TriAD
ENVIRONMENTAL CONSULTANTS

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March 27, 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 – February 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 twelfth seep monitoring event. This report includes a table summarizing the analytical results and the laboratory reports of the analyses.

During February 2008, samples were collected from three of the four seep monitoring points (LC-PC, LC-MS, and HR-2) called for in the Plan. Samples from LC-PC and LC-MS were collected on February 15; however, the sampling location HR-2 was below the river level on that date and was therefore not sampled. A sample from HR-2 was collected on February 21, when the river level had fallen below the HR-2 seep. During the February sampling event, no sample was collected from location HR-3 because this location was below the water level of the river.

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 February 15 event and a copy of the HR-2 results from the February 21

event are 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 events on February 15 or 21.

During the February sampling event, the toluene concentration in sample LC-PC was 8.1 mg/L, and acetone was detected at a concentration of 5.3 mg/L. While higher than the concentrations detected in the January sampling event, these concentrations are still generally lower than those detected during the previous months, and very similar to the December results. No other VOCs were reported in this sample.

Toluene was detected in sample LC-MS at 38 mg/L, with acetone at a concentration of 14 mg/L, similar to the results reported during the January event. No other VOCs were reported in this sample.

In addition to the routine seep sampling, one sample was collected 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, and January sampling events. The sample collected in November reportedly contained toluene at 11 mg/L and Tetrachloroethene (PCE) at 0.053 mg/L. The sample collected in December reportedly contained toluene at 4.2 mg/L, with no other VOCs detected. The January sample contained acetone at 0.52 mg/L and toluene at 2.6 mg/L. The February Watergate sample contained toluene at 4.3 mg/L, greater than the January sampling event, but approximately equal to that detected in December. An increase in the detection limit for acetone may have prevented detection of this constituent. PCE has not been detected since the November sample. (A sample collected upstream of the Watergate [at Driskill Crossing] on November 9 showed no detectable concentrations of VOCs.)

The results of the January sampling event showed an increase in acetone and toluene detected at HR-2. Acetone was reported at a concentration of 460 mg/L, and toluene at a concentration of 170 mg/L. Although an increase over the January results, these concentrations are still significantly lower than those detected during the May through August events. The reported toluene concentration is less than one-third the water solubility of that chemical, indicating no likelihood of free-product toluene entering the Harpeth River from this point. No other VOCs were reported in this sample.

The February 2008 sampling event is the twelfth seep sampling event, and Table 1 now presents ten months of data. As noted in the February 26, 2008, report of January results, fluctuations in contaminant concentrations have occurred and will likely continue, but the data from all monitored locations 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

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

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

Monday February 18, 2008

Report Number: L332234
Samples Received: 02/15/08
Client Project: 07-ELM02-01

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

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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REPORT OF ANALYSIS

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

February 18, 2008

ESC Sample # : L332234-01

Date Received : February 15, 2008
Description : ELMCO

Site ID :

Sample ID : LC-PC

Project # : 07-ELM02-01

Collected By : Spalding/Parnell
Collection Date : 02/15/08 15:35

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	5.3	2.5	mg/l	8260B	02/17/08	50
Acrolein	BDL	2.5	mg/l	8260B	02/17/08	50
Acrylonitrile	BDL	0.50	mg/l	8260B	02/17/08	50
Benzene	BDL	0.050	mg/l	8260B	02/17/08	50
Bromobenzene	BDL	0.050	mg/l	8260B	02/17/08	50
Bromodichloromethane	BDL	0.050	mg/l	8260B	02/17/08	50
Bromoform	BDL	0.050	mg/l	8260B	02/17/08	50
Bromomethane	BDL	0.25	mg/l	8260B	02/17/08	50
n-Butylbenzene	BDL	0.050	mg/l	8260B	02/17/08	50
sec-Butylbenzene	BDL	0.050	mg/l	8260B	02/17/08	50
tert-Butylbenzene	BDL	0.050	mg/l	8260B	02/17/08	50
Carbon tetrachloride	BDL	0.050	mg/l	8260B	02/17/08	50
Chlorobenzene	BDL	0.050	mg/l	8260B	02/17/08	50
Chlorodibromomethane	BDL	0.050	mg/l	8260B	02/17/08	50
Chloroethane	BDL	0.25	mg/l	8260B	02/17/08	50
2-Chloroethyl vinyl ether	BDL	2.5	mg/l	8260B	02/17/08	50
Chloroform	BDL	0.25	mg/l	8260B	02/17/08	50
Chloromethane	BDL	0.12	mg/l	8260B	02/17/08	50
2-Chlorotoluene	BDL	0.050	mg/l	8260B	02/17/08	50
4-Chlorotoluene	BDL	0.050	mg/l	8260B	02/17/08	50
1,2-Dibromo-3-Chloropropane	BDL	0.25	mg/l	8260B	02/17/08	50
1,2-Dibromoethane	BDL	0.050	mg/l	8260B	02/17/08	50
Dibromomethane	BDL	0.050	mg/l	8260B	02/17/08	50
1,2-Dichlorobenzene	BDL	0.050	mg/l	8260B	02/17/08	50
1,3-Dichlorobenzene	BDL	0.050	mg/l	8260B	02/17/08	50
1,4-Dichlorobenzene	BDL	0.050	mg/l	8260B	02/17/08	50
Dichlorodifluoromethane	BDL	0.25	mg/l	8260B	02/17/08	50
1,1-Dichloroethane	BDL	0.050	mg/l	8260B	02/17/08	50
1,2-Dichloroethane	BDL	0.050	mg/l	8260B	02/17/08	50
1,1-Dichloroethene	BDL	0.050	mg/l	8260B	02/17/08	50
cis-1,2-Dichloroethene	BDL	0.050	mg/l	8260B	02/17/08	50
trans-1,2-Dichloroethene	BDL	0.050	mg/l	8260B	02/17/08	50
1,2-Dichloropropane	BDL	0.050	mg/l	8260B	02/17/08	50
1,1-Dichloropropene	BDL	0.050	mg/l	8260B	02/17/08	50
1,3-Dichloropropane	BDL	0.050	mg/l	8260B	02/17/08	50
cis-1,3-Dichloropropene	BDL	0.050	mg/l	8260B	02/17/08	50
trans-1,3-Dichloropropene	BDL	0.050	mg/l	8260B	02/17/08	50
2,2-Dichloropropane	BDL	0.050	mg/l	8260B	02/17/08	50
Di-isopropyl ether	BDL	0.050	mg/l	8260B	02/17/08	50
Ethylbenzene	BDL	0.050	mg/l	8260B	02/17/08	50
Hexachlorobutadiene	BDL	0.050	mg/l	8260B	02/17/08	50
Isopropylbenzene	BDL	0.050	mg/l	8260B	02/17/08	50
p-Isopropyltoluene	BDL	0.050	mg/l	8260B	02/17/08	50

