AMRO Environmental Laboratories Corporation

111 Herrick Street, Merrimack, NH 03054
TEL: (603) 424-2022 • FAX: (603) 429-8496
www.amrolabs.com

May 25, 2007

ANALYTICAL TEST RESULTS

RECEIVED
MAY 30 2007
GEI CONSULTANTS, INC.

Raymond Siegener
GEI Consultants, Inc.
400 Unicorn Park Drive
Woburn, MA 01801
TEL: (781) 721-4098
FAX: (781) 721-4073

Subject: 00291-4 DCR Canton Airport

Workorder No.: 0705051

Dear Raymond Siegener:

AMRO Environmental Laboratories Corp. received 4 samples on 5/8/07 for the analyses presented in the following report.

AMRO is accredited in accordance with NELAC and certifies that these test results meet all the requirements of NELAC, where applicable, unless otherwise noted in the case narrative.

The enclosed Sample Receipt Checklist details the condition of your sample(s) upon receipt. Please be advised that any unused sample volume and sample extracts will be stored for a period of 60 days from sample receipt date (90 days for samples from New York). After this time, AMRO will properly dispose of the remaining sample(s). If you require further analysis, or need the samples held for a longer period, please contact us immediately.

This report consists of a total of 18 pages. This letter is an integral part of your data report. All results in this project relate only to the sample(s) as received by the laboratory and documented in the Chain-of-Custody. This report shall not be reproduced except in full, without the written approval of the laboratory. If you have any questions regarding this project in the future, please refer to the Workorder Number above.

Sincerely,

Nancy Stewart
Vice President

State Certifications: NH (NELAC): 1001, MA: M-NH012, CT: PH-0758, NY: 11278 (NELAC), ME: NH012 and 1001, NJ: NH125, RI: 00105, U.S. Army Corps of Engineers (USACE), Naval Facilities Engineering Service Center (NFESC).

Hard copy of the State Certification is available upon request.

AMRO Environmental Laboratories Corp.

Date: *25-May-07*

CLIENT: GEI Consultants, Inc.
Project: 00291-4 DCR Canton Airport
Lab Order: 0705051
Date Received: 5/8/07

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Collection Date	Collection Time
0705051-01A	002914-SS144-EPH	5/7/07	3:30 PM
0705051-02A	002914-TP107-EPH	5/7/07	3:45 PM
0705051-03A	002914-B110(MW)-EPH	5/7/07	4:00 PM
0705051-04A	002914-B111(MW)-EPH	5/7/07	4:20 PM

AMRO Environmental Laboratories Corp.

25-May-07

Lab Order: 0705051
Client: GEI Consultants, Inc.
Project: 00291-4 DCR Canton Airport

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Analytical Test Name / Preparatory Test Name	Prep Date	Analysis Date / Batch ID	TCLP Date
0705051-01A	002914-SS144-EPH	5/7/07 3:30:00 PM	Soil	EPH 1.1, Soil, Diesel Targets		5/24/07	
				SOPREP AUTOSOXHLET: EPH	5/14/07	17093	
				EPH 1.1, Soil, Diesel Targets		5/24/07	
					5/14/07	17093	
				Percent Moisture		5/14/07	
						R36761	
0705051-02A	002914-TP107-EPH	5/7/07 3:45:00 PM		EPH 1.1, Soil, Diesel Targets		5/24/07	
				SOPREP AUTOSOXHLET: EPH	5/14/07	17093	
				EPH 1.1, Soil, Diesel Targets		5/24/07	
					5/14/07	17093	
				Percent Moisture		5/14/07	
						R36761	
0705051-03A	002914-B110(MW)-EPH	5/7/07 4:00:00 PM		EPH 1.1, Soil, Diesel Targets		5/24/07	
				SOPREP AUTOSOXHLET: EPH	5/21/07	17130	
				EPH 1.1, Soil, Diesel Targets		5/24/07	
					5/21/07	17130	
				Percent Moisture		5/14/07	
						R36761	
0705051-04A	002914-B111(MW)-EPH	5/7/07 4:20:00 PM		EPH 1.1, Soil, Diesel Targets		5/25/07	
				SOPREP AUTOSOXHLET: EPH	5/21/07	17130	
				EPH 1.1, Soil, Diesel Targets		5/25/07	
					5/21/07	17130	
				Percent Moisture		5/14/07	
						R36761	

Chain-of-Custody Record

Laboratory: AMRO

Laboratory Job # (Lab use only) 0705051

GEI Consultants
400 Unicorn Park Drive
Woburn, MA 01801
PH: 781.721.4000
FX: 781.721.4073

Project Information

Project Name: DCR Canton Airport
Project Location: Canton, MA
Project Number: 00291-4
Project Manager: Saskia Oosting
Send Report to: Saskia Oosting
Send EDD to: labdata@geiconsultants.com

