AMRO Environmental Laboratories Corporation

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

June 03, 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.: 1005062

Dear Raymond Siegener:

AMRO Environmental Laboratories Corp. received 13 samples on 5/18/2010 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 25 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:** *28-May-10*

**CLIENT:** GEI Consultants, Inc.
**Project:** 09382-2 Canton Airport
**Lab Order:** 1005062
**Date Received:** 5/25/2010

## Work Order Sample Summary

| Lab Sample ID | Client Sample ID | Collection Date | Collection Time |
|---|---|---|---|
| 1005062-01A | 093822-LOC15-METAL-SOI | 5/18/2010 | 9:50 AM |
| 1005062-02A | 093822-LOC16-TIRE-SOIL- | 5/18/2010 | 10:00 AM |
| 1005062-03A | 093822-LOC16-TIRE-SOIL- | 5/18/2010 | 10:10 AM |
| 1005062-04A | 093822-LOC17-TIRE-SOIL- | 5/18/2010 | 10:18 AM |
| 1005062-05A | 093822-LOC19-METAL-SOI | 5/18/2010 | 8:50 AM |
| 1005062-06A | 093822-LOC20-FENDER-S | 5/18/2010 | 8:55 AM |
| 1005062-07A | 093822-LOC24-CAR-SOIL-1 | 5/18/2010 | 9:15 AM |
| 1005062-08A | 093822-LOC25-DRUM-SOI | 5/18/2010 | 9:20 AM |
| 1005062-09A | 093822-LOC41-TIRE-SOIL- | 5/18/2010 | 11:07 AM |
| 1005062-10A | 093822-LOC57-PILE-SOIL- | 5/18/2010 | 12:10 PM |
| 1005062-11A | 093822-LOC60-PILE-SOIL- | 5/18/2010 | 12:08 PM |
| 1005062-12A | 093822-LOC61-DOOR-SOIL | 5/18/2010 | 12:05 PM |
| 1005062-13A | 093822-SOIL-DUP-1 | 5/18/2010 | 12:00 PM |

# AMRO Environmental Laboratories Corp.

*28-May-10*

**Lab Order:** 1005062
**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 |
|---|---|---|---|---|---|---|---|
| 1005062-01A | 093822-LOC15-METAL-SO | 5/18/2010 9:50:00 AM | Soil | EPA 8082 PCBS IN SOIL/SOLIDS | | 5/26/2010 | |
| | | | | EPA 3540C SOPREP SOXHLET: PCBS | 5/25/2010 | 20241 | |
| | | | | Percent Moisture | | 5/26/2010 | |
| | | | | | | R44686 | |
| 1005062-02A | 093822-LOC16-TIRE-SOIL- | 5/18/2010 10:00:00 AM | | EPA 8082 PCBS IN SOIL/SOLIDS | | 5/26/2010 | |
| | | | | EPA 3540C SOPREP SOXHLET: PCBS | 5/25/2010 | 20241 | |
| | | | | Percent Moisture | | 5/26/2010 | |
| | | | | | | R44686 | |
| 1005062-03A | 093822-LOC16-TIRE-SOIL- | 5/18/2010 10:10:00 AM | | EPA 8082 PCBS IN SOIL/SOLIDS | | 5/26/2010 | |
| | | | | EPA 3540C SOPREP SOXHLET: PCBS | 5/25/2010 | 20241 | |
| | | | | Percent Moisture | | 5/26/2010 | |
| | | | | | | R44686 | |
| 1005062-04A | 093822-LOC17-TIRE-SOIL- | 5/18/2010 10:18:00 AM | | EPA 8082 PCBS IN SOIL/SOLIDS | | 5/26/2010 | |
| | | | | EPA 3540C SOPREP SOXHLET: PCBS | 5/25/2010 | 20241 | |
| | | | | Percent Moisture | | 5/26/2010 | |
| | | | | | | R44686 | |
| 1005062-05A | 093822-LOC19-METAL-SO | 5/18/2010 8:50:00 AM | | EPA 8082 PCBS IN SOIL/SOLIDS | | 5/26/2010 | |
| | | | | EPA 3540C SOPREP SOXHLET: PCBS | 5/25/2010 | 20241 | |
| | | | | Percent Moisture | | 5/26/2010 | |
| | | | | | | R44686 | |
| 1005062-06A | 093822-LOC20-FENDER-S | 5/18/2010 8:55:00 AM | | EPA 8082 PCBS IN SOIL/SOLIDS | | 5/26/2010 | |
| | | | | EPA 3540C SOPREP SOXHLET: PCBS | 5/25/2010 | 20241 | |
| | | | | Percent Moisture | | 5/26/2010 | |
| | | | | | | R44686 | |

