TriAD
ENVIRONMENTAL CONSULTANTS

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June 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 – June 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 fifteenth seep monitoring event. This report includes a table summarizing the analytical results and the laboratory reports of the analyses.

On June 3, 2008, TriAD personnel collected samples from two of the four established monitoring points: the two Liberty Creek monitoring points (LC-PC and LC-MS). Locations HR-2 and HR-3, along the Harpeth River, were under water and were therefore not sampled. Location HR-2 was sampled on June 10, after the river level dropped, and again on June 18 in an attempt to verify results obtained from the June 10 sample. As has been done for the last several monitoring events, a water sample was also collected from Liberty Creek just downstream from the watergate designed to limit pedestrian access to the seep area from the upstream portions of the Driskill property. The Watergate sampling location is thus upstream of the of the LC-MS location.

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. [Please note that the table format has been changed to display analytical results from all VOCs detected at any time during the seep monitoring, thereby eliminating the footnotes that were previously used to identify VOCs other than acetone and toluene.] A copy of the complete laboratory reports for the June event is also attached. The results for each of the collected samples are discussed in the following paragraphs. No constituents were detected in the trip blank during the sampling event.

During the June sampling event, the toluene concentration in sample LC-PC was 13 mg/L, and acetone was detected at a concentration of 8.0 mg/L. Total xylenes was also detected, at a concentration of 0.020 mg/L. The reported concentrations are similar to those of recent monitoring events, with toluene slightly increased.

Toluene was detected in sample LC-MS at 120 mg/L, with acetone less than the detection limit of 12 mg/L. The toluene concentration is slightly higher than that measured in the April event, but acetone is lower than that observed since January 2008, and possibly longer (detection limits prevent direct comparison to events between June and December 2007. No other VOCs were reported in this sample. For the third month in a row, the LC-MS monitoring point was a stream-bank seep near the southern end of the main seep area (TriAD had, since June 2007, collected the LC-MS sample from a different point near the northern end of the main seep area, where free product was most often observed in the past). TDEC personnel made the change in April 2008 due to water levels in the creek that made the southern point less prone to creek dilution. As with each event since April 2008, no free product was observed at the creek in June.

Sampling results from the June 10 sample collected at HR-2 location (300 mg/L acetone, 160 mg/L toluene) are similar to those reported for the May event. However, benzene was reported in the June 10 sample at 1.2 mg/L. ESC confirmed the result, although noting that it was so close to the detection limit that it was questionable and that a lower detection limit was not possible due to the higher concentrations of acetone and toluene. Therefore, seep HR-2 was resampled on June 18. The results from the June 18 sample showed acetone at 950 mg/L, toluene at 300 mg/L, benzene at 0.018 mg/L, ethylbenzene at 0.14 mg/L, methyl ethyl ketone at 3.5 mg/L, methyl isobutyl ketone at 1.7 mg/L, 1,2,4-trimethylbenzene at 0.023 mg/L, and xylenes at 0.55 mg/L. Although the acetone and toluene results from the resample were two to three times those reported in the June 10 sample, benzene was reported at almost two orders of magnitude lower than the June 10 sample. Toluene was present at a concentration of about 3/5 of the water solubility value, still well below free-product concentrations. The other VOCs reported in the resample are consistent with VOCs related to the release of solvents from ELMCO, and probably appeared because the June 18 resample was reported with the lowest detection limits yet achieved by ESC for a sample from HR-2.

The Watergate sample collected during the June event contained toluene at 5.9 mg/L and acetone at 0.12 mg/L. This sample was reported with the lowest detection limits possible for the 8260B method, which had occurred one other time for this sample, in April 2008. As a result, ethylbenzene (0.0018 mg/L) and xylenes (0.0068 mg/L) were also reported, at concentrations similar to those reported in April.

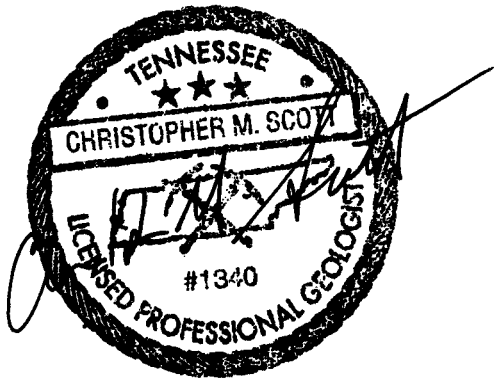
The June 2008 sampling event is the fifteenth seep sampling event. As noted in previous reports, fluctuations in contaminant concentrations have occurred and will likely continue. ELMCO plans to perform the July sampling event during the first week of the month and will report to TDEC immediately if results indicate any significant increases.

Please contact us if you require additional information.

Sincerely,

TriAD Environmental Consultants, Inc.

Chris Scott, P.G.
Senior Hydrogeologist



Attachments (Table 1, lab reports)

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 (Personnel Crossing)													
Date	**Acetone**	**Toluene**	**Benzene**	**cis-1,2-Dichloro-ethene**	**Ethyl-benzene**	**Methyl Ethyl Ketone (MEK)**	**Methyl Isobutyl Ketone (MIBK)**	**n-Propyl-benzene**	**Tetra-chloro-ethene (PCE)**	**1,2,4-Trimethyl-benzene**	**1,2,3-Trimethyl-benzene**	**1,3,5-Trimethyl-benzene**	**Xylenes**
05/18/07	**5.1**	**18**	<0.10	<0.10	<0.10	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30
05/24/07	**18**	**12** [E]	<0.050	<0.050	<0.050	<0.50	<0.50	<0.050	<0.050	<0.050	<0.050	<0.050	<0.15
06/01/07	**5.1**	**0.72** [E]	<0.0010	<0.0010	<0.0010	**0.032**	<0.010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0030
06/08/07	**20**	**35** [J]	<0.10	<0.10	<0.10	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30
07/09/07	**18** [E]	**35** [E]	<0.050	<0.050	<0.050	<0.50	<0.50	<0.050	<0.050	<0.050	<0.050	<0.050	<0.15
08/08/07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
09/19/07	**24**	**33**	<0.20	<0.20	<0.20	<2.0	<2.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60
10/15/07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
11/09/07	<12	**24**	<0.25	<0.25	<0.25	<2.5	<2.5	<0.25	<0.25	<0.25	<0.25	<0.25	<0.75
12/10/07	**3.0**	**7.8**	<0.050	<0.050	<0.050	<0.50	<0.50	<0.050	<0.050	<0.050	<0.050	<0.050	<0.15
01/28/08	**1.4**	**5**	<0.025	<0.025	<0.025	<0.25	<0.25	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075
02/15/08	**5.3**	**8.1**	<0.050	<0.050	<0.050	<0.50	<0.50	<0.050	<0.050	<0.050	<0.050	<0.050	<0.15
04/02/08	**6.1** [E]	**4.4**	<0.0010	<0.0010	**0.0019**	**0.016**	<0.010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	**0.010**
05/07/08	**8.8**	**6.9** [E]	<0.025	<0.025	<0.025	<0.25	<0.25	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075
06/03/08	**8.0**	**13**	<0.0050	<0.0050	<0.0050	<0.050	<0.050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	**0.020**

Bold text indicates a detected parameter

Notes:

NS - Location not sampled, dry or below river level

Location LC-PC is the same location as that monitored by TDWPC and known as location LC-A.