Page _1_ of __

MCP PRESUMPTIVE CERTAINTY REQUIRED – **YES** NO

If Yes, Are MCP Analytical Methods Required? **YES** NO NA
If Yes, Are Drinking Water Samples Submitted? YES **NO** NA
If Yes, Have You Met Minimum Field QC Requirements? **YES** NO NA

Sample Handling: Samples Field Filtered YES NO **NA**; Sampled Shipped With Ice **YES** NO

Lab Sample Number	GEI Sample ID	Collection Date	Collection Time	Matrix	No. of Bottles	Sampler(s) Initials	Preservative	Analysis: EPH (fractions only)							Sample Specific Remarks
	002914-SS144-EPH	5/7/2007	15:30	Soil	1	BA		X							
	002914-TP107-EPH	5/7/2007	15:45	Soil	1	AH		X							
	002914-B110(MW)-EPH	5/7/2007	16:00	Soil	1	BA		X							
	002914-B111(MW)-EPH	5/7/2007	16:20	Soil	1	AH		X							

MCP Level Needed: GEI requires the most stringent Method 1 MCP standard be met for all analytes whenever possible.

Relinquished by: (signature)	Date	Time	Received by: (signature)
1. [signature]	5/7/07	1900	1. GEI Fridge
2. GEI fridge	5/8/07	946	2. Andrea Igo
3. Andrea Igo	5/8/07	0946	3. [signature]
4. [signature]	5/8/07	1200	4. [signature]

Turnaround Time (Business days):
Normal _X_ Other ____
10-Day ____ 7-Day ____
5-Day ____ 3-Day ____

Before submitting rush turnaround samples, you **must** notify the laboratory to confirm that the TAT can be achieved.

Additional Requirements/Comments/Remarks:
Pricing per "AMRO Environmental Laboratories Corporation, Price Book 2006 for GEI" DCR Contract Rates

AMRO Environmental Laboratories Corporation

SAMPLE RECEIPT CHECKLIST

111 Herrick Street
Merrimack, NH 03054
(603) 424-2022

Client: GEI CONSULTANTS
Project Name: DCR CANTON AIRPORT
Ship via: (circle one) Fed Ex., UPS, (AMRO Courier,) Hand Del., Other Courier, Other:

AMRO ID: 0705051
Date Rec.: 5-8-07
Date Due: 5-15-07

Items to be Checked Upon Receipt	Yes	No	NA	Comments
1. Army Samples received in individual plastic bags?			✓	
2. Custody Seals present?			✓	
3. Custody Seals Intact?			✓	
4. Air Bill included in folder if received?			✓	
5. Is COC included with samples?	✓			
6. Is COC signed and dated by client?	✓			
7. Laboratory receipt temperature. TEMP = 6°				
Samples rec. with ice ✓ ice packs___ neither___				
8. Were samples received the same day they were sampled?		✓		
Is client temperature 4°C ± 2°C?	✓			
If no obtain authorization from the client for the analyses.				
Client authorization from: Date: Obtained by:				
9. Is the COC filled out correctly and completely?	✓			
10. Does the info on the COC match the samples?	✓			
11. Were samples rec. within holding time?	✓			
12. Were all samples properly labeled?	✓			
13. Were all samples properly preserved?	✓			
14. Were proper sample containers used?	✓			
15. Were all samples received intact? (none broken or leaking)	✓			
16. Were VOA vials rec. with no air bubbles?			✓	
17. Were the sample volumes sufficient for requested analysis?	✓			
18. Were all samples received?	✓			
19. VPH and VOA Soils only:			✓	
Sampling Method VPH (circle one): M=Methanol, E=EnCore (air-tight container)				
Sampling Method VOA (circle one): M=Methanol, SB=Sodium Bisulfate, E=EnCore, B=Bulk				
If M or SB:				
Does preservative cover the soil?				
If NO then client must be faxed.				
Does preservation level come close to the fill line on the vial?				
If NO then client must be faxed.				
Were vials provided by AMRO?				
If NO then weights MUST be obtained from client				
Was dry weight aliquot provided?				
If NO then fax client and inform the VOA lab ASAP.				
20. Subcontracted Samples:			✓	
What samples sent:				
Where sent:				
Date:				
Analysis:				
TAT:				
21. Information entered into:				
Internal Tracking Log?	✓			
Dry Weight Log?	✓			
Client Log?			✓	
Composite Log?			✓	
Filtration Log?			✓	

Received By: MG Date: 5-8-07 Logged in By: CC Date: 5-9-07
Labeled By: CC Date: 5-9-07 Checked By: MG Date: 5-10-07

NA= Not Applicable

CLIENT: GEI Consultants, Inc.
Project: 00291-4 DCR Canton Airport
Lab Order: 0705051

CASE NARRATIVE

MADEP-EPH1.1:

1. AMRO Laboratory analyzed EPH using the GC/MS option as indicated in the MADEP EPH Rev.1.1, Section 9.10 May 2004.

2. The recovery for the surrogates 1-Chlorooctadecane and o-Terphenyl was below the laboratory control limits in sample 002914-TP107-EPH (0705051-02).

3. One Aliphatic compound recovered outside the control limits (+/- 20%) in opening Continuing Calibration Verification Standard analyzed on 05/23/07. One Aliphatic and nine Aromatic compounds recovered outside the control limits (+/- 20%) in closing Continuing Calibration Verification Standard analyzed on 05/23/07. Please refer to the Calibration Summary in the EPH section.

4. Only Hydrocarbon ranges are reported per client request.

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: AMRO Environmental Laboratories, Inc. Project Number: 0705051

Project Location: 00291-4 DCR Canton Airport MADEP RTN [1]

0705051-01	0705051-02	0705051-03	0705051-04			

Sample Matrices:	Ground Water ☐	Soil / Sediment ☑	Drinking Water ☐	OtherMatrix ☐	
MCP SW-846 Methods Used	8260B ☐	8151A ☐	8330 ☐	6010B ☐	7470A/1A ☐
	8270C ☐	8081A ☐	VPH ☐	6020 ☐	9014M [2] ☐
As specified in MADEP Compendium of Analytical Methods (check all that apply)	8082 ☐	8021B ☐	EPH ☑	7000S [3] ☐	Other ☐

1 List Release Tracking Number (RTN) if known
2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S SW-846 Methods 7000 Series List individual method analyte.

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	◉ Yes ○ No [1]
B	Were all QA/QC procedures required for the specified analytical method(s)included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guide lines?	◉ Yes ○ No [1]
C	Does the analytical data included in this report meet all the requirements for Presumptive Certainty, as described in Section 2.0 of the MADEP document CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	◉ Yes ○ No [1]
D	**VPH and EPH methods only:** Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	◉ Yes ○ No [1]

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified methods achieved?	○ Yes ◉ No [1]
F	Were results for all analyte-list compounds / elements for the specified method(s) reported?	○ Yes ◉ No [1]

[1] All NO answers must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inqury of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Nancy Stewart **Position:** Vice President

Printed Name: Nancy Stewart **Date:** 5-25-07

DATA COMMENT PAGE

Organic Data Qualifiers

ND	Indicates compound was analyzed for, but not detected at or above the reporting limit.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than the method detection limit.
H	Method prescribed holding time exceeded.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
B	This flag is used when the analyte is found in the associated blank as well as in the sample.
R	RPD outside accepted recovery limits
RL	Reporting limit; defined as the lowest concentration the laboratory can accurately quantitate.
S	Spike Recovery outside accepted recovery limits.
#	See Case Narrative

Micro Data Qualifiers

TNTC	Too numerous to count

Inorganic Data Qualifiers

ND or U	Indicates element was analyzed for, but not detected at or above the reporting limit.
J	Indicates a value greater than or equal to the method detection limit, but less than the quantitation limit.
H	Indicates analytical holding time exceedance.
B	Indicates that the analyte is found in the associated blank, as well as in the sample.
MSA	Indicates value determined by the Method of Standard Addition
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
R	RPD outside accepted recovery limits
RL	Reporting limit; defined as the lowest concentration the laboratory can accurately quantitate.
S	Spike Recovery outside accepted recovery limits.
W	Post-digestion spike for Furnace AA analysis is out of control limits (85-115), while sample absorbance is less than 50% of spike absorbance.
*	Duplicate analysis not within control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995
#	See Case Narrative

Report Comments:

1. Soil, sediment and sludge sample results are reported on a "dry weight" basis.
2. Reporting limits are adjusted for sample size used, dilutions and moisture content, if applicable.

AMRO Environmental Laboratories Corp.

Date: *25-May-07*

CLIENT: GEI Consultants, Inc.
Project: 00291-4 DCR Canton Airport
Lab Order: 0705051

Lab ID: 0705051-01
Collection Date: 5/7/07 3:30:00 PM
Collection Time:
Client Sample ID: 002914-SS144-EPH
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MADEP EPH REVISION 1.1		**MAEPH**				Analyst: **KT**
C9-C18 Aliphatic Hydrocarbons	ND	17		mg/Kg-dry	1	5/24/07 4:58:00 PM
C19-C36 Aliphatic Hydrocarbons	51	17		mg/Kg-dry	1	5/24/07 4:58:00 PM
C11-C22 Aromatic Hydrocarbons	18	17		mg/Kg-dry	1	5/24/07 5:33:00 PM
Surr: 1-Chlorooctadecane	43.4	40-140		%REC	1	5/24/07 4:58:00 PM
Surr: 2-Bromonaphthalene	90.8	40-140		%REC	1	5/24/07 5:33:00 PM
Surr: 2-Fluorobiphenyl	93.4	40-140		%REC	1	5/24/07 5:33:00 PM
Surr: o-Terphenyl	61.0	40-140		%REC	1	5/24/07 5:33:00 PM
PERCENT MOISTURE		**D2216**				Analyst: **CB**
Percent Moisture	41.6	0		wt%	1	5/14/07

