TriAD
ENVIRONMENTAL CONSULTANTS

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December 4, 2007

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 – November 9, 2007, Event
Egyptian Lacquer Manufacturing Company
Franklin, Tennessee
TriAD Project No. 07-ELM02-01

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

As called for in the Plan, samples were collected from three of the four seep monitoring points (LC-PC, LC-MS [Main Seep] and HR-2) on November 9, 2007. No samples were collected from location HR-3 because this location was dry. In addition, two samples were collected from Liberty Creek at points 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 Driskell property. Sample "D-Crossing" was collected from the concrete ford across Liberty Creek just east of the Driskell home. This location was the same as that sampled by Division of Solid Waste Management personnel on February 8, 2007. The Watergate and D-Crossing samples were collected because air monitoring conducted by TriAD had detected low organic vapor concentrations immediately above the water level at the watergate. The goal was to determine whether volatile organic compounds (VOCs) were present in creek water upstream of the main seep. The D-Crossing sample was to be held by the laboratory pending the results of the Watergate sample.

All samples were transferred under chain-of-custody procedures to Environmental Science Corporation (ESC) in Mount Juliet, Tennessee, where they were analyzed for VOCs by US EPA SW846 Method 8260B. The laboratory analytical results are summarized in Table 1, and a copy of the laboratory report is attached. The results of the Watergate and D-Crossing samples are discussed in following paragraphs. No constituents were reported in the trip blank during the sampling event.

The toluene concentration in sample LC-PC was 24 mg/L, which is similar to concentrations detected at this location since June 2007. Acetone was not reported in this sample at greater than the laboratory detection limit of 12 mg/L. No other VOCs were reported in this sample.

Toluene was detected in sample LC-MS at the lowest concentration to date (16 mg/L), with no detectable acetone at a detection limit of 12 mg/L. The sample collected at LC-MS also contained 0.27 mg/L cis-1,2-dichloroethene (cis-1,2-DCE). Other VOCs detected in the previous, October 2007, event (n-propylbenzne, 1,2,4-trimethylbenzene, 1,2,3-trimethylbenzene, 1,3,5-trimethylbenzene) were not detected in November, despite the laboratory detection limits being lower than the reported October concentrations of these compounds. Benzene, detected in the sample collected during the August event, has not been detected in the September, October, or November events (although the detection limit for the October sample was higher than the reported concentration in the August event).

Also of interest is the continued lower concentration of acetone detected in the sample from HR-2. This is the third month in a row of acetone concentrations significantly lower than those detected during the May through August events. The toluene concentration at this location also remains significantly below the May through June time period. No other VOCs were reported in this sample.

The Watergate sample contained two VOCs; toluene at 11 mg/L and tetrachloroethene (PCE) at 0.053 mg/L. Upon becoming aware of this result, TriAD directed ESC to analyze the D-Crossing sample. The sample from D-Crossing contained no detectable VOCs, a result identical to that obtained by the Division of Solid Waste Management in February. The reported concentrations of VOCs in the Watergate sample represent a change of condition since February 2007, when a sample collected by TriAD roughly 25 feet upstream of the main seep (between the main seep and the present location of the Watergate) contained 0.12 mg/L toluene and no other detectable VOCs. Although no samples were collected from this location in the intervening months, air monitoring near the water surface at this location had not indicated the presence of VOCs prior to October. The appearance of VOCs at the Watergate may be related to the nearby interceptor trench and the resulting mounding of water in that area, particularly near the northern portion of the trench.

The source of the reported concentrations of PCE in the Watergate sample and one of its daughter products (cis-1,2-DCE) in the sample from LC-MS is unknown. ELMCO has never stored chlorinated solvents in the aboveground tanks at its facility, and has never used PCE (they reportedly used only 1,1,1-trichloroethane and methylene chloride in drums, and those only in 1987). Whether the PCE and cis-1,2-DCE represent contaminants in blended solvents purchased by ELMCO, contamination from another source in the Liberty Creek area, or a laboratory error cannot be determined at this time. However, an additional sample will be collected and analyzed from the Watergate location during the December seep monitoring event to check for recurrence of these VOCs.

Table 1. Summary of Analytical Results
Liberty Creek and Harpeth River Seeps
Results in mg/L

Sampling Location	LC-PC [a]		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

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

NS - Location not sampled, dry

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.

Please contact us if you require additional information.

Sincerely,

TriAD Environmental Consultants, Inc.

Chris Scott, P.G.
Senior Hydrogeologist

Attachments (lab report)

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

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Chris Scott
TriAD Environmental Consultants
207 Donelson Pike Suite 200

Nashville, TN 37214

Report Summary

Monday November 19, 2007

Report Number: L319099
Samples Received: 11/09/07
Client Project: 07-ELM02-01

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

November 19, 2007

Date Received : November 09, 2007
Description : ELMCO

Sample ID : LC-MS

Collected By : T Spalding-S Powell
Collection Date : 11/09/07 14:15

ESC Sample # : L319099-01

Site ID :

