AMRO Environmental Laboratories Corporation

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

July 28, 2010

ANALYTICAL TEST RESULTS

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

Subject: 09382-2 Canton Airport

Workorder No.: 1007044

Dear Raymond Siegener:

AMRO Environmental Laboratories Corp. received 14 samples on 7/15/2010 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 23 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.

Hard copy of the State Certification is available upon request.

AMRO Environmental Laboratories Corp.

Date: *28-Jul-10*

CLIENT: GEI Consultants, Inc.
Project: 09382-2 Canton Airport
Lab Order: 1007044
Date Received: 7/15/2010

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Collection Date	Collection Time
1007044-01A	093822-AT90(9-12)	7/14/2010	9:08 AM
1007044-02A	093822-PR37(0-6)	7/14/2010	11:26 AM
1007044-03A	093822-AT80(0-12)	7/14/2010	8:10 AM
1007044-04A	093822-AT90(0-12)	7/14/2010	9:10 AM
1007044-05A	093822-BE80(0-12)	7/14/2010	8:15 AM
1007044-06A	093822-BE90(0-12)	7/14/2010	9:25 AM
1007044-07A	093822-BE100(0-12)	7/14/2010	9:55 AM
1007044-08A	093822-BO80(0-12)	7/14/2010	8:25 AM
1007044-09A	093822-BO90(0-12)	7/14/2010	9:35 AM
1007044-10A	093822-BO100(0-12)	7/14/2010	10:09 AM
1007044-11A	093822-BY80(0-12)	7/14/2010	8:35 AM
1007044-12A	093822-BY90(0-12)	7/14/2010	9:50 AM
1007044-13A	093822-CJ80(0-12)	7/14/2010	8:45 AM
1007044-14A	093822-BODUP1	7/14/2010	7:00 AM

AMRO Environmental Laboratories Corp.

28-Jul-10

Lab Order: 1007044
Client: GEI Consultants, Inc.
Project: 09382-2 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
1007044-01A	093822-AT90(9-12)	7/14/2010 9:08:00 AM	Soil	EPA 8082 PCBS IN SOIL/SOLIDS		7/19/2010	
				EPA 3540C SOPREP SOXHLET: PCBS	7/15/2010	20440	
				Percent Moisture		7/19/2010	
						R45034	
1007044-02A	093822-PR37(0-6)	7/14/2010 11:26:00 AM		EPA 8082 PCBS IN SOIL/SOLIDS		7/20/2010	
				EPA 3540C SOPREP SOXHLET: PCBS	7/15/2010	20440	
				Percent Moisture		7/19/2010	
						R45034	
1007044-03A	093822-AT80(0-12)	7/14/2010 8:10:00 AM		EPA 6010B ICP METALS, 3051/6010		7/21/2010	
				EPA 3051 SOPREP TOTAL METALS: Micro	7/20/2010	20458	
				Percent Moisture		7/19/2010	
						R45034	
1007044-04A	093822-AT90(0-12)	7/14/2010 9:10:00 AM		EPA 6010B ICP METALS, 3051/6010		7/22/2010	
				EPA 3051 SOPREP TOTAL METALS: Micro	7/20/2010	20458	
				Percent Moisture		7/19/2010	
						R45034	
1007044-05A	093822-BE80(0-12)	7/14/2010 8:15:00 AM		EPA 6010B ICP METALS, 3051/6010		7/22/2010	
				EPA 3051 SOPREP TOTAL METALS: Micro	7/20/2010	20458	
				Percent Moisture		7/19/2010	
						R45034	
1007044-06A	093822-BE90(0-12)	7/14/2010 9:25:00 AM		EPA 6010B ICP METALS, 3051/6010		7/22/2010	
				EPA 3051 SOPREP TOTAL METALS: Micro	7/20/2010	20458	
				Percent Moisture		7/19/2010	
						R45034	

AMRO Environmental Laboratories Corp.

28-Jul-10

Lab Order: 1007044
Client: GEI Consultants, Inc.
Project: 09382-2 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
1007044-07A	093822-BE100(0-12)	7/14/2010 9:55:00 AM	Soil	EPA 6010B ICP METALS, 3051/6010		7/22/2010	
				EPA 3051 SOPREP TOTAL METALS: Micro	7/20/2010	20458	
				Percent Moisture		7/19/2010	
						R45034	
1007044-08A	093822-BO80(0-12)	7/14/2010 8:25:00 AM		EPA 6010B ICP METALS, 3051/6010		7/22/2010	
				EPA 3051 SOPREP TOTAL METALS: Micro	7/20/2010	20458	
				Percent Moisture		7/19/2010	
						R45034	
1007044-09A	093822-BO90(0-12)	7/14/2010 9:35:00 AM		EPA 6010B ICP METALS, 3051/6010		7/22/2010	
				EPA 3051 SOPREP TOTAL METALS: Micro	7/20/2010	20458	
				Percent Moisture		7/19/2010	
						R45034	
1007044-10A	093822-BO100(0-12)	7/14/2010 10:09:00 AM		EPA 6010B ICP METALS, 3051/6010		7/22/2010	
				EPA 3051 SOPREP TOTAL METALS: Micro	7/20/2010	20458	
				Percent Moisture		7/19/2010	
						R45034	
1007044-11A	093822-BY80(0-12)	7/14/2010 8:35:00 AM		EPA 6010B ICP METALS, 3051/6010		7/22/2010	
				EPA 3051 SOPREP TOTAL METALS: Micro	7/20/2010	20458	
				Percent Moisture		7/19/2010	
						R45034	
1007044-12A	093822-BY90(0-12)	7/14/2010 9:50:00 AM		EPA 6010B ICP METALS, 3051/6010		7/22/2010	
				EPA 3051 SOPREP TOTAL METALS: Micro	7/20/2010	20458	
				Percent Moisture		7/19/2010	
						R45034	

AMRO Environmental Laboratories Corp.

28-Jul-10

Lab Order: 1007044
Client: GEI Consultants, Inc.
Project: 09382-2 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
1007044-13A	093822-CJ80(0-12)	7/14/2010 8:45:00 AM	Soil	EPA 6010B ICP METALS, 3051/6010		7/22/2010	
				EPA 3051 SOPREP TOTAL METALS: Micro	7/20/2010	20458	
				Percent Moisture		7/19/2010	
						R45034	
1007044-14A	093822-BODUP1	7/14/2010 7:00:00 AM		EPA 6010B ICP METALS, 3051/6010		7/22/2010	
				EPA 3051 SOPREP TOTAL METALS: Micro	7/20/2010	20458	
				Percent Moisture		7/19/2010	
						R45034	

Chain-of-Custody Record

Laboratory: AMRO

Laboratory Job # 1007044 (Lab use only)

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

Project Information

Project Name: Canton Airport

Project Location: Canton, MA

Project Number: 09382-2

Project Manager: Anne Leifer

Send Report to: rsiegener@geiconsultants.com

Send EDD to: labdata@geiconsultants.com

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	PCBs by manual Soxlet extrac (Preservative: none)	Zinc (none)	Vanadium (none)	Arsenic (none)					Sample Specific Remarks
	093822-AT80(0-12)	7/14/10	0810	SO	1	TC		X	X	X					
	093822-AT90(0-12)	7/14/10	0910	SO	1	TC		X	X						
	093822-AT90(9-12)	7/14/10	0908	SO	1	TC	X								
	093822-AT90(12-18)	7/14/10	0906	SO	1	TC	X								HOLD
	093822-AT90(18-24)	7/14/10	0904	SO	1	TC	X								HOLD
	093822-BE80(0-12)	7/14/10	0815	SO	1	TC		X	X	X					
	093822-BE90(0-12)	7/14/10	0925	SO	1	TC		X	X	X					
	093822-BE100(0-12)	7/14/10	0955	SO	1	TC		X	X	X					
	093822-BO80(0-12)	7/14/10	0825	SO	1	TC		X	X	X					
	093822-BO90(0-12)	7/14/10	0935	SO	1	TC		X	X	X					
	093822-BO100(0-12)	7/14/10	1009	SO	1	TC		X	X	X					
	093822-BY80(0-12)	7/14/10	0835	SO	1	TC		X	X	X					

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

Relinquished by sampler: (signature)	Date:	Time:	Received by: (signature)
1. [signature]	7/14/10		1. GEI SAMPLE FRIDGE
Relinquished by: (signature)	Date:	Time:	Received by: (signature)
2. GEI Sample Fridge	7/15/10	1145	2. [signature]
Relinquished by: (signature)	Date:	Time:	Received by: (signature)
3. [signature]	7/15/10	1145	3. [signature]
Relinquished by: (signature)	Date:	Time:	Received by: (signature)
4. [signature]	7/15/10	1240	4. Kaleigh Wallace

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:

PCBs by manual Soxlet extraction

DCR rates apply

Chain-of-Custody Record

Laboratory: AMRO

Laboratory Job # (Lab use only) 1007044

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

Project Information

Project Name: Canton Airport

Project Location: Canton, MA

Project Number: 09382-2

Project Manager: Anne Leifer

Send Report to: rsiegener@geiconsultants.com

Send EDD to: labdata@geiconsultants.com

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	PCBs by manual Soxlet extrac (Preservative: none)	Zinc (Preservative: none)	Vanadium (Preservative: none)	Arsenic (Preservative: none)					Sample Specific Remarks
	093822-BY90(0-12)	7/14/10	0950	SO	1	TC		X	X	X					
	093822-CJ80(0-12)	7/14/10	0845	SO	1	TC		X	X						
	093822-PR37(0-6)	7/14/10	1126	SO	1	TC	X	~~X~~ TC							
	093822-PR37(9-12)	7/14/10	1124	SO	1	TC	X								HOLD
	093822-PR37(12-18)	7/14/10	1122	SO	1	TC	X								HOLD
	093822-BODUP1	7/14/10	0700	SO	1	TC		X	X	X					

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

Relinquished by sampler: (signature)	Date:	Time:	Received by: (signature)
1. [signature]	7/14/10	1430	1. GEI SAMPLE FRIDGE
Relinquished by: (signature) 2. GEI Fridge	Date: 7/15/10	Time: 1145	Received by: (signature) 2. [signature]
Relinquished by: (signature) 3. [signature]	Date: 7/15/10	Time: 1145	Received by: (signature) 3. [signature]
Relinquished by: (signature) 4. [signature]	Date: 7/15/10	Time: 1240	Received by: (signature) 4. Kaleigh Wallace

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:

PCBs by manual Soxlet extraction

DCR rates apply

AMRO Environmental Laboratories Corporation

SAMPLE RECEIPT CHECKLIST

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

Client:	GET	AMRO ID:	1007044
Project Name:	Canton Airport	Date Rec.:	7/15/10
Ship via: (circle one) Fed Ex., UPS, AMRO Courier, Hand Del., Other Courier, Other:		Date Due:	7/22/10

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 = or <6°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: KW	Date: 7/15/10	Logged in By: KW	Date: 7/15/10
Labeled By: KW	Date: 7/15/10	Checked By: MG	Date: 7-16-10

NA= Not Applicable

CASE NARRATIVE

PCBs:

1. No QC deviations were observed.

METALS:

1. Arsenic, Vanadium, and Zinc were analyzed at the request of the client.

2. No QC deviations were noted.

MassDEP Analytical Protocol Certification Form

Laboratory Name: AMRO Environmental Lab. Corp. Project #: 09382-2

Project Location: Canton Airport RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
1007044-01 to 14

Matrices: Groundwater/Surface Water X Soil/Sediment Drinking Water Air Other:

CAM Protocol (check all that apply below):

8260 VOC CAM II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A **X**	6020 Metals CAM III D	8082 PCB CAM V A **X**	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	X Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	X Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	X Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	X Yes No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	X N/A No X N/A No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	X Yes No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	X Yes No[1]

***Data User Note:** Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.*

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	X Yes No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	Yes X No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry 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: [signature] **Position:** Vice President

Printed Name: Nancy Stewart **Date:** 7-30-10

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: *28-Jul-10*

CLIENT: GEI Consultants, Inc.
Project: 09382-2 Canton Airport

Lab Order: 1007044

Lab ID: 1007044-01
Collection Date: 7/14/2010 9:08:00 AM
Collection Time:
Client Sample ID: 093822-AT90(9-12)
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082		**SW8082**				Analyst: KA
Aroclor 1016	ND	50		µg/Kg-dry	1	7/19/2010 11:45:00 PM
Aroclor 1221	ND	50		µg/Kg-dry	1	7/19/2010 11:45:00 PM
Aroclor 1232	ND	50		µg/Kg-dry	1	7/19/2010 11:45:00 PM
Aroclor 1242	ND	50		µg/Kg-dry	1	7/19/2010 11:45:00 PM
Aroclor 1248	ND	50		µg/Kg-dry	1	7/19/2010 11:45:00 PM
Aroclor 1254	ND	50		µg/Kg-dry	1	7/19/2010 11:45:00 PM
Aroclor 1260	690	50		µg/Kg-dry	1	7/19/2010 11:45:00 PM
Aroclor 1262	ND	50		µg/Kg-dry	1	7/19/2010 11:45:00 PM
Aroclor 1268	ND	50		µg/Kg-dry	1	7/19/2010 11:45:00 PM
Surr: Tetrachloro-m-xylene	91.5	30-150		%REC	1	7/19/2010 11:45:00 PM
Surr: Decachlorobiphenyl	95.7	30-150		%REC	1	7/19/2010 11:45:00 PM

Lab ID: 1007044-02
Collection Date: 7/14/2010 11:26:00 AM
Collection Time:
Client Sample ID: 093822-PR37(0-6)
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082		**SW8082**				Analyst: KA
Aroclor 1016	ND	50		µg/Kg-dry	1	7/20/2010 12:11:00 AM
Aroclor 1221	ND	50		µg/Kg-dry	1	7/20/2010 12:11:00 AM
Aroclor 1232	ND	50		µg/Kg-dry	1	7/20/2010 12:11:00 AM
Aroclor 1242	ND	50		µg/Kg-dry	1	7/20/2010 12:11:00 AM
Aroclor 1248	ND	50		µg/Kg-dry	1	7/20/2010 12:11:00 AM
Aroclor 1254	ND	50		µg/Kg-dry	1	7/20/2010 12:11:00 AM
Aroclor 1260	390	50		µg/Kg-dry	1	7/20/2010 12:11:00 AM
Aroclor 1262	ND	50		µg/Kg-dry	1	7/20/2010 12:11:00 AM
Aroclor 1268	ND	50		µg/Kg-dry	1	7/20/2010 12:11:00 AM
Surr: Tetrachloro-m-xylene	101	30-150		%REC	1	7/20/2010 12:11:00 AM
Surr: Decachlorobiphenyl	96.8	30-150		%REC	1	7/20/2010 12:11:00 AM

AMRO Environmental Laboratories Corp.

Date: *21-Jul-10*

CLIENT: GEI Consultants, Inc.
Work Order: 1007044
Project: 09382-2 Canton Airport

QC SUMMARY REPORT
Method Blank

Sample ID: **MB-20440** Batch ID: **20440** Test Code: **SW8082** Units: **µg/Kg** Analysis Date **7/19/2010 8:43:00 PM** Prep Date: **7/15/2010**

Client ID: Run ID: **GC-ELVIS_100719A** SeqNo: **748181**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Aroclor 1016	ND	50	µg/Kg									
Aroclor 1221	ND	50	µg/Kg									
Aroclor 1232	ND	50	µg/Kg									
Aroclor 1242	ND	50	µg/Kg									
Aroclor 1248	ND	50	µg/Kg									
Aroclor 1254	ND	50	µg/Kg									
Aroclor 1260	ND	50	µg/Kg									
Aroclor 1262	ND	50	µg/Kg									
Aroclor 1268	ND	50	µg/Kg									
Surr: Tetrachloro-m-xylene	16.75	0	µg/Kg	16	0	105	30	150	0			
Surr: Decachlorobiphenyl	17.16	0	µg/Kg	16	0	107	30	150	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: *21-Jul-10*

CLIENT: GEI Consultants, Inc.
Work Order: 1007044
Project: 09382-2 Canton Airport

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID: **LCS-20440** Batch ID: **20440** Test Code: **SW8082** Units: **µg/Kg** Analysis Date **7/19/2010 9:09:00 PM** Prep Date: **7/15/2010**
Client ID: Run ID: **GC-ELVIS_100719A** SeqNo: **748182**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Aroclor 1016	874	50	µg/Kg	1000	0	87.4	70.9	125	0			
Aroclor 1260	966.5	50	µg/Kg	1000	0	96.7	60.1	126	0			
Surr: Tetrachloro-m-xylene	16.47	0	µg/Kg	16	0	103	30	150	0			
Surr: Decachlorobiphenyl	17.21	0	µg/Kg	16	0	108	30	150	0			

Sample ID: **LCSD-20440** Batch ID: **20440** Test Code: **SW8082** Units: **µg/Kg** Analysis Date **7/19/2010 9:35:00 PM** Prep Date: **7/15/2010**
Client ID: Run ID: **GC-ELVIS_100719A** SeqNo: **748183**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Aroclor 1016	867.2	50	µg/Kg	1000	0	86.7	70.9	125	874	0.789	50	
Aroclor 1260	959.1	50	µg/Kg	1000	0	95.9	60.1	126	966.5	0.773	50	
Surr: Tetrachloro-m-xylene	16.49	0	µg/Kg	16	0	103	30	150	0	0	0	
Surr: Decachlorobiphenyl	17.33	0	µg/Kg	16	0	108	30	150	0	0	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: *28-Jul-10*

CLIENT: GEI Consultants, Inc.
Project: 09382-2 Canton Airport
Lab Order: 1007044

Lab ID: 1007044-01
Collection Date: 7/14/2010 9:08:00 AM
Collection Time:
Client Sample ID: 093822-AT90(9-12)
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		**D2216**				Analyst: **MG**
Percent Moisture	2.1	0		wt%	1	7/19/2010

Lab ID: 1007044-02
Collection Date: 7/14/2010 11:26:00 AM
Collection Time:
Client Sample ID: 093822-PR37(0-6)
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		**D2216**				Analyst: **MG**
Percent Moisture	2.1	0		wt%	1	7/19/2010

Lab ID: 1007044-03
Collection Date: 7/14/2010 8:10:00 AM
Collection Time:
Client Sample ID: 093822-AT80(0-12)
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		**SW6010B**				Analyst: **AL**
Arsenic	ND	6.28		mg/Kg-dry	1	7/21/2010 11:35:19 PM
Vanadium	12.9	6.28		mg/Kg-dry	1	7/21/2010 11:35:19 PM
Zinc	28.0	7.53		mg/Kg-dry	1	7/21/2010 11:35:19 PM
PERCENT MOISTURE		**D2216**				Analyst: **MG**
Percent Moisture	2.6	0		wt%	1	7/19/2010

AMRO Environmental Laboratories Corp.

Date: *28-Jul-10*

CLIENT: GEI Consultants, Inc.
Project: 09382-2 Canton Airport
Lab Order: 1007044

Lab ID: 1007044-04
Collection Date: 7/14/2010 9:10:00 AM
Collection Time:
Client Sample ID: 093822-AT90(0-12)
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		**SW6010B**				Analyst: **AL**
Vanadium	16.4	6.34		mg/Kg-dry	1	7/22/2010 12:23:49 AM
Zinc	70.9	7.60		mg/Kg-dry	1	7/22/2010 12:23:49 AM
PERCENT MOISTURE		**D2216**				Analyst: **MG**
Percent Moisture	2.8	0		wt%	1	7/19/2010

Lab ID: 1007044-05
Collection Date: 7/14/2010 8:15:00 AM
Collection Time:
Client Sample ID: 093822-BE80(0-12)
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		**SW6010B**				Analyst: **AL**
Arsenic	ND	5.77		mg/Kg-dry	1	7/22/2010 12:29:49 AM
Vanadium	20.2	5.77		mg/Kg-dry	1	7/22/2010 12:29:49 AM
Zinc	191	6.92		mg/Kg-dry	1	7/22/2010 12:29:49 AM
PERCENT MOISTURE		**D2216**				Analyst: **MG**
Percent Moisture	3.0	0		wt%	1	7/19/2010

Lab ID: 1007044-06
Collection Date: 7/14/2010 9:25:00 AM
Collection Time:
Client Sample ID: 093822-BE90(0-12)
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		**SW6010B**				Analyst: **AL**
Arsenic	ND	5.86		mg/Kg-dry	1	7/22/2010 12:35:50 AM
Vanadium	14.0	5.86		mg/Kg-dry	1	7/22/2010 12:35:50 AM
Zinc	77.7	7.03		mg/Kg-dry	1	7/22/2010 12:35:50 AM
PERCENT MOISTURE		**D2216**				Analyst: **MG**
Percent Moisture	1.5	0		wt%	1	7/19/2010

AMRO Environmental Laboratories Corp.

Date: *28-Jul-10*

CLIENT: GEI Consultants, Inc.
Project: 09382-2 Canton Airport
Lab Order: 1007044

Lab ID: 1007044-07
Collection Date: 7/14/2010 9:55:00 AM
Collection Time:
Client Sample ID: 093822-BE100(0-12)
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		**SW6010B**				Analyst: **AL**
Arsenic	ND	6.22		mg/Kg-dry	1	7/22/2010 12:41:49 AM
Vanadium	17.1	6.22		mg/Kg-dry	1	7/22/2010 12:41:49 AM
Zinc	89.5	7.46		mg/Kg-dry	1	7/22/2010 12:41:49 AM
PERCENT MOISTURE		**D2216**				Analyst: **MG**
Percent Moisture	1.5	0		wt%	1	7/19/2010

Lab ID: 1007044-08
Collection Date: 7/14/2010 8:25:00 AM
Collection Time:
Client Sample ID: 093822-BO80(0-12)
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		**SW6010B**				Analyst: **AL**
Arsenic	ND	6.22		mg/Kg-dry	1	7/22/2010 12:47:51 AM
Vanadium	24.7	6.22		mg/Kg-dry	1	7/22/2010 12:47:51 AM
Zinc	625	7.46		mg/Kg-dry	1	7/22/2010 12:47:51 AM
PERCENT MOISTURE		**D2216**				Analyst: **MG**
Percent Moisture	3.8	0		wt%	1	7/19/2010

Lab ID: 1007044-09
Collection Date: 7/14/2010 9:35:00 AM
Collection Time:
Client Sample ID: 093822-BO90(0-12)
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		**SW6010B**				Analyst: **AL**
Arsenic	ND	6.58		mg/Kg-dry	1	7/22/2010 12:53:53 AM
Vanadium	23.6	6.58		mg/Kg-dry	1	7/22/2010 12:53:53 AM
Zinc	248	7.89		mg/Kg-dry	1	7/22/2010 12:53:53 AM
PERCENT MOISTURE		**D2216**				Analyst: **MG**
Percent Moisture	5.0	0		wt%	1	7/19/2010

AMRO Environmental Laboratories Corp.

Date: *28-Jul-10*

CLIENT: GEI Consultants, Inc.
Project: 09382-2 Canton Airport
Lab Order: 1007044

Lab ID: 1007044-10
Collection Date: 7/14/2010 10:09:00 AM
Collection Time:
Client Sample ID: 093822-BO100(0-12)
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		**SW6010B**				Analyst: **AL**
Arsenic	ND	6.15		mg/Kg-dry	1	7/22/2010 12:59:55 AM
Vanadium	15.9	6.15		mg/Kg-dry	1	7/22/2010 12:59:55 AM
Zinc	42.8	7.38		mg/Kg-dry	1	7/22/2010 12:59:55 AM
PERCENT MOISTURE		**D2216**				Analyst: **MG**
Percent Moisture	2.0	0		wt%	1	7/19/2010

Lab ID: 1007044-11
Collection Date: 7/14/2010 8:35:00 AM
Collection Time:
Client Sample ID: 093822-BY80(0-12)
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		**SW6010B**				Analyst: **AL**
Arsenic	ND	6.08		mg/Kg-dry	1	7/22/2010 1:05:56 AM
Vanadium	13.6	6.08		mg/Kg-dry	1	7/22/2010 1:05:56 AM
Zinc	95.8	7.30		mg/Kg-dry	1	7/22/2010 1:05:56 AM
PERCENT MOISTURE		**D2216**				Analyst: **MG**
Percent Moisture	3.1	0		wt%	1	7/19/2010

Lab ID: 1007044-12
Collection Date: 7/14/2010 9:50:00 AM
Collection Time:
Client Sample ID: 093822-BY90(0-12)
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		**SW6010B**				Analyst: **AL**
Arsenic	ND	6.26		mg/Kg-dry	1	7/22/2010 1:11:58 AM
Vanadium	15.2	6.26		mg/Kg-dry	1	7/22/2010 1:11:58 AM
Zinc	117	7.51		mg/Kg-dry	1	7/22/2010 1:11:58 AM
PERCENT MOISTURE		**D2216**				Analyst: **MG**
Percent Moisture	2.1	0		wt%	1	7/19/2010

AMRO Environmental Laboratories Corp.

Date: *28-Jul-10*

CLIENT: GEI Consultants, Inc.
Project: 09382-2 Canton Airport
Lab Order: 1007044

Lab ID: 1007044-13
Collection Date: 7/14/2010 8:45:00 AM
Collection Time:
Client Sample ID: 093822-CJ80(0-12)
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		**SW6010B**				Analyst: **AL**
Vanadium	22.1	6.38		mg/Kg-dry	1	7/22/2010 1:18:01 AM
Zinc	71.8	7.66		mg/Kg-dry	1	7/22/2010 1:18:01 AM
PERCENT MOISTURE		**D2216**				Analyst: **MG**
Percent Moisture	2.6	0		wt%	1	7/19/2010

Lab ID: 1007044-14
Collection Date: 7/14/2010 7:00:00 AM
Collection Time:
Client Sample ID: 093822-BODUP1
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		**SW6010B**				Analyst: **AL**
Arsenic	ND	6.38		mg/Kg-dry	1	7/22/2010 1:42:00 AM
Vanadium	15.9	6.38		mg/Kg-dry	1	7/22/2010 1:42:00 AM
Zinc	39.9	7.66		mg/Kg-dry	1	7/22/2010 1:42:00 AM
PERCENT MOISTURE		**D2216**				Analyst: **MG**
Percent Moisture	2.1	0		wt%	1	7/19/2010

AMRO Environmental Laboratories Corp.

Date: *23-Jul-10*

CLIENT: GEI Consultants, Inc.
Work Order: 1007044
Project: 09382-2 Canton Airport

QC SUMMARY REPORT
Method Blank

Sample ID **MB-20458** Batch ID: **20458** Test Code: **SW6010B** Units: **mg/Kg** Analysis Date **7/21/10 11:18:34 PM** Prep Date **7/20/10**

Client ID: Run ID: **ICP-OPTIMA_100721B** SeqNo: **748689**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Arsenic	ND	6.2	mg/Kg									
Vanadium	ND	6.2	mg/Kg									
Zinc	ND	7.5	mg/Kg									

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: *23-Jul-10*

CLIENT: GEI Consultants, Inc.
Work Order: 1007044
Project: 09382-2 Canton Airport

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID **LCS-20458** Batch ID: **20458** Test Code: **SW6010B** Units: **mg/Kg** Analysis Date **7/21/10 11:23:10 PM** Prep Date **7/20/10**
Client ID: Run ID: **ICP-OPTIMA_100721B** SeqNo: **748690**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Arsenic	239.6	6.2	mg/Kg	250	0	95.9	80	120	0			
Vanadium	519.3	6.2	mg/Kg	500	0	104	80	120	0			
Zinc	483	7.5	mg/Kg	498	0	97	80	120	0			

Sample ID **LCSD-20458** Batch ID: **20458** Test Code: **SW6010B** Units: **mg/Kg** Analysis Date **7/21/10 11:29:14 PM** Prep Date **7/20/10**
Client ID: Run ID: **ICP-OPTIMA_100721B** SeqNo: **748691**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Arsenic	240.1	6.2	mg/Kg	250	0	96	80	120	239.6	0.199	20	
Vanadium	528.3	6.2	mg/Kg	500	0	106	80	120	519.3	1.72	20	
Zinc	485.7	7.5	mg/Kg	498	0	97.5	80	120	483	0.565	20	

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: *23-Jul-10*

CLIENT: GEI Consultants, Inc.
Work Order: 1007044
Project: 09382-2 Canton Airport

QC SUMMARY REPORT

Sample Duplicate

Sample ID **1007044-03ad** Batch ID: **20458** Test Code: **SW6010B** Units: **mg/Kg-dry** Analysis Date **7/21/10 11:47:25 PM** Prep Date **7/20/10**

Client ID: **093822-AT80(0-12** Run ID: **ICP-OPTIMA_100721B** SeqNo: **748694**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Arsenic	3.743	6.4	mg/Kg-dry	0	0	0	0	0	2.032	59.3	20	JR
Vanadium	15.29	6.4	mg/Kg-dry	0	0	0	0	0	12.87	17.2	20	
Zinc	30.55	7.6	mg/Kg-dry	0	0	0	0	0	28.04	8.58	20	

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: *23-Jul-10*

CLIENT: GEI Consultants, Inc.
Work Order: 1007044
Project: 09382-2 Canton Airport

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID **1007044-03ams** Batch ID: **20458** Test Code: **SW6010B** Units: **mg/Kg-dry** Analysis Date **7/21/10 11:53:31 PM** Prep Date **7/20/10**
Client ID: **093822-AT80(0-12** Run ID: **ICP-OPTIMA_100721B** SeqNo: **748695**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Arsenic	232.8	6.4	mg/Kg-dry	254.1	2.032	90.8	75	125	0			
Vanadium	526.6	6.4	mg/Kg-dry	508.3	12.87	101	75	125	0			
Zinc	503.9	7.6	mg/Kg-dry	506.2	28.04	94	75	125	0			

Sample ID **1007044-03amsd** Batch ID: **20458** Test Code: **SW6010B** Units: **mg/Kg-dry** Analysis Date **7/21/10 11:59:41 PM** Prep Date **7/20/10**
Client ID: **093822-AT80(0-12** Run ID: **ICP-OPTIMA_100721B** SeqNo: **748696**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Arsenic	225.6	5.9	mg/Kg-dry	237.7	2.032	94.1	75	125	232.8	3.14	20	
Vanadium	509	5.9	mg/Kg-dry	475.3	12.87	104	75	125	526.6	3.4	20	
Zinc	500.4	7.1	mg/Kg-dry	473.4	28.04	99.8	75	125	503.9	0.701	20	

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