# AMRO Environmental Laboratories Corp.

*28-May-10*

**Lab Order:** 1005062
**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 |
|---|---|---|---|---|---|---|---|
| 1005062-07A | 093822-LOC24-CAR-SOIL- | 5/18/2010 9:15:00 AM | Soil | EPA 8082 PCBS IN SOIL/SOLIDS | | 5/26/2010 | |
| | | | | EPA 3540C SOPREP SOXHLET: PCBS | 5/25/2010 | 20241 | |
| | | | | Percent Moisture | | 5/26/2010 | |
| | | | | | | R44686 | |
| 1005062-08A | 093822-LOC25-DRUM-SOI | 5/18/2010 9:20:00 AM | | EPA 8082 PCBS IN SOIL/SOLIDS | | 5/26/2010 | |
| | | | | EPA 3540C SOPREP SOXHLET: PCBS | 5/25/2010 | 20241 | |
| | | | | Percent Moisture | | 5/26/2010 | |
| | | | | | | R44686 | |
| 1005062-09A | 093822-LOC41-TIRE-SOIL- | 5/18/2010 11:07:00 AM | | EPA 8082 PCBS IN SOIL/SOLIDS | | 5/26/2010 | |
| | | | | EPA 3540C SOPREP SOXHLET: PCBS | 5/25/2010 | 20241 | |
| | | | | Percent Moisture | | 5/26/2010 | |
| | | | | | | R44686 | |
| 1005062-10A | 093822-LOC57-PILE-SOIL- | 5/18/2010 12:10:00 PM | | EPA 8082 PCBS IN SOIL/SOLIDS | | 5/26/2010 | |
| | | | | EPA 3540C SOPREP SOXHLET: PCBS | 5/25/2010 | 20241 | |
| | | | | Percent Moisture | | 5/26/2010 | |
| | | | | | | R44686 | |
| 1005062-11A | 093822-LOC60-PILE-SOIL- | 5/18/2010 12:08:00 PM | | EPA 8082 PCBS IN SOIL/SOLIDS | | 5/27/2010 | |
| | | | | EPA 3540C SOPREP SOXHLET: PCBS | 5/25/2010 | 20241 | |
| | | | | Percent Moisture | | 5/26/2010 | |
| | | | | | | R44686 | |
| 1005062-12A | 093822-LOC61-DOOR-SOI | 5/18/2010 12:05:00 PM | | EPA 8082 PCBS IN SOIL/SOLIDS | | 5/27/2010 | |
| | | | | EPA 3540C SOPREP SOXHLET: PCBS | 5/25/2010 | 20241 | |
| | | | | Percent Moisture | | 5/26/2010 | |
| | | | | | | R44686 | |

**AMRO Environmental Laboratories Corp.** *28-May-10*

**Lab Order:** 1005062
**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 |
|---|---|---|---|---|---|---|---|
| 1005062-13A | 093822-SOIL-DUP-1 | 5/18/2010 12:00:00 PM | Soil | EPA 8082 PCBS IN SOIL/SOLIDS | | 5/27/2010 | |
| | | | | EPA 3540C SOPREP SOXHLET: PCBS | 5/25/2010 | 20241 | |
| | | | | Percent Moisture | | 5/26/2010 | |
| | | | | | | R44686 | |

# Chain-of-Custody Record

Laboratory: AMRO

Laboratory Job # (Lab use only) 1005062

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

**Project Information**

Project Name: Canton Airport
Project Number: 09382-2
Send Report to: Ray Siegener
Send EDD to: labdata@geiconsultants.com
Project Location: Canton, MA
Project Manager: Anne Leifer



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 (Manual Extraction) | Sample Specific Remarks |
|---|---|---|---|---|---|---|---|---|
| | 093822-LOC15-METAL-SOIL-1 | 5/18/10 | 0950 | SO | 1 | SSH | X | HOLD |
| | 093822-LOC16-TIRE-SOIL-1 | | 1000 | | | | | |
| | 093822-LOC16-TIRE-SOIL-2 | | 1010 | | | | | |
| | 093822-LOC17-TIRE-SOIL-1 | | 1018 | | | | | |
| | 093822-LOC19-METAL-SOIL-1 | | 0850 | | | | | |
| | 093822-LOC20-FENDER-SOIL-1 | | 0855 | | | | | |
| | 093822-LOC24-CAR-SOIL-1 | | 0915 | | | | | |
| | 093822-LOC25-DRUM-SOIL-1 | | 0920 | | | | | |
| | 093822-LOC41-TIRE-SOIL-1 | | 1107 | | | | | |
| | 093822-LOC42-FREEZER-SOIL-1 | | 1110 | | | | | |
| | 093822-LOC43-TRUCK-SOIL-1 | | 1115 | | | | | |
| | ~~093822-LOC44-FILE-FILTER-SOIL-1~~ SSH | | ~~1130~~ SSH | | — | — | — | |

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

| Relinquished by: (signature) | Date: | Time: | Received by: (signature) |
|---|---|---|---|
| 1. [signature] | 5/18/10 | 1530 | 1. GEI Sample Fridge |
| 2. GEI Fridge | 5/19/10 | 1145 | 2. [signature] |
| 3. [signature] | " | " | 3. [signature] |
| 4. [signature] | 5/19 | 1330 | 4. [signature] |

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

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

Additional Requirements/Comments/Remarks:

*Soxlet Extraction Required

*PLEASE HOLD ALL SOIL SAMPLES.
DCR rules apply

# Chain-of-Custody Record

Laboratory: AMRO

Laboratory Job # (Lab use only) 1005062

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: Ray Siegener

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 (Manual Extraction) | Sample Specific Remarks |
|---|---|---|---|---|---|---|---|---|
| | 093822-LOC44-PILE-SOIL-1 | 5/18/10 | 1130 | SO | 1 | SSH | X | HOLD |
| | 093822-LOC45-TIRE-SOIL-1 | ↓ | 1140 | ↓ | ↓ | ↓ | ↓ | ↓ |
| | 093822-LOC46-BOWL-SOIL-1 | | 1157 | | | | | |
| | 093822-LOC57-PILE-[illegible]SOIL-1 | | 1210 | | | | | |
| | 093822-LOC60-PILE-SOIL-1 | | 1208 | | | | | |
| | 093822-LOC61-DOOR-SOIL-1 | | 1205 | ✓ | ✓ | | | |
| | ~~093822-DEGEIS-DUP~~ | | — | — | — | | | |
| | 093822-SOIL-DUP-1 | | 1200 | SO | 1 | | | |
| | 093822-SOIL-DUP-2 | ↓ | 1200 | SO | 1 | ↓ | ↓ | ↓ |

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] | 5/18/10 | 1530 | GEI Sample Fridge |
| 2. | GEI Fridge | 5/19/10 | 1145 | [signature] |
| 3. | [signature] | " | " | [signature] |
| 4. | [signature] | 5/19 | 1312 | [signature] |

Turnaround Time (Business days):