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

February 18, 2008

Date Received : February 15, 2008
Description : ELMCO

Sample ID : LC-PC

Collected By : Spalding/Parnell
Collection Date : 02/15/08 15:35

ESC Sample # : L332234-01

Site ID :

Project # : 07-ELM02-01

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.50	mg/l	8260B	02/17/08	50
Methylene Chloride	BDL	0.25	mg/l	8260B	02/17/08	50
4-Methyl-2-pentanone (MIBK)	BDL	0.50	mg/l	8260B	02/17/08	50
Methyl tert-butyl ether	BDL	0.050	mg/l	8260B	02/17/08	50
Naphthalene	BDL	0.25	mg/l	8260B	02/17/08	50
n-Propylbenzene	BDL	0.050	mg/l	8260B	02/17/08	50
Styrene	BDL	0.050	mg/l	8260B	02/17/08	50
1,1,1,2-Tetrachloroethane	BDL	0.050	mg/l	8260B	02/17/08	50
1,1,2,2-Tetrachloroethane	BDL	0.050	mg/l	8260B	02/17/08	50
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.050	mg/l	8260B	02/17/08	50
Tetrachloroethene	BDL	0.050	mg/l	8260B	02/17/08	50
Toluene	8.1	0.25	mg/l	8260B	02/17/08	50
1,2,3-Trichlorobenzene	BDL	0.050	mg/l	8260B	02/17/08	50
1,2,4-Trichlorobenzene	BDL	0.050	mg/l	8260B	02/17/08	50
1,1,1-Trichloroethane	BDL	0.050	mg/l	8260B	02/17/08	50
1,1,2-Trichloroethane	BDL	0.050	mg/l	8260B	02/17/08	50
Trichloroethene	BDL	0.050	mg/l	8260B	02/17/08	50
Trichlorofluoromethane	BDL	0.25	mg/l	8260B	02/17/08	50
1,2,3-Trichloropropane	BDL	0.050	mg/l	8260B	02/17/08	50
1,2,4-Trimethylbenzene	BDL	0.050	mg/l	8260B	02/17/08	50
1,2,3-Trimethylbenzene	BDL	0.050	mg/l	8260B	02/17/08	50
1,3,5-Trimethylbenzene	BDL	0.050	mg/l	8260B	02/17/08	50
Vinyl chloride	BDL	0.050	mg/l	8260B	02/17/08	50
Xylenes, Total	BDL	0.15	mg/l	8260B	02/17/08	50
Surrogate Recovery						
Toluene-d8	107.		% Rec.	8260B	02/17/08	50
Dibromofluoromethane	98.8		% Rec.	8260B	02/17/08	50
4-Bromofluorobenzene	92.3		% Rec.	8260B	02/17/08	50

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: 02/18/08 17:02 Printed: 02/18/08 17:03

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REPORT OF ANALYSIS

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

February 18, 2008

ESC Sample # : L332234-02

Date Received : February 15, 2008
Description : ELMCO

Site ID :

