REDACTED VERSION

ACKNOWLEDGMENT OF COMPLETION REPORT

FOR

DELFASCO FORGE
114 NE 28TH STREET
GRAND PRAIRIE, DALLAS COUNTY, TEXAS

Prepared for

U.S. Environmental Protection Agency
Linda Carter, Project Officer
1445 Ross Avenue
Dallas, Texas 75202

Contract No. EP-W-06-042
TDD No. TO-0005-08-07-01
WESTON W.O. No. 20406.012.005.0321.01
NRC No. N/A
FPN: N/A
CERCLIS ID: TXD988034328
EPA TM: Greg Fife
START-3 PTL: Derrick Cobb

Submitted by

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10 February 2009

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ACKNOWLEDGMENT OF COMPLETION REPORT

1. PROJECT IDENTIFICATION

Date: 10 February 2009

To: Greg Fife, Task Monitor (TM)
U.S. Environmental Protection Agency (EPA)
Region 6, Prevention and Response Branch

Through: Linda Carter, Project Officer (PO)
EPA Region 6, Program Management Branch

Through: Robert Beck, VP, P.E., Weston Solutions, Inc. (WESTON®)
EPA Region 6, Superfund Technical Assessment and Response Team (START-3)
Program Manager

From: Derrick Cobb, WESTON
EPA Region 6, START-3 Project Team Leader

Subject: Acknowledgment of Completion Report:
Delfasco Forge
114 NE 28th Street
Grand Prairie, Dallas County, Texas
Contract No. EP-W-06-042
TDD No. TO-0005-08-07-01
W.O. No. 20406.012.005.0321.01
NRC No. N/A
FPN: N/A
CERCLIS ID: TXD988034328
Latitude: 32.753230
Longitude: 96.962906

Activities conducted for this Technical Direction Document (TDD) were associated with START-3 providing technical assistance to the U.S. Environmental Protection Agency (EPA) Prevention and Response Branch (PRB) for the Delfasco Forge Site. START-3 was specifically tasked to determine the nature and extent of a soil gas plume associated with an existing ground plume. The Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) number assigned to the site is TXD988034328.

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2. SUMMARY OF ACTIONS

On 10 July 2008, the EPA-PRB tasked START-3 under TDD TO-0005-08-07-01 (Attachment A) to provide technical assistance at the Delfasco Forge site to determine the nature and extent of a soil gas plume. START-3 was specifically tasked to determine the effectiveness, availability, and appropriateness of several technologies to determine the extent of the trichloroethylene soil vapor plume from the site. START-3 evaluated membrane interface probe (MIP) and passive soil gas samplers to complete the technical scope of work. START-3 presented a comparison of the two sampling methods based on literature research to EPA OSC Fife. EPA and START-3 selected the passive soil gas samplers due to access, economics, efficiency, and the effectiveness of the screening tool.

To determine the nature and extent of the soil gas plume, START-3 utilized 89 passive soil gas samplers to collect 84 normal samples, 2 background samples, and 3 trip blanks within the City of Grand Prairie, Texas. The samplers were installed on 19 August 2008 in the right-of-ways along NE 28th Street, NE 29th Street, MacArthur Boulevard, and 31st Street. A Sample Location Map is provided as Attachment A.

The passive soil gas samplers, which consist of two sets of hydrophobic absorbent cartridges contained within a glass vial, were installed to a depth of 4 inches below ground surface (bgs) utilizing a ¾-inch drill bit to drill the hole. To create a pathway for the soil gas to pass through the samplers, the 4-inch borings were advanced to a depth of 2 to 3 feet bgs utilizing a ½-inch drill bit. Sanitized metal pipes (sleeves) were placed in the top 4 inches of soil prior to installing the samplers to protect the samplers. These sleeves also prevented horizontal migration of vapors in the more porous substrate from influencing the soil-gas samplers, ensuring that samplers only adsorbed compounds in soil gas that moved vertically through the soils beneath, and not the vapors that may be migrating laterally. The passive soil gas samplers were installed in the top 4 inches of the hole. After the samplers were installed inside the metal sleeves, the holes were patched with an aluminum foil plug and covered with the native material.

Following completion of installation, the samplers were exposed to the subsurface soil gas for 8 days. On 27 August 2008, START-3 retrieved the samplers and shipped them to the manufacturer (Beacon Environmental) for analysis. The samples were analyzed for volatile

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organic compounds utilizing EPA SW-846 Method 8260B. A copy of the START-3 validation report and analytical data is included as Attachment B. The data was utilized to prepare iso-concentration maps for the OSC to utilize for a public presentation. Iso-concentration maps are provided as Attachment C.

3. LIST OF ATTACHMENTS

A. Sample Location Map

B. START-3 Data Validation Report

C. Iso-Concentration Map

D. Copy of TDD No. TO-0005-08-07-01 and Amendments A and B

X	The EPA Task Monitor did not provide final approval of this report prior to the completion date of the work assignment. Therefore, Weston Solutions, Inc. has submitted this report absent the Task Monitor's approval.
	The EPA Task Monitor has provided final approval of this report. Therefore, Weston Solutions, Inc. has submitted this report with the Task Monitor's approval.

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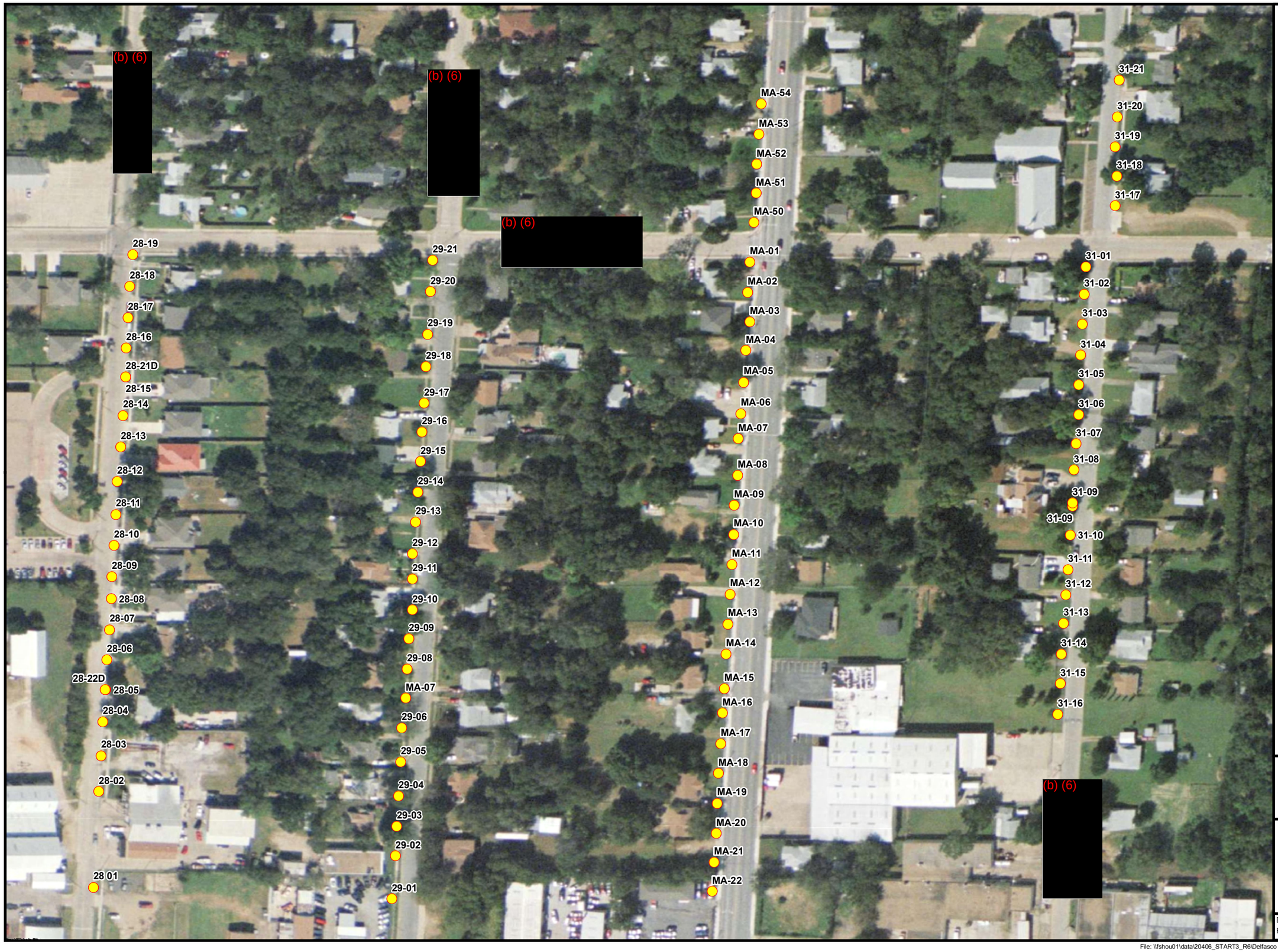
ATTACHMENT A

SAMPLE LOCATION MAP



LEGEND

SAMPLE LOCATIONS

N

0 150 300

SCALE IN FEET

USEPA REGION 6
START-3

ATTACHMENT A
SAMPLE LOCATIONS MAP
DELFASCO FORGE
GRAND PRAIRIE
DALLAS COUNTY, TEXAS

DATE	PROJECT NO	SCALE
FEB 2009	20406.012.005.0321.01	AS SHOWN

File: \\fshou01\data\20406_START3_R6\Delfasco Forge\GIS\SAMPLE_LOCATION_MAP_DEFD.mxd, 10-Feb-09 10:41, bondp

ATTACHMENT B

START-3 DATA VALIDATION REPORT

DATA QUALITY ASSURANCE REVIEW

SITE NAME Delfasco Forge

CERCLIS TXD988034328

WORK ORDER NUMBER 20406.012.005.0321.01 TDD NUMBER TO-0005-08-07-01

PROJECT NUMBER _____ SDG NUMBER 2143

Weston Solutions, Inc. (WESTON®) has completed a QA review for Work Order Number 20406.012.005.0321.01, SDG No. 2143, Delfasco Forge. Ninety three samples were analyzed for Volatile Organic Compounds (VOCs) by Beacon Environmental Services, Inc. Sample numbers are listed below.