Normal __X__ Other ____

10-Day ____ 7-Day ____

5-Day ____ 3-Day ____

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

**Additional Requirements/Comments/Remarks:**

*Soxlet Extraction Required

*PLEASE HOLD ALL SOIL SAMPLES*

DCR rates apply

**Mirta Ghiraldi**

**From:** Haley, Heather [HHaley@geiconsultants.com]
**Sent:** Tuesday, May 25, 2010 9:42 AM
**To:** Mirta Ghiraldi
**Cc:** Siegener, Ray; Oosting, Saskia; Leifer, Anne
**Subject:** Canton Airport Soil Samples on hold

Hi Mirta,

Could you please take the following samples collected on **5/18/10** off "HOLD" and run and analyze them for PCBs with manual soxhlet extraction:

093822-LOC15-METAL-SOIL-1
093822-LOC16-TIRE-SOIL-1
093822-LOC16-TIRE-SOIL-2
093822-LOC17-TIRE-SOIL-1
093822-LOC19-METAL-SOIL-1
093822-LOC20-FENDER-SOIL-1
093822-LOC24-CAR-SOIL-1
093822-LOC25-DRUM-SOIL-1
093822-LOC41-TIRE-SOIL-1
093822-LOC57-PILE-SOIL-1
093822-LOC60-PILE-SOIL-1
093822-LOC61-DOOR-SOIL-1
093822-SOIL-DUP-1

Please call me with any questions or concerns.

Thank you,
Heather

Heather B. Haley, P.G.
Project Geologist
GEI Consultants, Inc.
400 Unicorn Park Drive
Woburn, MA 01801

phone (781) 721-4063
cell (781) 424-9906
fax (781) 721-4073

CONFIDENTIALITY NOTICE The information in this transmittal (including attachments, if any) may be privileged and confidential and is intended only for the recipient(s) listed above. Any review, use, disclosure, distribution or copying of this transmittal, in any form, is prohibited except by or on behalf of the intended recipient. If you have received this transmittal in error, please notify me immediately by reply email and destroy all copies of the transmittal.

AMRO Environmental Laboratories Corporation

# SAMPLE RECEIPT CHECKLIST

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

Client: GEI
Project Name: 09382-2 CANTON AIRPORT
Ship via: (circle one) Fed Ex., UPS, AMRO Courier,
Hand Del., Other Courier, Other:

AMRO ID: 1005062
Date Rec.: 5-19-10 (5-25-10)
Date Due: 6-2-10

| 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 = 2° | | | | |
| 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: MG Date: 5-19-10 Logged in By: MG Date: 5-25-10
Labeled By: MG Date: 5-25-10 Checked By: [illegible] Date: 5-25-10



NA= Not Applicable

qc/qcmemos/forms/samplerec Rev.19 04/20/09

## CASE NARRATIVE

PCBs:

1. The % recovery for the surrogate Decachlorobiphenyl was above the laboratory control limits in sample LOC57-PILE-SOIL-1 (1005062-10), due to sample dilution and high sample matrix.

## MADEP MCP Analytical Method Report Certification Form

Laboratory Name: AMRO Environmental Laboratories, Inc. Project Number: 1005062

Project Location: 09382-2 Canton Airport MADEP RTN [1]

| | | | | | | |
|---|---|---|---|---|---|---|
| 1005062-01 | 1005062-02 | 1005062-03 | 1005062-04 | 1005062-05 | 1005062-06 | 1005062-07 |
| 1005062-08 | 1005062-09 | 1005062-10 | 1005062-11 | 1005062-12 | 1005062-13 | |

Sample Matrices: Ground Water ☐ Soil / Sediment ☑ Drinking Water ☐ OtherMatrix ☐

| MCP SW-846 Methods Used | | | | | |
|---|---|---|---|---|---|
| As specified in MADEP Compendium of Analytical Methods (check all that apply) | 8260B ☐ | 8151A ☐ | 8330 ☐ | 6010B ☐ | 7470A/1A ☐ |
| | 8270C ☐ | 8081A ☐ | VPH ☐ | 6020 ☐ | 9014M [2] ☐ |
| | 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~~ N/A [illegible] 6/15/10 |

**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: [illegible] Position: Vice Pres.

Printed Name: Nancy Stewart Date: 6-15-10

# 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-May-10*

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

**Lab Order:** 1005062

**Lab ID:** 1005062-01
**Collection Date:** 5/18/2010 9:50:00 AM
**Collection Time:**
**Client Sample ID:** 093822-LOC15-METAL-SOIL-1
**Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PCBS BY EPA8082** | | **SW8082** | | | | Analyst: **KA** |
| Aroclor 1016 | ND | 740 | | µg/Kg-dry | 10 | 5/26/2010 7:49:00 PM |
| Aroclor 1221 | ND | 740 | | µg/Kg-dry | 10 | 5/26/2010 7:49:00 PM |
| Aroclor 1232 | ND | 740 | | µg/Kg-dry | 10 | 5/26/2010 7:49:00 PM |
| Aroclor 1242 | ND | 740 | | µg/Kg-dry | 10 | 5/26/2010 7:49:00 PM |
| Aroclor 1248 | ND | 740 | | µg/Kg-dry | 10 | 5/26/2010 7:49:00 PM |
| Aroclor 1254 | ND | 740 | | µg/Kg-dry | 10 | 5/26/2010 7:49:00 PM |
| Aroclor 1260 | 5,100 | 740 | | µg/Kg-dry | 10 | 5/26/2010 7:49:00 PM |
| Aroclor 1262 | ND | 740 | | µg/Kg-dry | 10 | 5/26/2010 7:49:00 PM |
| Aroclor 1268 | ND | 740 | | µg/Kg-dry | 10 | 5/26/2010 7:49:00 PM |
| Surr: Tetrachloro-m-xylene | 103 | 54.6-143 | | %REC | 10 | 5/26/2010 7:49:00 PM |
| Surr: Decachlorobiphenyl | 77.9 | 45.7-157 | | %REC | 10 | 5/26/2010 7:49:00 PM |

**Lab ID:** 1005062-02
**Collection Date:** 5/18/2010 10:00:00 AM
**Collection Time:**
**Client Sample ID:** 093822-LOC16-TIRE-SOIL-1
**Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PCBS BY EPA8082** | | **SW8082** | | | | Analyst: **KA** |
| Aroclor 1016 | ND | 560 | | µg/Kg-dry | 10 | 5/26/2010 8:16:00 PM |
| Aroclor 1221 | ND | 560 | | µg/Kg-dry | 10 | 5/26/2010 8:16:00 PM |
| Aroclor 1232 | ND | 560 | | µg/Kg-dry | 10 | 5/26/2010 8:16:00 PM |
| Aroclor 1242 | ND | 560 | | µg/Kg-dry | 10 | 5/26/2010 8:16:00 PM |
| Aroclor 1248 | ND | 560 | | µg/Kg-dry | 10 | 5/26/2010 8:16:00 PM |
| Aroclor 1254 | ND | 560 | | µg/Kg-dry | 10 | 5/26/2010 8:16:00 PM |
| Aroclor 1260 | ND | 560 | | µg/Kg-dry | 10 | 5/26/2010 8:16:00 PM |
| Aroclor 1262 | ND | 560 | | µg/Kg-dry | 10 | 5/26/2010 8:16:00 PM |
| Aroclor 1268 | ND | 560 | | µg/Kg-dry | 10 | 5/26/2010 8:16:00 PM |
| Surr: Tetrachloro-m-xylene | 120 | 54.6-143 | | %REC | 10 | 5/26/2010 8:16:00 PM |
| Surr: Decachlorobiphenyl | 102 | 45.7-157 | | %REC | 10 | 5/26/2010 8:16:00 PM |

## AMRO Environmental Laboratories Corp.

**Date:** *28-May-10*

**CLIENT:** GEI Consultants, Inc.
**Project:** 09382-2 Canton Airport
**Lab Order:** 1005062

**Lab ID:** 1005062-03
**Collection Date:** 5/18/2010 10:10:00 AM
**Collection Time:**
**Client Sample ID:** 093822-LOC16-TIRE-SOIL-2
**Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PCBS BY EPA8082** | | **SW8082** | | | | Analyst: **KA** |
| Aroclor 1016 | ND | 640 | | µg/Kg-dry | 10 | 5/26/2010 8:44:00 PM |
| Aroclor 1221 | ND | 640 | | µg/Kg-dry | 10 | 5/26/2010 8:44:00 PM |
| Aroclor 1232 | ND | 640 | | µg/Kg-dry | 10 | 5/26/2010 8:44:00 PM |
| Aroclor 1242 | ND | 640 | | µg/Kg-dry | 10 | 5/26/2010 8:44:00 PM |
| Aroclor 1248 | ND | 640 | | µg/Kg-dry | 10 | 5/26/2010 8:44:00 PM |
| Aroclor 1254 | ND | 640 | | µg/Kg-dry | 10 | 5/26/2010 8:44:00 PM |
| Aroclor 1260 | ND | 640 | | µg/Kg-dry | 10 | 5/26/2010 8:44:00 PM |
| Aroclor 1262 | ND | 640 | | µg/Kg-dry | 10 | 5/26/2010 8:44:00 PM |
| Aroclor 1268 | ND | 640 | | µg/Kg-dry | 10 | 5/26/2010 8:44:00 PM |
| Surr: Tetrachloro-m-xylene | 108 | 54.6-143 | | %REC | 10 | 5/26/2010 8:44:00 PM |
| Surr: Decachlorobiphenyl | 77.7 | 45.7-157 | | %REC | 10 | 5/26/2010 8:44:00 PM |

**Lab ID:** 1005062-04
**Collection Date:** 5/18/2010 10:18:00 AM
**Collection Time:**
**Client Sample ID:** 093822-LOC17-TIRE-SOIL-1
**Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PCBS BY EPA8082** | | **SW8082** | | | | Analyst: **KA** |
| Aroclor 1016 | ND | 550 | | µg/Kg-dry | 10 | 5/26/2010 9:11:00 PM |
| Aroclor 1221 | ND | 550 | | µg/Kg-dry | 10 | 5/26/2010 9:11:00 PM |
| Aroclor 1232 | ND | 550 | | µg/Kg-dry | 10 | 5/26/2010 9:11:00 PM |
| Aroclor 1242 | ND | 550 | | µg/Kg-dry | 10 | 5/26/2010 9:11:00 PM |
| Aroclor 1248 | ND | 550 | | µg/Kg-dry | 10 | 5/26/2010 9:11:00 PM |
| Aroclor 1254 | ND | 550 | | µg/Kg-dry | 10 | 5/26/2010 9:11:00 PM |
| Aroclor 1260 | ND | 550 | | µg/Kg-dry | 10 | 5/26/2010 9:11:00 PM |
| Aroclor 1262 | ND | 550 | | µg/Kg-dry | 10 | 5/26/2010 9:11:00 PM |
| Aroclor 1268 | ND | 550 | | µg/Kg-dry | 10 | 5/26/2010 9:11:00 PM |
| Surr: Tetrachloro-m-xylene | 110 | 54.6-143 | | %REC | 10 | 5/26/2010 9:11:00 PM |
| Surr: Decachlorobiphenyl | 80.1 | 45.7-157 | | %REC | 10 | 5/26/2010 9:11:00 PM |

## AMRO Environmental Laboratories Corp.

**Date:** *28-May-10*

**CLIENT:** GEI Consultants, Inc.
**Project:** 09382-2 Canton Airport
**Lab Order:** 1005062

**Lab ID:** 1005062-05
**Collection Date:** 5/18/2010 8:50:00 AM
**Collection Time:**
**Client Sample ID:** 093822-LOC19-METAL-SOIL-1
**Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PCBS BY EPA8082** | | **SW8082** | | | | Analyst: **KA** |
| Aroclor 1016 | ND | 570 | | µg/Kg-dry | 10 | 5/26/2010 9:39:00 PM |
| Aroclor 1221 | ND | 570 | | µg/Kg-dry | 10 | 5/26/2010 9:39:00 PM |
| Aroclor 1232 | ND | 570 | | µg/Kg-dry | 10 | 5/26/2010 9:39:00 PM |
| Aroclor 1242 | ND | 570 | | µg/Kg-dry | 10 | 5/26/2010 9:39:00 PM |
| Aroclor 1248 | ND | 570 | | µg/Kg-dry | 10 | 5/26/2010 9:39:00 PM |
| Aroclor 1254 | ND | 570 | | µg/Kg-dry | 10 | 5/26/2010 9:39:00 PM |
| Aroclor 1260 | ND | 570 | | µg/Kg-dry | 10 | 5/26/2010 9:39:00 PM |
| Aroclor 1262 | ND | 570 | | µg/Kg-dry | 10 | 5/26/2010 9:39:00 PM |
| Aroclor 1268 | ND | 570 | | µg/Kg-dry | 10 | 5/26/2010 9:39:00 PM |
| Surr: Tetrachloro-m-xylene | 115 | 54.6-143 | | %REC | 10 | 5/26/2010 9:39:00 PM |
| Surr: Decachlorobiphenyl | 79.6 | 45.7-157 | | %REC | 10 | 5/26/2010 9:39:00 PM |

**Lab ID:** 1005062-06
**Collection Date:** 5/18/2010 8:55:00 AM
**Collection Time:**
**Client Sample ID:** 093822-LOC20-FENDER-SOIL-
**Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PCBS BY EPA8082** | | **SW8082** | | | | Analyst: **KA** |
| Aroclor 1016 | ND | 650 | | µg/Kg-dry | 10 | 5/26/2010 10:06:00 PM |
| Aroclor 1221 | ND | 650 | | µg/Kg-dry | 10 | 5/26/2010 10:06:00 PM |
| Aroclor 1232 | ND | 650 | | µg/Kg-dry | 10 | 5/26/2010 10:06:00 PM |
| Aroclor 1242 | ND | 650 | | µg/Kg-dry | 10 | 5/26/2010 10:06:00 PM |
| Aroclor 1248 | ND | 650 | | µg/Kg-dry | 10 | 5/26/2010 10:06:00 PM |
| Aroclor 1254 | ND | 650 | | µg/Kg-dry | 10 | 5/26/2010 10:06:00 PM |
| Aroclor 1260 | ND | 650 | | µg/Kg-dry | 10 | 5/26/2010 10:06:00 PM |
| Aroclor 1262 | ND | 650 | | µg/Kg-dry | 10 | 5/26/2010 10:06:00 PM |
| Aroclor 1268 | ND | 650 | | µg/Kg-dry | 10 | 5/26/2010 10:06:00 PM |
| Surr: Tetrachloro-m-xylene | 116 | 54.6-143 | | %REC | 10 | 5/26/2010 10:06:00 PM |
| Surr: Decachlorobiphenyl | 88.6 | 45.7-157 | | %REC | 10 | 5/26/2010 10:06:00 PM |

## AMRO Environmental Laboratories Corp.

**Date:** *28-May-10*

**CLIENT:** GEI Consultants, Inc.
**Project:** 09382-2 Canton Airport
**Lab Order:** 1005062

**Lab ID:** 1005062-07
**Collection Date:** 5/18/2010 9:15:00 AM
**Collection Time:**
**Client Sample ID:** 093822-LOC24-CAR-SOIL-1
**Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PCBS BY EPA8082** | | **SW8082** | | | | Analyst: KA |
| Aroclor 1016 | ND | 870 | | µg/Kg-dry | 10 | 5/26/2010 10:34:00 PM |
| Aroclor 1221 | ND | 870 | | µg/Kg-dry | 10 | 5/26/2010 10:34:00 PM |
| Aroclor 1232 | ND | 870 | | µg/Kg-dry | 10 | 5/26/2010 10:34:00 PM |
| Aroclor 1242 | ND | 870 | | µg/Kg-dry | 10 | 5/26/2010 10:34:00 PM |
| Aroclor 1248 | ND | 870 | | µg/Kg-dry | 10 | 5/26/2010 10:34:00 PM |
| Aroclor 1254 | ND | 870 | | µg/Kg-dry | 10 | 5/26/2010 10:34:00 PM |
| Aroclor 1260 | ND | 870 | | µg/Kg-dry | 10 | 5/26/2010 10:34:00 PM |
| Aroclor 1262 | ND | 870 | | µg/Kg-dry | 10 | 5/26/2010 10:34:00 PM |
| Aroclor 1268 | ND | 870 | | µg/Kg-dry | 10 | 5/26/2010 10:34:00 PM |
| Surr: Tetrachloro-m-xylene | 110 | 54.6-143 | | %REC | 10 | 5/26/2010 10:34:00 PM |
| Surr: Decachlorobiphenyl | 85.9 | 45.7-157 | | %REC | 10 | 5/26/2010 10:34:00 PM |

**Lab ID:** 1005062-08
**Collection Date:** 5/18/2010 9:20:00 AM
**Collection Time:**
**Client Sample ID:** 093822-LOC25-DRUM-SOIL-1
**Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PCBS BY EPA8082** | | **SW8082** | | | | Analyst: KA |
| Aroclor 1016 | ND | 710 | | µg/Kg-dry | 10 | 5/26/2010 11:01:00 PM |
| Aroclor 1221 | ND | 710 | | µg/Kg-dry | 10 | 5/26/2010 11:01:00 PM |
| Aroclor 1232 | ND | 710 | | µg/Kg-dry | 10 | 5/26/2010 11:01:00 PM |
| Aroclor 1242 | ND | 710 | | µg/Kg-dry | 10 | 5/26/2010 11:01:00 PM |
| Aroclor 1248 | ND | 710 | | µg/Kg-dry | 10 | 5/26/2010 11:01:00 PM |
| Aroclor 1254 | ND | 710 | | µg/Kg-dry | 10 | 5/26/2010 11:01:00 PM |
| Aroclor 1260 | ND | 710 | | µg/Kg-dry | 10 | 5/26/2010 11:01:00 PM |
| Aroclor 1262 | ND | 710 | | µg/Kg-dry | 10 | 5/26/2010 11:01:00 PM |
| Aroclor 1268 | ND | 710 | | µg/Kg-dry | 10 | 5/26/2010 11:01:00 PM |
| Surr: Tetrachloro-m-xylene | 115 | 54.6-143 | | %REC | 10 | 5/26/2010 11:01:00 PM |
| Surr: Decachlorobiphenyl | 86.1 | 45.7-157 | | %REC | 10 | 5/26/2010 11:01:00 PM |

# AMRO Environmental Laboratories Corp.

**Date:** *28-May-10*

**CLIENT:** GEI Consultants, Inc.
**Project:** 09382-2 Canton Airport
**Lab Order:** 1005062

**Lab ID:** 1005062-09
**Collection Date:** 5/18/2010 11:07:00 AM
**Collection Time:**
**Client Sample ID:** 093822-LOC41-TIRE-SOIL-1
**Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PCBS BY EPA8082** | | **SW8082** | | | | Analyst: **KA** |
| Aroclor 1016 | ND | 560 | | µg/Kg-dry | 10 | 5/26/2010 11:28:00 PM |
| Aroclor 1221 | ND | 560 | | µg/Kg-dry | 10 | 5/26/2010 11:28:00 PM |
| Aroclor 1232 | ND | 560 | | µg/Kg-dry | 10 | 5/26/2010 11:28:00 PM |
| Aroclor 1242 | ND | 560 | | µg/Kg-dry | 10 | 5/26/2010 11:28:00 PM |
| Aroclor 1248 | ND | 560 | | µg/Kg-dry | 10 | 5/26/2010 11:28:00 PM |
| Aroclor 1254 | ND | 560 | | µg/Kg-dry | 10 | 5/26/2010 11:28:00 PM |
| Aroclor 1260 | ND | 560 | | µg/Kg-dry | 10 | 5/26/2010 11:28:00 PM |
| Aroclor 1262 | ND | 560 | | µg/Kg-dry | 10 | 5/26/2010 11:28:00 PM |
| Aroclor 1268 | ND | 560 | | µg/Kg-dry | 10 | 5/26/2010 11:28:00 PM |
| Surr: Tetrachloro-m-xylene | 104 | 54.6-143 | | %REC | 10 | 5/26/2010 11:28:00 PM |
| Surr: Decachlorobiphenyl | 84.0 | 45.7-157 | | %REC | 10 | 5/26/2010 11:28:00 PM |

**Lab ID:** 1005062-10
**Collection Date:** 5/18/2010 12:10:00 PM
**Collection Time:**
**Client Sample ID:** 093822-LOC57-PILE-SOIL-1
**Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PCBS BY EPA8082** | | **SW8082** | | | | Analyst: **KA** |
| Aroclor 1016 | ND | 710 | | µg/Kg-dry | 10 | 5/26/2010 11:56:00 PM |
| Aroclor 1221 | ND | 710 | | µg/Kg-dry | 10 | 5/26/2010 11:56:00 PM |
| Aroclor 1232 | ND | 710 | | µg/Kg-dry | 10 | 5/26/2010 11:56:00 PM |
| Aroclor 1242 | ND | 710 | | µg/Kg-dry | 10 | 5/26/2010 11:56:00 PM |
| Aroclor 1248 | ND | 710 | | µg/Kg-dry | 10 | 5/26/2010 11:56:00 PM |
| Aroclor 1254 | 6,400 | 710 | | µg/Kg-dry | 10 | 5/26/2010 11:56:00 PM |
| Aroclor 1260 | ND | 710 | | µg/Kg-dry | 10 | 5/26/2010 11:56:00 PM |
| Aroclor 1262 | ND | 710 | | µg/Kg-dry | 10 | 5/26/2010 11:56:00 PM |
| Aroclor 1268 | ND | 710 | | µg/Kg-dry | 10 | 5/26/2010 11:56:00 PM |
| Surr: Tetrachloro-m-xylene | 93.8 | 54.6-143 | | %REC | 10 | 5/26/2010 11:56:00 PM |
| Surr: Decachlorobiphenyl | 333 | 45.7-157 | S | %REC | 10 | 5/26/2010 11:56:00 PM |

# AMRO Environmental Laboratories Corp.

**Date:** *28-May-10*

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

**Lab Order:** 1005062

**Lab ID:** 1005062-11
**Collection Date:** 5/18/2010 12:08:00 PM
**Collection Time:**
**Client Sample ID:** 093822-LOC60-PILE-SOIL-1
**Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PCBS BY EPA8082** | | **SW8082** | | | | Analyst: KA |
| Aroclor 1016 | ND | 610 | | µg/Kg-dry | 10 | 5/27/2010 12:23:00 AM |
| Aroclor 1221 | ND | 610 | | µg/Kg-dry | 10 | 5/27/2010 12:23:00 AM |
| Aroclor 1232 | ND | 610 | | µg/Kg-dry | 10 | 5/27/2010 12:23:00 AM |
| Aroclor 1242 | ND | 610 | | µg/Kg-dry | 10 | 5/27/2010 12:23:00 AM |
| Aroclor 1248 | ND | 610 | | µg/Kg-dry | 10 | 5/27/2010 12:23:00 AM |
| Aroclor 1254 | ND | 610 | | µg/Kg-dry | 10 | 5/27/2010 12:23:00 AM |
| Aroclor 1260 | 1,700 | 610 | | µg/Kg-dry | 10 | 5/27/2010 12:23:00 AM |
| Aroclor 1262 | ND | 610 | | µg/Kg-dry | 10 | 5/27/2010 12:23:00 AM |
| Aroclor 1268 | ND | 610 | | µg/Kg-dry | 10 | 5/27/2010 12:23:00 AM |
| Surr: Tetrachloro-m-xylene | 104 | 54.6-143 | | %REC | 10 | 5/27/2010 12:23:00 AM |
| Surr: Decachlorobiphenyl | 78.7 | 45.7-157 | | %REC | 10 | 5/27/2010 12:23:00 AM |

**Lab ID:** 1005062-12
**Collection Date:** 5/18/2010 12:05:00 PM
**Collection Time:**
**Client Sample ID:** 093822-LOC61-DOOR-SOIL-1
**Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PCBS BY EPA8082** | | **SW8082** | | | | Analyst: KA |
| Aroclor 1016 | ND | 490 | | µg/Kg-dry | 10 | 5/27/2010 12:51:00 AM |
| Aroclor 1221 | ND | 490 | | µg/Kg-dry | 10 | 5/27/2010 12:51:00 AM |
| Aroclor 1232 | ND | 490 | | µg/Kg-dry | 10 | 5/27/2010 12:51:00 AM |
| Aroclor 1242 | ND | 490 | | µg/Kg-dry | 10 | 5/27/2010 12:51:00 AM |
| Aroclor 1248 | ND | 490 | | µg/Kg-dry | 10 | 5/27/2010 12:51:00 AM |
| Aroclor 1254 | ND | 490 | | µg/Kg-dry | 10 | 5/27/2010 12:51:00 AM |
| Aroclor 1260 | 1,700 | 490 | | µg/Kg-dry | 10 | 5/27/2010 12:51:00 AM |
| Aroclor 1262 | ND | 490 | | µg/Kg-dry | 10 | 5/27/2010 12:51:00 AM |
| Aroclor 1268 | ND | 490 | | µg/Kg-dry | 10 | 5/27/2010 12:51:00 AM |
| Surr: Tetrachloro-m-xylene | 106 | 54.6-143 | | %REC | 10 | 5/27/2010 12:51:00 AM |
| Surr: Decachlorobiphenyl | 90.9 | 45.7-157 | | %REC | 10 | 5/27/2010 12:51:00 AM |

# AMRO Environmental Laboratories Corp.

**Date:** *28-May-10*

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

**Lab Order:** 1005062

**Lab ID:** 1005062-13

**Collection Date:** 5/18/2010 12:00:00 PM
**Collection Time:**

**Client Sample ID:** 093822-SOIL-DUP-1

**Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PCBS BY EPA8082** | | **SW8082** | | | | Analyst: **KA** |
| Aroclor 1016 | ND | 580 | | µg/Kg-dry | 10 | 5/27/2010 1:18:00 AM |
| Aroclor 1221 | ND | 580 | | µg/Kg-dry | 10 | 5/27/2010 1:18:00 AM |
| Aroclor 1232 | ND | 580 | | µg/Kg-dry | 10 | 5/27/2010 1:18:00 AM |
| Aroclor 1242 | ND | 580 | | µg/Kg-dry | 10 | 5/27/2010 1:18:00 AM |
| Aroclor 1248 | ND | 580 | | µg/Kg-dry | 10 | 5/27/2010 1:18:00 AM |
| Aroclor 1254 | ND | 580 | | µg/Kg-dry | 10 | 5/27/2010 1:18:00 AM |
| Aroclor 1260 | ND | 580 | | µg/Kg-dry | 10 | 5/27/2010 1:18:00 AM |
| Aroclor 1262 | ND | 580 | | µg/Kg-dry | 10 | 5/27/2010 1:18:00 AM |
| Aroclor 1268 | ND | 580 | | µg/Kg-dry | 10 | 5/27/2010 1:18:00 AM |
| Surr: Tetrachloro-m-xylene | 95.9 | 54.6-143 | | %REC | 10 | 5/27/2010 1:18:00 AM |
| Surr: Decachlorobiphenyl | 75.8 | 45.7-157 | | %REC | 10 | 5/27/2010 1:18:00 AM |

AMRO Environmental Laboratories Corp.

**Date:** *03-Jun-10*

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 1005062
**Project:** 09382-2 Canton Airport

# QC SUMMARY REPORT

Method Blank

Sample ID **MB-20241** Batch ID: **20241** Test Code: **SW8082** Units: **µg/Kg** Analysis Date **5/26/10 5:32:00 PM** Prep Date **5/25/10**

Client ID: Run ID: **GC-TRENT_100526A** SeqNo: **740925**

| 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 | 13.58 | 0 | µg/Kg | 16 | 0 | 84.9 | 54.6 | 143 | 0 | | | |
| Surr: Decachlorobiphenyl | 9.459 | 0 | µg/Kg | 16 | 0 | 59.1 | 45.7 | 157 | 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:** *03-Jun-10*

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 1005062
**Project:** 09382-2 Canton Airport

# QC SUMMARY REPORT

## Laboratory Control Spike

Sample ID **lcs-20241** Batch ID: **20241** Test Code: **SW8082** Units: **µg/Kg** Analysis Date **5/26/10 5:59:00 PM** Prep Date **5/25/10**
Client ID: Run ID: **GC-TRENT_100526A** SeqNo: **740926**

| 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 | 978.2 | 50 | µg/Kg | 1000 | 0 | 97.8 | 70.9 | 125 | 0 | | | |
| Aroclor 1260 | 999.6 | 50 | µg/Kg | 1000 | 0 | 100 | 60.1 | 126 | 0 | | | |
| Surr: Tetrachloro-m-xylene | 15.63 | 0 | µg/Kg | 16 | 0 | 97.7 | 54.6 | 143 | 0 | | | |
| Surr: Decachlorobiphenyl | 12.16 | 0 | µg/Kg | 16 | 0 | 76 | 45.7 | 157 | 0 | | | |

Sample ID **lcsd-20241** Batch ID: **20241** Test Code: **SW8082** Units: **µg/Kg** Analysis Date **5/26/10 6:27:00 PM** Prep Date **5/25/10**
Client ID: Run ID: **GC-TRENT_100526A** SeqNo: **740927**

| 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 | 964.4 | 50 | µg/Kg | 1000 | 0 | 96.4 | 70.9 | 125 | 978.2 | 1.42 | 50 | |
| Aroclor 1260 | 944.4 | 50 | µg/Kg | 1000 | 0 | 94.4 | 60.1 | 126 | 999.6 | 5.68 | 50 | |
| Surr: Tetrachloro-m-xylene | 15.97 | 0 | µg/Kg | 16 | 0 | 99.8 | 54.6 | 143 | 0 | 0 | 0 | |
| Surr: Decachlorobiphenyl | 11.52 | 0 | µg/Kg | 16 | 0 | 72 | 45.7 | 157 | 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:** *28-May-10*

**CLIENT:** GEI Consultants, Inc.
**Project:** 09382-2 Canton Airport
**Lab Order:** 1005062

**Lab ID:** 1005062-01
**Collection Date:** 5/18/2010 9:50:00 AM
**Collection Time:**
**Client Sample ID:** 093822-LOC15-METAL-SOIL-1
**Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | **D2216** | | | | Analyst: **MG** |
| Percent Moisture | 35.6 | 0 | | wt% | 1 | 5/26/2010 |

**Lab ID:** 1005062-02
**Collection Date:** 5/18/2010 10:00:00 AM
**Collection Time:**
**Client Sample ID:** 093822-LOC16-TIRE-SOIL-1
**Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | **D2216** | | | | Analyst: **MG** |
| Percent Moisture | 14.6 | 0 | | wt% | 1 | 5/26/2010 |

**Lab ID:** 1005062-03
**Collection Date:** 5/18/2010 10:10:00 AM
**Collection Time:**
**Client Sample ID:** 093822-LOC16-TIRE-SOIL-2
**Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | **D2216** | | | | Analyst: **MG** |
| Percent Moisture | 23.7 | 0 | | wt% | 1 | 5/26/2010 |

**Lab ID:** 1005062-04
**Collection Date:** 5/18/2010 10:18:00 AM
**Collection Time:**
**Client Sample ID:** 093822-LOC17-TIRE-SOIL-1
**Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | **D2216** | | | | Analyst: **MG** |
| Percent Moisture | 15.2 | 0 | | wt% | 1 | 5/26/2010 |

## AMRO Environmental Laboratories Corp.

**Date:** *28-May-10*

**CLIENT:** GEI Consultants, Inc.
**Project:** 09382-2 Canton Airport
**Lab Order:** 1005062

**Lab ID:** 1005062-05
**Collection Date:** 5/18/2010 8:50:00 AM
**Collection Time:**
**Client Sample ID:** 093822-LOC19-METAL-SOIL-1
**Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | **D2216** | | | | Analyst: **MG** |
| Percent Moisture | 18.0 | 0 | | wt% | 1 | 5/26/2010 |

**Lab ID:** 1005062-06
**Collection Date:** 5/18/2010 8:55:00 AM
**Collection Time:**
**Client Sample ID:** 093822-LOC20-FENDER-SOIL-
**Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | **D2216** | | | | Analyst: **MG** |
| Percent Moisture | 24.7 | 0 | | wt% | 1 | 5/26/2010 |

**Lab ID:** 1005062-07
**Collection Date:** 5/18/2010 9:15:00 AM
**Collection Time:**
**Client Sample ID:** 093822-LOC24-CAR-SOIL-1
**Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | **D2216** | | | | Analyst: **MG** |
| Percent Moisture | 43.8 | 0 | | wt% | 1 | 5/26/2010 |

**Lab ID:** 1005062-08
**Collection Date:** 5/18/2010 9:20:00 AM
**Collection Time:**
**Client Sample ID:** 093822-LOC25-DRUM-SOIL-1
**Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | **D2216** | | | | Analyst: **MG** |
| Percent Moisture | 33.9 | 0 | | wt% | 1 | 5/26/2010 |

## AMRO Environmental Laboratories Corp.

**Date:** *28-May-10*

**CLIENT:** GEI Consultants, Inc.
**Project:** 09382-2 Canton Airport
**Lab Order:** 1005062

**Lab ID:** 1005062-09
**Collection Date:** 5/18/2010 11:07:00 AM
**Collection Time:**
**Client Sample ID:** 093822-LOC41-TIRE-SOIL-1
**Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | D2216 | | | | Analyst: MG |
| Percent Moisture | 14.4 | 0 | | wt% | 1 | 5/26/2010 |

**Lab ID:** 1005062-10
**Collection Date:** 5/18/2010 12:10:00 PM
**Collection Time:**
**Client Sample ID:** 093822-LOC57-PILE-SOIL-1
**Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | D2216 | | | | Analyst: MG |
| Percent Moisture | 31.9 | 0 | | wt% | 1 | 5/26/2010 |

**Lab ID:** 1005062-11
**Collection Date:** 5/18/2010 12:08:00 PM
**Collection Time:**
**Client Sample ID:** 093822-LOC60-PILE-SOIL-1
**Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | D2216 | | | | Analyst: MG |
| Percent Moisture | 23.6 | 0 | | wt% | 1 | 5/26/2010 |

**Lab ID:** 1005062-12
**Collection Date:** 5/18/2010 12:05:00 PM
**Collection Time:**
**Client Sample ID:** 093822-LOC61-DOOR-SOIL-1
**Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | D2216 | | | | Analyst: MG |
| Percent Moisture | 5.1 | 0 | | wt% | 1 | 5/26/2010 |

## AMRO Environmental Laboratories Corp.

**Date:** *28-May-10*

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

**Lab Order:** 1005062

**Lab ID:** 1005062-13

**Collection Date:** 5/18/2010 12:00:00 PM
**Collection Time:**

**Client Sample ID:** 093822-SOIL-DUP-1

**Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PERCENT MOISTURE** | | **D2216** | | | | Analyst: **MG** |
| Percent Moisture | 17.0 | 0 | | wt% | 1 | 5/26/2010 |