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] Matrix Interference, spike value too low

Table 1: Summary of Analytical Results Continued Liberty Creek and Harpeth River Seeps Results in mg/L													
Sampling Location LC-MS (Main Seep)													
Date	Acetone	Toluene	Benzene	cis-1,2-Dichloro-ethene	Ethyl-benzene	Methyl Ethyl Ketone (MEK)	Methyl Isobutyl Ketone (MIBK)	n-Propyl-benzene	Tetra-chloro-ethene (PCE)	1,2,4-Trimethyl-benzene	1,2,3-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Xylenes
5/18/2007[a]	<12	**54** [E]	<0.25	<0.25	<0.25	<2.5	<2.5	<0.25	<0.25	<0.25	<0.25	<0.25	<0.75
5/24/2007[a]	<12	**140**	<0.25	<0.25	<0.25	<2.5	<2.5	<0.25	<0.25	<0.25	<0.25	<0.25	<0.75
06/01/07	**51**	**760** [E]	<0.50	<0.50	<0.50	<5.0	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.5
06/08/07	<50	**330**	<1.0	<1.0	<1.0	<10	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
07/09/07	< 250	**340**	<5.0	<5.0	<5.0	<50	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<15
08/08/07	< 25	**640**	**0.57**	<0.50	<0.50	<5.0	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.5
09/19/07	<10	**32**	<0.20	<0.20	<0.20	<2.0	<2.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60
10/12/07	<120	**260**	<2.5	<2.5	<2.5	<25	<25	**3.2**	<2.5	**17**	**3.1**	**2.9**	<7.5
11/09/07	<12	**16**	<0.25	**0.27**	<0.25	<2.5	<2.5	<0.25	<0.25	<0.25	<0.25	<0.25	<0.75
12/10/07	<1.2	**4.1**	<0.025	<0.025	<0.025	<0.25	<0.25	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075
01/28/08	**19**	**74** [E]	<0.25	<0.25	<0.25	<2.5	<2.5	<0.25	<0.25	<0.25	<0.25	<0.25	<0.75
02/15/08	**14**	**38**	<0.25	<0.25	<0.25	<2.5	<2.5	<0.25	<0.25	<0.25	<0.25	<0.25	<0.75
04/02/08	**120** [E]	**93**	<0.25	<0.25	<0.25	<2.5	<2.5	<0.25	<0.25	<0.25	<0.25	<0.25	<0.75
05/07/08	<25	**100** [E]	<0.50	<0.50	<0.50	<5.0	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.5
06/03/08	<12	**120**	<0.25	<0.25	<0.25	<2.5	<2.5	<0.25	<0.25	<0.25	<0.25	<0.25	<0.75

Bold text indicates a detected parameter

Notes:

NS - Location not sampled, dry or below river level

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

The Liberty Creek - Main Seep is a cluster of seeps, and different seeps within the cluster have been more active than others at different times.

This fact, along with complications from stream flow levels and free-product response efforts, have resulted in variations in the actual LC-MS sampling point.

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] Matrix Interference, spike value too low

Table 1: Summary of Analytical Results Continued Liberty Creek and Harpeth River Seeps Results in mg/L													
Sampling Location HR-2 (Harpeth River 2)													
Date	Acetone	Toluene	Benzene	cis-1,2-Dichloro-ethene	Ethyl-benzene	Methyl Ethyl Ketone (MEK)	Methyl Isobutyl Ketone (MIBK)	n-Propyl-benzene	Tetra-chloro-ethene (PCE)	1,2,4-Trimethyl-benzene	1,2,3-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Xylenes
05/18/07	**1,700** [E]	**360** [E]	<0.20	<0.20	<0.20	<2.0	<2.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60
05/24/07	**1,800**	**400**	<5.0	<5.0	<5.0	<50	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<15
06/01/07	**3,700**	**450** [E]	<0.50	<0.50	<0.50	<5.0	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.5
06/08/07	**1,900**	**470**	<1.0	<1.0	<1.0	<10	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
07/09/07	**1,500**	**180** [V]	<5.0	<5.0	<5.0	<50	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<15
08/08/07	**1,600**	**150**	<5.0	<5.0	<5.0	<50	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<15
09/19/07	**780**	**130**	<1.0	<1.0	<1.0	<10	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
10/12/07	**890**	**250**	<2.5	<2.5	<2.5	<25	<25	<2.5	<2.5	<2.5	<2.5	<2.5	<7.5
11/09/07	**400**	**180**	<1.0	<1.0	<1.0	<10	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
12/10/07	**620** [J6]	**160** [J6]	<1.0	<1.0	<1.0	<10	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
01/28/08	**330** [E]	**84**	<0.50	<0.50	<0.50	<5.0	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.5
02/21/08	**460**	**170**	<0.50	<0.50	<0.50	<5.0	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.5
04/02/08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
05/07/08	**390**	**140**	<1.0	<1.0	<1.0	<10	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
06/10/08	**300**	**160**	**1.2**	<1.0	<1.0	<10	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
06/18/08	**950**	**300**	**0.018**	<0.010	**0.14**	**3.5**	**1.7**	<0.010	<0.010	**0.023**	<0.010	<0.010	**0.55**

Bold text indicates a detected parameter

Notes:

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] Matrix Interference, spike value too low

Table 1: Summary of Analytical Results Continued Liberty Creek and Harpeth River Seeps Results in mg/L													
Sampling Location HR-3 (Harpeth River 3)													
Date	**Acetone**	**Toluene**	**Benzene**	**cis-1,2-Dichloro-ethene**	**Ethyl-benzene**	**Methyl Ethyl Ketone (MEK)**	**Methyl Isobutyl Ketone (MIBK)**	**n-Propyl-benzene**	**Tetra-chloro-ethene (PCE)**	**1,2,4-Trimethyl-benzene**	**1,2,3-Trimethyl-benzene**	**1,3,5-Trimethyl-benzene**	**Xylenes**
05/18/07	**150**	**82** [E]	<0.20	<0.20	<0.20	<2.0	<2.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60
05/24/07	**20**	**24**	<0.25	<0.25	<0.25	<2.5	<2.5	<0.25	<0.25	<0.25	<0.25	<0.25	<0.75
06/01/07	<0.050 [R]	<0.0050 [R]	<0.0010 [R]	<0.0010 [R]	<0.0010 [R]	<0.010 [R]	<0.010 [R]	<0.0010 [R]	<0.0010 [R]	<0.0010 [R]	<0.0010 [R]	<0.0010 [R]	<0.0030 [R]
06/08/07	**92**	**55**	<0.25	<0.25	<0.25	<2.5	<2.5	<0.25	<0.25	<0.25	<0.25	<0.25	<0.75
07/09/07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
08/08/07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
09/19/07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
10/15/07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
11/09/07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
12/10/07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
01/28/08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
02/15/08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
04/02/08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
05/07/08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
06/03/08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Bold text indicates a detected parameter

Notes:

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[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] Matrix Interference, spike value too low