Project # : 07-ELM02-01

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	12.	mg/l	8260B	11/16/07	250
Acrolein	BDL	12.	mg/l	8260B	11/16/07	250
Acrylonitrile	BDL	2.5	mg/l	8260B	11/16/07	250
Benzene	BDL	0.25	mg/l	8260B	11/16/07	250
Bromobenzene	BDL	0.25	mg/l	8260B	11/16/07	250
Bromodichloromethane	BDL	0.25	mg/l	8260B	11/16/07	250
Bromoform	BDL	0.25	mg/l	8260B	11/16/07	250
Bromomethane	BDL	1.2	mg/l	8260B	11/16/07	250
n-Butylbenzene	BDL	0.25	mg/l	8260B	11/16/07	250
sec-Butylbenzene	BDL	0.25	mg/l	8260B	11/16/07	250
tert-Butylbenzene	BDL	0.25	mg/l	8260B	11/16/07	250
Carbon tetrachloride	BDL	0.25	mg/l	8260B	11/16/07	250
Chlorobenzene	BDL	0.25	mg/l	8260B	11/16/07	250
Chlorodibromomethane	BDL	0.25	mg/l	8260B	11/16/07	250
Chloroethane	BDL	1.2	mg/l	8260B	11/16/07	250
2-Chloroethyl vinyl ether	BDL	12.	mg/l	8260B	11/16/07	250
Chloroform	BDL	1.2	mg/l	8260B	11/16/07	250
Chloromethane	BDL	0.62	mg/l	8260B	11/16/07	250
2-Chlorotoluene	BDL	0.25	mg/l	8260B	11/16/07	250
4-Chlorotoluene	BDL	0.25	mg/l	8260B	11/16/07	250
1,2-Dibromo-3-Chloropropane	BDL	1.2	mg/l	8260B	11/16/07	250
1,2-Dibromoethane	BDL	0.25	mg/l	8260B	11/16/07	250
Dibromomethane	BDL	0.25	mg/l	8260B	11/16/07	250
1,2-Dichlorobenzene	BDL	0.25	mg/l	8260B	11/16/07	250
1,3-Dichlorobenzene	BDL	0.25	mg/l	8260B	11/16/07	250
1,4-Dichlorobenzene	BDL	0.25	mg/l	8260B	11/16/07	250
Dichlorodifluoromethane	BDL	1.2	mg/l	8260B	11/16/07	250
1,1-Dichloroethane	BDL	0.25	mg/l	8260B	11/16/07	250
1,2-Dichloroethane	BDL	0.25	mg/l	8260B	11/16/07	250
1,1-Dichloroethene	BDL	0.25	mg/l	8260B	11/16/07	250
cis-1,2-Dichloroethene	0.27	0.25	mg/l	8260B	11/16/07	250
trans-1,2-Dichloroethene	BDL	0.25	mg/l	8260B	11/16/07	250
1,2-Dichloropropane	BDL	0.25	mg/l	8260B	11/16/07	250
1,1-Dichloropropene	BDL	0.25	mg/l	8260B	11/16/07	250
1,3-Dichloropropane	BDL	0.25	mg/l	8260B	11/16/07	250
cis-1,3-Dichloropropene	BDL	0.25	mg/l	8260B	11/16/07	250
trans-1,3-Dichloropropene	BDL	0.25	mg/l	8260B	11/16/07	250
2,2-Dichloropropane	BDL	0.25	mg/l	8260B	11/16/07	250
Di-isopropyl ether	BDL	0.25	mg/l	8260B	11/16/07	250
Ethylbenzene	BDL	0.25	mg/l	8260B	11/16/07	250
Hexachlorobutadiene	BDL	0.25	mg/l	8260B	11/16/07	250
Isopropylbenzene	BDL	0.25	mg/l	8260B	11/16/07	250
p-Isopropyltoluene	BDL	0.25	mg/l	8260B	11/16/07	250

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

November 19, 2007

Date Received : November 09, 2007
Description : ELMCO

Sample ID : LC-MS

Collected By : T Spalding-S Powell
Collection Date : 11/09/07 14:15

ESC Sample # : L319099-01

Site ID :

Project # : 07-ELM02-01

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	2.5	mg/l	8260B	11/16/07	250
Methylene Chloride	BDL	1.2	mg/l	8260B	11/16/07	250
4-Methyl-2-pentanone (MIBK)	BDL	2.5	mg/l	8260B	11/16/07	250
Methyl tert-butyl ether	BDL	0.25	mg/l	8260B	11/16/07	250
Naphthalene	BDL	1.2	mg/l	8260B	11/16/07	250
n-Propylbenzene	BDL	0.25	mg/l	8260B	11/16/07	250
Styrene	BDL	0.25	mg/l	8260B	11/16/07	250
1,1,1,2-Tetrachloroethane	BDL	0.25	mg/l	8260B	11/16/07	250
1,1,2,2-Tetrachloroethane	BDL	0.25	mg/l	8260B	11/16/07	250
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.25	mg/l	8260B	11/16/07	250
Tetrachloroethene	BDL	0.25	mg/l	8260B	11/16/07	250
Toluene	16.	1.2	mg/l	8260B	11/16/07	250
1,2,3-Trichlorobenzene	BDL	0.25	mg/l	8260B	11/16/07	250
1,2,4-Trichlorobenzene	BDL	0.25	mg/l	8260B	11/16/07	250
1,1,1-Trichloroethane	BDL	0.25	mg/l	8260B	11/16/07	250
1,1,2-Trichloroethane	BDL	0.25	mg/l	8260B	11/16/07	250
Trichloroethene	BDL	0.25	mg/l	8260B	11/16/07	250
Trichlorofluoromethane	BDL	1.2	mg/l	8260B	11/16/07	250
1,2,3-Trichloropropane	BDL	0.25	mg/l	8260B	11/16/07	250
1,2,4-Trimethylbenzene	BDL	0.25	mg/l	8260B	11/16/07	250
1,2,3-Trimethylbenzene	BDL	0.25	mg/l	8260B	11/16/07	250
1,3,5-Trimethylbenzene	BDL	0.25	mg/l	8260B	11/16/07	250
Vinyl chloride	BDL	0.25	mg/l	8260B	11/16/07	250
Xylenes, Total	BDL	0.75	mg/l	8260B	11/16/07	250
Surrogate Recovery						
Toluene-d8	108.		% Rec.	8260B	11/16/07	250
Dibromofluoromethane	96.3		% Rec.	8260B	11/16/07	250
4-Bromofluorobenzene	101.		% Rec.	8260B	11/16/07	250

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: 11/18/07 15:07 Revised: 11/19/07 12:24

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REPORT OF ANALYSIS

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

November 19, 2007

Date Received : November 09, 2007
Description : ELMCO

Sample ID : LC-PC

Collected By : T Spalding-S Powell
Collection Date : 11/09/07 15:00

ESC Sample # : L319099-02

Site ID :

Project # : 07-ELM02-01

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	12.	mg/l	8260B	11/16/07	250
Acrolein	BDL	12.	mg/l	8260B	11/16/07	250
Acrylonitrile	BDL	2.5	mg/l	8260B	11/16/07	250
Benzene	BDL	0.25	mg/l	8260B	11/16/07	250
Bromobenzene	BDL	0.25	mg/l	8260B	11/16/07	250
Bromodichloromethane	BDL	0.25	mg/l	8260B	11/16/07	250
Bromoform	BDL	0.25	mg/l	8260B	11/16/07	250
Bromomethane	BDL	1.2	mg/l	8260B	11/16/07	250
n-Butylbenzene	BDL	0.25	mg/l	8260B	11/16/07	250
sec-Butylbenzene	BDL	0.25	mg/l	8260B	11/16/07	250
tert-Butylbenzene	BDL	0.25	mg/l	8260B	11/16/07	250
Carbon tetrachloride	BDL	0.25	mg/l	8260B	11/16/07	250
Chlorobenzene	BDL	0.25	mg/l	8260B	11/16/07	250
Chlorodibromomethane	BDL	0.25	mg/l	8260B	11/16/07	250
Chloroethane	BDL	1.2	mg/l	8260B	11/16/07	250
2-Chloroethyl vinyl ether	BDL	12.	mg/l	8260B	11/16/07	250
Chloroform	BDL	1.2	mg/l	8260B	11/16/07	250
Chloromethane	BDL	0.62	mg/l	8260B	11/16/07	250
2-Chlorotoluene	BDL	0.25	mg/l	8260B	11/16/07	250
4-Chlorotoluene	BDL	0.25	mg/l	8260B	11/16/07	250
1,2-Dibromo-3-Chloropropane	BDL	1.2	mg/l	8260B	11/16/07	250
1,2-Dibromoethane	BDL	0.25	mg/l	8260B	11/16/07	250
Dibromomethane	BDL	0.25	mg/l	8260B	11/16/07	250
1,2-Dichlorobenzene	BDL	0.25	mg/l	8260B	11/16/07	250
1,3-Dichlorobenzene	BDL	0.25	mg/l	8260B	11/16/07	250
1,4-Dichlorobenzene	BDL	0.25	mg/l	8260B	11/16/07	250
Dichlorodifluoromethane	BDL	1.2	mg/l	8260B	11/16/07	250
1,1-Dichloroethane	BDL	0.25	mg/l	8260B	11/16/07	250
1,2-Dichloroethane	BDL	0.25	mg/l	8260B	11/16/07	250
1,1-Dichloroethene	BDL	0.25	mg/l	8260B	11/16/07	250
cis-1,2-Dichloroethene	BDL	0.25	mg/l	8260B	11/16/07	250
trans-1,2-Dichloroethene	BDL	0.25	mg/l	8260B	11/16/07	250
1,2-Dichloropropane	BDL	0.25	mg/l	8260B	11/16/07	250
1,1-Dichloropropene	BDL	0.25	mg/l	8260B	11/16/07	250
1,3-Dichloropropane	BDL	0.25	mg/l	8260B	11/16/07	250
cis-1,3-Dichloropropene	BDL	0.25	mg/l	8260B	11/16/07	250
trans-1,3-Dichloropropene	BDL	0.25	mg/l	8260B	11/16/07	250
2,2-Dichloropropane	BDL	0.25	mg/l	8260B	11/16/07	250
Di-isopropyl ether	BDL	0.25	mg/l	8260B	11/16/07	250
Ethylbenzene	BDL	0.25	mg/l	8260B	11/16/07	250
Hexachlorobutadiene	BDL	0.25	mg/l	8260B	11/16/07	250
Isopropylbenzene	BDL	0.25	mg/l	8260B	11/16/07	250
p-Isopropyltoluene	BDL	0.25	mg/l	8260B	11/16/07	250

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

November 19, 2007

Date Received : November 09, 2007
Description : ELMCO

ESC Sample # : L319099-02

Site ID :

Sample ID : LC-PC

Project # : 07-ELM02-01

Collected By : T Spalding-S Powell
Collection Date : 11/09/07 15:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	2.5	mg/l	8260B	11/16/07	250
Methylene Chloride	BDL	1.2	mg/l	8260B	11/16/07	250
4-Methyl-2-pentanone (MIBK)	BDL	2.5	mg/l	8260B	11/16/07	250
Methyl tert-butyl ether	BDL	0.25	mg/l	8260B	11/16/07	250
Naphthalene	BDL	1.2	mg/l	8260B	11/16/07	250
n-Propylbenzene	BDL	0.25	mg/l	8260B	11/16/07	250
Styrene	BDL	0.25	mg/l	8260B	11/16/07	250
1,1,1,2-Tetrachloroethane	BDL	0.25	mg/l	8260B	11/16/07	250
1,1,2,2-Tetrachloroethane	BDL	0.25	mg/l	8260B	11/16/07	250
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.25	mg/l	8260B	11/16/07	250
Tetrachloroethene	BDL	0.25	mg/l	8260B	11/16/07	250
Toluene	24.	1.2	mg/l	8260B	11/16/07	250
1,2,3-Trichlorobenzene	BDL	0.25	mg/l	8260B	11/16/07	250
1,2,4-Trichlorobenzene	BDL	0.25	mg/l	8260B	11/16/07	250
1,1,1-Trichloroethane	BDL	0.25	mg/l	8260B	11/16/07	250
1,1,2-Trichloroethane	BDL	0.25	mg/l	8260B	11/16/07	250
Trichloroethene	BDL	0.25	mg/l	8260B	11/16/07	250
Trichlorofluoromethane	BDL	1.2	mg/l	8260B	11/16/07	250
1,2,3-Trichloropropane	BDL	0.25	mg/l	8260B	11/16/07	250
1,2,4-Trimethylbenzene	BDL	0.25	mg/l	8260B	11/16/07	250
1,2,3-Trimethylbenzene	BDL	0.25	mg/l	8260B	11/16/07	250
1,3,5-Trimethylbenzene	BDL	0.25	mg/l	8260B	11/16/07	250
Vinyl chloride	BDL	0.25	mg/l	8260B	11/16/07	250
Xylenes, Total	BDL	0.75	mg/l	8260B	11/16/07	250
Surrogate Recovery						
Toluene-d8	108.		% Rec.	8260B	11/16/07	250
Dibromofluoromethane	97.5		% Rec.	8260B	11/16/07	250
4-Bromofluorobenzene	102.		% Rec.	8260B	11/16/07	250

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 11/18/07 15:07 Revised: 11/19/07 12:24

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Est. 1970

REPORT OF ANALYSIS

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

November 19, 2007

Date Received : November 09, 2007
Description : ELMCO

Sample ID : HR-2

Collected By : T Spalding-S Powell
Collection Date : 11/09/07 15:10

ESC Sample # : L319099-03

Site ID :

Project # : 07-ELM02-01

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	400	50.	mg/l	8260B	11/15/07	1000
Acrolein	BDL	50.	mg/l	8260B	11/15/07	1000
Acrylonitrile	BDL	10.	mg/l	8260B	11/15/07	1000
Benzene	BDL	1.0	mg/l	8260B	11/15/07	1000
Bromobenzene	BDL	1.0	mg/l	8260B	11/15/07	1000
Bromodichloromethane	BDL	1.0	mg/l	8260B	11/15/07	1000
Bromoform	BDL	1.0	mg/l	8260B	11/15/07	1000
Bromomethane	BDL	5.0	mg/l	8260B	11/15/07	1000
n-Butylbenzene	BDL	1.0	mg/l	8260B	11/15/07	1000
sec-Butylbenzene	BDL	1.0	mg/l	8260B	11/15/07	1000
tert-Butylbenzene	BDL	1.0	mg/l	8260B	11/15/07	1000
Carbon tetrachloride	BDL	1.0	mg/l	8260B	11/15/07	1000
Chlorobenzene	BDL	1.0	mg/l	8260B	11/15/07	1000
Chlorodibromomethane	BDL	1.0	mg/l	8260B	11/15/07	1000
Chloroethane	BDL	5.0	mg/l	8260B	11/15/07	1000
2-Chloroethyl vinyl ether	BDL	50.	mg/l	8260B	11/15/07	1000
Chloroform	BDL	5.0	mg/l	8260B	11/15/07	1000
Chloromethane	BDL	2.5	mg/l	8260B	11/15/07	1000
2-Chlorotoluene	BDL	1.0	mg/l	8260B	11/15/07	1000
4-Chlorotoluene	BDL	1.0	mg/l	8260B	11/15/07	1000
1,2-Dibromo-3-Chloropropane	BDL	5.0	mg/l	8260B	11/15/07	1000
1,2-Dibromoethane	BDL	1.0	mg/l	8260B	11/15/07	1000
Dibromomethane	BDL	1.0	mg/l	8260B	11/15/07	1000
1,2-Dichlorobenzene	BDL	1.0	mg/l	8260B	11/15/07	1000
1,3-Dichlorobenzene	BDL	1.0	mg/l	8260B	11/15/07	1000
1,4-Dichlorobenzene	BDL	1.0	mg/l	8260B	11/15/07	1000
Dichlorodifluoromethane	BDL	5.0	mg/l	8260B	11/15/07	1000
1,1-Dichloroethane	BDL	1.0	mg/l	8260B	11/15/07	1000
1,2-Dichloroethane	BDL	1.0	mg/l	8260B	11/15/07	1000
1,1-Dichloroethene	BDL	1.0	mg/l	8260B	11/15/07	1000
cis-1,2-Dichloroethene	BDL	1.0	mg/l	8260B	11/15/07	1000
trans-1,2-Dichloroethene	BDL	1.0	mg/l	8260B	11/15/07	1000
1,2-Dichloropropane	BDL	1.0	mg/l	8260B	11/15/07	1000
1,1-Dichloropropene	BDL	1.0	mg/l	8260B	11/15/07	1000
1,3-Dichloropropane	BDL	1.0	mg/l	8260B	11/15/07	1000
cis-1,3-Dichloropropene	BDL	1.0	mg/l	8260B	11/15/07	1000
trans-1,3-Dichloropropene	BDL	1.0	mg/l	8260B	11/15/07	1000
2,2-Dichloropropane	BDL	1.0	mg/l	8260B	11/15/07	1000
Di-isopropyl ether	BDL	1.0	mg/l	8260B	11/15/07	1000
Ethylbenzene	BDL	1.0	mg/l	8260B	11/15/07	1000
Hexachlorobutadiene	BDL	1.0	mg/l	8260B	11/15/07	1000
Isopropylbenzene	BDL	1.0	mg/l	8260B	11/15/07	1000
p-Isopropyltoluene	BDL	1.0	mg/l	8260B	11/15/07	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

November 19, 2007

Date Received : November 09, 2007
Description : ELMCO

Sample ID : HR-2

Collected By : T Spalding-S Powell
Collection Date : 11/09/07 15:10

ESC Sample # : L319099-03

Site ID :

Project # : 07-ELM02-01

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	mg/l	8260B	11/15/07	1000
Methylene Chloride	BDL	5.0	mg/l	8260B	11/15/07	1000
4-Methyl-2-pentanone (MIBK)	BDL	10.	mg/l	8260B	11/15/07	1000
Methyl tert-butyl ether	BDL	1.0	mg/l	8260B	11/15/07	1000
Naphthalene	BDL	5.0	mg/l	8260B	11/15/07	1000
n-Propylbenzene	BDL	1.0	mg/l	8260B	11/15/07	1000
Styrene	BDL	1.0	mg/l	8260B	11/15/07	1000
1,1,1,2-Tetrachloroethane	BDL	1.0	mg/l	8260B	11/15/07	1000
1,1,2,2-Tetrachloroethane	BDL	1.0	mg/l	8260B	11/15/07	1000
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	mg/l	8260B	11/15/07	1000
Tetrachloroethene	BDL	1.0	mg/l	8260B	11/15/07	1000
Toluene	180	5.0	mg/l	8260B	11/15/07	1000
1,2,3-Trichlorobenzene	BDL	1.0	mg/l	8260B	11/15/07	1000
1,2,4-Trichlorobenzene	BDL	1.0	mg/l	8260B	11/15/07	1000
1,1,1-Trichloroethane	BDL	1.0	mg/l	8260B	11/15/07	1000
1,1,2-Trichloroethane	BDL	1.0	mg/l	8260B	11/15/07	1000
Trichloroethene	BDL	1.0	mg/l	8260B	11/15/07	1000
Trichlorofluoromethane	BDL	5.0	mg/l	8260B	11/15/07	1000
1,2,3-Trichloropropane	BDL	1.0	mg/l	8260B	11/15/07	1000
1,2,4-Trimethylbenzene	BDL	1.0	mg/l	8260B	11/15/07	1000
1,2,3-Trimethylbenzene	BDL	1.0	mg/l	8260B	11/15/07	1000
1,3,5-Trimethylbenzene	BDL	1.0	mg/l	8260B	11/15/07	1000
Vinyl chloride	BDL	1.0	mg/l	8260B	11/15/07	1000
Xylenes, Total	BDL	3.0	mg/l	8260B	11/15/07	1000
Surrogate Recovery						
Toluene-d8	107.		% Rec.	8260B	11/15/07	1000
Dibromofluoromethane	104.		% Rec.	8260B	11/15/07	1000
4-Bromofluorobenzene	101.		% Rec.	8260B	11/15/07	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

November 19, 2007

Date Received : November 09, 2007
Description : ELMCO

ESC Sample # : L319099-04

Sample ID : WATERGATE

Site ID :

Collected By : T Spalding-S Powell
Collection Date : 11/09/07 14:30

Project # : 07-ELM02-01

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	2.5	mg/l	8260B	11/15/07	50
Acrolein	BDL	2.5	mg/l	8260B	11/15/07	50
Acrylonitrile	BDL	0.50	mg/l	8260B	11/15/07	50
Benzene	BDL	0.050	mg/l	8260B	11/15/07	50
Bromobenzene	BDL	0.050	mg/l	8260B	11/15/07	50
Bromodichloromethane	BDL	0.050	mg/l	8260B	11/15/07	50
Bromoform	BDL	0.050	mg/l	8260B	11/15/07	50
Bromomethane	BDL	0.25	mg/l	8260B	11/15/07	50
n-Butylbenzene	BDL	0.050	mg/l	8260B	11/15/07	50
sec-Butylbenzene	BDL	0.050	mg/l	8260B	11/15/07	50
tert-Butylbenzene	BDL	0.050	mg/l	8260B	11/15/07	50
Carbon tetrachloride	BDL	0.050	mg/l	8260B	11/15/07	50
Chlorobenzene	BDL	0.050	mg/l	8260B	11/15/07	50
Chlorodibromomethane	BDL	0.050	mg/l	8260B	11/15/07	50
Chloroethane	BDL	0.25	mg/l	8260B	11/15/07	50
2-Chloroethyl vinyl ether	BDL	2.5	mg/l	8260B	11/15/07	50
Chloroform	BDL	0.25	mg/l	8260B	11/15/07	50
Chloromethane	BDL	0.12	mg/l	8260B	11/15/07	50
2-Chlorotoluene	BDL	0.050	mg/l	8260B	11/15/07	50
4-Chlorotoluene	BDL	0.050	mg/l	8260B	11/15/07	50
1,2-Dibromo-3-Chloropropane	BDL	0.25	mg/l	8260B	11/15/07	50
1,2-Dibromoethane	BDL	0.050	mg/l	8260B	11/15/07	50
Dibromomethane	BDL	0.050	mg/l	8260B	11/15/07	50
1,2-Dichlorobenzene	BDL	0.050	mg/l	8260B	11/15/07	50
1,3-Dichlorobenzene	BDL	0.050	mg/l	8260B	11/15/07	50
1,4-Dichlorobenzene	BDL	0.050	mg/l	8260B	11/15/07	50
Dichlorodifluoromethane	BDL	0.25	mg/l	8260B	11/15/07	50
1,1-Dichloroethane	BDL	0.050	mg/l	8260B	11/15/07	50
1,2-Dichloroethane	BDL	0.050	mg/l	8260B	11/15/07	50
1,1-Dichloroethene	BDL	0.050	mg/l	8260B	11/15/07	50
cis-1,2-Dichloroethene	BDL	0.050	mg/l	8260B	11/15/07	50
trans-1,2-Dichloroethene	BDL	0.050	mg/l	8260B	11/15/07	50
1,2-Dichloropropane	BDL	0.050	mg/l	8260B	11/15/07	50
1,1-Dichloropropene	BDL	0.050	mg/l	8260B	11/15/07	50
1,3-Dichloropropane	BDL	0.050	mg/l	8260B	11/15/07	50
cis-1,3-Dichloropropene	BDL	0.050	mg/l	8260B	11/15/07	50
trans-1,3-Dichloropropene	BDL	0.050	mg/l	8260B	11/15/07	50
2,2-Dichloropropane	BDL	0.050	mg/l	8260B	11/15/07	50
Di-isopropyl ether	BDL	0.050	mg/l	8260B	11/15/07	50
Ethylbenzene	BDL	0.050	mg/l	8260B	11/15/07	50
Hexachlorobutadiene	BDL	0.050	mg/l	8260B	11/15/07	50
Isopropylbenzene	BDL	0.050	mg/l	8260B	11/15/07	50
p-Isopropyltoluene	BDL	0.050	mg/l	8260B	11/15/07	50

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L319099-04 (V8260) - Target compounds too high to run at a lower dilution.

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REPORT OF ANALYSIS

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

November 19, 2007

Date Received : November 09, 2007
Description : ELMCO

Sample ID : WATERGATE

Collected By : T Spalding-S Powell
Collection Date : 11/09/07 14:30

ESC Sample # : L319099-04

Site ID :

Project # : 07-ELM02-01

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.50	mg/l	8260B	11/15/07	50
Methylene Chloride	BDL	0.25	mg/l	8260B	11/15/07	50
4-Methyl-2-pentanone (MIBK)	BDL	0.50	mg/l	8260B	11/15/07	50
Methyl tert-butyl ether	BDL	0.050	mg/l	8260B	11/15/07	50
Naphthalene	BDL	0.25	mg/l	8260B	11/15/07	50
n-Propylbenzene	BDL	0.050	mg/l	8260B	11/15/07	50
Styrene	BDL	0.050	mg/l	8260B	11/15/07	50
1,1,1,2-Tetrachloroethane	BDL	0.050	mg/l	8260B	11/15/07	50
1,1,2,2-Tetrachloroethane	BDL	0.050	mg/l	8260B	11/15/07	50
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.050	mg/l	8260B	11/15/07	50
Tetrachloroethene	0.053	0.050	mg/l	8260B	11/15/07	50
Toluene	11.	0.25	mg/l	8260B	11/15/07	50
1,2,3-Trichlorobenzene	BDL	0.050	mg/l	8260B	11/15/07	50
1,2,4-Trichlorobenzene	BDL	0.050	mg/l	8260B	11/15/07	50
1,1,1-Trichloroethane	BDL	0.050	mg/l	8260B	11/15/07	50
1,1,2-Trichloroethane	BDL	0.050	mg/l	8260B	11/15/07	50
Trichloroethene	BDL	0.050	mg/l	8260B	11/15/07	50
Trichlorofluoromethane	BDL	0.25	mg/l	8260B	11/15/07	50
1,2,3-Trichloropropane	BDL	0.050	mg/l	8260B	11/15/07	50
1,2,4-Trimethylbenzene	BDL	0.050	mg/l	8260B	11/15/07	50
1,2,3-Trimethylbenzene	BDL	0.050	mg/l	8260B	11/15/07	50
1,3,5-Trimethylbenzene	BDL	0.050	mg/l	8260B	11/15/07	50
Vinyl chloride	BDL	0.050	mg/l	8260B	11/15/07	50
Xylenes, Total	BDL	0.15	mg/l	8260B	11/15/07	50
Surrogate Recovery						
Toluene-d8	106.		% Rec.	8260B	11/15/07	50
Dibromofluoromethane	103.		% Rec.	8260B	11/15/07	50
4-Bromofluorobenzene	101.		% Rec.	8260B	11/15/07	50

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 11/18/07 15:07 Revised: 11/19/07 12:25
L319099-04 (V8260) - Target compounds too high to run at a lower dilution.

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REPORT OF ANALYSIS

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

November 19, 2007

Date Received : November 09, 2007
Description : ELMCO

ESC Sample # : L319099-06

Site ID :

Sample ID : TRIP BLANK

Project # : 07-ELM02-01

Collected By :
Collection Date : 11/09/07 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	11/15/07	1
Acrolein	BDL	0.050	mg/l	8260B	11/15/07	1
Acrylonitrile	BDL	0.010	mg/l	8260B	11/15/07	1
Benzene	BDL	0.0010	mg/l	8260B	11/15/07	1
Bromobenzene	BDL	0.0010	mg/l	8260B	11/15/07	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	11/15/07	1
Bromoform	BDL	0.0010	mg/l	8260B	11/15/07	1
Bromomethane	BDL	0.0050	mg/l	8260B	11/15/07	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	11/15/07	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	11/15/07	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	11/15/07	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	11/15/07	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	11/15/07	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	11/15/07	1
Chloroethane	BDL	0.0050	mg/l	8260B	11/15/07	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	11/15/07	1
Chloroform	BDL	0.0050	mg/l	8260B	11/15/07	1
Chloromethane	BDL	0.0025	mg/l	8260B	11/15/07	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	11/15/07	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	11/15/07	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	11/15/07	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	11/15/07	1
Dibromomethane	BDL	0.0010	mg/l	8260B	11/15/07	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	11/15/07	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	11/15/07	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	11/15/07	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	11/15/07	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	11/15/07	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	11/15/07	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	11/15/07	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	11/15/07	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	11/15/07	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	11/15/07	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	11/15/07	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	11/15/07	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	11/15/07	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	11/15/07	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	11/15/07	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	11/15/07	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	11/15/07	1
Hexachlorobutadiene	BDL	0.0010	mg/l	8260B	11/15/07	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	11/15/07	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	11/15/07	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

November 19, 2007

Date Received : November 09, 2007
Description : ELMCO

Sample ID : TRIP BLANK

Collected By : T Spalding-S Powell
Collection Date : 11/09/07 00:00

ESC Sample # : L319099-06

Site ID :

Project # : 07-ELM02-01

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	11/15/07	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	11/15/07	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	11/15/07	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	11/15/07	1
Naphthalene	BDL	0.0050	mg/l	8260B	11/15/07	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	11/15/07	1
Styrene	BDL	0.0010	mg/l	8260B	11/15/07	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	11/15/07	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	11/15/07	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	11/15/07	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	11/15/07	1
Toluene	BDL	0.0050	mg/l	8260B	11/15/07	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	11/15/07	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	11/15/07	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	11/15/07	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	11/15/07	1
Trichloroethene	BDL	0.0010	mg/l	8260B	11/15/07	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	11/15/07	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	11/15/07	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	11/15/07	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	11/15/07	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	11/15/07	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	11/15/07	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	11/15/07	1
Surrogate Recovery						
Toluene-d8	107.		% Rec.	8260B	11/15/07	1
Dibromofluoromethane	104.		% Rec.	8260B	11/15/07	1
4-Bromofluorobenzene	101.		% Rec.	8260B	11/15/07	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.

Reported: 11/18/07 15:07 Revised: 11/19/07 12:25

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L319099-01	Acrolein	J3
	Dichlorodifluoromethane	J3
	cis-1,3-Dichloropropene	J4
	trans-1,3-Dichloropropene	J4
	Ethylbenzene	J4
	Hexachlorobutadiene	J4J3
	Methyl tert-butyl ether	J3
	Styrene	J4
	1,2,3-Trimethylbenzene	J4
L319099-02	Acrolein	J3
	Dichlorodifluoromethane	J3
	cis-1,3-Dichloropropene	J4
	trans-1,3-Dichloropropene	J4
	Ethylbenzene	J4
	Hexachlorobutadiene	J4J3
	Methyl tert-butyl ether	J3
	Styrene	J4
	1,2,3-Trimethylbenzene	J4
L319099-04	Toluene	E
L319099-06	Hexachlorobutadiene	B3

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
B3	(ESC) - The indicated compound was found in the associated method blank, but all reported samples were non-detect.
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.
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.

Summary of Remarks For Samples Printed
11/19/07 at 12:25:11

TSR Signing Reports: 064
R5 - Desired TAT

Chromatograms needed for all EPH analysis. ln 4/17/02 Client needs 2 ltrs and 4 vials for GW.
ln 1/22/02.

Sample: L319099-01 Account: TRIADENV Received: 11/09/07 17:23 Due Date: 11/15/07 00:00 RPT Date: 11/18/07 15:07

Sample: L319099-02 Account: TRIADENV Received: 11/09/07 17:23 Due Date: 11/15/07 00:00 RPT Date: 11/18/07 15:07

Sample: L319099-03 Account: TRIADENV Received: 11/09/07 17:23 Due Date: 11/15/07 00:00 RPT Date: 11/18/07 15:07

Sample: L319099-04 Account: TRIADENV Received: 11/09/07 17:23 Due Date: 11/15/07 00:00 RPT Date: 11/18/07 15:07

Sample: L319099-06 Account: TRIADENV Received: 11/09/07 17:23 Due Date: 11/15/07 00:00 RPT Date: 11/18/07 15:07

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Tax I.D. 62-0814289

Est. 1970

Chris Scott
TriAD Environmental Consultants
207 Donelson Pike Suite 200

Nashville, TN 37214

Report Summary

Friday November 23, 2007

Report Number: L320333
Samples Received: 11/09/07
Client Project: 07-ELM02-01

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

November 23, 2007

Date Received : November 09, 2007
Description : ELMCO

ESC Sample # : L320333-01

Sample ID : D-CROSSING

Site ID :

Collected By : T Spalding-S Powell
Collection Date : 11/09/07 14:45

Project # : 07-ELM02-01

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	11/23/07	1
Acrolein	BDL	0.050	mg/l	8260B	11/23/07	1
Acrylonitrile	BDL	0.010	mg/l	8260B	11/23/07	1
Benzene	BDL	0.0010	mg/l	8260B	11/23/07	1
Bromobenzene	BDL	0.0010	mg/l	8260B	11/23/07	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	11/23/07	1
Bromoform	BDL	0.0010	mg/l	8260B	11/23/07	1
Bromomethane	BDL	0.0050	mg/l	8260B	11/23/07	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	11/23/07	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	11/23/07	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	11/23/07	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	11/23/07	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	11/23/07	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	11/23/07	1
Chloroethane	BDL	0.0050	mg/l	8260B	11/23/07	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	11/23/07	1
Chloroform	BDL	0.0050	mg/l	8260B	11/23/07	1
Chloromethane	BDL	0.0025	mg/l	8260B	11/23/07	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	11/23/07	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	11/23/07	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	11/23/07	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	11/23/07	1
Dibromomethane	BDL	0.0010	mg/l	8260B	11/23/07	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	11/23/07	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	11/23/07	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	11/23/07	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	11/23/07	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	11/23/07	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	11/23/07	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	11/23/07	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	11/23/07	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	11/23/07	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	11/23/07	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	11/23/07	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	11/23/07	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	11/23/07	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	11/23/07	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	11/23/07	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	11/23/07	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	11/23/07	1
Hexachlorobutadiene	BDL	0.0010	mg/l	8260B	11/23/07	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	11/23/07	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	11/23/07	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

November 23, 2007

Date Received : November 09, 2007
Description : ELMCO

ESC Sample # : L320333-01

Sample ID : D-CROSSING

Site ID :

Collected By : T Spalding-S Powell
Collection Date : 11/09/07 14:45

Project # : 07-ELM02-01

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	11/23/07	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	11/23/07	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	11/23/07	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	11/23/07	1
Naphthalene	BDL	0.0050	mg/l	8260B	11/23/07	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	11/23/07	1
Styrene	BDL	0.0010	mg/l	8260B	11/23/07	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	11/23/07	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	11/23/07	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	11/23/07	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	11/23/07	1
Toluene	BDL	0.0050	mg/l	8260B	11/23/07	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	11/23/07	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	11/23/07	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	11/23/07	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	11/23/07	1
Trichloroethene	BDL	0.0010	mg/l	8260B	11/23/07	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	11/23/07	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	11/23/07	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	11/23/07	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	11/23/07	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	11/23/07	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	11/23/07	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	11/23/07	1
Surrogate Recovery						
Toluene-d8	111.		% Rec.	8260B	11/23/07	1
Dibromofluoromethane	101.		% Rec.	8260B	11/23/07	1
4-Bromofluorobenzene	111.		% Rec.	8260B	11/23/07	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: 11/23/07 17:08 Printed: 11/23/07 17:08

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L320333-01	Bromomethane	J4
	Dichlorodifluoromethane	J4
	cis-1,3-Dichloropropene	J4
	trans-1,3-Dichloropropene	J4
	Trichlorofluoromethane	J4

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
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

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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 ___ of ___

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

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

Project Description: ELMCO
City/State Collected: Franklin, TN

Phone: (615) 889-6888
FAX: (615) 889-4004
Client Project #: 07-ELM02-01
Lab Project #: TRIADENV-07ELM0201

Collected by (print): TISH SPALDING Shawn Powell
Site/Facility ID#:
P.O.#:

Collected by (signature): Tish Spalding [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

Analysis/Container/Preservative

Accutum: TRIADENV (lab use only)
Template/Prelogin: T45896 P226387
Cooler: [illegible]
Shipped Via: Courier

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	RCRA Mtls 500ml HDPE-HNO3	V8260 40ml Amb-HCl	Remarks/Contaminant	Sample # (lab only)
LC-MS	G	GW	—	11/09/07	1415	3	X	X		[illegible]
LC-PC	↓	GW	—	↓	1500	2		X		[illegible]
HR-2	↓	GW	—	↓	1510	2		X		[illegible]
Watergate	↓	GW	—	↓	1430	2		X		[illegible]
D-crossing	↓	GW	—	↓	1445	2		X	L320333-01	[illegible]
Trip Blank		~~GW~~			—	~~2~~ 1		X		[illegible]

*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 ☐ Clt	Condition: (lab use only)
[signature]	11/9/07	1655	[signature]		
Relinquished by: (Signature) [signature]	Date: 11/9/07	Time: 17:23	Received by: (Signature)	Temp: 1°C Bottles Received: 11	COC Seal Intact: N NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 11/10/07 Time: 17:23	pH Checked: NCF:

[signature] 11/10/07 8:00

Matt Shacklock

From: Matt Shacklock
Sent: Monday, November 19, 2007 5:28 PM
To: Terrie Fudge; Login; Sample Storage
Subject: RE: L319099-05 TRIADENV

Relogged to L320333.

Sample storage please bring 1 vial from L319099-05 to login.

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From: Terrie Fudge
Sent: Monday, November 19, 2007 4:12 PM
To: Login; Sample Storage
Cc: Terrie Fudge
Subject: L319099-05 TRIADENV

client wants us to now run the sample for V8260; please take off HOLD and run it

Thanks,
Terrie Fudge
Environmental Science Corp.
Technical Service Rep.
Phone: 615-758-5858 ext 108
Email: tfudge@envsci.com

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