Sample ID : LC-MS

Project # : 07-ELM02-01

Collected By : Spalding/Parnell
Collection Date : 02/15/08 15:26

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	14.	12.	mg/l	8260B	02/17/08	250
Acrolein	BDL	12.	mg/l	8260B	02/17/08	250
Acrylonitrile	BDL	2.5	mg/l	8260B	02/17/08	250
Benzene	BDL	0.25	mg/l	8260B	02/17/08	250
Bromobenzene	BDL	0.25	mg/l	8260B	02/17/08	250
Bromodichloromethane	BDL	0.25	mg/l	8260B	02/17/08	250
Bromoform	BDL	0.25	mg/l	8260B	02/17/08	250
Bromomethane	BDL	1.2	mg/l	8260B	02/17/08	250
n-Butylbenzene	BDL	0.25	mg/l	8260B	02/17/08	250
sec-Butylbenzene	BDL	0.25	mg/l	8260B	02/17/08	250
tert-Butylbenzene	BDL	0.25	mg/l	8260B	02/17/08	250
Carbon tetrachloride	BDL	0.25	mg/l	8260B	02/17/08	250
Chlorobenzene	BDL	0.25	mg/l	8260B	02/17/08	250
Chlorodibromomethane	BDL	0.25	mg/l	8260B	02/17/08	250
Chloroethane	BDL	1.2	mg/l	8260B	02/17/08	250
2-Chloroethyl vinyl ether	BDL	12.	mg/l	8260B	02/17/08	250
Chloroform	BDL	1.2	mg/l	8260B	02/17/08	250
Chloromethane	BDL	0.62	mg/l	8260B	02/17/08	250
2-Chlorotoluene	BDL	0.25	mg/l	8260B	02/17/08	250
4-Chlorotoluene	BDL	0.25	mg/l	8260B	02/17/08	250
1,2-Dibromo-3-Chloropropane	BDL	1.2	mg/l	8260B	02/17/08	250
1,2-Dibromoethane	BDL	0.25	mg/l	8260B	02/17/08	250
Dibromomethane	BDL	0.25	mg/l	8260B	02/17/08	250
1,2-Dichlorobenzene	BDL	0.25	mg/l	8260B	02/17/08	250
1,3-Dichlorobenzene	BDL	0.25	mg/l	8260B	02/17/08	250
1,4-Dichlorobenzene	BDL	0.25	mg/l	8260B	02/17/08	250
Dichlorodifluoromethane	BDL	1.2	mg/l	8260B	02/17/08	250
1,1-Dichloroethane	BDL	0.25	mg/l	8260B	02/17/08	250
1,2-Dichloroethane	BDL	0.25	mg/l	8260B	02/17/08	250
1,1-Dichloroethene	BDL	0.25	mg/l	8260B	02/17/08	250
cis-1,2-Dichloroethene	BDL	0.25	mg/l	8260B	02/17/08	250
trans-1,2-Dichloroethene	BDL	0.25	mg/l	8260B	02/17/08	250
1,2-Dichloropropane	BDL	0.25	mg/l	8260B	02/17/08	250
1,1-Dichloropropene	BDL	0.25	mg/l	8260B	02/17/08	250
1,3-Dichloropropane	BDL	0.25	mg/l	8260B	02/17/08	250
cis-1,3-Dichloropropene	BDL	0.25	mg/l	8260B	02/17/08	250
trans-1,3-Dichloropropene	BDL	0.25	mg/l	8260B	02/17/08	250
2,2-Dichloropropane	BDL	0.25	mg/l	8260B	02/17/08	250
Di-isopropyl ether	BDL	0.25	mg/l	8260B	02/17/08	250
Ethylbenzene	BDL	0.25	mg/l	8260B	02/17/08	250
Hexachlorobutadiene	BDL	0.25	mg/l	8260B	02/17/08	250
Isopropylbenzene	BDL	0.25	mg/l	8260B	02/17/08	250
p-Isopropyltoluene	BDL	0.25	mg/l	8260B	02/17/08	250

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

February 18, 2008

ESC Sample # : L332234-02

Site ID :

Project # : 07-ELM02-01

Date Received : February 15, 2008
Description : ELMCO

Sample ID : LC-MS

Collected By : Spalding/Parnell
Collection Date : 02/15/08 15:26

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	2.5	mg/l	8260B	02/17/08	250
Methylene Chloride	BDL	1.2	mg/l	8260B	02/17/08	250
4-Methyl-2-pentanone (MIBK)	BDL	2.5	mg/l	8260B	02/17/08	250
Methyl tert-butyl ether	BDL	0.25	mg/l	8260B	02/17/08	250
Naphthalene	BDL	1.2	mg/l	8260B	02/17/08	250
n-Propylbenzene	BDL	0.25	mg/l	8260B	02/17/08	250
Styrene	BDL	0.25	mg/l	8260B	02/17/08	250
1,1,1,2-Tetrachloroethane	BDL	0.25	mg/l	8260B	02/17/08	250
1,1,2,2-Tetrachloroethane	BDL	0.25	mg/l	8260B	02/17/08	250
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.25	mg/l	8260B	02/17/08	250
Tetrachloroethene	BDL	0.25	mg/l	8260B	02/17/08	250
Toluene	38.	1.2	mg/l	8260B	02/17/08	250
1,2,3-Trichlorobenzene	BDL	0.25	mg/l	8260B	02/17/08	250
1,2,4-Trichlorobenzene	BDL	0.25	mg/l	8260B	02/17/08	250
1,1,1-Trichloroethane	BDL	0.25	mg/l	8260B	02/17/08	250
1,1,2-Trichloroethane	BDL	0.25	mg/l	8260B	02/17/08	250
Trichloroethene	BDL	0.25	mg/l	8260B	02/17/08	250
Trichlorofluoromethane	BDL	1.2	mg/l	8260B	02/17/08	250
1,2,3-Trichloropropane	BDL	0.25	mg/l	8260B	02/17/08	250
1,2,4-Trimethylbenzene	BDL	0.25	mg/l	8260B	02/17/08	250
1,2,3-Trimethylbenzene	BDL	0.25	mg/l	8260B	02/17/08	250
1,3,5-Trimethylbenzene	BDL	0.25	mg/l	8260B	02/17/08	250
Vinyl chloride	BDL	0.25	mg/l	8260B	02/17/08	250
Xylenes, Total	BDL	0.75	mg/l	8260B	02/17/08	250
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	02/17/08	250
Dibromofluoromethane	93.4		% Rec.	8260B	02/17/08	250
4-Bromofluorobenzene	92.6		% Rec.	8260B	02/17/08	250

