TriAD
ENVIRONMENTAL CONSULTANTS

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April 28, 2008

Ashley Holt, P.G., Manager
State Remediation Program
Division of Solid Waste Management
Tennessee Department of Environment and Conservation
5th Floor, L&C Tower
401 Church Street
Nashville, Tennessee 37243-1535

Re: Seep Monitoring Results – April 2008 Event
Egyptian Lacquer Manufacturing Company
Franklin, Tennessee
TriAD Project No. 07-ELM01-01

Dear Ms. Holt:

As required in the *Revised Plan for Collection and Analysis of Water Samples Related to Selected Seeps into Liberty Creek and the Harpeth River* (Plan), submitted to you on May 25, 2007, TriAD Environmental Consultants, Inc. (TriAD), on behalf of Egyptian Lacquer Manufacturing Company (ELMCO) and through its attorneys Stites and Harbison, PLLC, is submitting the analytical results of the thirteenth seep monitoring event. This report includes a table summarizing the analytical results and the laboratory reports of the analyses.

Due to then-unresolved access issues, TriAD personnel were prevented from collecting seep samples from Liberty Creek during March 2008. Observations of the Harpeth River during March found seeps HR-2 and HR-3 unavailable for sampling due to water levels. On April 2, 2008, personnel from the Tennessee Department of Environment and Conservation, Division of Solid Waste Management, exercised their access authority to collect samples from the two Liberty Creek monitoring points (LC-PC and LC-MS) called for in the Plan. Harpeth River locations HR-2 and HR-3 were below the river level on that date and were therefore not sampled. During a visit to the site the following week, seeps HR-2 and HR-3 were still below the river level. Therefore, no samples were collected from HR-2 or HR-3 during April.

All samples were transferred under chain-of-custody procedures to Environmental Science Corporation (ESC) in Mount Juliet, Tennessee, where they were analyzed for volatile organic compounds (VOCs) by U.S. EPA SW846

Method 8260B. The laboratory analytical results are summarized along with historical data in the attached Table 1. A copy of the complete laboratory report for the April is also attached. The results for each of the collected samples are discussed in the following paragraphs. No constituents were detected in the trip blanks during the sampling event.

During the April sampling event, the toluene concentration in sample LC-PC was 4.4 mg/L, and acetone was detected at a concentration of 6.1 mg/L. These concentrations are similar to recent results. Three other VOCs, ethylbenzene (0.0019 mg/L), methyl ethyl ketone (MEK)(0.016 mg/L), and xylenes (0.010 mg/L), were also detected in the sample from LC-PC during this event. MEK had previously been detected at this location in June 2007.

Toluene was detected in sample LC-MS at 93 mg/L, with acetone at a concentration of 120 mg/L. These concentrations represent an increase over those identified in recent months, with acetone being the highest yet detected at LC-MS (although previous high detection limits in July and October may have prevented detection). No other VOCs were reported in this sample. It is possible that the differences in concentrations from recent events resulted from a slight change in monitoring points. TDEC collected the water sample from a stream-bank seep near the southern end of the main seep area, a point that was above the creek water on the date sampled. TriAD has, since June 2007, collected the LC-MS sample from a point near the northern end of the main seep area, where free product was most often observed in the past. At the time of the April sampling event, no free product was observed at the creek.

In addition to the routine seep sampling, TDEC personnel collected one sample from Liberty Creek at a point upstream from LC-MS. Sample "Watergate" was collected from the downstream side of the watergate that prevents people from walking into the seep area from the upstream portions of the Driskill property. The Watergate sample was collected to allow further evaluation of the analytical results obtained from samples collected from this location during the November, December, January, and February sampling events. The sample collected during the April event contained acetone (3.0 mg/L), ethylbenzene (0.0016 mg/L), toluene (7.0 mg/L), and xylenes (0.0069 mg/L). This is a slight increase in toluene concentration over the previous three events, and the first time VOCs other than acetone and toluene have been detected, although detection limits were lower in April than in February. (A sample collected upstream of the Watergate [at Driskill Crossing] on November 9 showed no detectable concentrations of VOCs.)

With recent concerns over the detection of benzene in groundwater in the vicinity, it is important to note the April samples showed no detectable benzene in Liberty Creek. Detection limits for benzene in samples LC-PC and Watergate were 0.001 mg/L, below the MCL for benzene and below the levels at which benzene has been detected in groundwater. While benzene has been

sporadically detected in samples from Liberty Creek, and will continue to be analyzed for, there is currently no evidence of benzene in the creek at detectable concentrations.

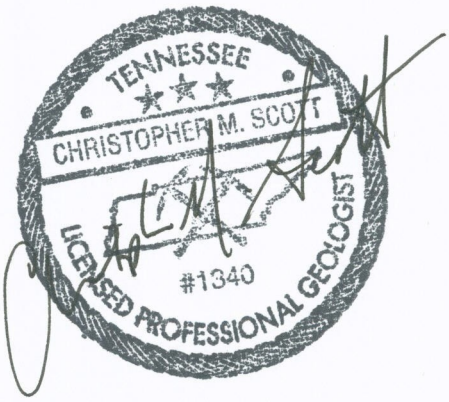
The April 2008 sampling event is the thirteenth seep sampling event, and Table 1 now presents twelve months of data. As noted in previous reports, fluctuations in contaminant concentrations have occurred and will likely continue, but the data from monitored locations continue to show decreased concentrations from the spring and summer of 2007.

Please contact us if you require additional information.

Sincerely,

TriAD Environmental Consultants, Inc.

Chris Scott, P.G.
Senior Hydrogeologist



Attachments (Table 1, lab report)

cc: Bill Penny, Stites and Harbison
Kerry Mattox, ELMCO

Table 1: Summary of Analytical Results Liberty Creek and Harpeth River Seeps Results in mg/L								
Sampling Location	**LC-PC**		**LC-MS [a]**		**HR-2**		**HR-3**	
Compound	**Acetone**	**Toluene**	**Acetone**	**Toluene**	**Acetone**	**Toluene**	**Acetone**	**Toluene**
05/18/07	**5.1**	**18**	<12	**54** [E]	**1,700** [E]	**360** [E]	**150**	**82** [E]
05/24/07	**18**	**12** [E]	<12	**140**	**1,800**	**400**	**20**	**24**
6/1/2007 [b]	**5.1**	**0.72** [E]	**51**	**760** [E]	**3,700**	**450** [E]	<0.050 [R]	<0.0050 [R]
06/08/07	**20**	**35** [J]	<50	**330**	**1,900**	**470**	**92**	**55**
07/09/07	**18** [E]	**35** [E]	< 250	**340**	**1,500**	**180** [V]	NS	NS
8/8/2007 [c]	NS	NS	< 25	**640**	**1,600**	**150**	NS	NS
09/19/07	**24**	**33**	<10	**32**	**780**	**130**	NS	NS
10/15/2007 [d]	NS	NS	<120	**260**	**890**	**250**	NS	NS
11/09/2007 [e]	<12	**24**	<12	**16**	**400**	**180**	NS	NS
12/10/07	**3.0**	**7.8**	<1.2	**4.1**	**620** [J6]	**160** [J6]	NS	NS
01/28/08	**1.4**	**5**	**19**	**74** [E]	**330** [E]	**84**	NS	NS
2/15/2008 [f]	**5.3**	**8.1**	**14**	**38**	**460**	**170**	NS	NS
4/2/2008 [g]	**6.1** [E]	**4.4**	**120** [E]	**93**	NS	NS	NS	NS

Bold text indicates a detected parameter

Notes:

[a] LC-MS samples on 5/18 and 5/24/07 were collected from downstream end of boom area; later samples from point of seep

[b] LC-PC sample collected 6/1/07 also contained 0.032 mg/L MEK

[c] LC-MS sample collected 8/8/07 also contained 0.57 mg/L benzene

[d] LC-MS sample collected 10/15/07 also contained 3.2 mg/L n-propylbenzne, 17 mg/L 1,2,4-trimethylbenzene, 3.1 mg/L 1,2,3-trimethylbenzene, and 2.9 mg/L 1,3,5-trimethylbenzene

[e] LC-MS sample collected 11/9/07 also contained 0.27 mg/L cis-1,2-dichloroethene

[f] HR-2 sample collected 2/21/08

[g] LC-PC sample also contained 0.0019 mg/L ethylbenzene, 0.016 mg/L MEK, and 0.010 mg/L xylenes

NS - Location not sampled, dry or below river level

Laboratory qualifiers:

[E] Estimated result. Sample concentration exceeds the calibration range.