Lab ID: 0705051-02
Collection Date: 5/7/07 3:45:00 PM
Collection Time:
Client Sample ID: 002914-TP107-EPH
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MADEP EPH REVISION 1.1		**MAEPH**				Analyst: **KT**
C9-C18 Aliphatic Hydrocarbons	ND	20		mg/Kg-dry	1	5/24/07 2:41:00 PM
C19-C36 Aliphatic Hydrocarbons	ND	20		mg/Kg-dry	1	5/24/07 2:41:00 PM
C11-C22 Aromatic Hydrocarbons	ND	20		mg/Kg-dry	1	5/24/07 3:15:00 PM
Surr: 1-Chlorooctadecane	22.4	40-140	S	%REC	1	5/24/07 2:41:00 PM
Surr: 2-Bromonaphthalene	86.8	40-140		%REC	1	5/24/07 3:15:00 PM
Surr: 2-Fluorobiphenyl	85.2	40-140		%REC	1	5/24/07 3:15:00 PM
Surr: o-Terphenyl	32.2	40-140	S	%REC	1	5/24/07 3:15:00 PM
PERCENT MOISTURE		**D2216**				Analyst: **CB**
Percent Moisture	50.3	0		wt%	1	5/14/07

AMRO Environmental Laboratories Corp.

Date: *25-May-07*

CLIENT: GEI Consultants, Inc.
Project: 00291-4 DCR Canton Airport
Lab Order: 0705051

Lab ID: 0705051-03
Collection Date: 5/7/07 4:00:00 PM
Collection Time:
Client Sample ID: 002914-B110(MW)-EPH
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MADEP EPH REVISION 1.1		**MAEPH**				Analyst: **KT**
C9-C18 Aliphatic Hydrocarbons	ND	12		mg/Kg-dry	1	5/24/07 3:50:00 PM
C19-C36 Aliphatic Hydrocarbons	ND	12		mg/Kg-dry	1	5/24/07 3:50:00 PM
C11-C22 Aromatic Hydrocarbons	ND	12		mg/Kg-dry	1	5/24/07 4:24:00 PM
Surr: 1-Chlorooctadecane	40.8	40-140		%REC	1	5/24/07 3:50:00 PM
Surr: 2-Bromonaphthalene	85.6	40-140		%REC	1	5/24/07 4:24:00 PM
Surr: 2-Fluorobiphenyl	88.7	40-140		%REC	1	5/24/07 4:24:00 PM
Surr: o-Terphenyl	52.9	40-140		%REC	1	5/24/07 4:24:00 PM
PERCENT MOISTURE		**D2216**				Analyst: **CB**
Percent Moisture	17.2	0		wt%	1	5/14/07

Lab ID: 0705051-04
Collection Date: 5/7/07 4:20:00 PM
Collection Time:
Client Sample ID: 002914-B111(MW)-EPH
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MADEP EPH REVISION 1.1		**MAEPH**				Analyst: **KT**
C9-C18 Aliphatic Hydrocarbons	ND	15		mg/Kg-dry	1	5/25/07 10:12:00 AM
C19-C36 Aliphatic Hydrocarbons	ND	15		mg/Kg-dry	1	5/25/07 10:12:00 AM
C11-C22 Aromatic Hydrocarbons	140	15		mg/Kg-dry	1	5/25/07 10:46:00 AM
Surr: 1-Chlorooctadecane	54.0	40-140		%REC	1	5/25/07 10:12:00 AM
Surr: 2-Bromonaphthalene	93.2	40-140		%REC	1	5/25/07 10:46:00 AM
Surr: 2-Fluorobiphenyl	74.8	40-140		%REC	1	5/25/07 10:46:00 AM
Surr: o-Terphenyl	78.7	40-140		%REC	1	5/25/07 10:46:00 AM
PERCENT MOISTURE		**D2216**				Analyst: **CB**
Percent Moisture	36.6	0		wt%	1	5/14/07

AMRO Environmental Laboratories Corp.

Date: *25-May-07*

CLIENT: GEI Consultants, Inc.
Work Order: 0705051
Project: 00291-4 DCR Canton Airport

QC SUMMARY REPORT

Method Blank

Sample ID **mb-17093** Batch ID: **17093** Test Code: **MAEPH** Units: **mg/Kg** Analysis Date **5/18/07 7:04:00 PM** Prep Date **5/14/07**
Client ID: Run ID: **SV-3_070518A** SeqNo: **610365**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
C9-C18 Aliphatic Hydrocarbons	ND	10	mg/Kg									
C19-C36 Aliphatic Hydrocarbons	ND	10	mg/Kg									
Surr: 1-Chlorooctadecane	1.372	0.10	mg/Kg	2	0	68.6	40	140	0			

Sample ID **mb-17093** Batch ID: **17093** Test Code: **MAEPH** Units: **mg/Kg** Analysis Date **5/18/07 7:38:00 PM** Prep Date **5/14/07**
Client ID: Run ID: **SV-3_070518A** SeqNo: **610366**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
C11-C22 Aromatic Hydrocarbons	ND	10	mg/Kg									
Surr: 2-Bromonaphthalene	2.004	0.10	mg/Kg	2	0	100	40	140	0			
Surr: 2-Fluorobiphenyl	2.023	0.10	mg/Kg	2	0	101	40	140	0			
Surr: o-Terphenyl	1.678	0.10	mg/Kg	2	0	83.9	40	140	0			

Sample ID **mb-17130** Batch ID: **17130** Test Code: **MAEPH** Units: **mg/Kg** Analysis Date **5/24/07 11:15:00 AM** Prep Date **5/21/07**
Client ID: Run ID: **SV-3_070523A** SeqNo: **611553**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
C9-C18 Aliphatic Hydrocarbons	ND	10	mg/Kg									
C19-C36 Aliphatic Hydrocarbons	ND	10	mg/Kg									
Surr: 1-Chlorooctadecane	1.619	0.10	mg/Kg	2	0	81	40	140	0			

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
NA - Not applicable where J values or ND results occur

AMRO Environmental Laboratories Corp.

Date: *25-May-07*

CLIENT: GEI Consultants, Inc.
Work Order: 0705051
Project: 00291-4 DCR Canton Airport

QC SUMMARY REPORT

Method Blank

Sample ID mb-17130 Batch ID: 17130 Test Code: MAEPH Units: mg/Kg Analysis Date 5/24/07 11:50:00 AM Prep Date 5/21/07
Client ID: Run ID: SV-3_070523A SeqNo: 611554

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
C11-C22 Aromatic Hydrocarbons	ND	10	mg/Kg									
Surr: 2-Bromonaphthalene	1.692	0.10	mg/Kg	2	0	84.6	40	140	0			
Surr: 2-Fluorobiphenyl	1.81	0.10	mg/Kg	2	0	90.5	40	140	0			
Surr: o-Terphenyl	1.898	0.10	mg/Kg	2	0	94.9	40	140	0			

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
NA - Not applicable where J values or ND results occur

AMRO Environmental Laboratories Corp.

Date: *25-May-07*

CLIENT: GEI Consultants, Inc.
Work Order: 0705051
Project: 00291-4 DCR Canton Airport

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID **lcs-17093** Batch ID: **17093** Test Code: **MAEPH** Units: **mg/Kg** Analysis Date **5/18/07 8:12:00 PM** Prep Date **5/14/07**
Client ID: Run ID: **SV-3_070518A** SeqNo: **610367**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
n-Decane	1.634	0.10	mg/Kg	2.5	0	65.3	40	140	0			
n-Docosane	2.303	0.10	mg/Kg	2.5	0	92.1	40	140	0			
n-Dodecane	1.75	0.10	mg/Kg	2.5	0	70	40	140	0			
n-Eicosane	2.224	0.10	mg/Kg	2.5	0	88.9	40	140	0			
n-Hexacosane	2.408	0.10	mg/Kg	2.5	0	96.3	40	140	0			
n-Hexadecane	2.03	0.10	mg/Kg	2.5	0	81.2	40	140	0			
n-Hexatriacontane	1.741	0.10	mg/Kg	2.5	0	69.6	40	140	0			
n-Nonadecane	2.306	0.10	mg/Kg	2.5	0	92.2	40	140	0			
n-Nonane	1.232	0.10	mg/Kg	2.5	0	49.3	30	140	0			
n-Octacosane	2.406	0.10	mg/Kg	2.5	0	96.2	40	140	0			
n-Octadecane	2.235	0.10	mg/Kg	2.5	0	89.4	40	140	0			
n-Tetracosane	2.314	0.10	mg/Kg	2.5	0	92.6	40	140	0			
n-Tetradecane	1.96	0.10	mg/Kg	2.5	0	78.4	40	140	0			
n-Triacontane	2.063	0.10	mg/Kg	2.5	0	82.5	40	140	0			
Surr: 1-Chlorooctadecane	1.276	0.10	mg/Kg	2	0	63.8	40	140	0			

Sample ID **lcs-17093** Batch ID: **17093** Test Code: **MAEPH** Units: **mg/Kg** Analysis Date **5/18/07 8:46:00 PM** Prep Date **5/14/07**
Client ID: Run ID: **SV-3_070518A** SeqNo: **610368**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Surr: 2-Bromonaphthalene	1.847	0.10	mg/Kg	2	0	92.4	40	140	0			
Surr: 2-Fluorobiphenyl	1.889	0.10	mg/Kg	2	0	94.4	40	140	0			
Surr: o-Terphenyl	1.444	0.10	mg/Kg	2	0	72.2	40	140	0			

Qualifiers: ND - Not Detected at the Reporting Limit
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
NA - Not applicable where J values or ND results occur
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *25-May-07*

CLIENT: GEI Consultants, Inc.
Work Order: 0705051
Project: 00291-4 DCR Canton Airport

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Sample ID **lcsd-17093** Batch ID: **17093** Test Code: **MAEPH** Units: **mg/Kg** Analysis Date **5/18/07 9:20:00 PM** Prep Date **5/14/07**
Client ID: Run ID: **SV-3_070518A** SeqNo: **610369**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
n-Decane	1.352	0.10	mg/Kg	2.5	0	54.1	40	140	1.634	18.9	25	
n-Docosane	2.402	0.10	mg/Kg	2.5	0	96.1	40	140	2.303	4.19	25	
n-Dodecane	1.738	0.10	mg/Kg	2.5	0	69.5	40	140	1.75	0.631	25	
n-Eicosane	2.37	0.10	mg/Kg	2.5	0	94.8	40	140	2.224	6.38	25	
n-Hexacosane	2.332	0.10	mg/Kg	2.5	0	93.3	40	140	2.408	3.16	25	
n-Hexadecane	2.146	0.10	mg/Kg	2.5	0	85.8	40	140	2.03	5.53	25	
n-Hexatriacontane	2.072	0.10	mg/Kg	2.5	0	82.9	40	140	1.741	17.4	25	
n-Nonadecane	2.393	0.10	mg/Kg	2.5	0	95.7	40	140	2.306	3.7	25	
n-Nonane	1.059	0.10	mg/Kg	2.5	0	42.4	30	140	1.232	15.1	25	
n-Octacosane	2.653	0.10	mg/Kg	2.5	0	106	40	140	2.406	9.76	25	
n-Octadecane	2.244	0.10	mg/Kg	2.5	0	89.8	40	140	2.235	0.424	25	
n-Tetracosane	2.438	0.10	mg/Kg	2.5	0	97.5	40	140	2.314	5.2	25	
n-Tetradecane	2.005	0.10	mg/Kg	2.5	0	80.2	40	140	1.96	2.3	25	
n-Triacontane	2.346	0.10	mg/Kg	2.5	0	93.8	40	140	2.063	12.8	25	
Surr: 1-Chlorooctadecane	1.25	0.10	mg/Kg	2	0	62.5	40	140	0	0	0	

Sample ID **lcsd-17093** Batch ID: **17093** Test Code: **MAEPH** Units: **mg/Kg** Analysis Date **5/18/07 9:54:00 PM** Prep Date **5/14/07**
Client ID: Run ID: **SV-3_070518A** SeqNo: **610370**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Surr: 2-Bromonaphthalene	2.096	0.10	mg/Kg	2	0	105	40	140	0	0	0	
Surr: 2-Fluorobiphenyl	2.05	0.10	mg/Kg	2	0	102	40	140	0	0	0	
Surr: o-Terphenyl	1.556	0.10	mg/Kg	2	0	77.8	40	140	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
NA - Not applicable where J values or ND results occur

AMRO Environmental Laboratories Corp.

Date: *25-May-07*

CLIENT: GEI Consultants, Inc.
Work Order: 0705051
Project: 00291-4 DCR Canton Airport

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID **lcs-17130** Batch ID: **17130** Test Code: **MAEPH** Units: **mg/Kg** Analysis Date **5/24/07 12:24:00 PM** Prep Date **5/21/07**
Client ID: Run ID: **SV-3_070523A** SeqNo: **611555**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
n-Decane	1.283	0.10	mg/Kg	2.5	0	51.3	40	140	0			
n-Docosane	1.82	0.10	mg/Kg	2.5	0	72.8	40	140	0			
n-Dodecane	1.49	0.10	mg/Kg	2.5	0	59.6	40	140	0			
n-Eicosane	1.868	0.10	mg/Kg	2.5	0	74.7	40	140	0			
n-Hexacosane	1.978	0.10	mg/Kg	2.5	0	79.1	40	140	0			
n-Hexadecane	1.641	0.10	mg/Kg	2.5	0	65.6	40	140	0			
n-Hexatriacontane	1.31	0.10	mg/Kg	2.5	0	52.4	40	140	0			
n-Nonadecane	1.796	0.10	mg/Kg	2.5	0	71.8	40	140	0			
n-Nonane	0.92	0.10	mg/Kg	2.5	0	36.8	30	140	0			
n-Octacosane	1.932	0.10	mg/Kg	2.5	0	77.3	40	140	0			
n-Octadecane	1.679	0.10	mg/Kg	2.5	0	67.2	40	140	0			
n-Tetracosane	1.878	0.10	mg/Kg	2.5	0	75.1	40	140	0			
n-Tetradecane	1.534	0.10	mg/Kg	2.5	0	61.4	40	140	0			
n-Triacontane	1.792	0.10	mg/Kg	2.5	0	71.7	40	140	0			
Surr: 1-Chlorooctadecane	1.168	0.10	mg/Kg	2	0	58.4	40	140	0			

Sample ID **lcs-17130** Batch ID: **17130** Test Code: **MAEPH** Units: **mg/Kg** Analysis Date **5/24/07 12:58:00 PM** Prep Date **5/21/07**
Client ID: Run ID: **SV-3_070523A** SeqNo: **611556**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Surr: 2-Bromonaphthalene	1.817	0.10	mg/Kg	2	0	90.8	40	140	0			
Surr: 2-Fluorobiphenyl	1.859	0.10	mg/Kg	2	0	93	40	140	0			
Surr: o-Terphenyl	1.48	0.10	mg/Kg	2	0	74	40	140	0			

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
NA - Not applicable where J values or ND results occur

AMRO Environmental Laboratories Corp.

Date: *25-May-07*

CLIENT: GEI Consultants, Inc.
Work Order: 0705051
Project: 00291-4 DCR Canton Airport

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Sample ID **lcsd-17130** Batch ID: **17130** Test Code: **MAEPH** Units: **mg/Kg** Analysis Date **5/24/07 1:32:00 PM** Prep Date **5/21/07**
Client ID: Run ID: **SV-3_070523A** SeqNo: **611557**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
n-Decane	1.362	0.10	mg/Kg	2.5	0	54.5	40	140	1.283	5.97	25	
n-Docosane	2.034	0.10	mg/Kg	2.5	0	81.4	40	140	1.82	11.2	25	
n-Dodecane	1.558	0.10	mg/Kg	2.5	0	62.3	40	140	1.49	4.49	25	
n-Eicosane	1.959	0.10	mg/Kg	2.5	0	78.4	40	140	1.868	4.78	25	
n-Hexacosane	2.124	0.10	mg/Kg	2.5	0	85	40	140	1.978	7.14	25	
n-Hexadecane	1.888	0.10	mg/Kg	2.5	0	75.5	40	140	1.641	14	25	
n-Hexatriacontane	1.554	0.10	mg/Kg	2.5	0	62.1	40	140	1.31	17	25	
n-Nonadecane	1.956	0.10	mg/Kg	2.5	0	78.2	40	140	1.796	8.56	25	
n-Nonane	1.056	0.10	mg/Kg	2.5	0	42.2	30	140	0.92	13.8	25	
n-Octacosane	2.15	0.10	mg/Kg	2.5	0	86	40	140	1.932	10.7	25	
n-Octadecane	1.904	0.10	mg/Kg	2.5	0	76.2	40	140	1.679	12.6	25	
n-Tetracosane	2.113	0.10	mg/Kg	2.5	0	84.5	40	140	1.878	11.8	25	
n-Tetradecane	1.743	0.10	mg/Kg	2.5	0	69.7	40	140	1.534	12.8	25	
n-Triacontane	2.017	0.10	mg/Kg	2.5	0	80.7	40	140	1.792	11.8	25	
Surr: 1-Chlorooctadecane	1.038	0.10	mg/Kg	2	0	51.9	40	140	0	0	0	

Sample ID **lcsd-17130** Batch ID: **17130** Test Code: **MAEPH** Units: **mg/Kg** Analysis Date **5/24/07 2:07:00 PM** Prep Date **5/21/07**
Client ID: Run ID: **SV-3_070523A** SeqNo: **611558**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Surr: 2-Bromonaphthalene	1.792	0.10	mg/Kg	2	0	89.6	40	140	0	0	0	
Surr: 2-Fluorobiphenyl	1.678	0.10	mg/Kg	2	0	83.9	40	140	0	0	0	
Surr: o-Terphenyl	1.48	0.10	mg/Kg	2	0	74	40	140	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
NA - Not applicable where J values or ND results occur

EPH Breakthrough Report

AMRO Environmental Laboratories Corp. **Date:** *25-May-07*

CLIENT: GEI Consultants, Inc.
Lab Order: 0705051
Project: 00291-4 DCR Canton Airport

		Breakthrough	
Sample ID	**TestCode**	**Naphthalene**	**2-Methylnaphthalene**
lcs-17093	EPH1.1S	0.320	0.140
lcs-17130	EPH1.1S	0.402	0.102
lcsd-17093	EPH1.1S	0.000	0.000
lcsd-17130	EPH1.1S	0.291	0.000

Maximum %Breakthrough = 5%

* Values outside QC Limits

SEMIVOLATILE CONTINUING CALIBRATION SUMMARY

Instrument ID: SV-3 **Analyst:** kty

Aliphatic **Initial Calibration File:** C:\HPCHEM\1\DATA\052307\3B23151.D
Terminal Calibration File: C:\HPCHEM\1\DATA\052307\3B23168.D

Aromatic **Initial Calibration File:** C:\HPCHEM\1\DATA\052307\3B23152.D
Terminal Calibration File: C:\HPCHEM\1\DATA\052307\3B23169.D

ANALYTE	INITIAL CALIB			TERMINAL CALIB		
	EXPECTED	ACTUAL	%DRIFT	EXPECTED	ACTUAL	%DRIFT
C9-C18 Aliphatic Hydrocarbons	300	305.637	1.88%	300	314.582	4.86%
C19-C36 Aliphatic Hydrocarbons	400	368.225	-7.94%	400	349.194	-12.70%
n-Nonane	50	48.7746	-2.45%	50	49.927	-0.15%
n-Decane	50	49.0482	-1.90%	50	53.603	7.21%
n-Dodecane	50	52.3288	4.66%	50	54.1257	8.25%
n-Tetradecane	50	52.0588	4.12%	50	50.8054	1.61%
n-Hexadecane	50	50.3525	0.70%	50	51.7679	3.54%
n-Octadecane	50	49.4528	-1.09%	50	48.9688	-2.06%
n-Nonadecane	50	50.1788	0.36%	50	48.9346	-2.13%
n-Eicosane	50	48.3629	-3.27%	50	50.3162	0.63%
1-Chlorooctadecane	50	50.9257	1.85%	50	48.783	-2.43%
n-Docosane	50	49.6386	-0.72%	50	49.7649	-0.47%
n-Tetracosane	50	47.2191	-5.56%	50	43.6718	-12.66%
n-Hexacosane	50	48.4291	-3.14%	50	45.2598	-9.48%
n-Octacosane	50	48.3208	-3.36%	50	44.7489	-10.50%
n-Triacontane	50	47.3057	-5.39%	50	43.5833	-12.83%
n-Hexatriacontane	50	37.1454	-25.71% *	50	35.7421	-28.52% *
C11-C22 Aromatic Hydrocarbons	850	838.017	-1.41%	850	789.26	-7.15%
Naphthalene	50	54.1948	8.39%	50	60.9722	21.94% *
2-Methylnaphthalene	50	54.5905	9.18%	50	61.7539	23.51% *
2-Fluorobiphenyl	50	52.8686	5.74%	50	61.5598	23.12% *
Acenaphthylene	50	53.168	6.34%	50	55.9178	11.84%
2-Bromonaphthalene	50	54.6375	9.28%	50	61.9358	23.87% *
Acenaphthene	50	52.5571	5.11%	50	56.0828	12.17%
Fluorene	50	52.5161	5.03%	50	57.8424	15.68%
Phenanthrene	50	49.4464	-1.11%	50	51.3168	2.63%
Anthracene	50	49.9947	-0.01%	50	52.5379	5.08%
o-Terphenyl	50	51.2665	2.53%	50	50.8499	1.70%
Fluoranthene	50	51.5652	3.13%	50	48.9275	-2.15%
Pyrene	50	49.6639	-0.67%	50	49.7511	-0.50%
Benz(a)anthracene	50	48.252	-3.50%	50	43.3445	-13.31%
Chrysene	50	48.0463	-3.91%	50	43.6444	-12.71%
Benzo(b)fluoranthene	50	44.9588	-10.08%	50	38.3741	-23.25% *
Benzo(k)fluoranthene	50	42.6489	-14.70%	50	40.2518	-19.50%
Benzo(a)pyrene	50	44.0903	-11.82%	50	39.8546	-20.29% *
Dibenz(a,h)anthracene	50	44.0508	-11.90%	50	39.7883	-20.42% *
Indeno(1,2,3-cd)pyrene	50	42.5471	-14.91%	50	38.2409	-23.52% *
Benzo(g,h,i)perylene	50	41.1146	-17.77%	50	36.7694	-26.46% *

Number out (Initial CCV) : 1 * This exceeds the maximum allowable value
Number out (Terminal CCV) : 10 * This exceeds the maximum allowable value

* Maximum %Dev = 25% for Aliphatic compounds, 20% for Aromatic compounds
* Up to 4 compounds may be out on the terminal CCV