SAMPLE NUMBERS

Trip-3	28-01	28-02
28-03	28-04	28-05
28-05 D	28-06	28-07
28-08	28-09	28-10
28-11	28-12	28-13
28-14	28-15	28-16
28-17	28-18	28-19
29-01	29-02	29-03
29-04	29-05	29-06
29-07	29-08	29-09
29-10	29-11	29-12
29-12 D	29-13	29-15
29-16	29-19	29-20
29-21	Trip-1	31-01
31-02	31-03	31-05
31-06	31-07	31-09
31-10	31-11	31-12
31-13	31-14	31-15
31-16	31-17	31-18
31-18 D	31-20	31-21
BG-02	Trip-2	MA-01
MA-02	MA-03	MA-04

SAMPLE NUMBERS

MA-05	MA-05 D	MA-06
MA-07	MA-08	MA-09
MA-10	MA-11	MA-12
MA-13	MA-14	MA-16
MA-17	MA-18	MA-19
MA-20	MA-21	MA-22
MA-50	MA-51	MA-52
MA-53	MA-54	BG-01
29-17	29-18	31-08

This data package was validated to determine if Quality Control (QC) specifications were achieved, following *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review* (October, 1999), *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review* (July, 2002), *USEPA Contract Laboratory Program National Functional Guidelines for Chlorinated Dioxin/Furan Data Review* (August, 2002), *Quality Assurance/Quality Control Guidance for Removal Activities* (April, 1990), and the Regional Protocol for Holding Times, Blanks, and VOA Preservation (April 13, 1989). Specific data qualifications are listed in the following discussion.

REVIEWER Gloria J. Switalski DATE November 13, 2008

Data Qualifiers

Data Qualifier Definitions were supplied by the Office of Solid Waste and Emergency Response (September 1989) and are included in the Functional Guidelines. Data qualifiers may be combined (UJ, QJ) with the corresponding combination of meanings. Additional qualifier may be added to provide additional, more specific information (JL, UB, QJK), modifying the meaning of the primary qualifier. Addition qualifiers utilized by WESTON are H, L, K, B, Q, and D.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation or detection limit, which has been adjusted for sample weight/sample volume, extraction volume, percent solids, sample dilution or other analysis specific parameters.

An additional qualifier, "B", may be appended to indicate that while the analyte was detected in the sample, the presence of the analyte may be attributable to blank contamination and the analyte is therefore considered undetected with the sample detection or quantitation limit for the analyte being elevated.

J - The analyte was analyzed for, but the associated numerical value may not be consistent with the amount actually present in the environmental sample or may not be consistent with the sample detection or quantitation limit. The value is an estimated quantity. The data should be seriously considered for decision-making and are usable for many purposes.

An additional qualifier will be appended to the "J" qualifier that indicates the bias in the reported results:

L Low bias

H High bias

K Unknown bias

Q The reported concentration is less than the sample quantitation limit for the specific analyte in the sample.

The L and H qualifier will only be employed when a single qualification is required. When more than one quality control parameter affects the analytical result and a conflict results in assigning a bias, the result will be flagged JK.

R - Quality Control indicates that data are unusable for all purposes. The analyte was analyzed for, but the presence or absence of the analyte has not been verified. Resampling and reanalysis are necessary for verification to confirm or deny the presence of an analyte.

N - The analysis indicates the presence of analyte for which there is presumptive evidence to make a "tentative identification."

D - The concentration reported was determined in the re-analysis of the sample at a secondary dilution.

VOC FRACTION EVALUATION

A modified Tier II validation was performed on the data. The criteria detailed below were used to qualify the data. Raw data were not used to verify the results reported by the laboratory.

1. Analytical Method:

Passive soil-gas samples were analyzed for VOCs using the procedures specified in **SW-846 Method 8260B, modified.**

2. Holding Time:

Although there is no established holding time for passive soil-gas samples other methods which utilize sorbent tubes recommend that samples should be analyzed within 30 days of collection. Since all samples were analyzed within 30 days, no qualifications are placed on the data.

3. Tuning/Performance:

BFB tuning of the mass spectrometer(s) was conducted at the required frequency and results were within the required criteria. No qualifications are placed on the data.

4. Initial Calibration:

All individual relative response factors (RRFs) and average RRFs for the initial calibration were greater than the 0.05 control limit. All percent relative standard deviations (%RSDs) were less than the control limit of 30.0%. No qualifications are placed on the data.

5. Continuing Calibration:

All individual RRFs for the continuing calibration were greater than the 0.05 control limit. All percent differences (%Ds) were less than the control limit of 25.0%. No qualifications are placed on the data.

6. Blanks:

A. Laboratory Blanks

A method blank was analyzed at the required frequency of every 12 hours beginning with the BFB injection. Target analytes were not detected in associated blank(s) analyzed. No qualifications are placed on the data.

B. Field Blanks:

No target analytes were detected in the following field blank associated with this package: Trip #1, Trip #2, and Trip #3. No qualifications are placed on the data.

7. System Monitoring Compounds (SMC):

All recoveries of the system monitoring compounds (surrogates) were within the control limits. No qualifications are placed on the data.

8. Matrix Spike/Matrix Spike Duplicate (MS/MSD):

No sample from this analytical package underwent MS/MSD analysis. No qualifications are placed on the data.

9. Duplicates:

A. Laboratory Duplicate Analysis:

No sample from this analytical package underwent MS/MSD analysis. No qualifications are placed on the data.

B. Field Duplicate Analysis:

The following sample pairs were submitted as field duplicates for the soil-gas matrix: 28-05/28-05 D, 29-12/29-12 D, MA-05/MA-05 D, and 31-18/31-18 D. The relative percent difference (RPD) values for the field duplicate sample analysis were within the QC criteria of less than 100% for soil-gas samples for concentrations greater than five times the reporting limit (RL). For sample concentrations less than five times the RL, the absolute difference between the samples is less than 3.5 times the RL for the soil-gas matrix. No qualifications are placed on the data.

10. Internal Standards:

Areas of the three internal standards were within the control limits of a factor of 2 (-50% to +100%) and retention times within 30 seconds from the associated 12 hour calibration standard. No qualifications are placed on the data.

11. Target Compound Identification:

All target compounds reported by the laboratory met identification criteria of relative retention times (RRT) within 0.06 RRT units of the 12 hour standard and that all ions present in the standard mass spectrum were present in the sample mass spectrum and the abundance of these ions agreed within $\pm$ 20% of the standard. No qualifications are placed on the data.

12. Target Compound Quantitation and Reporting Limits:

Concentrations of reported analytes could not be calculated since raw data was not provided.

13. Laboratory Control Sample:

The laboratory analyzed a laboratory control sample (LCS) on all days that samples were analyzed with the exception of one day. The laboratory analyst inadvertently failed to analyze an (LCS) on the first day samples were analyzed. Since all other LCS met acceptance criteria, no qualifications are placed on the data.

14. Laboratory Contact:

No laboratory contact was required.

15. Overall Assessment

The analytical data is acceptable for use with no qualifications.

Table I

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	Meth_Bl	Trip-3	28-01	28-02	28-03	28-04
Project Number:	2143	2143	2143	2143	2143	2143
Lab File ID:	08090212	08090214	08090215	08090216	08090217	08090218
Received Date:		8/29/2008	8/29/2008	8/29/2008	8/29/2008	8/29/2008
Analysis Date:	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008
Analysis Time:	19:20	20:20	20:50	21:20	21:50	22:20
Units:	ng	ng	ng	ng	ng	ng
COMPOUNDS						
Dichlorotetrafluoroethane (Freon 114)	<25	<25	<25	<25	<25	<25
Vinyl Chloride	<25	<25	<25	<25	<25	<25
Dichlorodifluoromethane (Freon 12)	<25	<25	<25	<25	<25	<25
Trichlorofluoromethane (Freon 11)	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
112-Trichlorotrifluoroethane (Fr.113)	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Methyl-t-butyl ether	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Chloroform	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	<25	<25	<25	<25	<25	<25
Benzene	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25	<25	**177**
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Toluene	<25	<25	<25	<25	<25	<25
1,2-Dibromoethane (EDB)	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	<25	<25	**44**
1,1,1,2-Tetrachloroethane	<25	<25	<25	<25	<25	<25
Chlorobenzene	<25	<25	<25	<25	<25	<25
Ethylbenzene	<25	<25	<25	<25	<25	<25
p & m-Xylene	<25	<25	<25	<25	<25	<25
Bromoform	<25	<25	<25	<25	<25	<25
1,1,2,2-Tetrachloroethane	<25	<25	<25	<25	<25	<25
o-Xylene	<25	<25	<25	<25	<25	<25
1,2,3-Trichloropropane	<25	<25	<25	<25	<25	<25
Isopropylbenzene	<25	<25	<25	<25	<25	<25
1,3,5-Trimethylbenzene	<25	<25	<25	<25	<25	<25
1,2,4-Trimethylbenzene	<25	<25	<25	<25	<25	<25
1,3-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,4-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,2-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,2,4-Trichlorobenzene	<25	<25	<25	<25	<25	<25
Naphthalene	<25	<25	**40**	<25	<25	<25
1,2,3-Trichlorobenzene	<25	<25	<25	<25	<25	<25
2-Methylnaphthalene	<25	<25	**354**	<25	<25	<25
TPH C_5-C_9	<2,500	<2,500	**6,634**	<2,500	<2,500	<2,500
TPH C_{10}-C_{15}	<2,500	<2,500	**8,076**	<2,500	<2,500	<2,500