Table 1: Summary of Analytical Results Continued Liberty Creek and Harpeth River Seeps Results in mg/L													
Sampling Location Watergate (Upstream of Main Seep)													
Date	Acetone	Toluene	Benzene	cis-1,2-Dichloro-ethene	Ethyl-benzene	Methyl Ethyl Ketone (MEK)	Methyl Isobutyl Ketone (MIBK)	n-Propyl-benzene	Tetra-chloro-ethene (PCE)	1,2,4-Trimethyl-benzene	1,2,3-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Xylenes
11/09/07	<0.50	**11**	<0.050	<0.050	<0.050	<0.50	<0.50	<0.050	**0.053**	<0.050	<0.050	<0.050	<0.15
12/10/07	<1.2	**4.2**	<0.025	<0.025	<0.025	<0.25	<0.25	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075
01/28/08	**0.52**	**2.6**	<0.10	<0.10	<0.10	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30
02/15/08	<1.0	**4.3** [E]	<0.020	<0.020	<0.020	<0.20	<0.20	<0.020	<0.020	<0.020	<0.020	<0.020	<0.060
04/02/08	**3.0** [E]	**7.0**	<0.0010	<0.0010	**0.0016**	<0.010	<0.010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	**0.0069**
05/07/08	<0.5	**3.0** [E]	<0.010	<0.010	<0.010	<0.10	<0.10	<0.010	<0.010	<0.010	<0.010	<0.010	<0.030
06/03/08	**0.12**	**5.9**	<0.0010	<0.0010	**0.0018**	<0.010	<0.010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	**0.0068**

Bold text indicates a detected parameter

Notes:

NS - Location not sampled, dry or below river level

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

[J] Matrix interference, spike value is high

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

[J6] Matrix 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

Wednesday June 11, 2008

Report Number: L348598
Samples Received: 06/04/08
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, 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

June 11, 2008

ESC Sample # : L348598-01

Date Received : June 04, 2008
Description : ELMCO - Monthly Seep Monitoring

Site ID :

Sample ID : LC-PC

Project # : 07-ELM02-01

Collected By : Shane Parnell
Collection Date : 06/03/08 18:55

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	8.0	5.0	mg/l	8260B	06/10/08	100
Acrolein	BDL	0.25	mg/l	8260B	06/07/08	5
Acrylonitrile	BDL	0.050	mg/l	8260B	06/07/08	5
Benzene	BDL	0.0050	mg/l	8260B	06/07/08	5
Bromobenzene	BDL	0.0050	mg/l	8260B	06/07/08	5
Bromodichloromethane	BDL	0.0050	mg/l	8260B	06/07/08	5
Bromoform	BDL	0.0050	mg/l	8260B	06/07/08	5
Bromomethane	BDL	0.025	mg/l	8260B	06/07/08	5
n-Butylbenzene	BDL	0.0050	mg/l	8260B	06/07/08	5
sec-Butylbenzene	BDL	0.0050	mg/l	8260B	06/07/08	5
tert-Butylbenzene	BDL	0.0050	mg/l	8260B	06/07/08	5
Carbon tetrachloride	BDL	0.0050	mg/l	8260B	06/07/08	5
Chlorobenzene	BDL	0.0050	mg/l	8260B	06/07/08	5
Chlorodibromomethane	BDL	0.0050	mg/l	8260B	06/07/08	5
Chloroethane	BDL	0.025	mg/l	8260B	06/07/08	5
2-Chloroethyl vinyl ether	BDL	0.25	mg/l	8260B	06/07/08	5
Chloroform	BDL	0.025	mg/l	8260B	06/07/08	5
Chloromethane	BDL	0.012	mg/l	8260B	06/07/08	5
2-Chlorotoluene	BDL	0.0050	mg/l	8260B	06/07/08	5
4-Chlorotoluene	BDL	0.0050	mg/l	8260B	06/07/08	5
1,2-Dibromo-3-Chloropropane	BDL	0.025	mg/l	8260B	06/07/08	5
1,2-Dibromoethane	BDL	0.0050	mg/l	8260B	06/07/08	5
Dibromomethane	BDL	0.0050	mg/l	8260B	06/07/08	5
1,2-Dichlorobenzene	BDL	0.0050	mg/l	8260B	06/07/08	5
1,3-Dichlorobenzene	BDL	0.0050	mg/l	8260B	06/07/08	5
1,4-Dichlorobenzene	BDL	0.0050	mg/l	8260B	06/07/08	5
Dichlorodifluoromethane	BDL	0.025	mg/l	8260B	06/07/08	5
1,1-Dichloroethane	BDL	0.0050	mg/l	8260B	06/07/08	5
1,2-Dichloroethane	BDL	0.0050	mg/l	8260B	06/07/08	5
1,1-Dichloroethene	BDL	0.0050	mg/l	8260B	06/07/08	5
cis-1,2-Dichloroethene	BDL	0.0050	mg/l	8260B	06/07/08	5
trans-1,2-Dichloroethene	BDL	0.0050	mg/l	8260B	06/07/08	5
1,2-Dichloropropane	BDL	0.0050	mg/l	8260B	06/07/08	5
1,1-Dichloropropene	BDL	0.0050	mg/l	8260B	06/07/08	5
1,3-Dichloropropane	BDL	0.0050	mg/l	8260B	06/07/08	5
cis-1,3-Dichloropropene	BDL	0.0050	mg/l	8260B	06/07/08	5
trans-1,3-Dichloropropene	BDL	0.0050	mg/l	8260B	06/07/08	5
2,2-Dichloropropane	BDL	0.0050	mg/l	8260B	06/07/08	5
Di-isopropyl ether	BDL	0.0050	mg/l	8260B	06/07/08	5
Ethylbenzene	BDL	0.0050	mg/l	8260B	06/07/08	5
Hexachlorobutadiene	BDL	0.0050	mg/l	8260B	06/07/08	5
Isopropylbenzene	BDL	0.0050	mg/l	8260B	06/07/08	5
p-Isopropyltoluene	BDL	0.0050	mg/l	8260B	06/07/08	5

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

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Est. 1970

REPORT OF ANALYSIS

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

June 11, 2008

ESC Sample # : L348598-01

Date Received : June 04, 2008
Description : ELMCO - Monthly Seep Monitoring

Site ID :

Sample ID : LC-PC

Project # : 07-ELM02-01

Collected By : Shane Parnell
Collection Date : 06/03/08 18:55

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.050	mg/l	8260B	06/07/08	5
Methylene Chloride	BDL	0.025	mg/l	8260B	06/07/08	5
4-Methyl-2-pentanone (MIBK)	BDL	0.050	mg/l	8260B	06/07/08	5
Methyl tert-butyl ether	BDL	0.0050	mg/l	8260B	06/07/08	5
Naphthalene	BDL	0.025	mg/l	8260B	06/07/08	5
n-Propylbenzene	BDL	0.0050	mg/l	8260B	06/07/08	5
Styrene	BDL	0.0050	mg/l	8260B	06/07/08	5
1,1,1,2-Tetrachloroethane	BDL	0.0050	mg/l	8260B	06/07/08	5
1,1,2,2-Tetrachloroethane	BDL	0.0050	mg/l	8260B	06/07/08	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0050	mg/l	8260B	06/07/08	5
Tetrachloroethene	BDL	0.0050	mg/l	8260B	06/07/08	5
Toluene	13.	0.50	mg/l	8260B	06/10/08	100
1,2,3-Trichlorobenzene	BDL	0.0050	mg/l	8260B	06/07/08	5
1,2,4-Trichlorobenzene	BDL	0.0050	mg/l	8260B	06/07/08	5
1,1,1-Trichloroethane	BDL	0.0050	mg/l	8260B	06/07/08	5
1,1,2-Trichloroethane	BDL	0.0050	mg/l	8260B	06/07/08	5
Trichloroethene	BDL	0.0050	mg/l	8260B	06/07/08	5
Trichlorofluoromethane	BDL	0.025	mg/l	8260B	06/07/08	5
1,2,3-Trichloropropane	BDL	0.0050	mg/l	8260B	06/07/08	5
1,2,4-Trimethylbenzene	BDL	0.0050	mg/l	8260B	06/07/08	5
1,2,3-Trimethylbenzene	BDL	0.0050	mg/l	8260B	06/07/08	5
1,3,5-Trimethylbenzene	BDL	0.0050	mg/l	8260B	06/07/08	5
Vinyl chloride	BDL	0.0050	mg/l	8260B	06/07/08	5
Xylenes, Total	0.020	0.015	mg/l	8260B	06/07/08	5
Surrogate Recovery						
Toluene-d8	85.7		% Rec.	8260B	06/07/08	5
Dibromofluoromethane	83.7		% Rec.	8260B	06/07/08	5
4-Bromofluorobenzene	86.6		% Rec.	8260B	06/07/08	5

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

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

June 11, 2008

ESC Sample # : L348598-02

Date Received : June 04, 2008
Description : ELMCO - Monthly Seep Monitoring

Site ID :

Sample ID : LC-MS

Project # : 07-ELM02-01

Collected By : Shane Parnell
Collection Date : 06/03/08 18:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	12.	mg/l	8260B	06/07/08	250
Acrolein	BDL	12.	mg/l	8260B	06/07/08	250
Acrylonitrile	BDL	2.5	mg/l	8260B	06/07/08	250
Benzene	BDL	0.25	mg/l	8260B	06/07/08	250
Bromobenzene	BDL	0.25	mg/l	8260B	06/07/08	250
Bromodichloromethane	BDL	0.25	mg/l	8260B	06/07/08	250
Bromoform	BDL	0.25	mg/l	8260B	06/07/08	250
Bromomethane	BDL	1.2	mg/l	8260B	06/07/08	250
n-Butylbenzene	BDL	0.25	mg/l	8260B	06/07/08	250
sec-Butylbenzene	BDL	0.25	mg/l	8260B	06/07/08	250
tert-Butylbenzene	BDL	0.25	mg/l	8260B	06/07/08	250
Carbon tetrachloride	BDL	0.25	mg/l	8260B	06/07/08	250
Chlorobenzene	BDL	0.25	mg/l	8260B	06/07/08	250
Chlorodibromomethane	BDL	0.25	mg/l	8260B	06/07/08	250
Chloroethane	BDL	1.2	mg/l	8260B	06/07/08	250
2-Chloroethyl vinyl ether	BDL	12.	mg/l	8260B	06/07/08	250
Chloroform	BDL	1.2	mg/l	8260B	06/07/08	250
Chloromethane	BDL	0.62	mg/l	8260B	06/07/08	250
2-Chlorotoluene	BDL	0.25	mg/l	8260B	06/07/08	250
4-Chlorotoluene	BDL	0.25	mg/l	8260B	06/07/08	250
1,2-Dibromo-3-Chloropropane	BDL	1.2	mg/l	8260B	06/07/08	250
1,2-Dibromoethane	BDL	0.25	mg/l	8260B	06/07/08	250
Dibromomethane	BDL	0.25	mg/l	8260B	06/07/08	250
1,2-Dichlorobenzene	BDL	0.25	mg/l	8260B	06/07/08	250
1,3-Dichlorobenzene	BDL	0.25	mg/l	8260B	06/07/08	250
1,4-Dichlorobenzene	BDL	0.25	mg/l	8260B	06/07/08	250
Dichlorodifluoromethane	BDL	1.2	mg/l	8260B	06/07/08	250
1,1-Dichloroethane	BDL	0.25	mg/l	8260B	06/07/08	250
1,2-Dichloroethane	BDL	0.25	mg/l	8260B	06/07/08	250
1,1-Dichloroethene	BDL	0.25	mg/l	8260B	06/07/08	250
cis-1,2-Dichloroethene	BDL	0.25	mg/l	8260B	06/07/08	250
trans-1,2-Dichloroethene	BDL	0.25	mg/l	8260B	06/07/08	250
1,2-Dichloropropane	BDL	0.25	mg/l	8260B	06/07/08	250
1,1-Dichloropropene	BDL	0.25	mg/l	8260B	06/07/08	250
1,3-Dichloropropane	BDL	0.25	mg/l	8260B	06/07/08	250
cis-1,3-Dichloropropene	BDL	0.25	mg/l	8260B	06/07/08	250
trans-1,3-Dichloropropene	BDL	0.25	mg/l	8260B	06/07/08	250
2,2-Dichloropropane	BDL	0.25	mg/l	8260B	06/07/08	250
Di-isopropyl ether	BDL	0.25	mg/l	8260B	06/07/08	250
Ethylbenzene	BDL	0.25	mg/l	8260B	06/07/08	250
Hexachlorobutadiene	BDL	0.25	mg/l	8260B	06/07/08	250
Isopropylbenzene	BDL	0.25	mg/l	8260B	06/07/08	250
p-Isopropyltoluene	BDL	0.25	mg/l	8260B	06/07/08	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

June 11, 2008

ESC Sample # : L348598-02

Date Received : June 04, 2008
Description : ELMCO - Monthly Seep Monitoring

Site ID :

Sample ID : LC-MS

Project # : 07-ELM02-01

Collected By : Shane Parnell
Collection Date : 06/03/08 18:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	2.5	mg/l	8260B	06/07/08	250
Methylene Chloride	BDL	1.2	mg/l	8260B	06/07/08	250
4-Methyl-2-pentanone (MIBK)	BDL	2.5	mg/l	8260B	06/07/08	250
Methyl tert-butyl ether	BDL	0.25	mg/l	8260B	06/07/08	250
Naphthalene	BDL	1.2	mg/l	8260B	06/07/08	250
n-Propylbenzene	BDL	0.25	mg/l	8260B	06/07/08	250
Styrene	BDL	0.25	mg/l	8260B	06/07/08	250
1,1,1,2-Tetrachloroethane	BDL	0.25	mg/l	8260B	06/07/08	250
1,1,2,2-Tetrachloroethane	BDL	0.25	mg/l	8260B	06/07/08	250
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.25	mg/l	8260B	06/07/08	250
Tetrachloroethene	BDL	0.25	mg/l	8260B	06/07/08	250
Toluene	120	10.	mg/l	8260B	06/10/08	2000
1,2,3-Trichlorobenzene	BDL	0.25	mg/l	8260B	06/07/08	250
1,2,4-Trichlorobenzene	BDL	0.25	mg/l	8260B	06/07/08	250
1,1,1-Trichloroethane	BDL	0.25	mg/l	8260B	06/07/08	250
1,1,2-Trichloroethane	BDL	0.25	mg/l	8260B	06/07/08	250
Trichloroethene	BDL	0.25	mg/l	8260B	06/07/08	250
Trichlorofluoromethane	BDL	1.2	mg/l	8260B	06/07/08	250
1,2,3-Trichloropropane	BDL	0.25	mg/l	8260B	06/07/08	250
1,2,4-Trimethylbenzene	BDL	0.25	mg/l	8260B	06/07/08	250
1,2,3-Trimethylbenzene	BDL	0.25	mg/l	8260B	06/07/08	250
1,3,5-Trimethylbenzene	BDL	0.25	mg/l	8260B	06/07/08	250
Vinyl chloride	BDL	0.25	mg/l	8260B	06/07/08	250
Xylenes, Total	BDL	0.75	mg/l	8260B	06/07/08	250
Surrogate Recovery						
Toluene-d8	88.4		% Rec.	8260B	06/07/08	250
Dibromofluoromethane	81.7		% Rec.	8260B	06/07/08	250
4-Bromofluorobenzene	86.2		% Rec.	8260B	06/07/08	250

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

June 11, 2008

ESC Sample # : L348598-03

Date Received : June 04, 2008
Description : ELMCO - Monthly Seep Monitoring

Site ID :

Sample ID : TRIP BLANK

Project # : 07-ELM02-01

Collected By : Shane Parnell
Collection Date : 06/03/08 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/07/08	1
Acrolein	BDL	0.050	mg/l	8260B	06/07/08	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/07/08	1
Benzene	BDL	0.0010	mg/l	8260B	06/07/08	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/07/08	1
Bromoform	BDL	0.0010	mg/l	8260B	06/07/08	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/07/08	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/07/08	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/07/08	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/07/08	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	06/07/08	1
Chloroform	BDL	0.0050	mg/l	8260B	06/07/08	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/07/08	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/07/08	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/07/08	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/07/08	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/07/08	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/07/08	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/07/08	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/07/08	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/07/08	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	06/07/08	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/07/08	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/07/08	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/07/08	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/07/08	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/07/08	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/07/08	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/07/08	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/07/08	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/07/08	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
Hexachlorobutadiene	BDL	0.0010	mg/l	8260B	06/07/08	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/07/08	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

June 11, 2008

ESC Sample # : L348598-03

Date Received : June 04, 2008
Description : ELMCO - Monthly Seep Monitoring

Site ID :

Sample ID : TRIP BLANK

Project # : 07-ELM02-01

Collected By : Shane Parnell
Collection Date : 06/03/08 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	06/07/08	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/07/08	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/07/08	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/07/08	1
Naphthalene	BDL	0.0050	mg/l	8260B	06/07/08	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
Styrene	BDL	0.0010	mg/l	8260B	06/07/08	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/07/08	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/07/08	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	06/07/08	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	06/07/08	1
Toluene	BDL	0.0050	mg/l	8260B	06/07/08	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/07/08	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/07/08	1
Trichloroethene	BDL	0.0010	mg/l	8260B	06/07/08	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	06/07/08	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	06/07/08	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/07/08	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	06/07/08	1
Surrogate Recovery						
Toluene-d8	88.7		% Rec.	8260B	06/07/08	1
Dibromofluoromethane	84.7		% Rec.	8260B	06/07/08	1
4-Bromofluorobenzene	87.6		% Rec.	8260B	06/07/08	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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REPORT OF ANALYSIS

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

June 11, 2008

ESC Sample # : L348598-04

Date Received : June 04, 2008
Description : ELMCO - Monthly Seep Monitoring

Site ID :

Sample ID : WATERGATE

Project # : 07-ELM02-01

Collected By : Shane Parnell
Collection Date : 06/03/08 18:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	0.12	0.050	mg/l	8260B	06/07/08	1
Acrolein	BDL	0.050	mg/l	8260B	06/07/08	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/07/08	1
Benzene	BDL	0.0010	mg/l	8260B	06/07/08	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/07/08	1
Bromoform	BDL	0.0010	mg/l	8260B	06/07/08	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/07/08	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/07/08	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/07/08	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/07/08	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	06/07/08	1
Chloroform	BDL	0.0050	mg/l	8260B	06/07/08	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/07/08	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/07/08	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/07/08	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/07/08	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/07/08	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/07/08	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/07/08	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/07/08	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/07/08	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	06/07/08	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/07/08	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/07/08	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/07/08	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/07/08	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/07/08	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/07/08	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/07/08	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/07/08	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/07/08	1
Ethylbenzene	0.0018	0.0010	mg/l	8260B	06/07/08	1
Hexachlorobutadiene	BDL	0.0010	mg/l	8260B	06/07/08	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/07/08	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

June 11, 2008

ESC Sample # : L348598-04

Date Received : June 04, 2008
Description : ELMCO - Monthly Seep Monitoring

Site ID :

Sample ID : WATERGATE

Project # : 07-ELM02-01

Collected By : Shane Parnell
Collection Date : 06/03/08 18:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	06/07/08	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/07/08	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/07/08	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/07/08	1
Naphthalene	BDL	0.0050	mg/l	8260B	06/07/08	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
Styrene	BDL	0.0010	mg/l	8260B	06/07/08	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/07/08	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/07/08	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	06/07/08	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	06/07/08	1
Toluene	5.9	0.25	mg/l	8260B	06/10/08	50
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/07/08	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/07/08	1
Trichloroethene	BDL	0.0010	mg/l	8260B	06/07/08	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	06/07/08	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	06/07/08	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/07/08	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/07/08	1
Xylenes, Total	0.0068	0.0030	mg/l	8260B	06/07/08	1
Surrogate Recovery						
Toluene-d8	73.4		% Rec.	8260B	06/07/08	1
Dibromofluoromethane	82.7		% Rec.	8260B	06/07/08	1
4-Bromofluorobenzene	82.3		% Rec.	8260B	06/07/08	1

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
L348598-01	Dichlorodifluoromethane	J3
	Toluene-d8	J2
L348598-02	Dichlorodifluoromethane	J3
L348598-03	Dichlorodifluoromethane	J3
L348598-04	Dichlorodifluoromethane	J3
	Toluene-d8	J2

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.

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: ELM~~E~~CO
City/State Collected:

Phone: (615) 889-6888
FAX: (615) 889-4004
Client Project #: 07-ELM02-01
Lab Project #: TRIADENV-07ELM0101

Collected by (print): Shane Parrell
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: Standard
Email? ___No ✓Yes
FAX? ✓No ___Yes

Acctnum: TRIADENV (lab use only)
Template/Prelogin: T42839/ P246305
Cooler #: 5130 N
Shipped Via: Courier

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	NA	6/3/08	1855	2	X			L348598-01
LC-MS	G	GW	↓	↓	1830	2	X			02
TRIP BLANK	—	GW	—	—	—	1		X		03
~~HR-2~~		~~GW~~				~~2~~	~~X~~			
~~HR-3~~		~~GW~~				~~2~~	~~X~~			
WATERGATE		GW	NA	6/3/08	1845	2	X			04

*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)	Samples returned via: ☐ UPS ☐ FedEx ☑ Courier ☐	Condition: (lab use only)
	6/3/08				OK
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 35°F Bottles Received: 7	COC Seal Intact: ___ Y ___ N ✓ NA
Wayne Shull	6/4/08	1500	Received for lab by: (Signature)	Date: 6-4-08 Time: 15:00	pH Checked: NCF:

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Chris Scott
TriAD Environmental Consultants
207 Donelson Pike Suite 200

Nashville, TN 37214

Report Summary

Sunday June 15, 2008

Report Number: L349522
Samples Received: 06/10/08
Client Project: 07-ELM01-01

Description: ELMCO

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

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

June 15, 2008

Date Received : June 10, 2008
Description : ELMCO Monthly Seep

ESC Sample # : L349522-01

Sample ID : HR-2

Site ID :

Project # : 07-ELM01-01

Collected By : Shane Parnell
Collection Date : 06/09/08 15:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	300	50.	mg/l	8260B	06/14/08	1000
Acrolein	BDL	50.	mg/l	8260B	06/14/08	1000
Acrylonitrile	BDL	10.	mg/l	8260B	06/14/08	1000
Benzene	1.2	1.0	mg/l	8260B	06/14/08	1000
Bromobenzene	BDL	1.0	mg/l	8260B	06/14/08	1000
Bromodichloromethane	BDL	1.0	mg/l	8260B	06/14/08	1000
Bromoform	BDL	1.0	mg/l	8260B	06/14/08	1000
Bromomethane	BDL	5.0	mg/l	8260B	06/14/08	1000
n-Butylbenzene	BDL	1.0	mg/l	8260B	06/14/08	1000
sec-Butylbenzene	BDL	1.0	mg/l	8260B	06/14/08	1000
tert-Butylbenzene	BDL	1.0	mg/l	8260B	06/14/08	1000
Carbon tetrachloride	BDL	1.0	mg/l	8260B	06/14/08	1000
Chlorobenzene	BDL	1.0	mg/l	8260B	06/14/08	1000
Chlorodibromomethane	BDL	1.0	mg/l	8260B	06/14/08	1000
Chloroethane	BDL	5.0	mg/l	8260B	06/14/08	1000
2-Chloroethyl vinyl ether	BDL	50.	mg/l	8260B	06/14/08	1000
Chloroform	BDL	5.0	mg/l	8260B	06/14/08	1000
Chloromethane	BDL	2.5	mg/l	8260B	06/14/08	1000
2-Chlorotoluene	BDL	1.0	mg/l	8260B	06/14/08	1000
4-Chlorotoluene	BDL	1.0	mg/l	8260B	06/14/08	1000
1,2-Dibromo-3-Chloropropane	BDL	5.0	mg/l	8260B	06/14/08	1000
1,2-Dibromoethane	BDL	1.0	mg/l	8260B	06/14/08	1000
Dibromomethane	BDL	1.0	mg/l	8260B	06/14/08	1000
1,2-Dichlorobenzene	BDL	1.0	mg/l	8260B	06/14/08	1000
1,3-Dichlorobenzene	BDL	1.0	mg/l	8260B	06/14/08	1000
1,4-Dichlorobenzene	BDL	1.0	mg/l	8260B	06/14/08	1000
Dichlorodifluoromethane	BDL	5.0	mg/l	8260B	06/14/08	1000
1,1-Dichloroethane	BDL	1.0	mg/l	8260B	06/14/08	1000
1,2-Dichloroethane	BDL	1.0	mg/l	8260B	06/14/08	1000
1,1-Dichloroethene	BDL	1.0	mg/l	8260B	06/14/08	1000
cis-1,2-Dichloroethene	BDL	1.0	mg/l	8260B	06/14/08	1000
trans-1,2-Dichloroethene	BDL	1.0	mg/l	8260B	06/14/08	1000
1,2-Dichloropropane	BDL	1.0	mg/l	8260B	06/14/08	1000
1,1-Dichloropropene	BDL	1.0	mg/l	8260B	06/14/08	1000
1,3-Dichloropropane	BDL	1.0	mg/l	8260B	06/14/08	1000
cis-1,3-Dichloropropene	BDL	1.0	mg/l	8260B	06/14/08	1000
trans-1,3-Dichloropropene	BDL	1.0	mg/l	8260B	06/14/08	1000
2,2-Dichloropropane	BDL	1.0	mg/l	8260B	06/14/08	1000
Di-isopropyl ether	BDL	1.0	mg/l	8260B	06/14/08	1000
Ethylbenzene	BDL	1.0	mg/l	8260B	06/14/08	1000
Hexachlorobutadiene	BDL	1.0	mg/l	8260B	06/14/08	1000
Isopropylbenzene	BDL	1.0	mg/l	8260B	06/14/08	1000
p-Isopropyltoluene	BDL	1.0	mg/l	8260B	06/14/08	1000

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

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REPORT OF ANALYSIS

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

June 15, 2008

ESC Sample # : L349522-01

Date Received : June 10, 2008
Description : ELMCO Monthly Seep

Site ID :

Sample ID : HR-2

Project # : 07-ELM01-01

Collected By : Shane Parnell
Collection Date : 06/09/08 15:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	mg/l	8260B	06/14/08	1000
Methylene Chloride	BDL	5.0	mg/l	8260B	06/14/08	1000
4-Methyl-2-pentanone (MIBK)	BDL	10.	mg/l	8260B	06/14/08	1000
Methyl tert-butyl ether	BDL	1.0	mg/l	8260B	06/14/08	1000
Naphthalene	BDL	5.0	mg/l	8260B	06/14/08	1000
n-Propylbenzene	BDL	1.0	mg/l	8260B	06/14/08	1000
Styrene	BDL	1.0	mg/l	8260B	06/14/08	1000
1,1,1,2-Tetrachloroethane	BDL	1.0	mg/l	8260B	06/14/08	1000
1,1,2,2-Tetrachloroethane	BDL	1.0	mg/l	8260B	06/14/08	1000
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	mg/l	8260B	06/14/08	1000
Tetrachloroethene	BDL	1.0	mg/l	8260B	06/14/08	1000
Toluene	160	5.0	mg/l	8260B	06/14/08	1000
1,2,3-Trichlorobenzene	BDL	1.0	mg/l	8260B	06/14/08	1000
1,2,4-Trichlorobenzene	BDL	1.0	mg/l	8260B	06/14/08	1000
1,1,1-Trichloroethane	BDL	1.0	mg/l	8260B	06/14/08	1000
1,1,2-Trichloroethane	BDL	1.0	mg/l	8260B	06/14/08	1000
Trichloroethene	BDL	1.0	mg/l	8260B	06/14/08	1000
Trichlorofluoromethane	BDL	5.0	mg/l	8260B	06/14/08	1000
1,2,3-Trichloropropane	BDL	1.0	mg/l	8260B	06/14/08	1000
1,2,4-Trimethylbenzene	BDL	1.0	mg/l	8260B	06/14/08	1000
1,2,3-Trimethylbenzene	BDL	1.0	mg/l	8260B	06/14/08	1000
1,3,5-Trimethylbenzene	BDL	1.0	mg/l	8260B	06/14/08	1000
Vinyl chloride	BDL	1.0	mg/l	8260B	06/14/08	1000
Xylenes, Total	BDL	3.0	mg/l	8260B	06/14/08	1000
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	06/14/08	1000
Dibromofluoromethane	100.		% Rec.	8260B	06/14/08	1000
4-Bromofluorobenzene	107.		% Rec.	8260B	06/14/08	1000

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

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

June 15, 2008

ESC Sample # : L349522-02

Date Received : June 10, 2008
Description : ELMCO Monthly Seep

Site ID :

Sample ID : TRIPBLANK

Project # : 07-ELM01-01

Collected By : Shane Parnell
Collection Date : 06/09/08 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/13/08	1
Acrolein	BDL	0.050	mg/l	8260B	06/13/08	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/13/08	1
Benzene	BDL	0.0010	mg/l	8260B	06/13/08	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/13/08	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/13/08	1
Bromoform	BDL	0.0010	mg/l	8260B	06/13/08	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/13/08	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/13/08	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/13/08	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/13/08	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/13/08	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/13/08	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/13/08	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/13/08	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	06/13/08	1
Chloroform	BDL	0.0050	mg/l	8260B	06/13/08	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/13/08	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/13/08	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/13/08	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/13/08	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/13/08	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/13/08	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/13/08	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/13/08	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/13/08	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/13/08	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/13/08	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/13/08	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	06/13/08	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/13/08	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/13/08	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/13/08	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/13/08	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/13/08	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/13/08	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/13/08	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/13/08	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/13/08	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	06/13/08	1
Hexachlorobutadiene	BDL	0.0010	mg/l	8260B	06/13/08	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/13/08	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/13/08	1

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

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REPORT OF ANALYSIS

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

June 15, 2008

ESC Sample # : L349522-02

Date Received : June 10, 2008
Description : ELMCO Monthly Seep

Site ID :

Sample ID : TRIPBLANK

Project # : 07-ELM01-01

Collected By : Shane Parnell
Collection Date : 06/09/08 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	06/13/08	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/13/08	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/13/08	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/13/08	1
Naphthalene	BDL	0.0050	mg/l	8260B	06/13/08	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	06/13/08	1
Styrene	BDL	0.0010	mg/l	8260B	06/13/08	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/13/08	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/13/08	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	06/13/08	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	06/13/08	1
Toluene	BDL	0.0050	mg/l	8260B	06/13/08	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/13/08	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/13/08	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/13/08	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/13/08	1
Trichloroethene	BDL	0.0010	mg/l	8260B	06/13/08	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	06/13/08	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	06/13/08	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/13/08	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/13/08	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/13/08	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/13/08	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	06/13/08	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	06/13/08	1
Dibromofluoromethane	100.		% Rec.	8260B	06/13/08	1
4-Bromofluorobenzene	108.		% Rec.	8260B	06/13/08	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: 06/15/08 15:10 Printed: 06/15/08 15:10

TriAD Environmental Consultants, Inc.
207 Donelson Pike
Suite 200
Nashville, TN 37214

Alternate billing information:

Report to: cscott Chris Scott

Email to: cscott @triadenv.com

Chain of Custody
Page 1 of 1

Prepared by:

ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859

Project Description: ELMCO Monthly Seep Mon.

City/Sate Collected

Phone: 615-889-6888
FAX: 615-889-4004

Client Project #: 07-ELM01-01

ESC Key:

Collected by: Shane Parnell

Site/Facility ID#:

P.O.#:

Collected by (signature): [signature]

Packed on Ice N ___ Y X

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

Date Results Needed: Standard
Email? __No ✓Yes
FAX? ✓No __Yes

CoCode TRIADENV (lab use only)
Template/Prelogin
Shipped Via:

Analysis/Container/Preservative: 8260 Vols-40 L-HCL

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	8260 Vols-40 L-HCL	Remarks/Contaminant	Sample # (lab only)
HR-2	G	GW	—	6/9/08	1515	2	X		L349522-01
Trip Blank	—	—	—	—	—	1	X		02

*Matrix: SS - Soil/Solid 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]	6/10/08	1220	Wayne Shull		OK
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.5 °C / Bottles Received: 2+ TB	
Relinquished by: (Signature) Wayne Shull	Date: 6/10/08	Time: 1335	Received for lab by: (Signature) [signature]	Date: 6/10/08 / Time: 09:00 Am	pH Checked: / NCF:

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Chris Scott
TriAD Environmental Consultants
207 Donelson Pike Suite 200

Nashville, TN 37214

Report Summary

Monday June 23, 2008

Report Number: L350891
Samples Received: 06/18/08
Client Project: 07-ECM01-01

Description: ECMCO

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

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

June 23, 2008

ESC Sample # : L350891-01

Date Received : June 18, 2008
Description : Groundwater

Site ID :

Sample ID : HR-2

Project # : 07-ECM01-01

Collected By : Shane Parnell
Collection Date : 06/18/08 12:40

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	950	250	mg/l	8260B	06/19/08	5000
Acrolein	BDL	0.50	mg/l	8260B	06/18/08	10
Acrylonitrile	BDL	0.10	mg/l	8260B	06/18/08	10
Benzene	0.018	0.010	mg/l	8260B	06/18/08	10
Bromobenzene	BDL	0.010	mg/l	8260B	06/18/08	10
Bromodichloromethane	BDL	0.010	mg/l	8260B	06/18/08	10
Bromoform	BDL	0.010	mg/l	8260B	06/18/08	10
Bromomethane	BDL	0.050	mg/l	8260B	06/18/08	10
n-Butylbenzene	BDL	0.010	mg/l	8260B	06/18/08	10
sec-Butylbenzene	BDL	0.010	mg/l	8260B	06/18/08	10
tert-Butylbenzene	BDL	0.010	mg/l	8260B	06/18/08	10
Carbon tetrachloride	BDL	0.010	mg/l	8260B	06/18/08	10
Chlorobenzene	BDL	0.010	mg/l	8260B	06/18/08	10
Chlorodibromomethane	BDL	0.010	mg/l	8260B	06/18/08	10
Chloroethane	BDL	0.050	mg/l	8260B	06/18/08	10
2-Chloroethyl vinyl ether	BDL	0.50	mg/l	8260B	06/18/08	10
Chloroform	BDL	0.050	mg/l	8260B	06/18/08	10
Chloromethane	BDL	0.025	mg/l	8260B	06/18/08	10
2-Chlorotoluene	BDL	0.010	mg/l	8260B	06/18/08	10
4-Chlorotoluene	BDL	0.010	mg/l	8260B	06/18/08	10
1,2-Dibromo-3-Chloropropane	BDL	0.050	mg/l	8260B	06/18/08	10
1,2-Dibromoethane	BDL	0.010	mg/l	8260B	06/18/08	10
Dibromomethane	BDL	0.010	mg/l	8260B	06/18/08	10
1,2-Dichlorobenzene	BDL	0.010	mg/l	8260B	06/18/08	10
1,3-Dichlorobenzene	BDL	0.010	mg/l	8260B	06/18/08	10
1,4-Dichlorobenzene	BDL	0.010	mg/l	8260B	06/18/08	10
Dichlorodifluoromethane	BDL	0.050	mg/l	8260B	06/18/08	10
1,1-Dichloroethane	BDL	0.010	mg/l	8260B	06/18/08	10
1,2-Dichloroethane	BDL	0.010	mg/l	8260B	06/18/08	10
1,1-Dichloroethene	BDL	0.010	mg/l	8260B	06/18/08	10
cis-1,2-Dichloroethene	BDL	0.010	mg/l	8260B	06/18/08	10
trans-1,2-Dichloroethene	BDL	0.010	mg/l	8260B	06/18/08	10
1,2-Dichloropropane	BDL	0.010	mg/l	8260B	06/18/08	10
1,1-Dichloropropene	BDL	0.010	mg/l	8260B	06/18/08	10
1,3-Dichloropropane	BDL	0.010	mg/l	8260B	06/18/08	10
cis-1,3-Dichloropropene	BDL	0.010	mg/l	8260B	06/18/08	10
trans-1,3-Dichloropropene	BDL	0.010	mg/l	8260B	06/18/08	10
2,2-Dichloropropane	BDL	0.010	mg/l	8260B	06/18/08	10
Di-isopropyl ether	BDL	0.010	mg/l	8260B	06/18/08	10
Ethylbenzene	0.14	0.010	mg/l	8260B	06/18/08	10
Hexachlorobutadiene	BDL	0.010	mg/l	8260B	06/18/08	10
Isopropylbenzene	BDL	0.010	mg/l	8260B	06/18/08	10
p-Isopropyltoluene	BDL	0.010	mg/l	8260B	06/18/08	10

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

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REPORT OF ANALYSIS

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

June 23, 2008

ESC Sample # : L350891-01

Date Received : June 18, 2008
Description : Groundwater

Site ID :

Sample ID : HR-2

Project # : 07-ECM01-01

Collected By : Shane Parnell
Collection Date : 06/18/08 12:40

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	3.5	0.10	mg/l	8260B	06/18/08	10
Methylene Chloride	BDL	0.050	mg/l	8260B	06/18/08	10
4-Methyl-2-pentanone (MIBK)	1.7	0.10	mg/l	8260B	06/18/08	10
Methyl tert-butyl ether	BDL	0.010	mg/l	8260B	06/18/08	10
Naphthalene	BDL	0.050	mg/l	8260B	06/18/08	10
n-Propylbenzene	BDL	0.010	mg/l	8260B	06/18/08	10
Styrene	BDL	0.010	mg/l	8260B	06/18/08	10
1,1,1,2-Tetrachloroethane	BDL	0.010	mg/l	8260B	06/18/08	10
1,1,2,2-Tetrachloroethane	BDL	0.010	mg/l	8260B	06/18/08	10
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.010	mg/l	8260B	06/18/08	10
Tetrachloroethene	BDL	0.010	mg/l	8260B	06/18/08	10
Toluene	300	25.	mg/l	8260B	06/19/08	5000
1,2,3-Trichlorobenzene	BDL	0.010	mg/l	8260B	06/18/08	10
1,2,4-Trichlorobenzene	BDL	0.010	mg/l	8260B	06/18/08	10
1,1,1-Trichloroethane	BDL	0.010	mg/l	8260B	06/18/08	10
1,1,2-Trichloroethane	BDL	0.010	mg/l	8260B	06/18/08	10
Trichloroethene	BDL	0.010	mg/l	8260B	06/18/08	10
Trichlorofluoromethane	BDL	0.050	mg/l	8260B	06/18/08	10
1,2,3-Trichloropropane	BDL	0.010	mg/l	8260B	06/18/08	10
1,2,4-Trimethylbenzene	0.023	0.010	mg/l	8260B	06/18/08	10
1,2,3-Trimethylbenzene	BDL	0.010	mg/l	8260B	06/18/08	10
1,3,5-Trimethylbenzene	BDL	0.010	mg/l	8260B	06/18/08	10
Vinyl chloride	BDL	0.010	mg/l	8260B	06/18/08	10
Xylenes, Total	0.55	0.030	mg/l	8260B	06/18/08	10
Surrogate Recovery						
Toluene-d8	78.0		% Rec.	8260B	06/18/08	10
Dibromofluoromethane	97.3		% Rec.	8260B	06/18/08	10
4-Bromofluorobenzene	88.2		% Rec.	8260B	06/18/08	10

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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.
Reported: 06/23/08 08:34 Printed: 06/23/08 08:35

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REPORT OF ANALYSIS

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

June 23, 2008

ESC Sample # : L350891-03

Date Received : June 18, 2008
Description : Groundwater

Site ID :

Sample ID : TRIP BLANK

Project # : 07-ECM01-01

Collected By : Shane Parnell
Collection Date : 06/18/08 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/21/08	1
Acrolein	BDL	0.050	mg/l	8260B	06/21/08	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/21/08	1
Benzene	BDL	0.0010	mg/l	8260B	06/21/08	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/21/08	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/21/08	1
Bromoform	BDL	0.0010	mg/l	8260B	06/21/08	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/21/08	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/21/08	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/21/08	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/21/08	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/21/08	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/21/08	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/21/08	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/21/08	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	06/21/08	1
Chloroform	BDL	0.0050	mg/l	8260B	06/21/08	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/21/08	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/21/08	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/21/08	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/21/08	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/21/08	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/21/08	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/21/08	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/21/08	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/21/08	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/21/08	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/21/08	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/21/08	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	06/21/08	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/21/08	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/21/08	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/21/08	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/21/08	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/21/08	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/21/08	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/21/08	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/21/08	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/21/08	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	06/21/08	1
Hexachlorobutadiene	BDL	0.0010	mg/l	8260B	06/21/08	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/21/08	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/21/08	1

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

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REPORT OF ANALYSIS

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

June 23, 2008

ESC Sample # : L350891-03

Date Received : June 18, 2008
Description : Groundwater

Site ID :

Sample ID : TRIP BLANK

Project # : 07-ECM01-01

Collected By : Shane Parnell
Collection Date : 06/18/08 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	06/21/08	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/21/08	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/21/08	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/21/08	1
Naphthalene	BDL	0.0050	mg/l	8260B	06/21/08	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	06/21/08	1
Styrene	BDL	0.0010	mg/l	8260B	06/21/08	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/21/08	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/21/08	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	06/21/08	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	06/21/08	1
Toluene	BDL	0.0050	mg/l	8260B	06/21/08	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/21/08	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/21/08	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/21/08	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/21/08	1
Trichloroethene	BDL	0.0010	mg/l	8260B	06/21/08	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	06/21/08	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	06/21/08	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/21/08	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/21/08	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/21/08	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/21/08	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	06/21/08	1
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	06/21/08	1
Dibromofluoromethane	107.		% Rec.	8260B	06/21/08	1
4-Bromofluorobenzene	97.5		% Rec.	8260B	06/21/08	1

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: 06/23/08 08:34 Printed: 06/23/08 08:35

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L350891-01	2-Chloroethyl vinyl ether	J3
	Toluene-d8	J2

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.

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:
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Phone (800) 767-5859
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Report to: Mr. ~~Jeff Postell~~ Chris Scott

Email: cscott jpostell@triadenv.com

Project Description: ELMCO

City/State Collected:

Phone: (615) 889-6888
FAX: (615) 889-4004

Client Project #: 07-ELM01-01

Lab Project #

Collected by (print): Shane Parnell

Site/Facility ID#:

P.O.#:

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

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

Date Results Needed: 24 hrs

Email? ___No ✓Yes
FAX? ✓No ___Yes

Acctnum: TRIADENV (lab use only)
Template/Prelogin: T51626 P248538
Cooler #: 6/17 DS
Shipped Via: Client

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	V8260 40mlAmb-HCl	V8260 40mlAmb-HCl-Blk	Remarks/Contaminant	Sample # (lab only)
HR-2	G	GW	—	6/18/08	1340	2	X			L350891-01
Drum 191	G	GW	—	↓	1255	2	X			02
TRIP BLANK	—	GW	—	—	—	1		X		03

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

pH _____ Temp _____

Remarks: HR-2 is 24 hour turnaround.
Drum 191 is not ! Standard turnaround for Drum 191 -

Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ ESC	Condition: (lab use only)
	6/18/08	14:45			OK
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.5°C Bottles Received: 5	COC Seal Intact: ___ Y ___ N ___ NA
Relinquished by: (Signature)	Date: 6/18/08	Time: 15:25	Received for lab by: (Signature)	Date: 6/18/08 Time: 1525	pH Checked: NCF: