AMRO Environmental Laboratories Corporation

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

RECEIVED
JUN 14 2007
GEI CONSULTANTS, INC.

June 07, 2007

ANALYTICAL TEST RESULTS

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.: 0705115

Dear Raymond Siegener:

AMRO Environmental Laboratories Corp. received 3 samples on 5/18/07 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 19 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: *05-Jun-07*

CLIENT: GEI Consultants, Inc.
Project: 00291-4 DCR Canton Airport
Lab Order: 0705115
Date Received: 5/18/07

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Collection Date	Collection Time
0705115-01A	002914-SSBKG1	5/17/07	10:20 AM
0705115-02A	002914-SSBKG2	5/17/07	10:30 AM
0705115-03A	002914-SSBKG3	5/17/07	10:50 AM

AMRO Environmental Laboratories Corp.

05-Jun-07

Lab Order: 0705115
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
0705115-01A	002914-SSBKG1	5/17/07 10:20:00 AM	Soil	EPA 6010B ICP METALS, 3051/6010		5/24/07	
				EPA 3051 SOPREP TOTAL METALS: Micro	5/23/07	17141	
				EPA 8082 PCBS IN SOIL/SOLIDS		6/1/07	
				EPA 3541 SOPREP AUTOSOXHLET: PCBS	5/29/07	17162	
				Percent Moisture		5/24/07	
						R36890	
				TOC, Soil, CFAS18		5/29/07	
						R36919	
0705115-02A	002914-SSBKG2	5/17/07 10:30:00 AM		EPA 6010B ICP METALS, 3051/6010		5/24/07	
				EPA 3051 SOPREP TOTAL METALS: Micro	5/23/07	17141	
				EPA 8082 PCBS IN SOIL/SOLIDS		6/1/07	
				EPA 3541 SOPREP AUTOSOXHLET: PCBS	5/29/07	17162	
				Percent Moisture		5/24/07	
						R36890	
				TOC, Soil, CFAS18		5/29/07	
						R36919	
0705115-03A	002914-SSBKG3	5/17/07 10:50:00 AM		EPA 6010B ICP METALS, 3051/6010		5/24/07	
				EPA 3051 SOPREP TOTAL METALS: Micro	5/23/07	17141	
				EPA 8082 PCBS IN SOIL/SOLIDS		6/1/07	
				EPA 3541 SOPREP AUTOSOXHLET: PCBS	5/29/07	17162	
				Percent Moisture		5/24/07	
						R36890	
				TOC, Soil, CFAS18		5/29/07	
						R36919	

Chain-of-Custody Record

Laboratory: AMRO

Laboratory Job # (Lab use only) 0705115

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: Ray Siegener

Send EDD to: labdata@geiconsultants.com

Preservative

Analysis

Sample Handling

Samples Field Filtered: YES NO **NA**

Sampled Shipped With Ice: **YES** NO

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

Lab Sample Number	GEI Sample ID	Collection Date	Collection Time	Matrix	No. of Bottles	Sampler(s) Initials	PCB	TOC	Metals (see note)						Sample Specific Remarks
	002914-SSBKG1	5/17/2007	1020	Soil	1	SEO	X	X	X						
	002914-SSBKG2	5/2/2007	1030	Soil	1	SEO	X	X	X						
	002914-SSBKG3	5/2/2007	1050	Soil	1	SEO	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. Sabrina E Oosting	5/17/07	12:30	1. GEI FRIDGE
Relinquished by: (signature)	Date:	Time:	Received by: (signature)
2. GEI Fridge/Ray Siegener	5/18/07	1128	2. W H Clavan
Relinquished by: (signature)	Date:	Time:	Received by: (signature)
3.			3.
Relinquished by: (signature)	Date:	Time:	Received by: (signature)
4. W H Clavan	5/18/07	1220	4. C Cearley

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

metals are: barium, beryllium, chromium, lead, nickel, vanadium, and zinc

Login Account for multiple users

From: Saskia Oosting [SOosting@geiconsultants.com]
Sent: Monday, May 21, 2007 1:43 PM
To: Login Account for multiple users
Cc: Maria Nicoletta Borduz
Subject: Re: DCR Canton Airport Soil Samples (AMRO 0705115)

Connie:

That is an error on the chain. It should read 5/17/07 as it says on the sample containers.

Saskia

>>> "Login Account for multiple users" <login@amrolabs.com> 5/21/2007 12:56:42 pm >>>
Hi Saskia -

The sampling date on the Chain for SSBKG2 and SSBKG3 (picked up 5/18/07) is 5/**2**/07 and the samples read 5/**17**/07. Should the Chain read 5/17/07? If the Chain is correct then the PCBs are out of hold time.

Thanks!

Connie in Receiving

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: 0705115
Date Rec.: 5-18-07
Date Due: 5-25-07

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?	✓			ALL SAMPLES DATED 5/17/07 - SEE EMAIL
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: CC Date: 5-18-07 Logged in By: CC Date: 5-21-07
Labeled By: CC Date: 5-21-07 Checked By: MG Date: 5-21-07

NA= Not Applicable

CASE NARRATIVE

GC/ECD-PCBs:

No QC deviations were observed.

METALS:

1. Total Barium, Beryllium, Chromium, Lead, Nickel, Vanadium and Zinc were reported per the client's request.

WET CHEMISTRY:

No QC deviations were observed.

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: AMRO Environmental Laboratories, Inc. Project Number: 0705115

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

0705115-01	0705115-02	0705115-03				

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] NA BG 6/6/07

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:** 6-7-07

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: *05-Jun-07*

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

Lab Order: 0705115

Lab ID: 0705115-01
Collection Date: 5/17/07 10:20:00 AM
Collection Time:
Client Sample ID: 002914-SSBKG1
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS BY MCP METH SW8082						Analyst: FQ
Aroclor 1016	ND	53		µg/Kg-dry	1	6/1/07 1:24:00 AM
Aroclor 1221	ND	53		µg/Kg-dry	1	6/1/07 1:24:00 AM
Aroclor 1232	ND	53		µg/Kg-dry	1	6/1/07 1:24:00 AM
Aroclor 1242	ND	53		µg/Kg-dry	1	6/1/07 1:24:00 AM
Aroclor 1248	ND	53		µg/Kg-dry	1	6/1/07 1:24:00 AM
Aroclor 1254	ND	53		µg/Kg-dry	1	6/1/07 1:24:00 AM
Aroclor 1260	ND	53		µg/Kg-dry	1	6/1/07 1:24:00 AM
Aroclor 1262	ND	53		µg/Kg-dry	1	6/1/07 1:24:00 AM
Aroclor 1268	ND	53		µg/Kg-dry	1	6/1/07 1:24:00 AM
Surr: Tetrachloro-m-xylene	71.2	30-127		%REC	1	6/1/07 1:24:00 AM
Surr: Decachlorobiphenyl	83.8	30-136		%REC	1	6/1/07 1:24:00 AM

Lab ID: 0705115-02
Collection Date: 5/17/07 10:30:00 AM
Collection Time:
Client Sample ID: 002914-SSBKG2
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS BY MCP METH SW8082						Analyst: FQ
Aroclor 1016	ND	55		µg/Kg-dry	1	6/1/07 1:50:00 AM
Aroclor 1221	ND	55		µg/Kg-dry	1	6/1/07 1:50:00 AM
Aroclor 1232	ND	55		µg/Kg-dry	1	6/1/07 1:50:00 AM
Aroclor 1242	ND	55		µg/Kg-dry	1	6/1/07 1:50:00 AM
Aroclor 1248	ND	55		µg/Kg-dry	1	6/1/07 1:50:00 AM
Aroclor 1254	ND	55		µg/Kg-dry	1	6/1/07 1:50:00 AM
Aroclor 1260	86	55		µg/Kg-dry	1	6/1/07 1:50:00 AM
Aroclor 1262	ND	55		µg/Kg-dry	1	6/1/07 1:50:00 AM
Aroclor 1268	ND	55		µg/Kg-dry	1	6/1/07 1:50:00 AM
Surr: Tetrachloro-m-xylene	76.9	30-127		%REC	1	6/1/07 1:50:00 AM
Surr: Decachlorobiphenyl	87.6	30-136		%REC	1	6/1/07 1:50:00 AM

AMRO Environmental Laboratories Corp.

Date: *05-Jun-07*

CLIENT: GEI Consultants, Inc. **Lab Order:** 0705115
Project: 00291-4 DCR Canton Airport

Lab ID: 0705115-03 **Collection Date:** 5/17/07 10:50:00 AM
Collection Time:
Client Sample ID: 002914-SSBKG3 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS BY MCP METH SW8082						Analyst: FQ
Aroclor 1016	ND	29		µg/Kg-dry	1	6/1/07 2:16:00 AM
Aroclor 1221	ND	29		µg/Kg-dry	1	6/1/07 2:16:00 AM
Aroclor 1232	ND	29		µg/Kg-dry	1	6/1/07 2:16:00 AM
Aroclor 1242	ND	29		µg/Kg-dry	1	6/1/07 2:16:00 AM
Aroclor 1248	ND	29		µg/Kg-dry	1	6/1/07 2:16:00 AM
Aroclor 1254	ND	29		µg/Kg-dry	1	6/1/07 2:16:00 AM
Aroclor 1260	ND	29		µg/Kg-dry	1	6/1/07 2:16:00 AM
Aroclor 1262	ND	29		µg/Kg-dry	1	6/1/07 2:16:00 AM
Aroclor 1268	ND	29		µg/Kg-dry	1	6/1/07 2:16:00 AM
Surr: Tetrachloro-m-xylene	83.0	30-127		%REC	1	6/1/07 2:16:00 AM
Surr: Decachlorobiphenyl	75.8	30-136		%REC	1	6/1/07 2:16:00 AM

AMRO Environmental Laboratories Corp.

Date: *06-Jun-07*

CLIENT: GEI Consultants, Inc.
Work Order: 0705115
Project: 00291-4 DCR Canton Airport

QC SUMMARY REPORT

Method Blank

Sample ID **MB-17162** Batch ID: **17162** Test Code: **SW8082** Units: **µg/Kg** Analysis Date **5/30/07 3:32:00 PM** Prep Date **5/29/07**

Client ID: Run ID: **GC-ELVIS_070530A** SeqNo: **612300**

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	25	µg/Kg									
Aroclor 1221	ND	25	µg/Kg									
Aroclor 1232	ND	25	µg/Kg									
Aroclor 1242	ND	25	µg/Kg									
Aroclor 1248	ND	25	µg/Kg									
Aroclor 1254	ND	25	µg/Kg									
Aroclor 1260	ND	25	µg/Kg									
Aroclor 1262	ND	25	µg/Kg									
Aroclor 1268	ND	25	µg/Kg									
Surr: Tetrachloro-m-xylene	6.978	0	µg/Kg	8	0	87.2	35	141	0			
Surr: Decachlorobiphenyl	6.772	0	µg/Kg	8	0	84.6	33	144	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: *06-Jun-07*

CLIENT: GEI Consultants, Inc.
Work Order: 0705115
Project: 00291-4 DCR Canton Airport

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID **LCS-17162** Batch ID: **17162** Test Code: **SW8082** Units: **µg/Kg** Analysis Date **5/30/07 3:58:00 PM** Prep Date **5/29/07**
Client ID: Run ID: **GC-ELVIS_070530A** SeqNo: **612301**

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	408.8	25	µg/Kg	500	0	81.8	45	128	0			
Aroclor 1260	448.9	25	µg/Kg	500	0	89.8	40	130	0			
Surr: Tetrachloro-m-xylene	3.408	0	µg/Kg	8	0	42.6	35	141	0			
Surr: Decachlorobiphenyl	7.058	0	µg/Kg	8	0	88.2	33	144	0			

Sample ID **LCSD-17162** Batch ID: **17162** Test Code: **SW8082** Units: **µg/Kg** Analysis Date **6/1/07 12:57:00 AM** Prep Date **5/29/07**
Client ID: Run ID: **GC-ELVIS_070531A** SeqNo: **612799**

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	463.8	25	µg/Kg	500	0	92.8	45	128	408.8	12.6	50	
Aroclor 1260	451.2	25	µg/Kg	500	0	90.2	40	130	448.9	0.495	50	
Surr: Tetrachloro-m-xylene	7.754	0	µg/Kg	8	0	96.9	35	141	0	0	0	
Surr: Decachlorobiphenyl	7.145	0	µg/Kg	8	0	89.3	33	144	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: *05-Jun-07*

CLIENT: GEI Consultants, Inc.
Project: 00291-4 DCR Canton Airport
Lab Order: 0705115

Lab ID: 0705115-01
Collection Date: 5/17/07 10:20:00 AM
Collection Time:
Client Sample ID: 002914-SSBKG1
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		**SW6010B**				Analyst: **RK**
Barium	58.1	52.6		mg/Kg-dry	1	5/24/07 6:27:07 PM
Beryllium	2.19	0.657		mg/Kg-dry	1	5/24/07 6:27:07 PM
Chromium	27.6	2.63		mg/Kg-dry	1	5/24/07 6:27:07 PM
Lead	39.5	6.57		mg/Kg-dry	1	5/24/07 6:27:07 PM
Nickel	ND	10.5		mg/Kg-dry	1	5/24/07 6:27:07 PM
Vanadium	ND	13.1		mg/Kg-dry	1	5/24/07 6:27:07 PM
Zinc	41.9	15.8		mg/Kg-dry	1	5/24/07 6:27:07 PM
PERCENT MOISTURE		**D2216**				Analyst: **CB**
Percent Moisture	53.4	0		wt%	1	5/24/07
TOTAL ORGANIC CARBON, SOIL		**CFAS18**				Analyst: **GM**
Total Organic Carbon	97,000	1,500		mg/Kg-dry	1	5/29/07

Lab ID: 0705115-02
Collection Date: 5/17/07 10:30:00 AM
Collection Time:
Client Sample ID: 002914-SSBKG2
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		**SW6010B**				Analyst: **RK**
Barium	ND	54.4		mg/Kg-dry	1	5/24/07 6:32:30 PM
Beryllium	1.04	0.680		mg/Kg-dry	1	5/24/07 6:32:30 PM
Chromium	56.2	2.72		mg/Kg-dry	1	5/24/07 6:32:30 PM
Lead	64.5	6.80		mg/Kg-dry	1	5/24/07 6:32:30 PM
Nickel	ND	10.9		mg/Kg-dry	1	5/24/07 6:32:30 PM
Vanadium	20.3	13.6		mg/Kg-dry	1	5/24/07 6:32:30 PM
Zinc	48.1	16.3		mg/Kg-dry	1	5/24/07 6:32:30 PM
PERCENT MOISTURE		**D2216**				Analyst: **CB**
Percent Moisture	54.4	0		wt%	1	5/24/07
TOTAL ORGANIC CARBON, SOIL		**CFAS18**				Analyst: **GM**
Total Organic Carbon	71,000	1,500		mg/Kg-dry	1	5/29/07

AMRO Environmental Laboratories Corp.

Date: *05-Jun-07*

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

Lab Order: 0705115

Lab ID: 0705115-03

Collection Date: 5/17/07 10:50:00 AM
Collection Time:

Client Sample ID: 002914-SSBKG3

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		**SW6010B**				Analyst: **RK**
Barium	ND	30.1		mg/Kg-dry	1	5/24/07 6:37:54 PM
Beryllium	ND	0.377		mg/Kg-dry	1	5/24/07 6:37:54 PM
Chromium	15.2	1.51		mg/Kg-dry	1	5/24/07 6:37:54 PM
Lead	49.7	3.77		mg/Kg-dry	1	5/24/07 6:37:54 PM
Nickel	ND	6.03		mg/Kg-dry	1	5/24/07 6:37:54 PM
Vanadium	8.08	7.54		mg/Kg-dry	1	5/24/07 6:37:54 PM
Zinc	30.5	9.04		mg/Kg-dry	1	5/24/07 6:37:54 PM
PERCENT MOISTURE		**D2216**				Analyst: **CB**
Percent Moisture	18.9	0		wt%	1	5/24/07
TOTAL ORGANIC CARBON, SOIL		**CFAS18**				Analyst: **GM**
Total Organic Carbon	32,000	860		mg/Kg-dry	1	5/29/07

AMRO Environmental Laboratories Corp.

Date: *31-May-07*

CLIENT: GEI Consultants, Inc.
Work Order: 0705115
Project: 00291-4 DCR Canton Airport

QC SUMMARY REPORT

Method Blank

Sample ID **MB-17141** Batch ID: **17141** Test Code: **SW6010B** Units: **mg/Kg** Analysis Date **5/24/07 4:54:46 PM** Prep Date **5/23/07**

Client ID: Run ID: **ICP-OPTIMA_070524A** SeqNo: **611604**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Barium	ND	20	mg/Kg									
Beryllium	ND	0.25	mg/Kg									
Chromium	ND	1.0	mg/Kg									
Lead	ND	2.5	mg/Kg									
Nickel	ND	4.0	mg/Kg									
Vanadium	ND	5.0	mg/Kg									
Zinc	ND	6.0	mg/Kg									

Sample ID **MB-R36919** Batch ID: **R36919** Test Code: **CFAS18** Units: **mg/Kg** Analysis Date **5/29/07** Prep Date

Client ID: Run ID: **ING-WET_070529A** SeqNo: **611832**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Total Organic Carbon	ND	700	mg/Kg									

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: *31-May-07*

CLIENT: GEI Consultants, Inc.
Work Order: 0705115
Project: 00291-4 DCR Canton Airport

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID **LCS-17141** Batch ID: **17141** Test Code: **SW6010B** Units: **mg/Kg** Analysis Date **5/24/07 4:58:52 PM** Prep Date **5/23/07**
Client ID: Run ID: **ICP-OPTIMA_070524A** SeqNo: **611605**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Barium	395.2	20	mg/Kg	403	0	98.1	80	120	0			
Beryllium	74.6	0.25	mg/Kg	79.7	0	93.6	80	120	0			
Chromium	398.3	1.0	mg/Kg	400	0	99.6	80	120	0			
Lead	196.1	2.5	mg/Kg	199.8	0	98.1	80	120	0			
Nickel	396.1	4.0	mg/Kg	398.4	0	99.4	80	120	0			
Vanadium	398	5.0	mg/Kg	400	0	99.5	80	120	0			
Zinc	393	6.0	mg/Kg	398.4	0	98.6	80	120	0			

Sample ID **LCS-17141D** Batch ID: **17141** Test Code: **SW6010B** Units: **mg/Kg** Analysis Date **5/24/07 5:04:40 PM** Prep Date **5/23/07**
Client ID: Run ID: **ICP-OPTIMA_070524A** SeqNo: **611606**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Barium	396.3	20	mg/Kg	403	0	98.3	80	120	395.2	0.28	20	
Beryllium	74.82	0.25	mg/Kg	79.7	0	93.9	80	120	74.6	0.295	20	
Chromium	398.9	1.0	mg/Kg	400	0	99.7	80	120	398.3	0.149	20	
Lead	198	2.5	mg/Kg	199.8	0	99.1	80	120	196.1	0.949	20	
Nickel	399.1	4.0	mg/Kg	398.4	0	100	80	120	396.1	0.756	20	
Vanadium	398.7	5.0	mg/Kg	400	0	99.7	80	120	398	0.163	20	
Zinc	396.1	6.0	mg/Kg	398.4	0	99.4	80	120	393	0.807	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: *31-May-07*

CLIENT: GEI Consultants, Inc.
Work Order: 0705115
Project: 00291-4 DCR Canton Airport

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID **LCS-R36919** Batch ID: **R36919** Test Code: **CFAS18** Units: **mg/Kg** Analysis Date **5/29/07** Prep Date
Client ID: Run ID: **ING-WET_070529A** SeqNo: **611833**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Total Organic Carbon	11620	700	mg/Kg	12400	0	93.7	76	124	0			

Sample ID **LCSD** Batch ID: **R36919** Test Code: **CFAS18** Units: **mg/Kg** Analysis Date **5/29/07** Prep Date
Client ID: Run ID: **ING-WET_070529A** SeqNo: **611841**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Total Organic Carbon	11720	700	mg/Kg	12400	0	94.5	76	124	11620	0.834	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: *31-May-07*

CLIENT: GEI Consultants, Inc.
Work Order: 0705115
Project: 00291-4 DCR Canton Airport

QC SUMMARY REPORT

Sample Duplicate

Sample ID **0705115-03AD** Batch ID: **R36919** Test Code: **CFAS18** Units: **mg/Kg-dry** Analysis Date **5/29/07** Prep Date

Client ID: **002914-SSBKG3** Run ID: **ING-WET_070529A** SeqNo: **611838**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Total Organic Carbon	28320	860	mg/Kg-dry	0	0	0	0	0	31660	11.1	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