vice President-Field Operations

ENVIRONMENTAL ALLIANCE

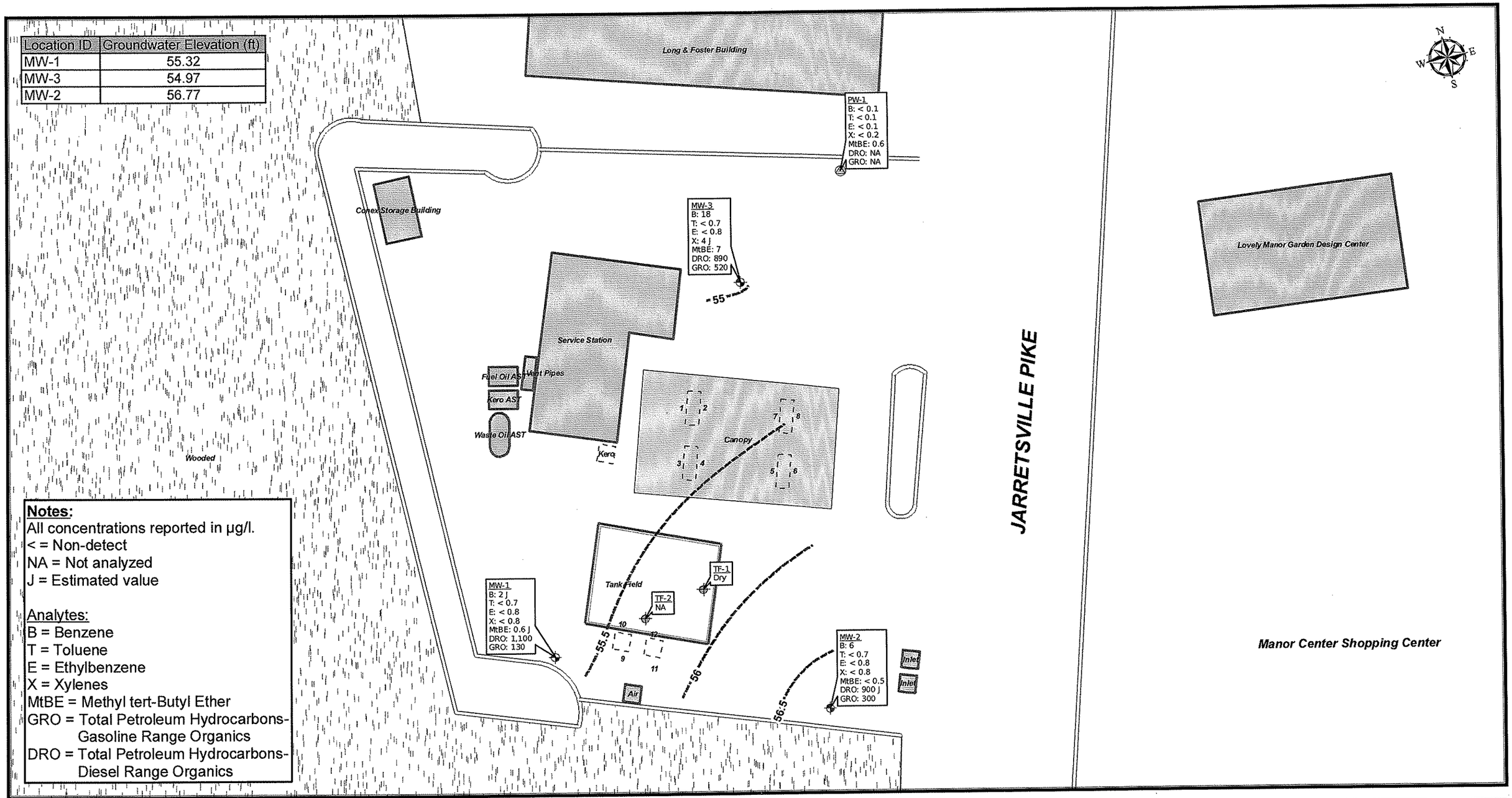
ATTACHMENTS:

Figure 1:	Groundwater Monitoring Map, February 6, 2008
Table 1:	Groundwater Analytical Data
Table 2:	Potable Well Analytical Data
Attachment I:	Laboratory Analytical Report and Chain-of-Custody Documentation

C: Mr. Randy Childs, Carroll Independent Fuel Company (CD)
Mr. Kevin Koepenick, Baltimore County, DEPRM
Ms. Yolande J. C. Norman, MDE – Oil Control (CD)

J:\EAI_files\PCG\Carroll Fuel\1957_Jacksonville_Citgo\Reports\1957 GWS Report.3.08.doc

Location ID	Groundwater Elevation (ft)
MW-1	55.32
MW-3	54.97
MW-2	56.77



Notes:
All concentrations reported in µg/l.
< = Non-detect
NA = Not analyzed
J = Estimated value

Analytes:
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MtBE = Methyl tert-Butyl Ether
GRO = Total Petroleum Hydrocarbons-Gasoline Range Organics
DRO = Total Petroleum Hydrocarbons-Diesel Range Organics

Legend

- Monitoring Well
- Potable Well
- Tank Field Well
- Groundwater Elevation (ft)
- Curb/Edge of Pavement
- Building
- Dispenser
- Pump Island
- Tank Field
- Vegetation

0 5 10 15 20 25 50 Feet
1 inch equals 25 feet

Source:
Site features bases Harford County, MD aerial orthophotography (NAIP-2005)

Environmental Alliance, Inc.
1035 Benfield Boulevard, Suite I - Millersville, MD 21108
Phone: (410) 729-9000 - Fax: (410) 729-9001

Jacksonville Citgo
14226 Jarretsville Pike
Phoenix, Maryland

Groundwater Monitoring Map
February 2008

DRAWN BY: RSF	FILE NAME: 1957-GW Mon (2008-02)	SCALE: SEE DRAWING	FIGURE NO:
APPROVED BY:	PROJECT NO: 1957	DATE: 03/21/2008	1

TABLE 1
GROUNDWATER ANALYTICAL DATA
JACKSONVILLE CITGO - 14226 JARRETTSVILLE PIKE (RT 146)
PHOENIX, MARYLAND

Location ID	Top of Casing (ft)	Sample Date	Depth to Water (ft)	Water Elevation (ft)	Constituents of Concern (ug/l)										
					BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES (TOTAL)	MTBE	TBA	TAME	ETBE	DIPE	TPH-DRO	TPH-GRO
MDE GNCS, Type I and II Aquifers					5	1,000	700	10,000	20	NG	NG	NG	NG	47	47
MW-1	98.14	08/05/05	35.99	62.15	**7.0**	< 0.7	< 0.8	< 0.8	< 0.5	--	--	--	--	--	--
		02/16/06	39.40	58.74	0.6 J	< 0.7	< 0.8	0.9 J	< 0.5	< 10	< 0.8	< 0.8	< 0.8	**740**	**210**
		08/31/06	40.06	58.08	0.5 J	< 0.7	< 0.8	< 0.8	< 0.5	< 10	< 0.8	< 0.8	< 0.8	**1,100**	**210**
		02/27/07	39.84	58.30	1.0 J	< 0.7	< 0.8	< 0.8	0.8 J	< 10	< 0.8	< 0.8	< 0.8	**1,000**	**440**
		08/20/07	40.75	57.39	0.5 J	< 0.7	< 0.8	< 0.8	< 0.5	< 10	< 0.8	< 0.8	< 0.8	**1,400**	**240**
		02/06/08	42.82	55.32	2 J	< 0.7	< 0.8	< 0.8	0.6 J	< 10	< 0.8	< 0.8	< 0.8	**1,100**	**130**
MW-2	95.58	08/05/05	44.60	50.98	0.5 J	< 0.7	< 0.8	< 0.8	4.0 J	--	--	--	--	--	--
		02/16/06	44.12	51.46	< 0.5	< 0.7	< 0.8	< 0.8	6.0	25 J	< 0.8	< 0.8	< 0.8	**560**	**380**
		08/31/06	43.50	52.08	1.0 J	< 0.7	< 0.8	< 0.8	6.0	55 J	< 0.8	< 0.8	< 0.8	**530 J**	**460**
		02/27/07	35.29	60.29	4.0 J	< 0.7	< 0.8	< 0.8	< 0.5	< 10	< 0.8	< 0.8	< 0.8	**910**	**380**
		08/20/07	36.15	59.43	3.0 J	< 0.7	< 0.8	< 0.8	< 0.5	< 10	< 0.8	< 0.8	< 0.8	**660**	**310**
		02/06/08	38.81	56.77	6	< 0.7	< 0.8	< 0.8	< 0.5	< 10	< 0.8	< 0.8	< 0.8	**900 J**	**300**
MW-3	100.62	08/05/05	40.65	59.97	1 J	< 0.7	< 0.8	2.0 J	< 0.5	--	--	--	--	--	--
		02/16/06	36.85	63.77	5.0	< 0.7	< 0.8	< 0.8	< 0.5	< 10	< 0.8	< 0.8	< 0.8	**370 J**	**350**
		08/31/06	35.54	65.08	4 J	< 0.7	< 0.8	< 0.8	< 0.5	< 10	< 0.8	< 0.8	< 0.8	**520 J**	**260**
		02/27/07	43.86	56.76	**6.0**	0.8 J	< 0.8	3.0 J	4.0 J	51 J	< 0.8	< 0.8	< 0.8	**380**	**750**
		08/20/07	44.63	55.99	**13**	0.8 J	< 0.8	2.0 J	6.0	140	< 0.8	< 0.8	< 0.8	**590**	**240**
		02/06/08	45.65	54.97	**18**	< 0.7	< 0.8	4 J	7	180	< 0.8	< 0.8	< 0.8	**890**	**520**
TF-1 (2")		08/31/06	Dry	--	--	--	--	--	--	--	--	--	--	--	--
		02/27/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--
		08/20/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--
		02/06/08	Dry	--	--	--	--	--	--	--	--	--	--	--	--
TF-2 (2")		08/31/06	Dry	--	--	--	--	--	--	--	--	--	--	--	--
		02/27/07	--	--	**97**	2.0 J	24	110	**52**	14,000	< 2.0	2.0 J	49	--	--
		08/20/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--
		02/06/08	11.25	NS- lack of water											

ND = Not Detected
NG = No Guideline
NS = Not sampled
-- = Not Applicable / Not Available
J = Estimated Value
ft = feet
Top of casing elevation based on arbitrary datum of 100 feet.
Values exceeding the specified MDE criteria are **bolded.**
TPH analysis conducted in accordance with SW8015B.
Volatile organic compound (VOC) analysis conducted in accordance with SW8260B; only BTEX, and oxygenates constituents are summarized.

MTBE = Methyl-tertiary butyl-ether
TAME - Tert-amyl methyl-ether
TBA = Tert-amyl alcohol
DIPE = Di-isopropyl benzene
ETBE = Ethyl-tertiary butyl-ether
TPH = Total petroleum hydrocarbons
GRO = gasoline-range organics
DRO = diesel-range organics

TABLE 2
POTABLE WELL ANALYTICAL DATA
JACKSONVILLE CITGO
14226 JARRETTSVILLE PIKE (RT 146)
PHOENIX, MARYLAND

Location ID	Sample Date	Constituents of Concern (ug/l)								
		BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES (TOTAL)	MTBE	TBA	TAME	ETBE	DIPE
MDE GNCS, Type I and II Aquifers		5	1,000	700	10,000	20	NG	NG	NG	NG
PW-1	08/05/05	< 0.1	< 0.1	< 0.1	< 0.3	0.7	--	--	--	--
	02/16/06	< 0.1	< 0.1	< 0.1	< 0.3	1.7	< 0.1	< 0.1	< 0.1	< 0.1
	08/31/06	0.5 J	< 0.1	< 0.1	< 0.3	4.4	15 J	< 0.1	< 0.1	< 0.1
	02/27/07	1.0	1.2	0.2 J	0.6 J	3.2	14 J	< 0.1	< 0.1	< 0.1
	08/20/07	0.7	< 0.1	< 0.1	< 0.2	1.9	14 J	< 0.1	< 0.1	< 0.1
	02/06/08	< 0.1	< 0.1	< 0.1	< 0.2	0.6	< 5	< 0.1	< 0.1	< 0.1

ND = Not Detected
NG = No Guideline
--- = Not Applicable / Not Available
J = Estimated Value
Values exceeding the specified MDE criteria are **bolded.**
Volatile organic compound (VOC) analysis conducted in accordance with 524.2; only BTEX, and oxygenates are summarized.

MTBE = Methyl-tertiary butyl-ether
TAME - Tert-amyl methyl-ether
TBA = Tert-amyl alcohol
DIPE = Di-isopropyl benzene
ETBE = Ethyl-tertiary butyl-ether

ATTACHMENT I

Lancaster Laboratories

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 1076498. Samples arrived at the laboratory on Thursday, February 07, 2008. The PO# for this group is 1957.

Client Description	Lancaster Labs Number
MW10206081355 Grab Water Sample	5274681
MW30206081420 Grab Water Sample	5274682
MW20206081445 Grab Water Sample	5274683
PW10206081510 Grab Water Sample	5274684
FB0206081450 Grab Water Sample	5274685
TB0206081455 Water Sample	5274686

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

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

Respectfully Submitted,

Valerie L. Tomayko
Group Leader

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW5274681 **Group No. 1076498**

MW10206081355 Grab Water Sample
1957 / Citgo-Jacksonville, MD

Collected:02/06/2008 13:55 by MGH

Account Number: 07039

Submitted: 02/07/2008 16:45
Reported: 02/19/2008 at 08:11
Discard: 02/27/2008

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

MW-1-

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
08269	TPH-DRO by 8015B	n.a.	1,100.		140.	ug/l	5
01635	TPH-GRO 8015B - water						
01639	TPH-GRO 8015B - water	n.a.	130.		20.	ug/l	1
07582	PPL + Oxys in Water						
02010	Methyl Tertiary Butyl Ether	1634-04-4	0.6	J	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	1.	J	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	2.	J	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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW5274681 **Group No. 1076498**

MW10206081355 Grab Water Sample
1957 / Citgo-Jacksonville, MD

Collected:02/06/2008 13:55 by MGH

Account Number: 07039

Submitted: 02/07/2008 16:45
Reported: 02/19/2008 at 08:11
Discard: 02/27/2008

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

MW-1-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
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 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
08269	TPH-DRO by 8015B	SW-846 8015B	1	02/13/2008 14:43	Diane V Do	5
01635	TPH-GRO 8015B - water	SW-846 8015B modified	1	02/12/2008 01:40	Patrick N Evans	1
07582	PPL + Oxys in Water	SW-846 8260B	1	02/11/2008 08:48	Matthew S Woods	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/12/2008 01:40	Patrick N Evans	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/11/2008 08:48	Matthew S Woods	1
07003	Extraction - DRO (Waters)	SW-846 3510C	1	02/11/2008 03:30	Sherry L Morrow	1

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW5274682 **Group No. 1076498**

MW30206081420 Grab Water Sample
1957 / Citgo-Jacksonville, MD

Collected:02/06/2008 14:20 by MGH

Account Number: 07039

Submitted: 02/07/2008 16:45
Reported: 02/19/2008 at 08:11
Discard: 02/27/2008

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

MW-3-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08269	TPH-DRO by 8015B	n.a.	890.	29.	ug/l	1
01635	TPH-GRO 8015B - water					
01639	TPH-GRO 8015B - water	n.a.	520.	20.	ug/l	1
07582	PPL + Oxys in Water					
02010	Methyl Tertiary Butyl Ether	1634-04-4	7.	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	180.	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	18.	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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW5274682 **Group No. 1076498**

MW30206081420 Grab Water Sample
1957 / Citgo-Jacksonville, MD

Collected:02/06/2008 14:20 by MGH

Account Number: 07039

Submitted: 02/07/2008 16:45
Reported: 02/19/2008 at 08:11
Discard: 02/27/2008

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

MW-3-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06310	Xylene (Total)	1330-20-7	4. J	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 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
08269	TPH-DRO by 8015B	SW-846 8015B	1	02/13/2008 16:02	Diane V Do	1
01635	TPH-GRO 8015B - water	SW-846 8015B modified	1	02/12/2008 02:13	Patrick N Evans	1
07582	PPL + Oxys in Water	SW-846 8260B	1	02/11/2008 13:20	Matthew S Woods	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/12/2008 02:13	Patrick N Evans	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/11/2008 13:20	Matthew S Woods	1
07003	Extraction - DRO (Waters)	SW-846 3510C	1	02/11/2008 03:30	Sherry L Morrow	1

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW5274683 **Group No. 1076498**

MW20206081445 Grab Water Sample
1957 / Citgo-Jacksonville, MD

Collected:02/06/2008 14:45 by MGH

Account Number: 07039

Submitted: 02/07/2008 16:45
Reported: 02/19/2008 at 08:11
Discard: 02/27/2008

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

MW-2-

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
08269	TPH-DRO by 8015B	n.a.	900.	J	290.	ug/l	1
	Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.						
01635	TPH-GRO 8015B - water						
01639	TPH-GRO 8015B - water	n.a.	300.		20.	ug/l	1
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	6.		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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW5274683 **Group No. 1076498**

MW20206081445 Grab Water Sample
1957 / Citgo-Jacksonville, MD

Collected:02/06/2008 14:45 by MGH

Account Number: 07039

Submitted: 02/07/2008 16:45
Reported: 02/19/2008 at 08:11
Discard: 02/27/2008

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

MW-2-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
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 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
08269	TPH-DRO by 8015B	SW-846 8015B	1	02/13/2008 14:24	Diane V Do	1
01635	TPH-GRO 8015B - water	SW-846 8015B modified	1	02/12/2008 02:45	Patrick N Evans	1
07582	PPL + Oxys in Water	SW-846 8260B	1	02/11/2008 09:57	Matthew S Woods	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/12/2008 02:45	Patrick N Evans	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/11/2008 09:57	Matthew S Woods	1
07003	Extraction - DRO (Waters)	SW-846 3510C	1	02/11/2008 03:30	Sherry L Morrow	1

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. PW5274684 **Group No. 1076498**

PW10206081510 Grab Water Sample
1957 / Citgo-Jacksonville, MD

Collected:02/06/2008 15:10 by MGH

Account Number: 07039

Submitted: 02/07/2008 16:45
Reported: 02/19/2008 at 08:11
Discard: 02/27/2008

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

PW--1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
03600	Additional Compounds by 524.2					
00623	di-Isopropyl Ether	108-20-3	N.D.	0.1	ug/l	1
00624	Ethyl t-Butyl Ether	637-92-3	N.D.	0.1	ug/l	1
00625	t-Amyl Methyl Ether	994-05-8	N.D.	0.1	ug/l	1
03599	Ethyl Ether	60-29-7	N.D.	0.2	ug/l	1
03608	Acetone	67-64-1	N.D.	3.0	ug/l	1
03609	Methyl Iodide	74-88-4	N.D.	0.1	ug/l	1
03610	Carbon Disulfide	75-15-0	N.D.	0.4	ug/l	1
03611	Allyl Chloride	107-05-1	N.D.	0.1	ug/l	1
03612	Acrylonitrile	107-13-1	N.D.	2.0	ug/l	1
03613	Methyl Tertiary Butyl Ether	1634-04-4	0.6	0.1	ug/l	1
03614	2-Butanone	78-93-3	N.D.	2.0	ug/l	1
03615	Propionitrile	107-12-0	N.D.	3.0	ug/l	1
03616	Methyl Acrylate	96-33-3	N.D.	0.5	ug/l	1
03617	Methacrylonitrile	126-98-7	N.D.	1.0	ug/l	1
03621	Tetrahydrofuran	109-99-9	N.D.	2.0	ug/l	1
03622	1-Chlorobutane	109-69-3	N.D.	0.2	ug/l	1
03623	Methyl Methacrylate	80-62-6	N.D.	0.2	ug/l	1
03624	2-Nitropropane	79-46-9	N.D.	9.0	ug/l	1
03625	Chloroacetonitrile	107-14-2	N.D.	7.0	ug/l	1
03626	1,1-Dichloropropanone	513-88-2	N.D.	9.0	ug/l	1
03627	4-Methyl-2-pentanone	108-10-1	N.D.	0.6	ug/l	1
03628	Ethyl Methacrylate	97-63-2	N.D.	0.1	ug/l	1
03629	2-Hexanone	591-78-6	N.D.	0.6	ug/l	1
03630	trans-1,4-Dichloro-2-butene	110-57-6	N.D.	1.0	ug/l	1
03633	Pentachloroethane	76-01-7	N.D.	0.1	ug/l	1
03634	Hexachloroethane	67-72-1	N.D.	0.1	ug/l	1
03635	Nitrobenzene	98-95-3	N.D.	5.0	ug/l	1
08134	t-Butyl Alcohol	75-65-0	N.D.	5.0	ug/l	1
03643	EPA Method 524.2					
00328	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	ug/l	1
00498	Dichlorodifluoromethane	75-71-8	N.D.	0.2	ug/l	1
00503	2,2-Dichloropropane	594-20-7	N.D.	0.2	ug/l	1
00891	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	ug/l	1
00892	Bromochloromethane	74-97-5	N.D.	0.1	ug/l	1
00978	1,1-Dichloropropene	563-58-6	N.D.	0.1	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. PW5274684 **Group No. 1076498**

PW10206081510 Grab Water Sample
1957 / Citgo-Jacksonville, MD

Collected:02/06/2008 15:10 by MGH

Account Number: 07039

Submitted: 02/07/2008 16:45
Reported: 02/19/2008 at 08:11
Discard: 02/27/2008

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

PW--1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
00979	Dibromomethane	74-95-3	N.D.	0.1	ug/l	1
00980	1,3-Dichloropropane	142-28-9	N.D.	0.1	ug/l	1
00981	1,2-Dibromoethane	106-93-4	N.D.	0.1	ug/l	1
00983	m+p-Xylene	1330-20-7	N.D.	0.2	ug/l	1
00985	o-Xylene	95-47-6	N.D.	0.1	ug/l	1
00986	Isopropylbenzene	98-82-8	N.D.	0.1	ug/l	1
00987	Bromobenzene	108-86-1	N.D.	0.1	ug/l	1
00988	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	ug/l	1
00989	n-Propylbenzene	103-65-1	N.D.	0.1	ug/l	1
00990	2-Chlorotoluene	95-49-8	N.D.	0.1	ug/l	1
00991	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	ug/l	1
00992	4-Chlorotoluene	106-43-4	N.D.	0.2	ug/l	1
00993	tert-Butylbenzene	98-06-6	N.D.	0.1	ug/l	1
00994	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	ug/l	1
00995	sec-Butylbenzene	135-98-8	N.D.	0.1	ug/l	1
00996	p-Isopropyltoluene	99-87-6	N.D.	0.1	ug/l	1
00997	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	ug/l	1
00998	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	ug/l	1
00999	n-Butylbenzene	104-51-8	N.D.	0.2	ug/l	1
01000	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	ug/l	1
01001	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.4	ug/l	1
01002	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.2	ug/l	1
01003	Hexachlorobutadiene	87-68-3	N.D.	0.2	ug/l	1
01004	Naphthalene	91-20-3	N.D.	0.2	ug/l	1
01005	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	ug/l	1
03397	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	ug/l	1
03398	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	ug/l	1
03399	Chloromethane	74-87-3	N.D.	0.2	ug/l	1
03400	Bromomethane	74-83-9	N.D.	0.1	ug/l	1
03401	Vinyl Chloride	75-01-4	N.D.	0.1	ug/l	1
03402	Chloroethane	75-00-3	N.D.	0.2	ug/l	1
03403	Trichlorofluoromethane	75-69-4	N.D.	0.2	ug/l	1
03404	1,1-Dichloroethene	75-35-4	N.D.	0.1	ug/l	1
03405	Methylene Chloride	75-09-2	N.D.	0.3	ug/l	1
03406	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	ug/l	1
03407	1,1-Dichloroethane	75-34-3	N.D.	0.1	ug/l	1
03408	Chloroform	67-66-3	N.D.	0.1	ug/l	1
03409	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	ug/l	1
03410	Carbon Tetrachloride	56-23-5	N.D.	0.1	ug/l	1
03411	Benzene	71-43-2	N.D.	0.1	ug/l	1
03412	1,2-Dichloroethane	107-06-2	N.D.	0.1	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. PW5274684 **Group No. 1076498**

PW10206081510 Grab Water Sample
1957 / Citgo-Jacksonville, MD

Collected:02/06/2008 15:10 by MGH

Account Number: 07039

Submitted: 02/07/2008 16:45
Reported: 02/19/2008 at 08:11
Discard: 02/27/2008

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

PW--1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
03413	Trichloroethene	79-01-6	N.D.	0.1	ug/l	1
03414	1,2-Dichloropropane	78-87-5	N.D.	0.1	ug/l	1
03415	Bromodichloromethane	75-27-4	N.D.	0.1	ug/l	1
03416	Toluene	108-88-3	N.D.	0.1	ug/l	1
03417	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	ug/l	1
03418	Tetrachloroethene	127-18-4	N.D.	0.1	ug/l	1
03419	Dibromochloromethane	124-48-1	N.D.	0.1	ug/l	1
03420	Chlorobenzene	108-90-7	N.D.	0.1	ug/l	1
03421	Ethylbenzene	100-41-4	N.D.	0.1	ug/l	1
03422	Styrene	100-42-5	N.D.	0.1	ug/l	1
03423	Bromoform	75-25-2	N.D.	0.1	ug/l	1
03424	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	ug/l	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
03600	Additional Compounds by 524.2	EPA 524.2 Rev. 4.1	1	02/08/2008 17:59	Lauren C Marzario	1
03643	EPA Method 524.2	EPA 524.2 Rev. 4.1	1	02/08/2008 17:59	Lauren C Marzario	1

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW5274685 **Group No. 1076498**

FB0206081450 Grab Water Sample
1957 / Citgo-Jacksonville, MD

Collected:02/06/2008 14:50 by MGH

Account Number: 07039

Submitted: 02/07/2008 16:45
Reported: 02/19/2008 at 08:11
Discard: 02/27/2008

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

FB268

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
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 recovered in an acid preserved sample.

All QC is compliant unless otherwise noted. Please refer to the Quality

Lancaster Laboratories

Lancaster Laboratories Sample No. WW5274685 **Group No. 1076498**

FB0206081450 Grab Water Sample
1957 / Citgo-Jacksonville, MD

Collected:02/06/2008 14:50 by MGH

Account Number: 07039

Submitted: 02/07/2008 16:45
Reported: 02/19/2008 at 08:11
Discard: 02/27/2008

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

FB268

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
	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	02/11/2008 06:54	Matthew S Woods	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/11/2008 06:54	Matthew S Woods	1

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW5274686 **Group No. 1076498**

TB0206081455 Water Sample
1957 / Citgo-Jacksonville, MD

Collected:02/06/2008 14:55

Account Number: 07039

Submitted: 02/07/2008 16:45
Reported: 02/19/2008 at 08:11
Discard: 02/27/2008

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

TB268

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
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 recovered in an acid preserved sample.

All QC is compliant unless otherwise noted. Please refer to the Quality

Lancaster Laboratories

Lancaster Laboratories Sample No. WW5274686 **Group No. 1076498**

TB0206081455 Water Sample
1957 / Citgo-Jacksonville, MD

Collected:02/06/2008 14:55

Account Number: 07039

Submitted: 02/07/2008 16:45
Reported: 02/19/2008 at 08:11
Discard: 02/27/2008

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

TB268

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
	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	02/11/2008 07:17	Matthew S Woods	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/11/2008 07:17	Matthew S Woods	1

Lancaster Laboratories

Quality Control Summary

Client Name: Environmental Alliance, Inc.
Reported: 02/19/08 at 08:11 AM

Group Number: 1076498

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: 080400008A	Sample number(s): 5274681-5274683							
TPH-DRO by 8015B	N.D.	29.	ug/l	86	89	63-119	3	20
Batch number: 08042A51A	Sample number(s): 5274681-5274683							
TPH-GRO 8015B - water	N.D.	20.	ug/l	91	97	75-135	6	30
Batch number: N080421AA	Sample number(s): 5274681-5274683,5274685-5274686							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	97	94	73-119	3	30
di-Isopropyl ether	N.D.	0.8	ug/l	100	99	70-123	1	30
Ethyl t-butyl ether	N.D.	0.8	ug/l	94	94	74-120	1	30
t-Amyl methyl ether	N.D.	0.8	ug/l	96	94	79-113	1	30
t-Butyl alcohol	N.D.	10.	ug/l	97	98	74-117	1	30
Chloromethane	N.D.	1.	ug/l	110	107	47-122	3	30
Vinyl Chloride	N.D.	1.	ug/l	106	104	54-123	2	30
Bromomethane	N.D.	1.	ug/l	100	97	49-117	4	30
Chloroethane	N.D.	1.	ug/l	102	100	54-117	2	30
Trichlorofluoromethane	N.D.	2.	ug/l	110	110	59-128	1	30
1,1-Dichloroethene	N.D.	0.8	ug/l	106	105	76-122	1	30
Methylene Chloride	N.D.	2.	ug/l	106	106	85-120	1	30
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	105	106	83-117	1	30
1,1-Dichloroethane	N.D.	1.	ug/l	103	103	83-127	0	30
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	99	97	84-117	1	30
Chloroform	N.D.	0.8	ug/l	104	103	77-125	1	30
1,1,1-Trichloroethane	N.D.	0.8	ug/l	105	102	83-127	3	30
Carbon Tetrachloride	N.D.	1.	ug/l	103	100	77-130	3	30
Benzene	N.D.	0.5	ug/l	105	103	78-119	2	30
1,2-Dichloroethane	N.D.	1.	ug/l	106	104	69-135	2	30
Trichloroethene	N.D.	1.	ug/l	106	100	87-117	6	30
1,2-Dichloropropane	N.D.	1.	ug/l	104	103	80-117	2	30
Bromodichloromethane	N.D.	1.	ug/l	105	103	83-121	2	30
Toluene	N.D.	0.7	ug/l	104	103	85-115	1	30
1,1,2-Trichloroethane	N.D.	0.8	ug/l	103	101	86-113	2	30
Tetrachloroethene	N.D.	0.8	ug/l	105	103	76-118	2	30
Dibromochloromethane	N.D.	1.	ug/l	107	106	78-119	1	30
Chlorobenzene	N.D.	0.8	ug/l	103	102	85-115	1	30
Ethylbenzene	N.D.	0.8	ug/l	105	104	82-119	1	30
Bromoform	N.D.	1.	ug/l	95	96	69-118	2	30
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	101	102	72-119	1	30
trans-1,3-Dichloropropene	N.D.	1.	ug/l	100	99	79-114	1	30
cis-1,3-Dichloropropene	N.D.	1.	ug/l	100	99	78-114	2	30
Xylene (Total)	N.D.	0.8	ug/l	104	103	83-113	1	30
Acrylonitrile	N.D.	4.	ug/l	99	97	67-128	2	30
Acrolein	N.D.	40.	ug/l	107	108	26-151	1	30
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l	88	88	66-125	0	30
Batch number: S080391AA	Sample number(s): 5274684							

*- 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.

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1076498
Reported: 02/19/08 at 08:11 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,1,1,2-Tetrachloroethane	N.D.	0.1	ug/l	91		70-130		
Dichlorodifluoromethane	N.D.	0.2	ug/l	86		70-130		
2,2-Dichloropropane	N.D.	0.2	ug/l	86		70-130		
di-Isopropyl Ether	N.D.	0.1	ug/l	82		70-130		
Ethyl t-Butyl Ether	N.D.	0.1	ug/l	94		70-130		
t-Amyl Methyl Ether	N.D.	0.1	ug/l	96		70-130		
cis-1,2-Dichloroethene	N.D.	0.1	ug/l	100		70-130		
Bromochloromethane	N.D.	0.1	ug/l	94		70-130		
1,1-Dichloropropene	N.D.	0.1	ug/l	100		70-130		
Dibromomethane	N.D.	0.1	ug/l	104		70-130		
1,3-Dichloropropane	N.D.	0.1	ug/l	103		70-130		
1,2-Dibromoethane	N.D.	0.1	ug/l	112		70-130		
m+p-Xylene	N.D.	0.2	ug/l	99		70-130		
o-Xylene	N.D.	0.1	ug/l	95		70-130		
Isopropylbenzene	N.D.	0.1	ug/l	84		70-130		
Bromobenzene	N.D.	0.1	ug/l	92		70-130		
1,2,3-Trichloropropane	N.D.	0.2	ug/l	104		70-130		
n-Propylbenzene	N.D.	0.1	ug/l	85		70-130		
2-Chlorotoluene	N.D.	0.1	ug/l	82		70-130		
1,3,5-Trimethylbenzene	N.D.	0.1	ug/l	87		70-130		
4-Chlorotoluene	N.D.	0.2	ug/l	83		70-130		
tert-Butylbenzene	N.D.	0.1	ug/l	76		70-130		
1,2,4-Trimethylbenzene	N.D.	0.1	ug/l	88		70-130		
sec-Butylbenzene	N.D.	0.1	ug/l	74		70-130		
p-Isopropyltoluene	N.D.	0.1	ug/l	81		70-130		
1,3-Dichlorobenzene	N.D.	0.1	ug/l	84		70-130		
1,4-Dichlorobenzene	N.D.	0.1	ug/l	81		70-130		
n-Butylbenzene	N.D.	0.2	ug/l	73		70-130		
1,2-Dichlorobenzene	N.D.	0.1	ug/l	84		70-130		
1,2-Dibromo-3-chloropropane	N.D.	0.4	ug/l	95		70-130		
1,2,4-Trichlorobenzene	N.D.	0.2	ug/l	77		70-130		
Hexachlorobutadiene	N.D.	0.2	ug/l	73		70-130		
Naphthalene	N.D.	0.2	ug/l	73		70-130		
1,2,3-Trichlorobenzene	N.D.	0.2	ug/l	90		70-130		
trans-1,3-Dichloropropene	N.D.	0.1	ug/l	104		70-130		
cis-1,3-Dichloropropene	N.D.	0.1	ug/l	103		70-130		
Chloromethane	N.D.	0.2	ug/l	81		70-130		
Bromomethane	N.D.	0.1	ug/l	81		70-130		
Vinyl Chloride	N.D.	0.1	ug/l	93		70-130		
Chloroethane	N.D.	0.2	ug/l	107		70-130		
Trichlorofluoromethane	N.D.	0.2	ug/l	95		70-130		
1,1-Dichloroethene	N.D.	0.1	ug/l	95		70-130		
Methylene Chloride	N.D.	0.3	ug/l	94		70-130		
trans-1,2-Dichloroethene	N.D.	0.1	ug/l	100		70-130		
1,1-Dichloroethane	N.D.	0.1	ug/l	120		70-130		
Chloroform	N.D.	0.1	ug/l	92		70-130		
1,1,1-Trichloroethane	N.D.	0.1	ug/l	91		70-130		
Carbon Tetrachloride	N.D.	0.1	ug/l	98		70-130		
Benzene	N.D.	0.1	ug/l	96		70-130		
1,2-Dichloroethane	N.D.	0.1	ug/l	112		70-130		
Trichloroethene	N.D.	0.1	ug/l	95		70-130		
1,2-Dichloropropane	N.D.	0.1	ug/l	121		70-130		
Bromodichloromethane	N.D.	0.1	ug/l	98		70-130		
Toluene	N.D.	0.1	ug/l	90		70-130		

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

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Lancaster Laboratories

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1076498
Reported: 02/19/08 at 08:11 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,1,2-Trichloroethane	N.D.	0.1	ug/l	91		70-130		
Tetrachloroethene	N.D.	0.1	ug/l	100		70-130		
Dibromochloromethane	N.D.	0.1	ug/l	106		70-130		
Chlorobenzene	N.D.	0.1	ug/l	99		70-130		
Ethylbenzene	N.D.	0.1	ug/l	99		70-130		
Styrene	N.D.	0.1	ug/l	98		70-130		
Bromoform	N.D.	0.1	ug/l	106		70-130		
1,1,2,2-Tetrachloroethane	N.D.	0.1	ug/l	84		70-130		
Ethyl Ether	N.D.	0.2	ug/l	84		70-130		
Acetone	N.D.	3.0	ug/l	105		70-130		
Methyl Iodide	N.D.	0.1	ug/l	93		70-130		
Carbon Disulfide	N.D.	0.4	ug/l	93		70-130		
Allyl Chloride	N.D.	0.1	ug/l	95		70-130		
Acrylonitrile	N.D.	2.0	ug/l	83		70-130		
Methyl Tertiary Butyl Ether	N.D.	0.1	ug/l	90		70-130		
2-Butanone	N.D.	2.0	ug/l	98		70-130		
Propionitrile	N.D.	3.0	ug/l	88		70-130		
Methyl Acrylate	N.D.	0.5	ug/l	91		70-130		
Methacrylonitrile	N.D.	1.0	ug/l	125		70-130		
Tetrahydrofuran	N.D.	2.0	ug/l	110		70-130		
1-Chlorobutane	N.D.	0.2	ug/l	72		70-130		
Methyl Methacrylate	N.D.	0.2	ug/l	115		70-130		
2-Nitropropane	N.D.	9.0	ug/l	99		70-130		
Chloroacetonitrile	N.D.	7.0	ug/l	107		70-130		
1,1-Dichloropropanone	N.D.	9.0	ug/l	105		70-130		
4-Methyl-2-pentanone	N.D.	0.6	ug/l	104		70-130		
Ethyl Methacrylate	N.D.	0.1	ug/l	109		70-130		
2-Hexanone	N.D.	0.6	ug/l	100		70-130		
trans-1,4-Dichloro-2-butene	N.D.	1.0	ug/l	83		70-130		
Pentachloroethane	N.D.	0.1	ug/l	102		70-130		
Hexachloroethane	N.D.	0.1	ug/l	92		70-130		
Nitrobenzene	N.D.	5.0	ug/l	111		70-130		
t-Butyl Alcohol	N.D.	5.0	ug/l	93		70-130		

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: 08042A51A	Sample number(s): 5274681-5274683 UNSPK: P274913								
TPH-GRO 8015B - water	98		63-154						
Batch number: N080421AA	Sample number(s): 5274681-5274683,5274685-5274686 UNSPK: P274105								
Methyl Tertiary Butyl Ether	93		69-127						
di-Isopropyl ether	102		68-129						
Ethyl t-butyl ether	97		78-119						
t-Amyl methyl ether	98		72-125						
t-Butyl alcohol	98		70-121						
Chloromethane	117		47-133						
Vinyl Chloride	115		55-130						

*- 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.

Lancaster Laboratories, Inc.
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Lancaster Laboratories

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1076498
Reported: 02/19/08 at 08:11 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
Bromomethane	107		52-129						
Chloroethane	108		57-130						
Trichlorofluoromethane	121		67-150						
1,1-Dichloroethene	115		87-145						
Methylene Chloride	108		79-133						
trans-1,2-Dichloroethene	110		82-133						
1,1-Dichloroethane	107		85-135						
cis-1,2-Dichloroethene	103		83-126						
Chloroform	106		83-139						
1,1,1-Trichloroethane	110		81-142						
Carbon Tetrachloride	111		82-149						
Benzene	107		83-128						
1,2-Dichloroethane	106		70-143						
Trichloroethene	107		83-136						
1,2-Dichloropropane	105		83-129						
Bromodichloromethane	108		80-137						
Toluene	107		83-127						
1,1,2-Trichloroethane	110		77-125						
Tetrachloroethene	108		78-133						
Dibromochloromethane	106		82-119						
Chlorobenzene	105		83-120						
Ethylbenzene	110		82-129						
Bromoform	95		64-119						
1,1,2,2-Tetrachloroethane	106		73-121						
trans-1,3-Dichloropropene	98		77-123						
cis-1,3-Dichloropropene	98		80-126						
Xylene (Total)	108		82-130						
Acrylonitrile	97		63-132						
Acrolein	117		28-146						
2-Chloroethyl Vinyl Ether	0*		1-156						

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-DRO by 8015B
Batch number: 080400008A

	Orthoterphenyl
5274681	62
5274682	89
5274683	88
Blank	89
LCS	106
LCSD	108
Limits:	54-127

Analysis Name: TPH-GRO 8015B - water

*- 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.

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Lancaster Laboratories

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1076498
Reported: 02/19/08 at 08:11 AM

Surrogate Quality Control

Batch number: 08042A51A

	Trifluorotoluene-F
5274681	106
5274682	123
5274683	107
Blank	106
LCS	105
LCSD	105
MS	106
Limits:	63-135

Analysis Name: PPL + Oxys in Water
Batch number: N080421AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5274681	97	95	96	92
5274682	94	94	96	93
5274683	96	94	97	93
5274685	98	95	95	92
5274686	98	97	94	92
Blank	97	96	95	92
LCS	96	95	99	99
LCSD	96	94	100	100
MS	95	92	98	100
Limits:	80-116	77-113	80-113	78-113

Analysis Name: EPA Method 524.2
Batch number: S080391AA

	4-Bromofluorobenzene	1,2-Dichlorobenzene-d4
5274684	94	93
Blank	90	91
LCS	98	97
Limits:	80-120	80-120

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

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Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 7039 Group# 1076498 Sample # 5274681-86

COC # 175896

Please print. Instructions on reverse side correspond with circled numbers. 2/11/08

(1)

Client: Environmental Alliance Acct. #:

Project Name/#: Jacksonville Citgo PWSID #:

Project Manager: Carl Finch P.O.#: 1957

Sampler: MGH 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) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	VOC's+oxy (8260)	TPH-GRO (8015)	TPH-DRO (8015)	VOC's+MTBE (8260)	VOC+oxy (5274.2)					Remarks
MW1020608 1355	2/6/08	13:55	X			X		7	X	X	X							*Samples received on 2/7. Chain of Custody was faxed to us. Original COC picked up by driver on 2/8. 2/11/08
MW3020608 1420	↓	14:20	X			X		7	X	X	X							
MW2020608 1445		14:45	X			X		7	X	X	X							
PW1020608 1510		15:10	X			X		3					X					
FB020608 1450		14:50	X			X		3				X						
TB020608 1455	↓	14:55	X			X		1				X						

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush

(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed:

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) EZ-EDD

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

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
	2/6/08	16:30		2/7/08	12:15
Relinquished by:	Date	Time	Received by:	Date	Time
	2/7/08				
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time