11/7/08

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	28-05	28-05 D	28-06	28-07	28-08	28-09
Project Number:	2143	2143	2143	2143	2143	2143
Lab File ID:	08090219	08090220	08090221	08090222	08090223	08090224
Received Date:	8/29/2008	8/29/2008	8/29/2008	8/29/2008	8/29/2008	8/29/2008
Analysis Date:	9/2/2008	9/2/2008	9/2/2008	9/3/2008	9/3/2008	9/3/2008
Analysis Time:	22:50	23:20	23:50	0:20	0:50	1:20
Units:	ng	ng	ng	ng	ng	ng
COMPOUNDS						
Dichlorotetrafluoroethane (Freon 114)	<25	<25	<25	<25	<25	<25
Vinyl Chloride	<25	<25	<25	<25	<25	<25
Dichlorodifluoromethane (Freon 12)	<25	<25	<25	<25	<25	<25
Trichlorofluoromethane (Freon 11)	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
112-Trichlorotrifluoroethane (Fr.113)	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Methyl-t-butyl ether	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Chloroform	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	<25	<25	<25	<25	<25	<25
Benzene	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25	<25	<25
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Toluene	<25	<25	<25	<25	<25	<25
1,2-Dibromoethane (EDB)	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	**49**	<25	<25	<25
1,1,1,2-Tetrachloroethane	<25	<25	<25	<25	<25	<25
Chlorobenzene	<25	<25	<25	<25	<25	<25
Ethylbenzene	<25	<25	<25	<25	<25	<25
p & m-Xylene	<25	<25	<25	<25	<25	<25
Bromoform	<25	<25	<25	<25	<25	<25
1,1,2,2-Tetrachloroethane	<25	<25	<25	<25	<25	<25
o-Xylene	<25	<25	<25	<25	<25	<25
1,2,3-Trichloropropane	<25	<25	<25	<25	<25	<25
Isopropylbenzene	<25	<25	<25	<25	<25	<25
1,3,5-Trimethylbenzene	<25	<25	<25	<25	<25	<25
1,2,4-Trimethylbenzene	<25	<25	<25	<25	<25	<25
1,3-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,4-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,2-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,2,4-Trichlorobenzene	<25	<25	<25	<25	<25	<25
Naphthalene	<25	<25	<25	<25	<25	<25
1,2,3-Trichlorobenzene	<25	<25	<25	<25	<25	<25
2-Methylnaphthalene	<25	<25	<25	<25	<25	<25
TPH C_5-C_9	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500
TPH C_{10}-C_{15}	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank. 11/9/10

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	28-10	28-11	28-12	28-13	28-14	28-15
Project Number:	2143	2143	2143	2143	2143	2143
Lab File ID:	08090225	08090226	08090227	08090228	08090229	08090230
Received Date:	8/29/2008	8/29/2008	8/29/2008	8/29/2008	8/29/2008	8/29/2008
Analysis Date:	9/3/2008	9/3/2008	9/3/2008	9/3/2008	9/3/2008	9/3/2008
Analysis Time:	1:50	2:20	2:50	3:20	3:50	4:20
Units:	ng	ng	ng	ng	ng	ng
COMPOUNDS						
Dichlorotetrafluoroethane (Freon 114)	<25	<25	<25	<25	<25	<25
Vinyl Chloride	<25	<25	<25	<25	<25	<25
Dichlorodifluoromethane (Freon 12)	<25	<25	<25	<25	<25	<25
Trichlorofluoromethane (Freon 11)	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
112-Trichlorotrifluoroethane (Fr.113)	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Methyl-t-butyl ether	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Chloroform	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	<25	<25	<25	<25	<25	<25
Benzene	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25	<25	<25
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Toluene	<25	<25	<25	<25	<25	<25
1,2-Dibromoethane (EDB)	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	<25	<25	<25
1,1,1,2-Tetrachloroethane	<25	<25	<25	<25	<25	<25
Chlorobenzene	<25	<25	<25	<25	<25	<25
Ethylbenzene	<25	<25	<25	<25	<25	<25
p & m-Xylene	<25	<25	<25	<25	<25	<25
Bromoform	<25	<25	<25	<25	<25	<25
1,1,2,2-Tetrachloroethane	<25	<25	<25	<25	<25	<25
o-Xylene	<25	<25	<25	<25	<25	<25
1,2,3-Trichloropropane	<25	<25	<25	<25	<25	<25
Isopropylbenzene	<25	<25	<25	<25	<25	<25
1,3,5-Trimethylbenzene	<25	<25	<25	<25	<25	<25
1,2,4-Trimethylbenzene	<25	<25	<25	<25	<25	<25
1,3-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,4-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,2-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,2,4-Trichlorobenzene	<25	<25	<25	<25	<25	<25
Naphthalene	<25	<25	<25	<25	<25	<25
1,2,3-Trichlorobenzene	<25	<25	<25	<25	<25	<25
2-Methylnaphthalene	<25	<25	<25	<25	<25	<25
TPH C_5-C_9	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500
TPH C_{10}-C_{15}	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500

11/9/18

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	LCS-50	Meth_Bl	28-16	28-17	28-18	28-19
Project Number:	2143	2143	2143	2143	2143	2143
Lab File ID:	08090233	08090234	08090235	08090236	08090237	08090238
Received Date:			8/29/2008	8/29/2008	8/29/2008	8/29/2008
Analysis Date:	9/3/2008	9/3/2008	9/3/2008	9/3/2008	9/3/2008	9/3/2008
Analysis Time:	6:04	6:48	7:18	7:48	8:18	8:48
Units:	% Recovery	ng	ng	ng	ng	ng
COMPOUNDS						
Dichlorotetrafluoroethane (Freon 114)	**86%**	<25	<25	<25	<25	<25
Vinyl Chloride	**89%**	<25	<25	<25	<25	<25
Dichlorodifluoromethane (Freon 12)	**103%**	<25	<25	<25	<25	<25
Trichlorofluoromethane (Freon 11)	**81%**	<25	<25	<25	<25	<25
1,1-Dichloroethene	**81%**	<25	<25	<25	<25	<25
112-Trichlorotrifluoroethane (Fr.113)	**120%**	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	**85%**	<25	<25	<25	<25	<25
Methyl-t-butyl ether	**95%**	<25	<25	<25	<25	<25
1,1-Dichloroethane	**92%**	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	**87%**	<25	<25	<25	<25	<25
Chloroform	**100%**	<25	<25	<25	<25	<25
1,2-Dichloroethane	**97%**	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	**105%**	<25	<25	<25	<25	<25
Carbon Tetrachloride	**104%**	<25	<25	<25	<25	<25
Benzene	**98%**	<25	<25	<25	<25	<25
Trichloroethene	**103%**	<25	<25	<25	<25	<25
1,1,2-Trichloroethane	**106%**	<25	<25	<25	<25	<25
Toluene	**97%**	<25	<25	<25	<25	<25
1,2-Dibromoethane (EDB)	**100%**	<25	<25	<25	<25	<25
Tetrachloroethene	**95%**	<25	<25	<25	<25	<25
1,1,1,2-Tetrachloroethane	**102%**	<25	<25	<25	<25	<25
Chlorobenzene	**97%**	<25	<25	<25	<25	<25
Ethylbenzene	**97%**	<25	<25	<25	<25	<25
p & m-Xylene	**97%**	<25	**31**	<25	<25	<25
Bromoform	**100%**	<25	<25	<25	<25	<25
1,1,2,2-Tetrachloroethane	**103%**	<25	<25	<25	<25	<25
o-Xylene	**95%**	<25	<25	<25	<25	<25
1,2,3-Trichloropropane	**102%**	<25	<25	<25	<25	<25
Isopropylbenzene	**94%**	<25	<25	<25	<25	<25
1,3,5-Trimethylbenzene	**95%**	<25	<25	<25	<25	<25
1,2,4-Trimethylbenzene	**91%**	<25	<25	<25	<25	<25
1,3-Dichlorobenzene	**88%**	<25	<25	<25	<25	<25
1,4-Dichlorobenzene	**96%**	<25	<25	<25	<25	<25
1,2-Dichlorobenzene	**96%**	<25	<25	<25	<25	<25
1,2,4-Trichlorobenzene	**101%**	<25	<25	<25	<25	<25
Naphthalene	**97%**	<25	<25	<25	<25	<25
1,2,3-Trichlorobenzene	**100%**	<25	<25	<25	<25	<25
2-Methylnaphthalene	**87%**	<25	<25	<25	<25	<25
TPH C_5-C_9	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500
TPH C_{10}-C_{15}	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank. 11/9/16

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	29-01	29-02	29-03	29-04	29-05	29-06
Project Number:	2143	2143	2143	2143	2143	2143
Lab File ID:	08090239	08090240	08090241	08090242	08090243	08090244
Received Date:	8/29/2008	8/29/2008	8/29/2008	8/29/2008	8/29/2008	8/29/2008
Analysis Date:	9/3/2008	9/3/2008	9/3/2008	9/3/2008	9/3/2008	9/3/2008
Analysis Time:	9:18	9:48	10:18	10:48	11:18	11:48
Units:	ng	ng	ng	ng	ng	ng
COMPOUNDS						
Dichlorotetrafluoroethane (Freon 114)	<25	<25	<25	<25	<25	<25
Vinyl Chloride	<25	<25	<25	<25	<25	<25
Dichlorodifluoromethane (Freon 12)	<25	<25	<25	<25	<25	<25
Trichlorofluoromethane (Freon 11)	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
112-Trichlorotrifluoroethane (Fr.113)	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Methyl-t-butyl ether	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Chloroform	<25	<25	<25	**32**	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	<25	<25	<25	<25	<25	<25
Benzene	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	**899**	**2,428**	**502**	<25
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Toluene	<25	<25	<25	<25	<25	<25
1,2-Dibromoethane (EDB)	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	<25	<25	<25
1,1,1,2-Tetrachloroethane	<25	<25	<25	<25	<25	<25
Chlorobenzene	<25	<25	<25	<25	<25	<25
Ethylbenzene	<25	<25	<25	<25	<25	<25
p & m-Xylene	<25	<25	<25	<25	<25	<25
Bromoform	<25	<25	<25	<25	<25	<25
1,1,2,2-Tetrachloroethane	<25	<25	<25	<25	<25	<25
o-Xylene	<25	<25	<25	<25	<25	<25
1,2,3-Trichloropropane	<25	<25	<25	<25	<25	<25
Isopropylbenzene	<25	<25	<25	<25	<25	<25
1,3,5-Trimethylbenzene	<25	<25	<25	<25	<25	<25
1,2,4-Trimethylbenzene	<25	<25	<25	<25	<25	<25
1,3-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,4-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,2-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,2,4-Trichlorobenzene	<25	<25	<25	<25	<25	<25
Naphthalene	<25	<25	<25	<25	<25	<25
1,2,3-Trichlorobenzene	<25	<25	<25	<25	<25	<25
2-Methylnaphthalene	<25	<25	<25	<25	<25	<25
TPH C_5-C_9	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500
TPH C_{10}-C_{15}	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

B 11/9/18

Table I

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	29-07	29-08	29-09	29-10	29-11	29-12
Project Number:	2143	2143	2143	2143	2143	2143
Lab File ID:	08090245	08090246	08090247	08090248	08090249	08090250
Received Date:	8/29/2008	8/29/2008	8/29/2008	8/29/2008	8/29/2008	8/29/2008
Analysis Date:	9/3/2008	9/3/2008	9/3/2008	9/3/2008	9/3/2008	9/3/2008
Analysis Time:	12:18	12:48	13:18	13:48	14:18	14:48
Units:	ng	ng	ng	ng	ng	ng
COMPOUNDS						
Dichlorotetrafluoroethane (Freon 114)	<25	<25	<25	<25	<25	<25
Vinyl Chloride	<25	<25	<25	<25	<25	<25
Dichlorodifluoromethane (Freon 12)	<25	<25	<25	<25	<25	<25
Trichlorofluoromethane (Freon 11)	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	**55**	**1,056**	**275**	<25	<25
112-Trichlorotrifluoroethane (Fr.113)	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Methyl-t-butyl ether	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	**511**	**387**	<25	<25
Chloroform	<25	**59**	**208**	**135**	<25	**53**
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	<25	<25	<25	<25	<25	<25
Benzene	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	**2,884**	**21,702**	**17,657**	**177**	**162**
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Toluene	<25	<25	<25	<25	<25	<25
1,2-Dibromoethane (EDB)	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	**37**	**204**	**133**	<25	**26**
1,1,1,2-Tetrachloroethane	<25	<25	<25	<25	<25	<25
Chlorobenzene	<25	<25	<25	<25	<25	<25
Ethylbenzene	<25	<25	<25	<25	<25	<25
p & m-Xylene	<25	<25	<25	<25	<25	<25
Bromoform	<25	<25	<25	<25	<25	<25
1,1,2,2-Tetrachloroethane	<25	<25	<25	<25	<25	<25
o-Xylene	<25	<25	<25	<25	<25	<25
1,2,3-Trichloropropane	<25	<25	<25	<25	<25	<25
Isopropylbenzene	<25	<25	<25	<25	<25	<25
1,3,5-Trimethylbenzene	<25	<25	<25	<25	<25	<25
1,2,4-Trimethylbenzene	<25	<25	<25	<25	<25	<25
1,3-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,4-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,2-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,2,4-Trichlorobenzene	<25	<25	<25	<25	<25	<25
Naphthalene	<25	<25	<25	<25	<25	<25
1,2,3-Trichlorobenzene	<25	<25	<25	<25	<25	<25
2-Methylnaphthalene	<25	<25	<25	<25	<25	<25
TPH C_5-C_9	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500
TPH C_{10}-C_{15}	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500

Results in nanograms (ng). J – Estimated value below reported quantitation level. B = Detected in method blank.

8/11/9/8

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	29-12 D	29-13	LCS-50	Meth_Bl	29-15	29-16
Project Number:	2143	2143	2143	2143	2143	2143
Lab File ID:	08090251	08090252	08090255	08090256	08090257	08090258
Received Date:	8/29/2008	8/29/2008			8/29/2008	8/29/2008
Analysis Date:	9/3/2008	9/3/2008	9/3/2008	9/3/2008	9/3/2008	9/3/2008
Analysis Time:	15:18	15:48	17:33	18:17	18:47	19:17
Units:	ng	ng	% Recovery	ng	ng	ng
COMPOUNDS						
Dichlorotetrafluoroethane (Freon 114)	<25	<25	**83%**	<25	<25	<25
Vinyl Chloride	<25	<25	**89%**	<25	<25	<25
Dichlorodifluoromethane (Freon 12)	<25	<25	**95%**	<25	<25	<25
Trichlorofluoromethane (Freon 11)	<25	<25	**83%**	<25	<25	<25
1,1-Dichloroethene	<25	<25	**97%**	<25	<25	<25
112-Trichlorotrifluoroethane (Fr.113)	<25	<25	**109%**	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	**93%**	<25	<25	<25
Methyl-t-butyl ether	<25	<25	**98%**	<25	<25	<25
1,1-Dichloroethane	<25	<25	**102%**	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	**101%**	<25	<25	<25
Chloroform	**33**	<25	**108%**	<25	<25	<25
1,2-Dichloroethane	<25	<25	**102%**	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	**110%**	<25	<25	<25
Carbon Tetrachloride	<25	<25	**109%**	<25	<25	<25
Benzene	<25	<25	**103%**	<25	<25	<25
Trichloroethene	**93**	<25	**109%**	<25	<25	<25
1,1,2-Trichloroethane	<25	<25	**106%**	<25	<25	<25
Toluene	<25	<25	**93%**	<25	<25	<25
1,2-Dibromoethane (EDB)	<25	<25	**97%**	<25	<25	<25
Tetrachloroethene	<25	<25	**97%**	<25	<25	<25
1,1,1,2-Tetrachloroethane	<25	<25	**99%**	<25	<25	<25
Chlorobenzene	<25	<25	**95%**	<25	<25	<25
Ethylbenzene	<25	<25	**93%**	<25	<25	<25
p & m-Xylene	<25	<25	**96%**	<25	<25	<25
Bromoform	<25	<25	**97%**	<25	<25	<25
1,1,2,2-Tetrachloroethane	<25	<25	**100%**	<25	<25	<25
o-Xylene	<25	<25	**90%**	<25	<25	<25
1,2,3-Trichloropropane	<25	<25	**99%**	<25	<25	<25
Isopropylbenzene	<25	<25	**88%**	<25	<25	<25
1,3,5-Trimethylbenzene	<25	<25	**94%**	<25	<25	<25
1,2,4-Trimethylbenzene	<25	<25	**88%**	<25	<25	<25
1,3-Dichlorobenzene	<25	<25	**91%**	<25	<25	<25
1,4-Dichlorobenzene	<25	<25	**97%**	<25	<25	<25
1,2-Dichlorobenzene	<25	<25	**94%**	<25	<25	<25
1,2,4-Trichlorobenzene	<25	<25	**96%**	<25	<25	<25
Naphthalene	<25	<25	**92%**	<25	<25	<25
1,2,3-Trichlorobenzene	<25	<25	**99%**	<25	<25	<25
2-Methylnaphthalene	<25	<25	**80%**	<25	<25	<25
TPH C_5-C_9	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500
TPH C_{10}-C_{15}	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

11/9/08

Table I

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	29-19	29-20	29-21	Trip-1	31-01	31-02
Project Number:	2143	2143	2143	2143	2143	2143
Lab File ID:	08090261	08090262	08090263	08090264	08090265	08090266
Received Date:	8/29/2008	8/29/2008	8/29/2008	8/29/2008	8/29/2008	8/29/2008
Analysis Date:	9/3/2008	9/3/2008	9/3/2008	9/3/2008	9/3/2008	9/3/2008
Analysis Time:	20:47	21:17	21:47	22:17	22:47	23:17
Units:	ng	ng	ng	ng	ng	ng
COMPOUNDS						
Dichlorotetrafluoroethane (Freon 114)	<25	<25	<25	<25	<25	<25
Vinyl Chloride	<25	<25	<25	<25	<25	<25
Dichlorodifluoromethane (Freon 12)	<25	<25	<25	<25	<25	<25
Trichlorofluoromethane (Freon 11)	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
112-Trichlorotrifluoroethane (Fr.113)	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Methyl-t-butyl ether	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Chloroform	<25	<25	**43**	<25	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	<25	<25	<25	<25	<25	<25
Benzene	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25	<25	<25
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Toluene	<25	<25	<25	<25	<25	<25
1,2-Dibromoethane (EDB)	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	<25	<25	<25
1,1,1,2-Tetrachloroethane	<25	<25	<25	<25	<25	<25
Chlorobenzene	<25	<25	<25	<25	<25	<25
Ethylbenzene	<25	<25	<25	<25	<25	<25
p & m-Xylene	<25	<25	<25	<25	<25	<25
Bromoform	<25	<25	<25	<25	<25	<25
1,1,2,2-Tetrachloroethane	<25	<25	<25	<25	<25	<25
o-Xylene	<25	<25	<25	<25	<25	<25
1,2,3-Trichloropropane	<25	<25	<25	<25	<25	<25
Isopropylbenzene	<25	<25	<25	<25	<25	<25
1,3,5-Trimethylbenzene	<25	<25	<25	<25	<25	<25
1,2,4-Trimethylbenzene	<25	<25	<25	<25	<25	<25
1,3-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,4-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,2-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,2,4-Trichlorobenzene	<25	<25	<25	<25	<25	<25
Naphthalene	<25	<25	<25	<25	<25	<25
1,2,3-Trichlorobenzene	<25	<25	<25	<25	<25	<25
2-Methylnaphthalene	<25	<25	<25	<25	<25	<25
TPH C_5-C_9	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500
TPH C_{10}-C_{15}	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

11/9/08

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	31-03	31-05	31-06	31-07	31-09	31-10
Project Number:	2143	2143	2143	2143	2143	2143
Lab File ID:	08090267	08090268	08090269	08090270	08090272	08090273
Received Date:	8/29/2008	8/29/2008	8/29/2008	8/29/2008	8/29/2008	8/29/2008
Analysis Date:	9/3/2008	9/4/2008	9/4/2008	9/4/2008	9/4/2008	9/4/2008
Analysis Time:	23:47	0:17	0:47	1:17	2:17	2:47
Units:	ng	ng	ng	ng	ng	ng
COMPOUNDS						
Dichlorotetrafluoroethane (Freon 114)	<25	<25	<25	<25	<25	<25
Vinyl Chloride	<25	<25	<25	<25	<25	<25
Dichlorodifluoromethane (Freon 12)	<25	<25	<25	<25	<25	<25
Trichlorofluoromethane (Freon 11)	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
112-Trichlorotrifluoroethane (Fr.113)	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Methyl-t-butyl ether	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Chloroform	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	<25	<25	<25	<25	<25	<25
Benzene	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25	<25	<25
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Toluene	<25	<25	<25	<25	<25	<25
1,2-Dibromoethane (EDB)	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	**26**	<25	<25	<25
1,1,1,2-Tetrachloroethane	<25	<25	<25	<25	<25	<25
Chlorobenzene	<25	<25	<25	<25	<25	<25
Ethylbenzene	<25	<25	<25	<25	<25	<25
p & m-Xylene	<25	<25	<25	<25	<25	<25
Bromoform	<25	<25	<25	<25	<25	<25
1,1,2,2-Tetrachloroethane	<25	<25	<25	<25	<25	<25
o-Xylene	<25	<25	<25	<25	<25	<25
1,2,3-Trichloropropane	<25	<25	<25	<25	<25	<25
Isopropylbenzene	<25	<25	<25	<25	<25	<25
1,3,5-Trimethylbenzene	<25	<25	<25	<25	<25	<25
1,2,4-Trimethylbenzene	<25	<25	<25	<25	<25	<25
1,3-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,4-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,2-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,2,4-Trichlorobenzene	<25	<25	<25	<25	<25	<25
Naphthalene	<25	<25	<25	<25	<25	<25
1,2,3-Trichlorobenzene	<25	<25	<25	<25	<25	<25
2-Methylnaphthalene	<25	<25	<25	<25	<25	<25
TPH C_5-C_9	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500
TPH C_{10}-C_{15}	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

8/11/9/18

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	31-11	LCS-50	Meth_Bl	31-12	31-13	31-14
Project Number:	2143	2143	2143	2143	2143	2143
Lab File ID:	08090274	08090277	08090278	08090279	08090280	08090281
Received Date:	8/29/2008			8/29/2008	8/29/2008	8/29/2008
Analysis Date:	9/4/2008	9/4/2008	9/4/2008	9/4/2008	9/4/2008	9/4/2008
Analysis Time:	3:17	5:01	5:45	6:15	6:45	7:15
Units:	ng	% Recovery	ng	ng	ng	ng
COMPOUNDS						
Dichlorotetrafluoroethane (Freon 114)	<25	**92%**	<25	<25	<25	<25
Vinyl Chloride	<25	**80%**	<25	<25	<25	<25
Dichlorodifluoromethane (Freon 12)	<25	**104%**	<25	<25	<25	<25
Trichlorofluoromethane (Freon 11)	<25	**86%**	<25	<25	<25	<25
1,1-Dichloroethene	<25	**94%**	<25	<25	<25	<25
112-Trichlorotrifluoroethane (Fr.113)	<25	**113%**	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	**89%**	<25	<25	<25	<25
Methyl-t-butyl ether	<25	**91%**	<25	<25	<25	<25
1,1-Dichloroethane	<25	**97%**	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	**96%**	<25	<25	<25	<25
Chloroform	<25	**106%**	<25	<25	<25	<25
1,2-Dichloroethane	<25	**106%**	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	**110%**	<25	<25	<25	<25
Carbon Tetrachloride	<25	**111%**	<25	<25	<25	<25
Benzene	<25	**104%**	<25	<25	<25	<25
Trichloroethene	<25	**105%**	<25	<25	<25	<25
1,1,2-Trichloroethane	<25	**104%**	<25	<25	<25	<25
Toluene	<25	**95%**	<25	<25	<25	<25
1,2-Dibromoethane (EDB)	<25	**97%**	<25	<25	<25	<25
Tetrachloroethene	<25	**99%**	<25	<25	<25	<25
1,1,1,2-Tetrachloroethane	<25	**106%**	<25	<25	<25	<25
Chlorobenzene	<25	**98%**	<25	<25	<25	<25
Ethylbenzene	<25	**92%**	<25	<25	<25	<25
p & m-Xylene	<25	**89%**	<25	<25	<25	<25
Bromoform	<25	**100%**	<25	<25	<25	<25
1,1,2,2-Tetrachloroethane	<25	**108%**	<25	<25	<25	<25
o-Xylene	<25	**84%**	<25	<25	<25	<25
1,2,3-Trichloropropane	<25	**101%**	<25	<25	<25	<25
Isopropylbenzene	<25	**81%**	<25	<25	<25	<25
1,3,5-Trimethylbenzene	<25	**93%**	<25	<25	<25	<25
1,2,4-Trimethylbenzene	<25	**83%**	<25	<25	<25	<25
1,3-Dichlorobenzene	<25	**91%**	<25	<25	<25	<25
1,4-Dichlorobenzene	<25	**102%**	<25	<25	<25	<25
1,2-Dichlorobenzene	<25	**94%**	<25	<25	<25	<25
1,2,4-Trichlorobenzene	<25	**89%**	<25	<25	<25	<25
Naphthalene	<25	**84%**	<25	<25	<25	<25
1,2,3-Trichlorobenzene	<25	**97%**	<25	<25	<25	<25
2-Methylnaphthalene	<25	**91%**	<25	<25	<25	<25
TPH C_5-C_9	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500
TPH C_{10}-C_{15}	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500

Results in nanograms (ng). J – Estimated value below reported quantitation level. B = Detected in method blank.

11/9/08

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	31-15	31-16	31-17	31-18	31-18 D	31-20
Project Number:	2143	2143	2143	2143	2143	2143
Lab File ID:	08090282	08090283	08090284	08090285	08090286	08090287
Received Date:	8/29/2008	8/29/2008	8/29/2008	8/29/2008	8/29/2008	8/29/2008
Analysis Date:	9/4/2008	9/4/2008	9/4/2008	9/4/2008	9/4/2008	9/4/2008
Analysis Time:	7:45	8:15	8:45	9:15	9:45	10:15
Units:	ng	ng	ng	ng	ng	ng
COMPOUNDS						
Dichlorotetrafluoroethane (Freon 114)	<25	<25	<25	<25	<25	<25
Vinyl Chloride	<25	<25	<25	<25	<25	<25
Dichlorodifluoromethane (Freon 12)	<25	<25	<25	<25	<25	<25
Trichlorofluoromethane (Freon 11)	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
112-Trichlorotrifluoroethane (Fr.113)	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Methyl-t-butyl ether	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Chloroform	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	<25	<25	<25	<25	<25	<25
Benzene	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25	<25	<25
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Toluene	<25	<25	<25	<25	<25	<25
1,2-Dibromoethane (EDB)	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	<25	<25	<25
1,1,1,2-Tetrachloroethane	<25	<25	<25	<25	<25	<25
Chlorobenzene	<25	<25	<25	<25	<25	<25
Ethylbenzene	<25	<25	<25	<25	<25	<25
p & m-Xylene	<25	<25	<25	<25	<25	<25
Bromoform	<25	<25	<25	<25	<25	<25
1,1,2,2-Tetrachloroethane	<25	<25	<25	<25	<25	<25
o-Xylene	<25	<25	<25	<25	<25	<25
1,2,3-Trichloropropane	<25	<25	<25	<25	<25	<25
Isopropylbenzene	<25	<25	<25	<25	<25	<25
1,3,5-Trimethylbenzene	<25	<25	<25	<25	<25	<25
1,2,4-Trimethylbenzene	<25	<25	<25	<25	<25	<25
1,3-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,4-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,2-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,2,4-Trichlorobenzene	<25	<25	<25	<25	<25	<25
Naphthalene	<25	<25	<25	<25	<25	<25
1,2,3-Trichlorobenzene	<25	<25	<25	<25	<25	<25
2-Methylnaphthalene	<25	<25	<25	<25	<25	<25
TPH C_5-C_9	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500
TPH C_{10}-C_{15}	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank. 11/9/08

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	31-21	BG-02	Trip-2	MA-01	MA-02	MA-03
Project Number:	2143	2143	2143	2143	2143	2143
Lab File ID:	08090288	08090289	08090290	08090291	08090292	08090293
Received Date:	8/29/2008	8/29/2008	8/29/2008	8/29/2008	8/29/2008	8/29/2008
Analysis Date:	9/4/2008	9/4/2008	9/4/2008	9/4/2008	9/4/2008	9/4/2008
Analysis Time:	10:45	11:15	11:45	12:15	12:45	13:15
Units:	ng	ng	ng	ng	ng	ng
COMPOUNDS						
Dichlorotetrafluoroethane (Freon 114)	<25	<25	<25	<25	<25	<25
Vinyl Chloride	<25	<25	<25	<25	<25	<25
Dichlorodifluoromethane (Freon 12)	<25	<25	<25	<25	<25	<25
Trichlorofluoromethane (Freon 11)	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
112-Trichlorotrifluoroethane (Fr.113)	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Methyl-t-butyl ether	<25	**28**	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Chloroform	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	<25	<25	<25	<25	<25	<25
Benzene	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25	<25	<25
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Toluene	<25	<25	<25	<25	<25	<25
1,2-Dibromoethane (EDB)	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	<25	<25	<25
1,1,1,2-Tetrachloroethane	<25	<25	<25	<25	<25	<25
Chlorobenzene	<25	<25	<25	<25	<25	<25
Ethylbenzene	<25	<25	<25	<25	<25	<25
p & m-Xylene	<25	<25	<25	<25	<25	<25
Bromoform	<25	<25	<25	<25	<25	<25
1,1,2,2-Tetrachloroethane	<25	<25	<25	<25	<25	<25
o-Xylene	<25	<25	<25	<25	<25	<25
1,2,3-Trichloropropane	<25	<25	<25	<25	<25	<25
Isopropylbenzene	<25	<25	<25	<25	<25	<25
1,3,5-Trimethylbenzene	<25	<25	<25	<25	<25	<25
1,2,4-Trimethylbenzene	<25	<25	<25	<25	<25	<25
1,3-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,4-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,2-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,2,4-Trichlorobenzene	<25	<25	<25	<25	<25	<25
Naphthalene	<25	<25	<25	<25	<25	<25
1,2,3-Trichlorobenzene	<25	<25	<25	<25	<25	<25
2-Methylnaphthalene	<25	<25	<25	<25	<25	<25
TPH C_5-C_9	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500
TPH C_{10}-C_{15}	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

11/9/18

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	MA-04	MA-05	MA-05 D	LCS-50	Meth_Bl	MA-06
Project Number:	2143	2143	2143	2143	2143	2143
Lab File ID:	08090294	08090295	08090296	08090403	08090404	08090405
Received Date:	8/29/2008	8/29/2008	8/29/2008			8/29/2008
Analysis Date:	9/4/2008	9/4/2008	9/4/2008	9/4/2008	9/4/2008	9/4/2008
Analysis Time:	13:45	14:15	14:45	16:30	17:14	17:44
Units:	ng	ng	ng	% Recovery	ng	ng
COMPOUNDS						
Dichlorotetrafluoroethane (Freon 114)	<25	<25	<25	**86%**	<25	<25
Vinyl Chloride	<25	<25	<25	**93%**	<25	<25
Dichlorodifluoromethane (Freon 12)	<25	<25	<25	**106%**	<25	<25
Trichlorofluoromethane (Freon 11)	<25	<25	<25	**83%**	<25	<25
1,1-Dichloroethene	<25	<25	<25	**100%**	<25	<25
112-Trichlorotrifluoroethane (Fr.113)	<25	<25	<25	**110%**	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	**93%**	<25	<25
Methyl-t-butyl ether	<25	<25	<25	**98%**	<25	<25
1,1-Dichloroethane	<25	<25	<25	**103%**	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	**104%**	<25	<25
Chloroform	<25	<25	<25	**108%**	<25	<25
1,2-Dichloroethane	<25	<25	<25	**104%**	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	**111%**	<25	<25
Carbon Tetrachloride	<25	<25	<25	**112%**	<25	<25
Benzene	<25	<25	<25	**103%**	<25	<25
Trichloroethene	**1,588**	<25	<25	**110%**	<25	<25
1,1,2-Trichloroethane	<25	<25	<25	**114%**	<25	<25
Toluene	<25	<25	<25	**96%**	<25	<25
1,2-Dibromoethane (EDB)	<25	<25	<25	**100%**	<25	<25
Tetrachloroethene	**27**	<25	<25	**100%**	<25	<25
1,1,1,2-Tetrachloroethane	<25	<25	<25	**106%**	<25	<25
Chlorobenzene	<25	<25	<25	**99%**	<25	<25
Ethylbenzene	<25	<25	<25	**100%**	<25	<25
p & m-Xylene	<25	<25	<25	**98%**	<25	<25
Bromoform	<25	<25	<25	**111%**	<25	<25
1,1,2,2-Tetrachloroethane	<25	<25	<25	**103%**	<25	<25
o-Xylene	<25	<25	<25	**92%**	<25	<25
1,2,3-Trichloropropane	<25	<25	<25	**100%**	<25	<25
Isopropylbenzene	<25	<25	<25	**90%**	<25	<25
1,3,5-Trimethylbenzene	<25	<25	<25	**86%**	<25	<25
1,2,4-Trimethylbenzene	<25	<25	<25	**84%**	<25	<25
1,3-Dichlorobenzene	<25	<25	<25	**88%**	<25	<25
1,4-Dichlorobenzene	<25	<25	<25	**92%**	<25	<25
1,2-Dichlorobenzene	<25	<25	<25	**92%**	<25	<25
1,2,4-Trichlorobenzene	<25	<25	<25	**94%**	<25	<25
Naphthalene	<25	<25	<25	**88%**	<25	<25
1,2,3-Trichlorobenzene	<25	<25	<25	**91%**	<25	<25
2-Methylnaphthalene	<25	<25	<25	**82%**	<25	<25
TPH C_5-C_9	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500
TPH C_{10}-C_{15}	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	MA-07	MA-08	MA-09	MA-10	MA-11	MA-12
Project Number:	2143	2143	2143	2143	2143	2143
Lab File ID:	08090406	08090407	08090408	08090409	08090410	08090411
Received Date:	8/29/2008	8/29/2008	8/29/2008	8/29/2008	8/29/2008	8/29/2008
Analysis Date:	9/4/2008	9/4/2008	9/4/2008	9/4/2008	9/4/2008	9/4/2008
Analysis Time:	18:14	18:44	19:14	19:44	20:14	20:44
Units:	ng	ng	ng	ng	ng	ng
COMPOUNDS						
Dichlorotetrafluoroethane (Freon 114)	<25	<25	<25	<25	<25	<25
Vinyl Chloride	<25	<25	<25	<25	<25	<25
Dichlorodifluoromethane (Freon 12)	<25	<25	<25	<25	<25	<25
Trichlorofluoromethane (Freon 11)	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
112-Trichlorotrifluoroethane (Fr.113)	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Methyl-t-butyl ether	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Chloroform	<25	<25	<25	**57**	**28**	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	<25	<25	<25	<25	<25	<25
Benzene	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	**3,037**	**41**	<25
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Toluene	<25	<25	<25	<25	<25	<25
1,2-Dibromoethane (EDB)	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	<25	<25	<25
1,1,1,2-Tetrachloroethane	<25	<25	<25	<25	<25	<25
Chlorobenzene	<25	<25	<25	<25	<25	<25
Ethylbenzene	<25	<25	<25	<25	<25	<25
p & m-Xylene	<25	<25	<25	<25	<25	<25
Bromoform	<25	<25	<25	<25	<25	<25
1,1,2,2-Tetrachloroethane	<25	<25	<25	<25	<25	<25
o-Xylene	<25	<25	<25	<25	<25	<25
1,2,3-Trichloropropane	<25	<25	<25	<25	<25	<25
Isopropylbenzene	<25	<25	<25	<25	<25	<25
1,3,5-Trimethylbenzene	<25	<25	<25	<25	<25	<25
1,2,4-Trimethylbenzene	<25	<25	<25	<25	<25	<25
1,3-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,4-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,2-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,2,4-Trichlorobenzene	<25	<25	<25	<25	<25	<25
Naphthalene	<25	<25	<25	<25	<25	<25
1,2,3-Trichlorobenzene	<25	<25	<25	<25	<25	<25
2-Methylnaphthalene	<25	<25	<25	<25	<25	<25
TPH C_5-C_9	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500
TPH C_{10}-C_{15}	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	MA-13	MA-14	MA-16	MA-17	MA-18	MA-19
Project Number:	2143	2143	2143	2143	2143	2143
Lab File ID:	08090412	08090413	08090414	08090415	08090416	08090417
Received Date:	8/29/2008	8/29/2008	8/29/2008	8/29/2008	8/29/2008	8/29/2008
Analysis Date:	9/4/2008	9/4/2008	9/4/2008	9/4/2008	9/4/2008	9/4/2008
Analysis Time:	21:14	21:44	22:14	22:44	23:14	23:44
Units:	ng	ng	ng	ng	ng	ng
COMPOUNDS						
Dichlorotetrafluoroethane (Freon 114)	<25	<25	<25	<25	<25	<25
Vinyl Chloride	<25	<25	<25	<25	<25	<25
Dichlorodifluoromethane (Freon 12)	<25	<25	<25	<25	<25	<25
Trichlorofluoromethane (Freon 11)	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
112-Trichlorotrifluoroethane (Fr.113)	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Methyl-t-butyl ether	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Chloroform	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	<25	<25	<25	<25	<25	<25
Benzene	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	57	<25	<25	<25	<25
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Toluene	<25	<25	<25	<25	<25	<25
1,2-Dibromoethane (EDB)	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	<25	<25	<25
1,1,1,2-Tetrachloroethane	<25	<25	<25	<25	<25	<25
Chlorobenzene	<25	<25	<25	<25	<25	<25
Ethylbenzene	<25	<25	<25	<25	<25	<25
p & m-Xylene	<25	<25	<25	<25	<25	<25
Bromoform	<25	<25	<25	<25	<25	<25
1,1,2,2-Tetrachloroethane	<25	<25	<25	<25	<25	<25
o-Xylene	<25	<25	<25	<25	<25	<25
1,2,3-Trichloropropane	<25	<25	<25	<25	<25	<25
Isopropylbenzene	<25	<25	<25	<25	<25	<25
1,3,5-Trimethylbenzene	<25	<25	<25	<25	<25	<25
1,2,4-Trimethylbenzene	<25	<25	<25	<25	<25	<25
1,3-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,4-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,2-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,2,4-Trichlorobenzene	<25	<25	<25	<25	<25	<25
Naphthalene	<25	<25	<25	<25	<25	<25
1,2,3-Trichlorobenzene	<25	<25	<25	<25	<25	<25
2-Methylnaphthalene	<25	<25	<25	<25	<25	<25
TPH C_5-C_9	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500
TPH C_{10}-C_{15}	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

11/9/8

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	MA-20	MA-21	MA-22	MA-50	MA-51	LCS-50
Project Number:	2143	2143	2143	2143	2143	2143
Lab File ID:	08090418	08090419	08090420	08090421	08090422	08090425
Received Date:	8/29/2008	8/29/2008	8/29/2008	8/29/2008	8/29/2008	
Analysis Date:	9/5/2008	9/5/2008	9/5/2008	9/5/2008	9/5/2008	9/5/2008
Analysis Time:	0:14	0:44	1:14	1:44	2:14	3:58
Units:	ng	ng	ng	ng	ng	% Recovery
COMPOUNDS						
Dichlorotetrafluoroethane (Freon 114)	<25	<25	<25	<25	<25	**81%**
Vinyl Chloride	<25	<25	<25	<25	<25	**85%**
Dichlorodifluoromethane (Freon 12)	<25	<25	<25	<25	<25	**84%**
Trichlorofluoromethane (Freon 11)	<25	<25	<25	<25	<25	**83%**
1,1-Dichloroethene	<25	<25	<25	<25	<25	**96%**
112-Trichlorotrifluoroethane (Fr.113)	<25	<25	<25	<25	<25	**112%**
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	**85%**
Methyl-t-butyl ether	<25	<25	<25	<25	<25	**92%**
1,1-Dichloroethane	<25	<25	<25	<25	<25	**99%**
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	**94%**
Chloroform	<25	<25	<25	<25	<25	**103%**
1,2-Dichloroethane	<25	<25	<25	<25	<25	**106%**
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	**115%**
Carbon Tetrachloride	<25	<25	<25	<25	<25	**113%**
Benzene	<25	<25	<25	<25	<25	**103%**
Trichloroethene	<25	<25	<25	<25	<25	**107%**
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	**112%**
Toluene	<25	<25	<25	<25	<25	**91%**
1,2-Dibromoethane (EDB)	<25	<25	<25	<25	<25	**100%**
Tetrachloroethene	<25	<25	<25	<25	<25	**98%**
1,1,1,2-Tetrachloroethane	<25	<25	<25	<25	<25	**109%**
Chlorobenzene	<25	<25	<25	<25	<25	**94%**
Ethylbenzene	<25	<25	<25	<25	<25	**92%**
p & m-Xylene	<25	<25	<25	<25	<25	**88%**
Bromoform	<25	<25	<25	<25	<25	**108%**
1,1,2,2-Tetrachloroethane	<25	<25	<25	<25	<25	**107%**
o-Xylene	<25	<25	<25	<25	<25	**86%**
1,2,3-Trichloropropane	<25	<25	<25	<25	<25	**100%**
Isopropylbenzene	<25	<25	<25	<25	<25	**85%**
1,3,5-Trimethylbenzene	<25	<25	<25	<25	<25	**89%**
1,2,4-Trimethylbenzene	<25	<25	<25	<25	<25	**82%**
1,3-Dichlorobenzene	<25	<25	<25	<25	<25	**91%**
1,4-Dichlorobenzene	<25	<25	<25	<25	<25	**98%**
1,2-Dichlorobenzene	<25	<25	<25	<25	<25	**94%**
1,2,4-Trichlorobenzene	<25	<25	<25	<25	<25	**92%**
Naphthalene	<25	<25	<25	<25	<25	**86%**
1,2,3-Trichlorobenzene	<25	<25	<25	<25	<25	**96%**
2-Methylnaphthalene	<25	<25	<25	<25	<25	**90%**
TPH C_5-C_9	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500
TPH C_{10}-C_{15}	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

11/9/08

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	Meth_Bl	MA-52	MA-53	MA-54	BG-01	29-17
Project Number:	2143	2143	2143	2143	2143	2143
Lab File ID:	08090426	08090427	08090428	08090429	08090430	08090431
Received Date:		8/29/2008	8/29/2008	8/29/2008	8/29/2008	8/29/2008
Analysis Date:	9/5/2008	9/5/2008	9/5/2008	9/5/2008	9/5/2008	9/5/2008
Analysis Time:	4:42	5:12	5:42	6:12	6:42	7:12
Units:	ng	ng	ng	ng	ng	ng
COMPOUNDS						
Dichlorotetrafluoroethane (Freon 114)	<25	<25	<25	<25	<25	<25
Vinyl Chloride	<25	<25	<25	<25	<25	<25
Dichlorodifluoromethane (Freon 12)	<25	<25	<25	<25	<25	<25
Trichlorofluoromethane (Freon 11)	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
112-Trichlorotrifluoroethane (Fr.113)	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Methyl-t-butyl ether	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Chloroform	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	<25	<25	<25	<25	<25	<25
Benzene	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25	<25	<25
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Toluene	<25	<25	<25	<25	<25	<25
1,2-Dibromoethane (EDB)	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	<25	<25	<25
1,1,1,2-Tetrachloroethane	<25	<25	<25	<25	<25	<25
Chlorobenzene	<25	<25	<25	<25	<25	<25
Ethylbenzene	<25	<25	<25	<25	<25	<25
p & m-Xylene	<25	<25	<25	<25	<25	<25
Bromoform	<25	<25	<25	<25	<25	<25
1,1,2,2-Tetrachloroethane	<25	<25	<25	<25	<25	<25
o-Xylene	<25	<25	<25	<25	<25	<25
1,2,3-Trichloropropane	<25	<25	<25	<25	<25	<25
Isopropylbenzene	<25	<25	<25	<25	<25	<25
1,3,5-Trimethylbenzene	<25	<25	<25	<25	<25	<25
1,2,4-Trimethylbenzene	<25	<25	<25	<25	<25	<25
1,3-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,4-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,2-Dichlorobenzene	<25	<25	<25	<25	<25	<25
1,2,4-Trichlorobenzene	<25	<25	<25	<25	<25	<25
Naphthalene	<25	<25	<25	<25	<25	<25
1,2,3-Trichlorobenzene	<25	<25	<25	<25	<25	<25
2-Methylnaphthalene	<25	<25	<25	<25	<25	<25
TPH C_5-C_9	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500
TPH C_{10}-C_{15}	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

11/9/8

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

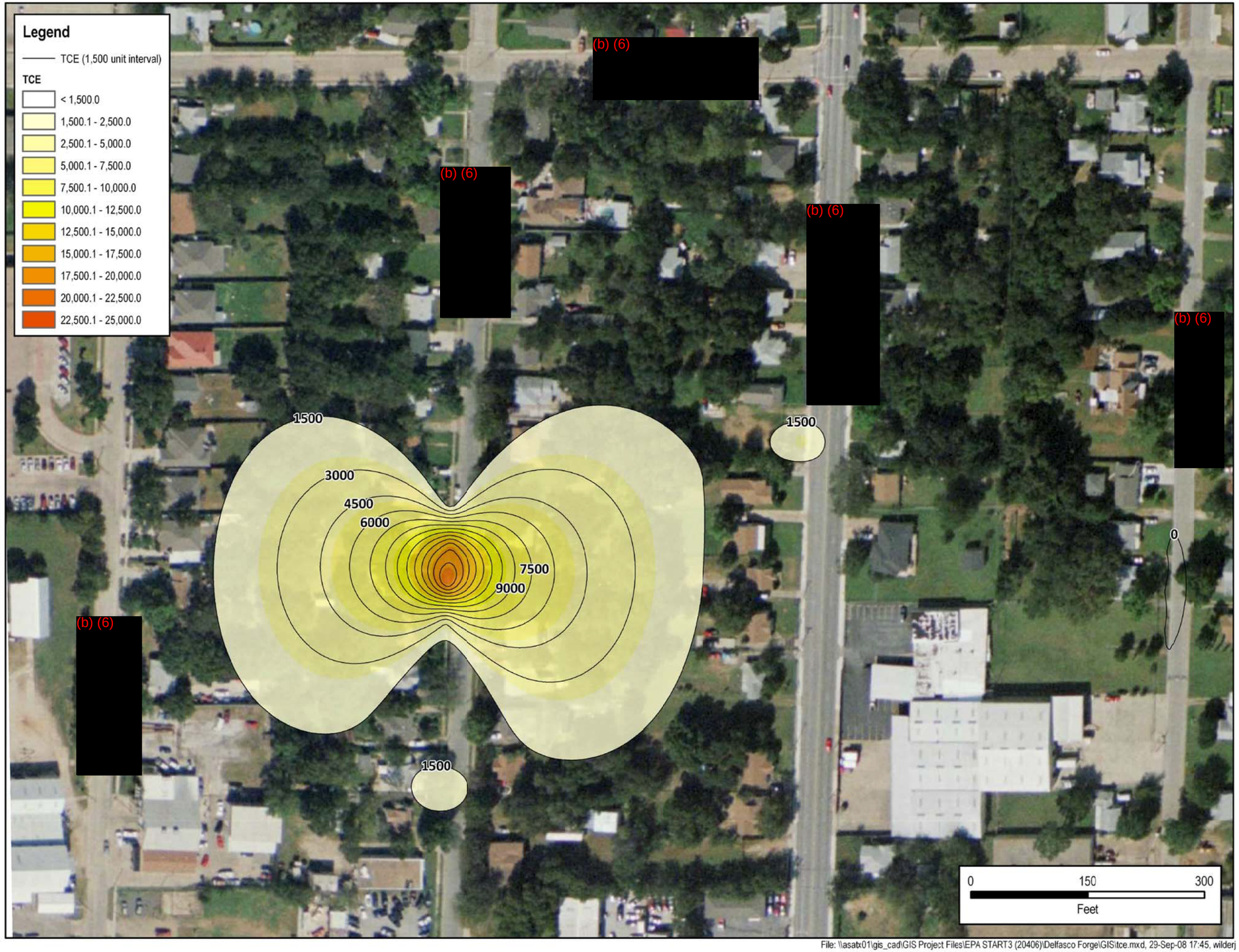
Client Sample ID:	29-18	31-08
Project Number:	2143	2143
Lab File ID:	08090432	08090433
Received Date:	8/29/2008	8/29/2008
Analysis Date:	9/5/2008	9/5/2008
Analysis Time:	7:42	8:32
Units:	ng	ng
COMPOUNDS		
Dichlorotetrafluoroethane (Freon 114)	<25	<25
Vinyl Chloride	<25	<25
Dichlorodifluoromethane (Freon 12)	<25	<25
Trichlorofluoromethane (Freon 11)	<25	<25
1,1-Dichloroethene	<25	<25
1,1,2-Trichlorotrifluoroethane (Fr.113)	<25	<25
trans-1,2-Dichloroethene	<25	<25
Methyl-t-butyl ether	<25	<25
1,1-Dichloroethane	<25	<25
cis-1,2-Dichloroethene	<25	<25
Chloroform	<25	<25
1,2-Dichloroethane	<25	<25
1,1,1-Trichloroethane	<25	<25
Carbon Tetrachloride	<25	<25
Benzene	<25	<25
Trichloroethene	<25	<25
1,1,2-Trichloroethane	<25	<25
Toluene	<25	<25
1,2-Dibromoethane (EDB)	<25	<25
Tetrachloroethene	<25	<25
1,1,1,2-Tetrachloroethane	<25	<25
Chlorobenzene	<25	<25
Ethylbenzene	<25	<25
p & m-Xylene	<25	<25
Bromoform	<25	<25
1,1,2,2-Tetrachloroethane	<25	<25
o-Xylene	<25	<25
1,2,3-Trichloropropane	<25	<25
Isopropylbenzene	<25	<25
1,3,5-Trimethylbenzene	<25	<25
1,2,4-Trimethylbenzene	<25	<25
1,3-Dichlorobenzene	<25	<25
1,4-Dichlorobenzene	<25	<25
1,2-Dichlorobenzene	<25	<25
1,2,4-Trichlorobenzene	<25	<25
Naphthalene	<25	<25
1,2,3-Trichlorobenzene	<25	<25
2-Methylnaphthalene	<25	<25
TPH C_5-C_9	<2,500	<2,500
TPH C_{10}-C_{15}	<2,500	<2,500

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

B 11/9/8

ATTACHMENT C

ISO-CONCENTRATION MAP



File: \\asatx01\gis_cad\GIS Project Files\EPA START3 (20406)\Delfasco Forge\GIS\tce.mxd, 29-Sep-08 17:45, wilderj

SOURCE: GLOBE EXPLORER, 2007.
CERCLIS: TXD988034328
TDD No.: TO-0005-08-07-01

US EPA REGION 6
START-3

ATTACHMENT C
ISO CONCENTRATION MAP (TETRACHLOROETHENE)

DELFASCO FORGE
114 NE 28TH STREET
GRAND PRAIRIE, DALLAS COUNTY, TEXAS

DATE:	W.O. #	SCALE:
FEB 09	20406.012.005.0321.01	AS SHOWN

H:□START III EPA□0321_Delfasco Forge□0204091353.dwg Feb 10, 2009 – 11:17am

ATTACHMENT D

COPY OF TDD NO. TO-0005-08-07-01 AND AMENDMENTS A AND B

EPA

U.S. EPA
Washington, DC 20460

START3
Technical Direction Document

Assessment/Inspections
Activities-Removal Funds (0005)
Weston Solutions, Inc.

TDD #: TO-0005-08-07-01
Contract: EP-W-06-042

! = required field

TDD Name:	Delfasco Forge Assessment	! Period:	Base Period
! Purpose:	Work Assignment Initiation		
! Priority:	High	! Start Date:	07/14/2008
Overtime:	Yes	! Completion Date:	09/01/2008
! Funding Category:	Removal Support	Invoice Unit:	
! Project/Site Name:	Delfasco Forge	WorkArea:	ASSESSMENT/INSPECTIONS ACTIVITIES
Project Address:	114 NE 28th St	Activity:	Removal Assessment (RA)
County:	Dallas	Work Area Code:	
City, State:	Grand Prairie, TX	Activity Code:	RS
Zip:	75050	EMERGENCY CODE:	☐ KAT ☐ RIT
! SSID:	A6H5	FPN:	
CERCLIS:	TXD988034328	Performance Based:	No
Operable Unit:			

Authorized TDD Ceiling:	Cost/Fee	LOE (Hours)
Previous Action(s):	$0.00	0.0
This Action:	$24,726.00	0.0
New Total:	$24,726.00	0.0

Specific Elements

Description of Work:
Assist the EPA OSC in determining the effectiveness, availability and appropriateness of the use of the membrane interface probe for use in the investigaton. Assist in identifying additional potential technologies. Prepare a sampling plan to determine the extent of the TCE soil vapor plume from the Site, using MIP or other technology. Conduct an assessment to determine the extent of the TCE soil vapor plume. Conduct an investigation or develop a colleration between the soild vapor plume and structures with TCE concentrations in the indoor air at or above 5 micrograms TCE per cubic meter. Obtain Access Agreements as needed. Prepare maps showing the appropriate isopleths. Photodocumentation, maintain log books, Health & Safety Plan. Conduct investigation to determine background levels of TCE, to include no less than 10 homes, 7 of which are peir and beam construction and 3 slab contruction, using summa canister methodology.

Accounting and Appropriation Information

SFO: 22

Line	DCN	IFMS	Budget/ FY	Appropriation Code	Budget Org Code	Program Element	Object Class	Site Project	Cost Org Code	Amount
1	RSC030	XXX	08	T	6A00S	302DC6C	2505	A6H5RS00	C001	$24,726.00

Funding Summary:	Funding
Previous:	$0.00
This Action:	$24,726.00
Total:	$24,726.00

Funding Category
Removal Support

Section

- Signed by Greg Fife/R6/USEPA/US on 07/10/2008 12:01:12 PM, according to Phyllis Caldwell/start6/rfw-s

: Greg Fife **Date:** 07/10/2008

Project Officer Section - Signed by Linda Carter/R6/USEPA/US on 07/10/2008 05:07:30 PM, according to Phy

Project Officer: Linda Carter **Date:** 07/10/2008

Contracting Officer Section - Signed by Cora Stanley/R6/USEPA/US on 07/14/2008 11:14:42 AM, according t

Contracting Officer: Cora Stanley **Date:** 07/14/2008

Contractor Section

Contractor Contact: **Date:**

EPA

U.S. EPA
Washington, DC 20460

START3
Technical Direction Document

Assessment/Inspections
Activities-Removal Funds (0005)
Weston Solutions, Inc.

TDD #: TO-0005-08-07-01
Amendment#:A
Contract: EP-W-06-042

! = required field

TDD Name:	Delfasco Forge Assessment	! Period:	Base Period
! Purpose:	Change Period of Performance		
! Priority:	High	! Start Date:	07/14/2008
Overtime:	Yes	! Completion Date:	01/23/2009
! Funding Category:	Removal Support	Invoice Unit:	
! Project/Site Name:	Delfasco Forge	WorkArea:	ASSESSMENT/INSPECTIONS ACTIVITIES
Project Address:	114 NE 28th St	Activity:	Removal Assessment (RA)
County:	Dallas	Work Area Code:	
City, State:	Grand Prairie, TX	Activity Code:	RS
Zip:	75050	EMERGENCY CODE:	☐ KAT ☐ RIT
! SSID:	A6H5	FPN:	
CERCLIS:	TXD988034328	Performance Based:	No
Operable Unit:			

Authorized TDD Ceiling:	Cost/Fee	LOE (Hours)
Previous Action(s):	$24,726.00	0.0
This Action:	$25,274.00	0.0
New Total:	$50,000.00	0.0

Specific Elements

Description of Work:
This amendment A adds additional funds and increases the period of performance. Additional work is expected due to the increase in Agency expectations. Assist the EPA OSC in determining the effectiveness, availability and appropriateness of the use of the membrane interface probe for use in the investigaton. Assist in identifying additional potential technologies. Prepare a sampling plan to determine the extent of the TCE soil vapor plume from the Site, using MIP or other technology. Conduct an assessment to determine the extent of the TCE soil vapor plume. Conduct an investigation or develop a colleration between the soild vapor plume and structures with TCE concentrations in the indoor air at or above 5 micrograms TCE per cubic meter. Obtain Access Agreements as needed. Prepare maps showing the appropriate isopleths. Photodocumentation, maintain log books, Health & Safety Plan. Conduct investigation to determine background levels of TCE, to include no less than 10 homes, 7 of which are peir and beam construction and 3 slab contruction, using summa canister methodology.

Accounting and Appropriation Information

SFO: 22

Line	DCN	IFMS	Budget/ FY	Appropriation Code	Budget Org Code	Program Element	Object Class	Site Project	Cost Org Code	Amount
1	RVC052	XXX	08	T	6A00E	302DC6C	2505	A6H5RS00	C001	$25,274.00

Funding Summary:	Funding
Previous:	$24,726.00
This Action:	$25,274.00
Total:	

Funding Category
Removal Support
Removal

	$50,000.00

Section

- Signed by Greg Fife/R6/USEPA/US on 08/06/2008 10:24:07 AM, according to Cheng Wei Feng/start6/rf

: Greg Fife **Date:** 08/06/2008

Project Officer Section - Signed by Linda Carter/R6/USEPA/US on 08/06/2008 02:09:27 PM, according to Cl

Project Officer: Linda Carter **Date:** 08/06/2008

Contracting Officer Section - Signed by Cora Stanley/R6/USEPA/US on 08/06/2008 02:58:21 PM, according

Contracting Officer: Cora Stanley **Date:** 08/06/2008

Contractor Section

Contractor Contact: **Date:**

EPA

U.S. EPA
Washington, DC 20460

START3
Technical Direction Document

Assessment/Inspections
Activities-Removal Funds (0005)
Weston Solutions, Inc.

TDD #: TO-0005-08-07-01
Amendment#:B
Contract: EP-W-06-042

! = required field

TDD Name:	Delfasco Forge Assessment	! Period:	Base Period
! Purpose:	Change Period of Performance		
! Priority:	High	! Start Date:	07/14/2008
Overtime:	Yes	! Completion Date:	02/20/2009
! Funding Category:	Removal Support	Invoice Unit:	
! Project/Site Name:	Delfasco Forge	WorkArea:	ASSESSMENT/INSPECTIONS ACTIVITIES
Project Address:	114 NE 28th St	Activity:	Removal Assessment (RA)
County:	Dallas	Work Area Code:	
City, State:	Grand Prairie, TX	Activity Code:	RS
Zip:	75050	EMERGENCY CODE:	☐ KAT ☐ RIT
! SSID:	A6H5	FPN:	
CERCLIS:	TXD988034328	Performance Based:	No
Operable Unit:			

Authorized TDD Ceiling:	Cost/Fee	LOE (Hours)
Previous Action(s):	$50,000.00	0.0
This Action:	$0.00	0.0
New Total:	$50,000.00	0.0

Specific Elements

Description of Work:

This amendment B changes the completion date. The contractor personnel working on this TDD were also working on another that was given a higher priority and conditions beyond the control of the contractor resulted in more work than anticipated.

This amendment A adds additional funds and increases the period of performance. Additional work is expected due to the increase in Agency expectations. Assist the EPA OSC in determining the effectiveness, availability and appropriateness of the use of the membrane interface probe for use in the investigaton. Assist in identifying additional potential technologies. Prepare a sampling plan to determine the extent of the TCE soil vapor plume from the Site, using MIP or other technology. Conduct an assessment to determine the extent of the TCE soil vapor plume. Conduct an investigation or develop a colleration between the soild vapor plume and structures with TCE concentrations in the indoor air at or above 5 micrograms TCE per cubic meter. Obtain Access Agreements as needed. Prepare maps showing the appropriate isopleths. Photodocumentation, maintain log books, Health & Safety Plan. Conduct investigation to determine background levels of TCE, to include no less than 10 homes, 7 of which are peir and beam construction and 3 slab contruction, using summa canister methodology.

Accounting and Appropriation Information

SFO:

Line	DCN	IFMS	Budget/ FY	Appropriation Code	Budget Org Code	Program Element	Object Class	Site Project	Cost Org Code	Amount
1										$0.00

Funding Summary:	Funding
Previous:	$50,000.00

Funding Category
Removal Support

This Action:	$0.00
Total:	$50,000.00

Section

- Signed by Greg Fife/R6/USEPA/US on 01/23/2009 08:55:50 AM, according to Cheng Wei Feng/start6/rf

: Greg Fife **Date:** 01/23/2009

Project Officer Section - Signed by Linda Carter/R6/USEPA/US on 01/28/2009 06:37:09 AM, according to Cl

Project Officer: Linda Carter **Date:** 01/23/2009

Contracting Officer Section - Signed by Cora Stanley/R6/USEPA/US on 01/27/2009 11:13:17 AM, according

Contracting Officer: Cora Stanley **Date:** 01/27/2009

Contractor Section

Contractor Contact: **Date:**