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 02/18/08 17:02 Printed: 02/18/08 17:04

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Est. 1970

REPORT OF ANALYSIS

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

February 18, 2008

Date Received : February 15, 2008
Description : ELMCO

Sample ID : TRIP BLANK

Collected By : Spalding/Parnell
Collection Date : 02/15/08 00:00

ESC Sample # : L332234-03

Site ID :

Project # : 07-ELM02-01

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	02/17/08	1
Acrolein	BDL	0.050	mg/l	8260B	02/17/08	1
Acrylonitrile	BDL	0.010	mg/l	8260B	02/17/08	1
Benzene	BDL	0.0010	mg/l	8260B	02/17/08	1
Bromobenzene	BDL	0.0010	mg/l	8260B	02/17/08	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	02/17/08	1
Bromoform	BDL	0.0010	mg/l	8260B	02/17/08	1
Bromomethane	BDL	0.0050	mg/l	8260B	02/17/08	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	02/17/08	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	02/17/08	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	02/17/08	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	02/17/08	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	02/17/08	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	02/17/08	1
Chloroethane	BDL	0.0050	mg/l	8260B	02/17/08	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	02/17/08	1
Chloroform	BDL	0.0050	mg/l	8260B	02/17/08	1
Chloromethane	BDL	0.0025	mg/l	8260B	02/17/08	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	02/17/08	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	02/17/08	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	02/17/08	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	02/17/08	1
Dibromomethane	BDL	0.0010	mg/l	8260B	02/17/08	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/17/08	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/17/08	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/17/08	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	02/17/08	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	02/17/08	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	02/17/08	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	02/17/08	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	02/17/08	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	02/17/08	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	02/17/08	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	02/17/08	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	02/17/08	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	02/17/08	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	02/17/08	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	02/17/08	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	02/17/08	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	02/17/08	1
Hexachlorobutadiene	BDL	0.0010	mg/l	8260B	02/17/08	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	02/17/08	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	02/17/08	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

February 18, 2008

ESC Sample # : L332234-03

Date Received : February 15, 2008
Description : ELMCO

Site ID :

Sample ID : TRIP BLANK

Project # : 07-ELM02-01

Collected By : Spalding/Parnell
Collection Date : 02/15/08 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	02/17/08	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	02/17/08	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	02/17/08	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	02/17/08	1
Naphthalene	BDL	0.0050	mg/l	8260B	02/17/08	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	02/17/08	1
Styrene	BDL	0.0010	mg/l	8260B	02/17/08	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	02/17/08	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	02/17/08	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	02/17/08	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	02/17/08	1
Toluene	BDL	0.0050	mg/l	8260B	02/17/08	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	02/17/08	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	02/17/08	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	02/17/08	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	02/17/08	1
Trichloroethene	BDL	0.0010	mg/l	8260B	02/17/08	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	02/17/08	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	02/17/08	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/17/08	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/17/08	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/17/08	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	02/17/08	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	02/17/08	1
Surrogate Recovery						
Toluene-d8	105.		% Rec.	8260B	02/17/08	1
Dibromofluoromethane	110.		% Rec.	8260B	02/17/08	1
4-Bromofluorobenzene	97.6		% Rec.	8260B	02/17/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

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

February 18, 2008

ESC Sample # : L332234-04

Date Received : February 15, 2008
Description : ELMCO

Site ID :