[J] Matrix interference, spike value is high

[R] Results rejected by Laboratory -- not valid

[V] The sample concentration is too high to evaluate accurate spike recoveries.

[J6] Martix Interference, spike value too low

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Mr. Chris Scott
TriAD Environmental Consultants
207 Donelson Pike Suite 200

Nashville, TN 37214

Report Summary

Tuesday April 08, 2008

Report Number: L338964
Samples Received: 04/02/08
Client Project: 07-ELM01-01

Description: ELMOCO

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Terrie Fudge, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 09227, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140
NJ - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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3 Samples Reported: 04/06/08 12:14 Revised: 04/08/08 09:19

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REPORT OF ANALYSIS

Mr. Chris Scott
TriAD Environmental Consultants
207 Donelson Pike Suite 200
Nashville, TN 37214

April 08, 2008

ESC Sample # : L338964-01

Site ID :

Project # : 07-ELM01-01

Date Received : April 02, 2008
Description : ELMOCO

Sample ID : LC-PC

Collected By : Chris Lagan
Collection Date : 04/02/08 10:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	6.1	0.050	mg/l	8260B	04/03/08	1
Acrolein	BDL	0.050	mg/l	8260B	04/03/08	1
Acrylonitrile	BDL	0.010	mg/l	8260B	04/03/08	1
Benzene	BDL	0.0010	mg/l	8260B	04/03/08	1
Bromobenzene	BDL	0.0010	mg/l	8260B	04/03/08	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	04/03/08	1
Bromoform	BDL	0.0010	mg/l	8260B	04/03/08	1
Bromomethane	BDL	0.0050	mg/l	8260B	04/03/08	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	04/03/08	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	04/03/08	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	04/03/08	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	04/03/08	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	04/03/08	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	04/03/08	1
Chloroethane	BDL	0.0050	mg/l	8260B	04/03/08	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	04/03/08	1
Chloroform	BDL	0.0050	mg/l	8260B	04/03/08	1
Chloromethane	BDL	0.0025	mg/l	8260B	04/03/08	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	04/03/08	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	04/03/08	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	04/03/08	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	04/03/08	1
Dibromomethane	BDL	0.0010	mg/l	8260B	04/03/08	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	04/03/08	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	04/03/08	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	04/03/08	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	04/03/08	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	04/03/08	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	04/03/08	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	04/03/08	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	04/03/08	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	04/03/08	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	04/03/08	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	04/03/08	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	04/03/08	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	04/03/08	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	04/03/08	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	04/03/08	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	04/03/08	1
Ethylbenzene	0.0019	0.0010	mg/l	8260B	04/03/08	1
Hexachlorobutadiene	BDL	0.0010	mg/l	8260B	04/03/08	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	04/03/08	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	04/03/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Mr. Chris Scott
TriAD Environmental Consultants
207 Donelson Pike Suite 200
Nashville, TN 37214

April 08, 2008

ESC Sample # : L338964-01

Site ID :

Project # : 07-ELM01-01

Date Received : April 02, 2008
Description : ELMOCO

Sample ID : LC-PC

Collected By : Chris Lagan
Collection Date : 04/02/08 10:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	0.016	0.010	mg/l	8260B	04/03/08	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	04/03/08	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	04/03/08	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	04/03/08	1
Naphthalene	BDL	0.0050	mg/l	8260B	04/03/08	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	04/03/08	1
Styrene	BDL	0.0010	mg/l	8260B	04/03/08	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	04/03/08	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	04/03/08	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	04/03/08	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	04/03/08	1
Toluene	4.4	2.5	mg/l	8260B	04/04/08	500
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	04/03/08	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	04/03/08	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	04/03/08	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	04/03/08	1
Trichloroethene	BDL	0.0010	mg/l	8260B	04/03/08	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	04/03/08	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	04/03/08	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	04/03/08	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	04/03/08	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	04/03/08	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	04/03/08	1
Xylenes, Total	0.010	0.0030	mg/l	8260B	04/03/08	1
Surrogate Recovery						
Toluene-d8	52.8		% Rec.	8260B	04/03/08	1
Dibromofluoromethane	111.		% Rec.	8260B	04/03/08	1
4-Bromofluorobenzene	112.		% Rec.	8260B	04/03/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 04/06/08 12:14 Revised: 04/08/08 09:19

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REPORT OF ANALYSIS

Mr. Chris Scott
TriAD Environmental Consultants
207 Donelson Pike Suite 200
Nashville, TN 37214

April 08, 2008

ESC Sample # : L338964-02

Site ID :

Project # : 07-ELM01-01

Date Received : April 02, 2008
Description : ELMOCO

Sample ID : LC-MS

Collected By : Chris Lagan
Collection Date : 04/02/08 10:20

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	120	12.	mg/l	8260B	04/03/08	250
Acrolein	BDL	12.	mg/l	8260B	04/03/08	250
Acrylonitrile	BDL	2.5	mg/l	8260B	04/03/08	250
Benzene	BDL	0.25	mg/l	8260B	04/03/08	250
Bromobenzene	BDL	0.25	mg/l	8260B	04/03/08	250
Bromodichloromethane	BDL	0.25	mg/l	8260B	04/03/08	250
Bromoform	BDL	0.25	mg/l	8260B	04/03/08	250
Bromomethane	BDL	1.2	mg/l	8260B	04/03/08	250
n-Butylbenzene	BDL	0.25	mg/l	8260B	04/03/08	250
sec-Butylbenzene	BDL	0.25	mg/l	8260B	04/03/08	250
tert-Butylbenzene	BDL	0.25	mg/l	8260B	04/03/08	250
Carbon tetrachloride	BDL	0.25	mg/l	8260B	04/03/08	250
Chlorobenzene	BDL	0.25	mg/l	8260B	04/03/08	250
Chlorodibromomethane	BDL	0.25	mg/l	8260B	04/03/08	250
Chloroethane	BDL	1.2	mg/l	8260B	04/03/08	250
2-Chloroethyl vinyl ether	BDL	12.	mg/l	8260B	04/03/08	250
Chloroform	BDL	1.2	mg/l	8260B	04/03/08	250
Chloromethane	BDL	0.62	mg/l	8260B	04/03/08	250
2-Chlorotoluene	BDL	0.25	mg/l	8260B	04/03/08	250
4-Chlorotoluene	BDL	0.25	mg/l	8260B	04/03/08	250
1,2-Dibromo-3-Chloropropane	BDL	1.2	mg/l	8260B	04/03/08	250
1,2-Dibromoethane	BDL	0.25	mg/l	8260B	04/03/08	250
Dibromomethane	BDL	0.25	mg/l	8260B	04/03/08	250
1,2-Dichlorobenzene	BDL	0.25	mg/l	8260B	04/03/08	250
1,3-Dichlorobenzene	BDL	0.25	mg/l	8260B	04/03/08	250
1,4-Dichlorobenzene	BDL	0.25	mg/l	8260B	04/03/08	250
Dichlorodifluoromethane	BDL	1.2	mg/l	8260B	04/03/08	250
1,1-Dichloroethane	BDL	0.25	mg/l	8260B	04/03/08	250
1,2-Dichloroethane	BDL	0.25	mg/l	8260B	04/03/08	250
1,1-Dichloroethene	BDL	0.25	mg/l	8260B	04/03/08	250
cis-1,2-Dichloroethene	BDL	0.25	mg/l	8260B	04/03/08	250
trans-1,2-Dichloroethene	BDL	0.25	mg/l	8260B	04/03/08	250
1,2-Dichloropropane	BDL	0.25	mg/l	8260B	04/03/08	250
1,1-Dichloropropene	BDL	0.25	mg/l	8260B	04/03/08	250
1,3-Dichloropropane	BDL	0.25	mg/l	8260B	04/03/08	250
cis-1,3-Dichloropropene	BDL	0.25	mg/l	8260B	04/03/08	250
trans-1,3-Dichloropropene	BDL	0.25	mg/l	8260B	04/03/08	250
2,2-Dichloropropane	BDL	0.25	mg/l	8260B	04/03/08	250
Di-isopropyl ether	BDL	0.25	mg/l	8260B	04/03/08	250
Ethylbenzene	BDL	0.25	mg/l	8260B	04/03/08	250
Hexachlorobutadiene	BDL	0.25	mg/l	8260B	04/03/08	250
Isopropylbenzene	BDL	0.25	mg/l	8260B	04/03/08	250
p-Isopropyltoluene	BDL	0.25	mg/l	8260B	04/03/08	250

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L338964-02 (V8260) - Target compounds too high to run at a lower dilution.

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REPORT OF ANALYSIS

Mr. Chris Scott
TriAD Environmental Consultants
207 Donelson Pike Suite 200
Nashville, TN 37214

April 08, 2008

ESC Sample # : L338964-02

Site ID :

Project # : 07-ELM01-01

Date Received : April 02, 2008
Description : ELMOCO

Sample ID : LC-MS

Collected By : Chris Lagan
Collection Date : 04/02/08 10:20

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	2.5	mg/l	8260B	04/03/08	250
Methylene Chloride	BDL	1.2	mg/l	8260B	04/03/08	250
4-Methyl-2-pentanone (MIBK)	BDL	2.5	mg/l	8260B	04/03/08	250
Methyl tert-butyl ether	BDL	0.25	mg/l	8260B	04/03/08	250
Naphthalene	BDL	1.2	mg/l	8260B	04/03/08	250
n-Propylbenzene	BDL	0.25	mg/l	8260B	04/03/08	250
Styrene	BDL	0.25	mg/l	8260B	04/03/08	250
1,1,1,2-Tetrachloroethane	BDL	0.25	mg/l	8260B	04/03/08	250
1,1,2,2-Tetrachloroethane	BDL	0.25	mg/l	8260B	04/03/08	250
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.25	mg/l	8260B	04/03/08	250
Tetrachloroethene	BDL	0.25	mg/l	8260B	04/03/08	250
Toluene	93.	2.5	mg/l	8260B	04/04/08	500
1,2,3-Trichlorobenzene	BDL	0.25	mg/l	8260B	04/03/08	250
1,2,4-Trichlorobenzene	BDL	0.25	mg/l	8260B	04/03/08	250
1,1,1-Trichloroethane	BDL	0.25	mg/l	8260B	04/03/08	250
1,1,2-Trichloroethane	BDL	0.25	mg/l	8260B	04/03/08	250
Trichloroethene	BDL	0.25	mg/l	8260B	04/03/08	250
Trichlorofluoromethane	BDL	1.2	mg/l	8260B	04/03/08	250
1,2,3-Trichloropropane	BDL	0.25	mg/l	8260B	04/03/08	250
1,2,4-Trimethylbenzene	BDL	0.25	mg/l	8260B	04/03/08	250
1,2,3-Trimethylbenzene	BDL	0.25	mg/l	8260B	04/03/08	250
1,3,5-Trimethylbenzene	BDL	0.25	mg/l	8260B	04/03/08	250
Vinyl chloride	BDL	0.25	mg/l	8260B	04/03/08	250
Xylenes, Total	BDL	0.75	mg/l	8260B	04/03/08	250
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	04/03/08	250
Dibromofluoromethane	108.		% Rec.	8260B	04/03/08	250
4-Bromofluorobenzene	110.		% Rec.	8260B	04/03/08	250

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.
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Reported: 04/06/08 12:14 Revised: 04/08/08 09:19
L338964-02 (V8260) - Target compounds too high to run at a lower dilution.

ENVIRONMENTAL
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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Chris Scott
TriAD Environmental Consultants
207 Donelson Pike Suite 200
Nashville, TN 37214

April 08, 2008

ESC Sample # : L338964-03

Date Received : April 02, 2008
Description : ELMOCO

Site ID :

Sample ID : WATERGATE

Project # : 07-ELM01-01

Collected By : Chris Lagan
Collection Date : 04/02/08 10:25

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	3.0	0.050	mg/l	8260B	04/03/08	1
Acrolein	BDL	0.050	mg/l	8260B	04/03/08	1
Acrylonitrile	BDL	0.010	mg/l	8260B	04/03/08	1
Benzene	BDL	0.0010	mg/l	8260B	04/03/08	1
Bromobenzene	BDL	0.0010	mg/l	8260B	04/03/08	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	04/03/08	1
Bromoform	BDL	0.0010	mg/l	8260B	04/03/08	1
Bromomethane	BDL	0.0050	mg/l	8260B	04/03/08	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	04/03/08	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	04/03/08	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	04/03/08	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	04/03/08	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	04/03/08	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	04/03/08	1
Chloroethane	BDL	0.0050	mg/l	8260B	04/03/08	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	04/03/08	1
Chloroform	BDL	0.0050	mg/l	8260B	04/03/08	1
Chloromethane	BDL	0.0025	mg/l	8260B	04/03/08	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	04/03/08	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	04/03/08	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	04/03/08	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	04/03/08	1
Dibromomethane	BDL	0.0010	mg/l	8260B	04/03/08	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	04/03/08	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	04/03/08	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	04/03/08	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	04/03/08	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	04/03/08	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	04/03/08	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	04/03/08	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	04/03/08	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	04/03/08	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	04/03/08	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	04/03/08	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	04/03/08	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	04/03/08	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	04/03/08	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	04/03/08	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	04/03/08	1
Ethylbenzene	0.0016	0.0010	mg/l	8260B	04/03/08	1
Hexachlorobutadiene	BDL	0.0010	mg/l	8260B	04/03/08	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	04/03/08	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	04/03/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Mr. Chris Scott
TriAD Environmental Consultants
207 Donelson Pike Suite 200
Nashville, TN 37214

April 08, 2008

ESC Sample # : L338964-03

Site ID :

Project # : 07-ELM01-01

Date Received : April 02, 2008
Description : ELMOCO

Sample ID : WATERGATE

Collected By : Chris Lagan
Collection Date : 04/02/08 10:25

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	04/03/08	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	04/03/08	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	04/03/08	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	04/03/08	1
Naphthalene	BDL	0.0050	mg/l	8260B	04/03/08	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	04/03/08	1
Styrene	BDL	0.0010	mg/l	8260B	04/03/08	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	04/03/08	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	04/03/08	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	04/03/08	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	04/03/08	1
Toluene	7.0	2.5	mg/l	8260B	04/04/08	500
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	04/03/08	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	04/03/08	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	04/03/08	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	04/03/08	1
Trichloroethene	BDL	0.0010	mg/l	8260B	04/03/08	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	04/03/08	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	04/03/08	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	04/03/08	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	04/03/08	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	04/03/08	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	04/03/08	1
Xylenes, Total	0.0069	0.0030	mg/l	8260B	04/03/08	1
Surrogate Recovery						
Toluene-d8	63.4		% Rec.	8260B	04/03/08	1
Dibromofluoromethane	107.		% Rec.	8260B	04/03/08	1
4-Bromofluorobenzene	112.		% Rec.	8260B	04/03/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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.
Reported: 04/06/08 12:14 Revised: 04/08/08 09:19

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L338964-01	Acetone	E
	Toluene-d8	J2
L338964-02	Acetone	E
L338964-03	Acetone	E
	Toluene-d8	J2

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
E	GTL (EPA) - Greater than upper calibration limit: Actual value is known to be greater than the upper calibration range.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

TriAD Environmental Consultants

207 Donelson Pike Suite 200
Nashville,TN 37214

Alternate billing information:

Analysis/Container/Preservative

Chain of Custody
Page 1 of 1

Prepared by:
ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (800) 767-5859
FAX (615) 758-5859
#4

Report to: Mr. Chris Scott
Email: cscott@triadenv.com
Project Description: ELMOCO
City/State Collected:
Phone: (615) 889-6888
FAX: (615) 889-4004
Client Project #: 07-ELM01-01
Lab Project #: TRIADENV-07ELM0101
Collected by (print): Chris Lagan
Site/Facility ID#:
P.O.#:
Collected by (signature):
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day. 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed
Email? __No __Yes
FAX? __No __Yes

Acctnum: TRIADENV (lab use only)
Template/Prelogin T49329/ P240030
Cooler #: 3-31 KW
Shipped Via: Courier

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	V8260 40mlAmb-HCl	Remarks/Contaminant	Sample # (lab only)
LC-PC	G	GW	—	4/2/08	1015	2	X		L338964-01
LC-MS	G	GW	—	↓	1020	2	X		-02
WATERGATE	G	GW	—	↓	1025	2	X		-03
~~HR-2~~		~~GW~~				~~2~~	~~X~~		

*Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	4/2/08	10:48	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	4/2/08	1405	Wayne Shull
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)
Wayne Shull	4/2/08	1520	

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ Ex
Temp: 3.6°a Bottles Received: Carlos
Date: 4/2/08 Time: 1520

Condition: (lab use only) OK
COC Seal Intact: ___ Y ___ N X NA
pH Checked: NCF: