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

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.: 0705079

Dear Raymond Siegener:

AMRO Environmental Laboratories Corp. received 3 samples on 5/11/07 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 20 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: *22-May-07*

CLIENT: GEI Consultants, Inc.
Project: 00291-4 DCR Canton Airport
Lab Order: 0705079
Date Received: 5/11/07

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Collection Date	Collection Time
0705079-01A	002914-SW-BKG-4	5/10/07	11:50 AM
0705079-01B	002914-SW-BKG-4	5/10/07	11:50 AM
0705079-01C	002914-SW-BKG-4	5/10/07	11:50 AM
0705079-02A	002914-SW-BKG-5	5/10/07	12:45 PM
0705079-02B	002914-SW-BKG-5	5/10/07	12:45 PM
0705079-02C	002914-SW-BKG-5	5/10/07	12:45 PM
0705079-03A	002914-SW-BKG-6	5/10/07	1:45 PM
0705079-03B	002914-SW-BKG-6	5/10/07	1:45 PM
0705079-03C	002914-SW-BKG-6	5/10/07	1:45 PM

AMRO Environmental Laboratories Corp.

22-May-07

Lab Order: 0705079
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
0705079-01A	002914-SW-BKG-4	5/10/07 11:50:00 AM	Aqueous	EPA 8082 PCBS IN WATER		5/15/07	
				EPA 3510 AQPREP SEP FUNNEL: PCB	5/14/07	17095	
0705079-01B				HARDNESS		5/16/07	
						R36804	
0705079-01C				EPA 6010B ICP METALS, DISSOLVED		5/16/07	
				EPA 3010 AQPREP TOTAL METALS: ICP/GFAA	5/15/07	17104	
				EPA 7421 LEAD, Dissolved		5/21/07	
					5/15/07	17104	
0705079-02A	002914-SW-BKG-5	5/10/07 12:45:00 PM		EPA 8082 PCBS IN WATER		5/15/07	
				EPA 3510 AQPREP SEP FUNNEL: PCB	5/14/07	17095	
0705079-02B				HARDNESS		5/16/07	
						R36804	
0705079-02C				EPA 6010B ICP METALS, DISSOLVED		5/16/07	
				EPA 3010 AQPREP TOTAL METALS: ICP/GFAA	5/15/07	17104	
				EPA 7421 LEAD, Dissolved		5/21/07	
					5/15/07	17104	
0705079-03A	002914-SW-BKG-6	5/10/07 1:45:00 PM		EPA 8082 PCBS IN WATER		5/15/07	
				EPA 3510 AQPREP SEP FUNNEL: PCB	5/14/07	17095	
0705079-03B				HARDNESS		5/16/07	
						R36804	
0705079-03C				EPA 6010B ICP METALS, DISSOLVED		5/16/07	
				EPA 3010 AQPREP TOTAL METALS: ICP/GFAA	5/15/07	17104	
				EPA 7421 LEAD, Dissolved		5/21/07	
					5/15/07	17104	

Chain-of-Custody Record

Laboratory: AMRO

Laboratory Job # (Lab use only) 0705079

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 __

Preservative: HNO3, HNO3

Analysis: PCB, Hardness, Metals (see note)

Sample Handling: Samples Field Filtered — YES (for metals only) 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	Hardness	Metals (see note)						Sample Specific Remarks
	002914-SW-BKG-4	5/10/2007	11:50	Water	4	BA	X	X	X						
	002914-SW-BKG-5	5/10/2007	12:45	Water	4	BA	X	X	X						
	002914-SW-BKG-6	5/10/2007	13:45	Water	4	BA	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)
Bradley J Atkins	5/10/07	1700	1. GEI FRIDGE
Relinquished by: (signature) 2. GEI Fridge	5/11/07	1355	Received by: (signature) 2. Andrea Igo
Relinquished by: (signature) 3. Andrea Igo	5/11/07	1355	Received by: (signature) 3. W H Lawson
Relinquished by: (signature) 4. W H Lawson	5/11/07	1530	Received by: (signature) 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: Ba, Be, Cd, Cr, Pb, Va, Zn

Geotechnical
Environmental &
Water Resources
Engineering

GEI Consultants

FAX

400 Unicorn Park Drive
Woburn, MA 01801
Tel. 781-721-4000 Fax 781-721-4073
www.geiconsultants.com

5/16/07	002914	1200	3
Date	GEI Project / Proposal No.	Task Code (If Required)	Number of Pages Including This Page

To: Sample Login – AMRO

Fax No: 603.429.8496

From: Saskia Oosting

Message:

Attached are two COCs for Canton Airport. The listed metals were incorrect. They should be the same 7 metals as previous short lists: barium, beryllium, chromium, lead, nickel, vanadium, and zinc. Please let me know if you have questions.

Saskia

0705080 – SED
0705079 – AQ

GEI Use: Check One File ___ Discard ___ Return to: _____

Chain-of-Custody Record

Laboratory: AMRO

Laboratory Job # (Lab use only)

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

Preservative: HNO3 HNO3

Analysis

Sample Handling

Samples Field Filtered: YES NO NA — for metals only

Sampled Shipped With Ice: YES NO

Lab Sample Number	GEI Sample ID	Collection Date	Collection Time	Matrix	No. of Bottles	Sampler(s) Initials	PCB	Hardness	Metals (see note)						Sample Specific Remarks
	002914-SW-BKG-4	5/10/2007	11:50	Water	4	BA	X	X	X						
	002914-SW-BKG-5	5/10/2007	12:45	Water	4	BA	X	X	X						
	002914-SW-BKG-6	5/10/2007	13:45	Water	4	BA	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)
Bradley J Atkins	5/10/07	1700	1. GEI FRIDGE
2. GEI Fridge	5/11/07	1355	2. Andrea Igo
3. Andrea Igo	5/11/07	1355	3. [signature]
4.			4.

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

SEO 5/15/07 SEO 5/15/07

Metals: Ba, Be, ~~Cd~~, Cr, Pb, Va, Zn, Ni

V:\002914 Canton Airport\COC\COC SW May10

AMRO Environmental Laboratories Corporation

SAMPLE RECEIPT CHECKLIST

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

Client: GEI
Project Name: 00294 ~~DGR~~ Canton Airport
Ship via: (circle one) Fed Ex., UPS, AMRO Courier, Hand Del., Other Courier, Other:

AMRO ID: 0705079
Date Rec.: 5-11-07
Date Due: 5-18-07

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 = 2°				
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: CC Date: 5-11-07 Logged in By: CC Date: 5-14-07
Labeled By: CC Date: 5-14-07 Checked By: MG Date: 5-15-07

NA= Not Applicable

AMRO Environmental
Laboratories Corporation

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

Please Circle if:
Sample= Soil
Sample= Waste

AMRO ID: 0705079

Sample ID	Analysis	Volume Sample	Preserv. Listed	Initial pH*	Acceptable? Y or N	List Preserv. Added by AMRO	Solution ID # of Preserv.	Volume Preservative Added	Final adjusted pH	Final adjusted pH (after 16 hours)
01A=703A	PCB	2-1L Amb	None	—	—					
01B=703B	HARD.	500mL	HNO3	<2	X					
01C=703C	METALS	500mL	HNO3	<2	X					

*= *if the laboratory preserves the drinking water sample (s) for EPA Method 200 series, sample (s) should be held at least 16 hours prior to analysis*

pH Checked By: CC Date: 5-11-07 pH adjusted By: _____ Date: _____

pH Checked By: _____ Date: _____ pH adjusted (16hrs) By: _____ Date: _____

CASE NARRATIVE

PCB:

1. The recovery for the surrogate Decachlorobiphenyl was below the laboratory control limits in samples 002914-SW-BKG-5 (0705079-02) and 002914-SW-BKG-6 (0705079-03).

METALS:

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

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: AMRO Environmental Laboratories, Inc. Project Number: 0705079

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

0705079-01	0705079-02	0705079-03				

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] N/A

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: [signature] 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: *22-May-07*

CLIENT: GEI Consultants, Inc.
Project: 00291-4 DCR Canton Airport
Lab Order: 0705079

Lab ID: 0705079-01
Collection Date: 5/10/07 11:50:00 AM
Collection Time:
Client Sample ID: 002914-SW-BKG-4
Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS BY MCP METH SW8082						Analyst: FQ
Aroclor 1262	ND	0.20		µg/L	1	5/15/07 3:37:00 AM
Aroclor 1268	ND	0.20		µg/L	1	5/15/07 3:37:00 AM
Aroclor 1016	ND	0.20		µg/L	1	5/15/07 3:37:00 AM
Aroclor 1221	ND	0.20		µg/L	1	5/15/07 3:37:00 AM
Aroclor 1232	ND	0.20		µg/L	1	5/15/07 3:37:00 AM
Aroclor 1242	ND	0.20		µg/L	1	5/15/07 3:37:00 AM
Aroclor 1248	ND	0.20		µg/L	1	5/15/07 3:37:00 AM
Aroclor 1254	ND	0.20		µg/L	1	5/15/07 3:37:00 AM
Aroclor 1260	ND	0.20		µg/L	1	5/15/07 3:37:00 AM
Surr: Decachlorobiphenyl	45.9	30-119		%REC	1	5/15/07 3:37:00 AM
Surr: Tetrachloro-m-xylene	69.5	34-113		%REC	1	5/15/07 3:37:00 AM

Lab ID: 0705079-02
Collection Date: 5/10/07 12:45:00 PM
Collection Time:
Client Sample ID: 002914-SW-BKG-5
Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS BY MCP METH SW8082						Analyst: FQ
Aroclor 1262	ND	0.20		µg/L	1	5/15/07 4:03:00 AM
Aroclor 1268	ND	0.20		µg/L	1	5/15/07 4:03:00 AM
Aroclor 1016	ND	0.20		µg/L	1	5/15/07 4:03:00 AM
Aroclor 1221	ND	0.20		µg/L	1	5/15/07 4:03:00 AM
Aroclor 1232	ND	0.20		µg/L	1	5/15/07 4:03:00 AM
Aroclor 1242	ND	0.20		µg/L	1	5/15/07 4:03:00 AM
Aroclor 1248	ND	0.20		µg/L	1	5/15/07 4:03:00 AM
Aroclor 1254	ND	0.20		µg/L	1	5/15/07 4:03:00 AM
Aroclor 1260	ND	0.20		µg/L	1	5/15/07 4:03:00 AM
Surr: Decachlorobiphenyl	21.8	30-119	S	%REC	1	5/15/07 4:03:00 AM
Surr: Tetrachloro-m-xylene	49.4	34-113		%REC	1	5/15/07 4:03:00 AM

AMRO Environmental Laboratories Corp.

Date: *22-May-07*

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

Lab Order: 0705079

Lab ID: 0705079-03

Collection Date: 5/10/07 1:45:00 PM
Collection Time:

Client Sample ID: 002914-SW-BKG-6

Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS BY MCP METH SW8082						Analyst: **FQ**
Aroclor 1262	ND	0.20		µg/L	1	5/15/07 4:30:00 AM
Aroclor 1268	ND	0.20		µg/L	1	5/15/07 4:30:00 AM
Aroclor 1016	ND	0.20		µg/L	1	5/15/07 4:30:00 AM
Aroclor 1221	ND	0.20		µg/L	1	5/15/07 4:30:00 AM
Aroclor 1232	ND	0.20		µg/L	1	5/15/07 4:30:00 AM
Aroclor 1242	ND	0.20		µg/L	1	5/15/07 4:30:00 AM
Aroclor 1248	ND	0.20		µg/L	1	5/15/07 4:30:00 AM
Aroclor 1254	ND	0.20		µg/L	1	5/15/07 4:30:00 AM
Aroclor 1260	ND	0.20		µg/L	1	5/15/07 4:30:00 AM
Surr: Decachlorobiphenyl	17.1	30-119	S	%REC	1	5/15/07 4:30:00 AM
Surr: Tetrachloro-m-xylene	51.8	34-113		%REC	1	5/15/07 4:30:00 AM

AMRO Environmental Laboratories Corp.

Date: *25-May-07*

CLIENT: GEI Consultants, Inc.
Work Order: 0705079
Project: 00291-4 DCR Canton Airport

QC SUMMARY REPORT

Method Blank

Sample ID **MB-17095** Batch ID: **17095** Test Code: **SW8082** Units: **µg/L** Analysis Date **5/14/07 8:37:00 PM** Prep Date **5/14/07**

Client ID: Run ID: **GC-ELVIS_070514C** SeqNo: **610568**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Aroclor 1262	ND	0.20	µg/L									
Aroclor 1268	ND	0.20	µg/L									
Aroclor 1016	ND	0.20	µg/L									
Aroclor 1221	ND	0.20	µg/L									
Aroclor 1232	ND	0.20	µg/L									
Aroclor 1242	ND	0.20	µg/L									
Aroclor 1248	ND	0.20	µg/L									
Aroclor 1254	ND	0.20	µg/L									
Aroclor 1260	ND	0.20	µg/L									
Surr: Decachlorobiphenyl	0.0456	0	µg/L	0.064	0	71.2	30	119	0			
Surr: Tetrachloro-m-xylene	0.04603	0	µg/L	0.064	0	71.9	34	113	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: 0705079
Project: 00291-4 DCR Canton Airport

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID **LCS-17095** Batch ID: **17095** Test Code: **SW8082** Units: **µg/L** Analysis Date **5/14/07 9:03:00 PM** Prep Date **5/14/07**
Client ID: Run ID: **GC-ELVIS_070514C** SeqNo: **610569**

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	3.601	0.20	µg/L	4	0	90	51	125	0			
Aroclor 1260	3.376	0.20	µg/L	4	0	84.4	50	133	0			
Surr: Decachlorobiphenyl	0.0588	0	µg/L	0.064	0	91.9	30	119	0			
Surr: Tetrachloro-m-xylene	0.06186	0	µg/L	0.064	0	96.6	34	113	0			

Sample ID **LCSD-17095** Batch ID: **17095** Test Code: **SW8082** Units: **µg/L** Analysis Date **5/14/07 9:29:00 PM** Prep Date **5/14/07**
Client ID: Run ID: **GC-ELVIS_070514C** SeqNo: **610570**

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	3.408	0.20	µg/L	4	0	85.2	51	125	3.601	5.49	50	
Aroclor 1260	3.252	0.20	µg/L	4	0	81.3	50	133	3.376	3.73	50	
Surr: Decachlorobiphenyl	0.05766	0	µg/L	0.064	0	90.1	30	119	0	0	0	
Surr: Tetrachloro-m-xylene	0.0606	0	µg/L	0.064	0	94.7	34	113	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: *22-May-07*

CLIENT: GEI Consultants, Inc.
Project: 00291-4 DCR Canton Airport
Lab Order: 0705079

Lab ID: 0705079-01
Collection Date: 5/10/07 11:50:00 AM
Collection Time:
Client Sample ID: 002914-SW-BKG-4
Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS DISSOLVED SW-846		**SW6010B**				Analyst: **RK**
Barium	ND	200		µg/L	1	5/16/07 3:01:42 PM
Beryllium	ND	4.00		µg/L	1	5/16/07 3:01:42 PM
Chromium	ND	10.0		µg/L	1	5/16/07 3:01:42 PM
Nickel	ND	40.0		µg/L	1	5/16/07 3:01:42 PM
Vanadium	ND	50.0		µg/L	1	5/16/07 3:01:42 PM
Zinc	ND	20.0		µg/L	1	5/16/07 3:01:42 PM
HARDNESS AS CACO3		**SW6010B**				Analyst: **RK**
Hardness (As CaCO3)	34	17		mg/L	1	5/16/07
LEAD, DISSOLVED		**SW7421**				Analyst: **REB**
Lead	ND	5.0		µg/L	1	5/21/07 5:01:55 PM

Lab ID: 0705079-02
Collection Date: 5/10/07 12:45:00 PM
Collection Time:
Client Sample ID: 002914-SW-BKG-5
Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS DISSOLVED SW-846		**SW6010B**				Analyst: **RK**
Barium	ND	200		µg/L	1	5/16/07 3:48:33 PM
Beryllium	ND	4.00		µg/L	1	5/16/07 3:48:33 PM
Chromium	25.3	10.0		µg/L	1	5/16/07 3:48:33 PM
Nickel	ND	40.0		µg/L	1	5/16/07 3:48:33 PM
Vanadium	ND	50.0		µg/L	1	5/16/07 3:48:33 PM
Zinc	28.4	20.0		µg/L	1	5/16/07 3:48:33 PM
HARDNESS AS CACO3		**SW6010B**				Analyst: **RK**
Hardness (As CaCO3)	59	17		mg/L	1	5/16/07
LEAD, DISSOLVED		**SW7421**				Analyst: **REB**
Lead	ND	5.0		µg/L	1	5/21/07 5:53:26 PM

AMRO Environmental Laboratories Corp.

Date: *22-May-07*

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

Lab Order: 0705079

Lab ID: 0705079-03

Collection Date: 5/10/07 1:45:00 PM
Collection Time:

Client Sample ID: 002914-SW-BKG-6

Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS DISSOLVED SW-846		**SW6010B**				Analyst: **RK**
Barium	ND	200		µg/L	1	5/16/07 3:59:20 PM
Beryllium	ND	4.00		µg/L	1	5/16/07 3:59:20 PM
Chromium	24.6	10.0		µg/L	1	5/16/07 3:59:20 PM
Nickel	ND	40.0		µg/L	1	5/16/07 3:59:20 PM
Vanadium	ND	50.0		µg/L	1	5/16/07 3:59:20 PM
Zinc	ND	20.0		µg/L	1	5/16/07 3:59:20 PM
HARDNESS AS CACO3		**SW6010B**				Analyst: **RK**
Hardness (As CaCO3)	42	17		mg/L	1	5/16/07
LEAD, DISSOLVED		**SW7421**				Analyst: **REB**
Lead	ND	5.0		µg/L	1	5/21/07 6:00:41 PM

AMRO Environmental Laboratories Corp.

Date: *22-May-07*

CLIENT: GEI Consultants, Inc.
Work Order: 0705079
Project: 00291-4 DCR Canton Airport

QC SUMMARY REPORT

Method Blank

Sample ID: **MB-17104** Batch ID: **17104** Test Code: **SW6010B** Units: **µg/L** Analysis Date: **5/16/2007 2:46:32 PM** Prep Date: **5/15/2007**
Client ID: Run ID: **ICP-OPTIMA_070516A** SeqNo: **609757**

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	200	µg/L									
Beryllium	ND	4.0	µg/L									
Chromium	ND	10	µg/L									
Nickel	ND	40	µg/L									
Vanadium	ND	50	µg/L									
Zinc	ND	20	µg/L									

Sample ID: **MB-R36804** Batch ID: **R36804** Test Code: **SW6010B** Units: **mg/L** Analysis Date: **5/16/2007** Prep Date:
Client ID: Run ID: **ICP-OPTIMA_070516B** SeqNo: **609964**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Hardness (As CaCO3)	ND	17	mg/L									

Sample ID: **MB-17104** Batch ID: **17104** Test Code: **SW7421** Units: **µg/L** Analysis Date: **5/21/2007 4:40:26 PM** Prep Date: **5/15/2007**
Client ID: Run ID: **GFAA-6000_070521C** SeqNo: **610752**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Lead	ND	5.0	µg/L									

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: *22-May-07*

CLIENT: GEI Consultants, Inc.
Work Order: 0705079
Project: 00291-4 DCR Canton Airport

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID: **LCS-17104** Batch ID: **17104** Test Code: **SW6010B** Units: **µg/L** Analysis Date: **5/16/2007 2:50:38 PM** Prep Date: **5/15/2007**
Client ID: Run ID: **ICP-OPTIMA_070516A** SeqNo: **609758**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Barium	4005	200	µg/L	4028	0	99.4	80	120	0			
Beryllium	786.4	4.0	µg/L	797	0	98.7	80	120	0			
Chromium	4006	10	µg/L	3976	0	101	80	120	0			
Nickel	4075	40	µg/L	3984	0	102	80	120	0			
Vanadium	4013	50	µg/L	4000	0	100	80	120	0			
Zinc	3999	20	µg/L	3984	0	100	80	120	0			

Sample ID: **LCS-17104D** Batch ID: **17104** Test Code: **SW6010B** Units: **µg/L** Analysis Date: **5/16/2007 2:56:10 PM** Prep Date: **5/15/2007**
Client ID: Run ID: **ICP-OPTIMA_070516A** SeqNo: **609759**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Barium	3999	200	µg/L	4028	0	99.3	80	120	4005	0.138	0	
Beryllium	791.2	4.0	µg/L	797	0	99.3	80	120	786.4	0.604	0	
Chromium	3990	10	µg/L	3976	0	100	80	120	4006	0.4	0	
Nickel	4081	40	µg/L	3984	0	102	80	120	4075	0.149	0	
Vanadium	4016	50	µg/L	4000	0	100	80	120	4013	0.0637	0	
Zinc	4031	20	µg/L	3984	0	101	80	120	3999	0.798	0	

Sample ID: **LCS-R36804** Batch ID: **R36804** Test Code: **SW6010B** Units: **mg/L** Analysis Date: **5/16/2007** Prep Date:
Client ID: Run ID: **ICP-OPTIMA_070516B** SeqNo: **609965**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Hardness (As CaCO3)	137.7	17	mg/L	132.3	0	104	80	120	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: *22-May-07*

CLIENT: GEI Consultants, Inc.
Work Order: 0705079
Project: 00291-4 DCR Canton Airport

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Sample ID: **LCS-R36804D** Batch ID: **R36804** Test Code: **SW6010B** Units: **mg/L** Analysis Date: **5/16/2007** Prep Date:
Client ID: Run ID: **ICP-OPTIMA_070516B** SeqNo: **609969**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Hardness (As CaCO3)	137.3	17	mg/L	132.3	0	104	80	120	137.7	0.253	20	

Sample ID: **LCS-17104** Batch ID: **17104** Test Code: **SW7421** Units: **µg/L** Analysis Date: **5/21/2007 4:47:35 PM** Prep Date: **5/15/2007**
Client ID: Run ID: **GFAA-6000_070521C** SeqNo: **610753**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Lead	26.51	5.0	µg/L	25	0	106	80	120	0			

Sample ID: **LCS-17104D** Batch ID: **17104** Test Code: **SW7421** Units: **µg/L** Analysis Date: **5/21/2007 4:54:45 PM** Prep Date: **5/15/2007**
Client ID: Run ID: **GFAA-6000_070521C** SeqNo: **610754**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Lead	26.43	5.0	µg/L	25	0	106	80	120	26.51	0.299	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