Sample ID : WATERGATE

Project # : 07-ELM02-01

Collected By : Spalding/Parnell
Collection Date : 02/15/08 15:12

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	1.0	mg/l	8260B	02/17/08	20
Acrolein	BDL	1.0	mg/l	8260B	02/17/08	20
Acrylonitrile	BDL	0.20	mg/l	8260B	02/17/08	20
Benzene	BDL	0.020	mg/l	8260B	02/17/08	20
Bromobenzene	BDL	0.020	mg/l	8260B	02/17/08	20
Bromodichloromethane	BDL	0.020	mg/l	8260B	02/17/08	20
Bromoform	BDL	0.020	mg/l	8260B	02/17/08	20
Bromomethane	BDL	0.10	mg/l	8260B	02/17/08	20
n-Butylbenzene	BDL	0.020	mg/l	8260B	02/17/08	20
sec-Butylbenzene	BDL	0.020	mg/l	8260B	02/17/08	20
tert-Butylbenzene	BDL	0.020	mg/l	8260B	02/17/08	20
Carbon tetrachloride	BDL	0.020	mg/l	8260B	02/17/08	20
Chlorobenzene	BDL	0.020	mg/l	8260B	02/17/08	20
Chlorodibromomethane	BDL	0.020	mg/l	8260B	02/17/08	20
Chloroethane	BDL	0.10	mg/l	8260B	02/17/08	20
2-Chloroethyl vinyl ether	BDL	1.0	mg/l	8260B	02/17/08	20
Chloroform	BDL	0.10	mg/l	8260B	02/17/08	20
Chloromethane	BDL	0.050	mg/l	8260B	02/17/08	20
2-Chlorotoluene	BDL	0.020	mg/l	8260B	02/17/08	20
4-Chlorotoluene	BDL	0.020	mg/l	8260B	02/17/08	20
1,2-Dibromo-3-Chloropropane	BDL	0.10	mg/l	8260B	02/17/08	20
1,2-Dibromoethane	BDL	0.020	mg/l	8260B	02/17/08	20
Dibromomethane	BDL	0.020	mg/l	8260B	02/17/08	20
1,2-Dichlorobenzene	BDL	0.020	mg/l	8260B	02/17/08	20
1,3-Dichlorobenzene	BDL	0.020	mg/l	8260B	02/17/08	20
1,4-Dichlorobenzene	BDL	0.020	mg/l	8260B	02/17/08	20
Dichlorodifluoromethane	BDL	0.10	mg/l	8260B	02/17/08	20
1,1-Dichloroethane	BDL	0.020	mg/l	8260B	02/17/08	20
1,2-Dichloroethane	BDL	0.020	mg/l	8260B	02/17/08	20
1,1-Dichloroethene	BDL	0.020	mg/l	8260B	02/17/08	20
cis-1,2-Dichloroethene	BDL	0.020	mg/l	8260B	02/17/08	20
trans-1,2-Dichloroethene	BDL	0.020	mg/l	8260B	02/17/08	20
1,2-Dichloropropane	BDL	0.020	mg/l	8260B	02/17/08	20
1,1-Dichloropropene	BDL	0.020	mg/l	8260B	02/17/08	20
1,3-Dichloropropane	BDL	0.020	mg/l	8260B	02/17/08	20
cis-1,3-Dichloropropene	BDL	0.020	mg/l	8260B	02/17/08	20
trans-1,3-Dichloropropene	BDL	0.020	mg/l	8260B	02/17/08	20
2,2-Dichloropropane	BDL	0.020	mg/l	8260B	02/17/08	20
Di-isopropyl ether	BDL	0.020	mg/l	8260B	02/17/08	20
Ethylbenzene	BDL	0.020	mg/l	8260B	02/17/08	20
Hexachlorobutadiene	BDL	0.020	mg/l	8260B	02/17/08	20
Isopropylbenzene	BDL	0.020	mg/l	8260B	02/17/08	20
p-Isopropyltoluene	BDL	0.020	mg/l	8260B	02/17/08	20

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

February 18, 2008

ESC Sample # : L332234-04

Date Received : February 15, 2008
Description : ELMCO

Site ID :

Sample ID : WATERGATE

Project # : 07-ELM02-01

Collected By : Spalding/Parnell
Collection Date : 02/15/08 15:12

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.20	mg/l	8260B	02/17/08	20
Methylene Chloride	BDL	0.10	mg/l	8260B	02/17/08	20
4-Methyl-2-pentanone (MIBK)	BDL	0.20	mg/l	8260B	02/17/08	20
Methyl tert-butyl ether	BDL	0.020	mg/l	8260B	02/17/08	20
Naphthalene	BDL	0.10	mg/l	8260B	02/17/08	20
n-Propylbenzene	BDL	0.020	mg/l	8260B	02/17/08	20
Styrene	BDL	0.020	mg/l	8260B	02/17/08	20
1,1,1,2-Tetrachloroethane	BDL	0.020	mg/l	8260B	02/17/08	20
1,1,2,2-Tetrachloroethane	BDL	0.020	mg/l	8260B	02/17/08	20
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.020	mg/l	8260B	02/17/08	20
Tetrachloroethene	BDL	0.020	mg/l	8260B	02/17/08	20
Toluene	4.3	0.10	mg/l	8260B	02/17/08	20
1,2,3-Trichlorobenzene	BDL	0.020	mg/l	8260B	02/17/08	20
1,2,4-Trichlorobenzene	BDL	0.020	mg/l	8260B	02/17/08	20
1,1,1-Trichloroethane	BDL	0.020	mg/l	8260B	02/17/08	20
1,1,2-Trichloroethane	BDL	0.020	mg/l	8260B	02/17/08	20
Trichloroethene	BDL	0.020	mg/l	8260B	02/17/08	20
Trichlorofluoromethane	BDL	0.10	mg/l	8260B	02/17/08	20
1,2,3-Trichloropropane	BDL	0.020	mg/l	8260B	02/17/08	20
1,2,4-Trimethylbenzene	BDL	0.020	mg/l	8260B	02/17/08	20
1,2,3-Trimethylbenzene	BDL	0.020	mg/l	8260B	02/17/08	20
1,3,5-Trimethylbenzene	BDL	0.020	mg/l	8260B	02/17/08	20
Vinyl chloride	BDL	0.020	mg/l	8260B	02/17/08	20
Xylenes, Total	BDL	0.060	mg/l	8260B	02/17/08	20
Surrogate Recovery						
Toluene-d8	105.		% Rec.	8260B	02/17/08	20
Dibromofluoromethane	104.		% Rec.	8260B	02/17/08	20
4-Bromofluorobenzene	96.4		% Rec.	8260B	02/17/08	20

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L332234-01	2-Chloroethyl vinyl ether	J3
L332234-02	2-Chloroethyl vinyl ether	J3
L332234-03	2-Chloroethyl vinyl ether	J3
L332234-04	2-Chloroethyl vinyl ether	J3
	Toluene	E

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.
J3	The associated batch QC was outside the established quality control range for precision.

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:

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

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-ELM02-01
Lab Project #: TRIADENV-07ELM0101
Collected by (print): Tish Spalding / Shane Powell
Site/Facility ID#:
P.O.#:
Collected by (signature): Tish Spalding
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: Standard
Email? ___No ___Yes
FAX? ___No ___Yes

Acctnum: TRIADENV (lab use only)
Template/Prelogin: T42839/ P234915
Cooler #: 2-13 KW
Shipped Via: Courier

Analysis/Container/Preservative

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	V8260 40mlAmb-HCl	V8260 40mlAmb-HCl-Blk						Remarks/Contaminant	Sample # (lab only)
LC-PC	G	GW	—	2/15/08	~~1526~~ 1535	2	X								C332234-01
LC-MS	↓	GW	—	↓	1526	2	X								-02
TRIP BLANK	↓	GW	—	↓	—	1		X							-03
~~HR-2~~	↓	~~GW~~		—		~~2~~	~~X~~								
~~HR-3~~	↓	~~GW~~				~~2~~	~~X~~								
WATERGATE	↓	GW	—	↓	1512	2	X								-04

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

pH _____ Temp _____

Remarks:

Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐UPS ☐ FedEx ☐Courier ☑Client	Condition: (lab use only)
[signature]	2/15/08	1700	[signature]		OK
Relinquished by: (Signature) [signature]	Date: 2/15/08	Time: 17:24	Received by: (Signature)	Temp: 3.8° Bottles Received: 7V	COC Seal Intact: ___Y ___N ✓NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 2-15-08 Time: 17:24	pH Checked: NCF:

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

Nashville, TN 37214

Report Summary

Friday February 29, 2008

Report Number: L333075
Samples Received: 02/22/08
Client Project: 07-ELM01-01

Description: ELMOCO

Note:
This is an excerpt from a larger report including other groundwater samples!

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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REPORT OF ANALYSIS

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

February 29, 2008

Date Received : February 22, 2008
Description : ELMCO - GW Monitoring

Sample ID : HR-2

Collected By : Parnell-Baker
Collection Date : 02/21/08 15:49

ESC Sample # : L333075-07

Site ID :

Project # : 07-ELM01-01

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	460	100	mg/l	8260B	02/27/08	2000
Acrolein	BDL	25.	mg/l	8260B	02/25/08	500
Acrylonitrile	BDL	5.0	mg/l	8260B	02/25/08	500
Benzene	BDL	0.50	mg/l	8260B	02/25/08	500
Bromobenzene	BDL	0.50	mg/l	8260B	02/25/08	500
Bromodichloromethane	BDL	0.50	mg/l	8260B	02/25/08	500
Bromoform	BDL	0.50	mg/l	8260B	02/25/08	500
Bromomethane	BDL	2.5	mg/l	8260B	02/25/08	500
n-Butylbenzene	BDL	0.50	mg/l	8260B	02/25/08	500
sec-Butylbenzene	BDL	0.50	mg/l	8260B	02/25/08	500
tert-Butylbenzene	BDL	0.50	mg/l	8260B	02/25/08	500
Carbon tetrachloride	BDL	0.50	mg/l	8260B	02/25/08	500
Chlorobenzene	BDL	0.50	mg/l	8260B	02/25/08	500
Chlorodibromomethane	BDL	0.50	mg/l	8260B	02/25/08	500
Chloroethane	BDL	2.5	mg/l	8260B	02/25/08	500
2-Chloroethyl vinyl ether	BDL	25.	mg/l	8260B	02/25/08	500
Chloroform	BDL	2.5	mg/l	8260B	02/25/08	500
Chloromethane	BDL	1.2	mg/l	8260B	02/25/08	500
2-Chlorotoluene	BDL	0.50	mg/l	8260B	02/25/08	500
4-Chlorotoluene	BDL	0.50	mg/l	8260B	02/25/08	500
1,2-Dibromo-3-Chloropropane	BDL	2.5	mg/l	8260B	02/25/08	500
1,2-Dibromoethane	BDL	0.50	mg/l	8260B	02/25/08	500
Dibromomethane	BDL	0.50	mg/l	8260B	02/25/08	500
1,2-Dichlorobenzene	BDL	0.50	mg/l	8260B	02/25/08	500
1,3-Dichlorobenzene	BDL	0.50	mg/l	8260B	02/25/08	500
1,4-Dichlorobenzene	BDL	0.50	mg/l	8260B	02/25/08	500
Dichlorodifluoromethane	BDL	2.5	mg/l	8260B	02/25/08	500
1,1-Dichloroethane	BDL	0.50	mg/l	8260B	02/25/08	500
1,2-Dichloroethane	BDL	0.50	mg/l	8260B	02/25/08	500
1,1-Dichloroethene	BDL	0.50	mg/l	8260B	02/25/08	500
cis-1,2-Dichloroethene	BDL	0.50	mg/l	8260B	02/25/08	500
trans-1,2-Dichloroethene	BDL	0.50	mg/l	8260B	02/25/08	500
1,2-Dichloropropane	BDL	0.50	mg/l	8260B	02/25/08	500
1,1-Dichloropropene	BDL	0.50	mg/l	8260B	02/25/08	500
1,3-Dichloropropane	BDL	0.50	mg/l	8260B	02/25/08	500
cis-1,3-Dichloropropene	BDL	0.50	mg/l	8260B	02/25/08	500
trans-1,3-Dichloropropene	BDL	0.50	mg/l	8260B	02/25/08	500
2,2-Dichloropropane	BDL	0.50	mg/l	8260B	02/25/08	500
Di-isopropyl ether	BDL	0.50	mg/l	8260B	02/25/08	500
Ethylbenzene	BDL	0.50	mg/l	8260B	02/25/08	500
Hexachlorobutadiene	BDL	0.50	mg/l	8260B	02/25/08	500
Isopropylbenzene	BDL	0.50	mg/l	8260B	02/25/08	500
p-Isopropyltoluene	BDL	0.50	mg/l	8260B	02/25/08	500

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L333075-07 (V8260) - Target compounds too high to run at a lower dilution.

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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

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

February 29, 2008

ESC Sample # : L333075-07

Date Received : February 22, 2008
Description : ELMCO - GW Monitoring

Site ID :

Sample ID : HR-2

Project # : 07-ELM01-01

Collected By : Parnell-Baker
Collection Date : 02/21/08 15:49

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	5.0	mg/l	8260B	02/25/08	500
Methylene Chloride	BDL	2.5	mg/l	8260B	02/25/08	500
4-Methyl-2-pentanone (MIBK)	BDL	5.0	mg/l	8260B	02/25/08	500
Methyl tert-butyl ether	BDL	0.50	mg/l	8260B	02/25/08	500
Naphthalene	BDL	2.5	mg/l	8260B	02/25/08	500
n-Propylbenzene	BDL	0.50	mg/l	8260B	02/25/08	500
Styrene	BDL	0.50	mg/l	8260B	02/25/08	500
1,1,1,2-Tetrachloroethane	BDL	0.50	mg/l	8260B	02/25/08	500
1,1,2,2-Tetrachloroethane	BDL	0.50	mg/l	8260B	02/25/08	500
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.50	mg/l	8260B	02/25/08	500
Tetrachloroethene	BDL	0.50	mg/l	8260B	02/25/08	500
Toluene	170	10.	mg/l	8260B	02/27/08	2000
1,2,3-Trichlorobenzene	BDL	0.50	mg/l	8260B	02/25/08	500
1,2,4-Trichlorobenzene	BDL	0.50	mg/l	8260B	02/25/08	500
1,1,1-Trichloroethane	BDL	0.50	mg/l	8260B	02/25/08	500
1,1,2-Trichloroethane	BDL	0.50	mg/l	8260B	02/25/08	500
Trichloroethene	BDL	0.50	mg/l	8260B	02/25/08	500
Trichlorofluoromethane	BDL	2.5	mg/l	8260B	02/25/08	500
1,2,3-Trichloropropane	BDL	0.50	mg/l	8260B	02/25/08	500
1,2,4-Trimethylbenzene	BDL	0.50	mg/l	8260B	02/25/08	500
1,2,3-Trimethylbenzene	BDL	0.50	mg/l	8260B	02/25/08	500
1,3,5-Trimethylbenzene	BDL	0.50	mg/l	8260B	02/25/08	500
Vinyl chloride	BDL	0.50	mg/l	8260B	02/25/08	500
Xylenes, Total	BDL	1.5	mg/l	8260B	02/25/08	500
Surrogate Recovery						
Toluene-d8	99.4		% Rec.	8260B	02/25/08	500
Dibromofluoromethane	102.		% Rec.	8260B	02/25/08	500
4-Bromofluorobenzene	96.1		% Rec.	8260B	02/25/08	500

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.

Reported: 02/29/08 14:34 Printed: 02/29/08 14:35
L333075-07 (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

February 29, 2008

Date Received : February 22, 2008
Description : ELMCO - GW Monitoring

ESC Sample # : L333075-08

Sample ID : TRIP

Site ID :

Collected By : Parnell-Baker
Collection Date : 02/21/08 00:00

Project # : 07-ELM01-01

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	02/25/08	1
Acrolein	BDL	0.050	mg/l	8260B	02/25/08	1
Acrylonitrile	BDL	0.010	mg/l	8260B	02/25/08	1
Benzene	BDL	0.0010	mg/l	8260B	02/25/08	1
Bromobenzene	BDL	0.0010	mg/l	8260B	02/25/08	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	02/25/08	1
Bromoform	BDL	0.0010	mg/l	8260B	02/25/08	1
Bromomethane	BDL	0.0050	mg/l	8260B	02/25/08	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	02/25/08	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	02/25/08	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	02/25/08	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	02/25/08	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	02/25/08	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	02/25/08	1
Chloroethane	BDL	0.0050	mg/l	8260B	02/25/08	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	02/25/08	1
Chloroform	BDL	0.0050	mg/l	8260B	02/25/08	1
Chloromethane	BDL	0.0025	mg/l	8260B	02/25/08	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	02/25/08	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	02/25/08	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	02/25/08	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	02/25/08	1
Dibromomethane	BDL	0.0010	mg/l	8260B	02/25/08	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/25/08	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/25/08	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	02/25/08	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	02/25/08	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	02/25/08	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	02/25/08	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	02/25/08	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	02/25/08	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	02/25/08	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	02/25/08	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	02/25/08	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	02/25/08	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	02/25/08	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	02/25/08	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	02/25/08	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	02/25/08	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	02/25/08	1
Hexachlorobutadiene	BDL	0.0010	mg/l	8260B	02/25/08	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	02/25/08	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	02/25/08	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

February 29, 2008

Date Received : February 22, 2008
Description : ELMCO - GW Monitoring

Sample ID : TRIP

Collected By : Parnell-Baker
Collection Date : 02/21/08 00:00

ESC Sample # : L333075-08

Site ID :

Project # : 07-ELM01-01

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	02/25/08	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	02/25/08	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	02/25/08	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	02/25/08	1
Naphthalene	BDL	0.0050	mg/l	8260B	02/25/08	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	02/25/08	1
Styrene	BDL	0.0010	mg/l	8260B	02/25/08	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	02/25/08	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	02/25/08	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	02/25/08	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	02/25/08	1
Toluene	BDL	0.0050	mg/l	8260B	02/25/08	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	02/25/08	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	02/25/08	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	02/25/08	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	02/25/08	1
Trichloroethene	BDL	0.0010	mg/l	8260B	02/25/08	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	02/25/08	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	02/25/08	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/25/08	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/25/08	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	02/25/08	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	02/25/08	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	02/25/08	1
Surrogate Recovery						
Toluene-d8	99.8		% Rec.	8260B	02/25/08	1
Dibromofluoromethane	101.		% Rec.	8260B	02/25/08	1
4-Bromofluorobenzene	101.		% Rec.	8260B	02/25/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 02/29/08 14:34 Printed: 02/29/08 14:35

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L333075-03	1,1,2,2-Tetrachloroethane	J3
L333075-04	1,1,2,2-Tetrachloroethane	J3
L333075-05	1,1,2,2-Tetrachloroethane	J3
L333075-06	Toluene-d8	J2
L333075-07	1,1,2,2-Tetrachloroethane	J3
L333075-08	Chloroethane	J4J3
	Chloromethane	J3
	Dichlorodifluoromethane	J3
	Trichlorofluoromethane	J3

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

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 ___ of ___

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

Report to: Mr. Chris Scott
Email: cscott@triadenv.com

Project Description: ELMECO GW Monitoring
City/State Collected

Phone: (615) 889-6888
FAX: (615) 889-4004
Client Project #: 07-ELM01-01
Lab Project #: TRIADENV-07ELM0101

Collected by (print): Shani Parnell / Mike Baker
Site/Facility ID#:
P.O.#:

Collected by (signature): [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: Standard
Email? ___No ___Yes
FAX? ___No ___Yes

Acctnum: TRIADENV (lab use only)
Template/Prelogin: T48901/ P235608
Cooler #: 2-20 KW
Shipped Via: Courier

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	V8260 40mlAmb-HCl						Remarks/Contaminant	Sample # (lab only)
MW-1	G	GW		2/21/08	0853	2	X							L333675-01
MW-2		GW		2/21/08	1051	2	X							-02
~~MW-3~~		GW				~~2~~	~~X~~							
MW-4		GW		2/21/08	1850	2	X							-03
AR-1		GW		2/21/08	1502	2	X							-04
RW-1		GW		2/21/08	1357	2	X							-05
MW-5		GW		2/22/08	1340	2	X							-06
HR-2		GW		2/21/08	1549	2	X							-07
Trip	—	—	—	—	—	1	X							-08

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

pH _____ Temp _____

Remarks:

Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ ___	Condition: (lab use only)
[signature]	2/22/08	1650	[signature]		
Relinquished by: (Signature) [signature]	Date: 2/22/08	Time: 17:23	Received by: (Signature) [signature]	Temp: 4.30 Bottles Received: 15	COC Seal Intact: ___Y ___N X NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 2/22/08 Time: 17:23	pH Checked: NCF: