**AMRO Environmental Laboratories Corporation**

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

September 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

RECEIVED
SEP 12 2007
GEI CONSULTANTS, INC.

Subject: 00219-4 Canton Airport

Workorder No.: 0707156

Dear Raymond Siegener:

AMRO Environmental Laboratories Corp. received 1 sample on 7/31/07 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 55 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:** *14-Aug-07*

**CLIENT:** GEI Consultants, Inc.
**Project:** 00219-4 Canton Airport
**Lab Order:** 0707156
**Date Received:** 7/31/07

## Work Order Sample Summary

| Lab Sample ID | Client Sample ID | Collection Date | Collection Time |
|---|---|---|---|
| 0707156-01A | 002914-B101D (MW) | 7/26/07 | 4:40 PM |
| 0707156-01B | 002914-B101D (MW) | 7/26/07 | 4:40 PM |
| 0707156-01C | 002914-B101D (MW) | 7/26/07 | 4:40 PM |
| 0707156-01D | 002914-B101D (MW) | 7/26/07 | 4:40 PM |
| 0707156-01E | 002914-B101D (MW) | 7/26/07 | 4:40 PM |
| 0707156-01F | 002914-B101D (MW) | 7/26/07 | 4:40 PM |

# AMRO Environmental Laboratories Corp.

*14-Aug-07*

**Lab Order:** 0707156
**Client:** GEI Consultants, Inc.
**Project:** 00219-4 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 |
|---|---|---|---|---|---|---|---|
| 0707156-01A | 002914-B101D (MW) | 7/26/07 4:40:00 PM | Groundwater | MCP VOCs 8260B, EPA 5030B | | 8/2/07 | |
| | | | | EPA 5030B | 7/24/07 | R37552 | |
| 0707156-01B | | | | EPA 8082 PCBS IN WATER | | 8/6/07 | |
| | | | | EPA 3510 AQPREP SEP FUNNEL: PCB | 8/2/07 | 17407 | |
| 0707156-01C | | | | MCP SVOCs 8270C, EPA 3510 | | 8/9/07 | |
| | | | | EPA 3510 AQPREP SEP FUNNEL: BNA | 8/2/07 | 17413 | |
| 0707156-01D | | | | EPH 1.1, Water, Diesel Targets | | 8/4/07 | |
| | | | | AQPREP SEP FUNNEL: EPH | 8/2/07 | 17412 | |
| 0707156-01E | | | | EPA 6010B ICP METALS, DISSOLVED | | 8/5/07 | |
| | | | | EPA 3010 AQPREP TOTAL METALS: ICP/GFAA | 8/2/07 | 17408 | |
| | | | | EPA 7041 ANTIMONY, Dissolved | | 8/6/07 | |
| | | | | | 8/2/07 | 17408 | |
| | | | | EPA 7060 ARSENIC, Dissolved | | 8/3/07 | |
| | | | | | 8/2/07 | 17408 | |
| | | | | EPA 7421 LEAD, Dissolved | | 8/3/07 | |
| | | | | | 8/2/07 | 17408 | |
| | | | | EPA 7470 MERCURY, Dissolved | | 8/8/07 | |
| | | | | MERCURY PREP: EPA 245.1/7040 | 8/8/07 | 17432 | |
| | | | | EPA 7740 SELENIUM, Dissolved | | 8/3/07 | |
| | | | | EPA 3010 AQPREP TOTAL METALS: ICP/GFAA | 8/2/07 | 17408 | |
| | | | | EPA 7841 THALLIUM, Dissolved | | 8/3/07 | |
| | | | | | 8/2/07 | 17408 | |
| 0707156-01F | | | | EPA 7041 ANTIMONY, Total | | 8/6/07 | |
| | | | | | 8/2/07 | 17408 | |

# AMRO Environmental Laboratories Corp.

*14-Aug-07*

**Lab Order:** 0707156
**Client:** GEI Consultants, Inc.
**Project:** 00219-4 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 |
|---|---|---|---|---|---|---|---|
| 0707156-01F | 002914-B101D (MW) | 7/26/07 4:40:00 PM | Groundwater | EPA 7060 ARSENIC, Total | | 8/3/07 | |
| | | | | EPA 3010 AQPREP TOTAL METALS: ICP/GFAA | 8/2/07 | 17408 | |
| | | | | EPA 7421 LEAD, Total | | 8/3/07 | |
| | | | | | 8/2/07 | 17408 | |
| | | | | EPA 7470 MERCURY, Total | | 8/8/07 | |
| | | | | MERCURY PREP: EPA 245.1/7040 | 8/8/07 | 17432 | |
| | | | | EPA 7740 SELENIUM, Total | | 8/3/07 | |
| | | | | EPA 3010 AQPREP TOTAL METALS: ICP/GFAA | 8/2/07 | 17408 | |
| | | | | EPA 7841 THALLIUM, Total | | 8/3/07 | |
| | | | | | 8/2/07 | 17408 | |
| | | | | ICP METALS, TOTAL | | 8/5/07 | |
| | | | | | 8/2/07 | 17408 | |

# Chain-of-Custody Record

**Laboratory:** Amro

**Laboratory Job #** (Lab use only) 0707156

GEI Consultants

400 Unicorn Park
Woburn, MA 01801
TEL: 781-721-4098
FAX: 781-721-4073

**Project Information**

Project Name: Canton Airport
Project Location: Canton, MA
Project Number: 00219-4
Project Manager: Anne Leifer

Page _1_ of _1__

Send Report to: Ray Siegener
Send Faxed Results to:
Send EDD to: labdata @geiconsultants.com

**Preservative**

**Sample Handling**

Sample 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

If Yes, Are Drinking Water Samples Submitted? YES NO

If Yes, Have You Met Minimum Field QC Requirements? YES NO

**Analysis**

| Lab Sample Number | GEI Sample ID | Collection Date | Collection Time | Matrix | No. of Bottles | Sampler(s) Initials | PCBs | VOCs | SVOCs | EPH (ranges only) | Diss. Metals, MCP 14 | Total Metals, MCP 14 | | Sample Specific Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 002914-B101D (MW) | 7/26/2007 | 16:40 | GW | 10 | AH | X | X | X | X | X | X | | |

**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.

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

**Additional Requirements/Comments/Remarks:**

| Relinquished by: (signature) | Date: | Time: | Received by: (signature) |
|---|---|---|---|
| [signature] | 7/26/07 | 1830 | GEI Fridge |
| GEI Fridge [signature] | 7-31-07 | 1300 | [signature] |
| [signature] | 7/31/07 | 1436 | C Clarley |

14 MCP Metals = Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium (total), Lead, Mercury, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc.

AMRO Environmental Laboratories Corporation

# SAMPLE RECEIPT CHECKLIST

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

| | | | |
|---|---|---|---|
| Client: | GEI CONSULTANTS | AMRO ID: | 0707156 |
| Project Name: | CANTON AIRPORT | Date Rec.: | 7-31-07 |
| Ship via: (circle one) Fed Ex., UPS (AMRO Courier) | | Date Due: | 8-7-07 |
| Hand Del., Other Courier, Other: | | | |

| 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 = 5° | | | | |
| 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: 7-31-07 | Logged in By: | CC | Date: 7-31-07 |
| Labeled By: | CC | Date: 7-31-07 | Checked By: | MG | Date: 8-2-07 |



NA= Not Applicable

qc/qcmemos/forms/samplerec Rev.19 02/14/06

AMRO Environmental
Laboratories Corporation

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

Please Circle if:
Sample= Soil
Sample= Waste

AMRO ID: 0707156

| 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 | VOC | 2-40ml | HCl | — | — | | | | | |
| 01B | PCB | 2-1LA | — | 6 | Y | | | | | |
| 01C | SVOC | 2-1LA | — | 6 | Y | | | | | |
| 01D | EPH | 2-1LA | HCl | <2 | Y | | | | | |
| | R/O | | | | | | | | | |
| 01E | DMETALS | 1-500P | $HNO_3$ | <2 | Y | | | | | |
| 01F | TMETALS | 1-500P | $HNO_3$ | <2 | Y | | | | | |

** = 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: 7-31-07 pH adjusted By: _____ Date: _____

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

GC/MS VOLATILES:

1. A Laboratory Control Sample (LCS) and Laboratory Sample Duplicate (LCSD) were performed on 08/02/07 (Batch ID: R37552).

1.1 The % Recovery for 2 analytes out of 71 analytes in the LCS were outside the laboratory control limits.

2. Acetone, 2-Butanone and 1,4-Dioxane recovered outside the control limits in the Continuing Calibration Verification Standard analyzed on 08/02/07.

GC/MS SEMIVOLATILES:

No QC deviations were observed.

GC/ECD-PCBs:

No QC deviations were observed.

MADEP EPH 1.1:

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

2. Only carbon ranges are reported per the client request.

3. One Aliphatic compound recovered outside the control limits (+/- 25%) in closing Continuing Calibration Verification Standard analyzed on 08/06/07. Please refer to the Calibration Summary in the EPH section.

METALS:

1. A Method Blank (MB) was performed on 08/08/07 (Batch ID: 17432).

1.1 The MB for Mercury was 0.2683 ug/L. The sample result is ND at the RL. Therefore there is no impact on the results.

2. A Duplicate was performed on sample 002914--B101D (MW) (0707156-01) (Batch ID: 17408).

# CASE NARRATIVE

2.1 The % RPD was flagged as being outside acceptance limits for Dissolved Beryllium, Cadmium, Nickel and Zinc.. Since the sample results and the duplicate results are all ND at the reporting limit, the duplicate results are acceptable.

## MADEP MCP Analytical Method Report Certification Form

| | | | |
|---|---|---|---|
| Laboratory Name: AMRO Environmental Laboratories, Inc. | | Project Number: | 0707156 |
| Project Location: | 00219-4 Canton Airport | MADEP RTN [1] | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 0707156-01 | | | | | | |

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

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

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

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

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

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

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

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

**Signature:** Paula Benham **Position:** Lab, QC Manager

**Printed Name:** Paula Benham **Date:** 9/7/07

# 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:** *14-Aug-07*

| | | | |
|---|---|---|---|
| **CLIENT:** | GEI Consultants, Inc. | **Client Sample ID:** | 002914-B101D (MW) |
| **Lab Order:** | 0707156 | **Collection Date:** | 7/26/07 4:40:00 PM |
| **Project:** | 00219-4 Canton Airport | **Matrix:** | GROUNDWATER |
| **Lab ID:** | 0707156-01A | | |

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY MCP MET SW8260B** | | | | | | Analyst: **SK** |
| Acetone | ND | 10 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Tertiary Amyl Methyl Ether | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Benzene | ND | 1.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Bromobenzene | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Bromochloromethane | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Bromodichloromethane | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Bromoform | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Bromomethane | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| sec-Butylbenzene | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| n-Butylbenzene | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| tert-Butylbenzene | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Carbon disulfide | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Carbon tetrachloride | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Chlorobenzene | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Dibromochloromethane | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Chloroethane | ND | 5.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Chloroform | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Chloromethane | ND | 3.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| 2-Chlorotoluene | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| 4-Chlorotoluene | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| 1,2-Dibromoethane | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Dibromomethane | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| 1,3-Dichlorobenzene | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| 1,2-Dichlorobenzene | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| 1,4-Dichlorobenzene | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Dichlorodifluoromethane | ND | 5.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| 1,1-Dichloroethane | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| 1,2-Dichloroethane | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| 1,1-Dichloroethene | ND | 1.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| cis-1,2-Dichloroethene | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| trans-1,2-Dichloroethene | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| 1,2-Dichloropropane | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| 1,3-Dichloropropane | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| 2,2-Dichloropropane | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| 1,1-Dichloropropene | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| cis-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| trans-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Diethyl ether | ND | 5.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |

# AMRO Environmental Laboratories Corp.

**Date:** *14-Aug-07*

| | | | |
|---|---|---|---|
| **CLIENT:** | GEI Consultants, Inc. | **Client Sample ID:** | 002914-B101D (MW) |
| **Lab Order:** | 0707156 | **Collection Date:** | 7/26/07 4:40:00 PM |
| **Project:** | 00219-4 Canton Airport | **Matrix:** | GROUNDWATER |
| **Lab ID:** | 0707156-01A | | |

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| 1,4-Dioxane | ND | 50 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Ethyl Tertiary Butyl Ether | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Ethylbenzene | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Hexachlorobutadiene | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| 2-Hexanone | ND | 10 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Isopropylbenzene | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| 4-Isopropyltoluene | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| 2-Butanone | ND | 10 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| 4-Methyl-2-pentanone | ND | 10 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Methyl tert-butyl ether | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Methylene chloride | ND | 5.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Naphthalene | ND | 5.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| n-Propylbenzene | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Styrene | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| 1,1,1,2-Tetrachloroethane | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Tetrachloroethene | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Tetrahydrofuran | ND | 10 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Toluene | 5.0 | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| 1,2,4-Trichlorobenzene | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| 1,2,3-Trichlorobenzene | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| 1,1,1-Trichloroethane | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| 1,1,2-Trichloroethane | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Trichloroethene | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Trichlorofluoromethane | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| 1,2,3-Trichloropropane | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| 1,2,4-Trimethylbenzene | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| 1,3,5-Trimethylbenzene | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Vinyl chloride | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| o-Xylene | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| m,p-Xylene | ND | 2.0 | | µg/L | 1 | 8/2/07 10:51:00 PM |
| Surr: Dibromofluoromethane | 111 | 70-130 | | %REC | 1 | 8/2/07 10:51:00 PM |
| Surr: 1,2-Dichloroethane-d4 | 107 | 70-130 | | %REC | 1 | 8/2/07 10:51:00 PM |
| Surr: Toluene-d8 | 106 | 70-130 | | %REC | 1 | 8/2/07 10:51:00 PM |
| Surr: 4-Bromofluorobenzene | 99.0 | 70-130 | | %REC | 1 | 8/2/07 10:51:00 PM |

AMRO Environmental Laboratories Corp.

**Date:** *06-Aug-07*

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

Method Blank

Sample ID: **mb-08/02/07** Batch ID: **R37552** Test Code: **SW8260B** Units: **µg/L** Analysis Date **8/2/2007 2:36:00 PM** Prep Date: **8/2/2007**

Client ID: Run ID: **V-1_070802A** SeqNo: **625883**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 10 | µg/L | | | | | | | | | |
| Tertiary Amyl Methyl Ether | ND | 2.0 | µg/L | | | | | | | | | |
| Benzene | ND | 1.0 | µg/L | | | | | | | | | |
| Bromobenzene | ND | 2.0 | µg/L | | | | | | | | | |
| Bromochloromethane | ND | 2.0 | µg/L | | | | | | | | | |
| Bromodichloromethane | ND | 2.0 | µg/L | | | | | | | | | |
| Bromoform | ND | 2.0 | µg/L | | | | | | | | | |
| Bromomethane | ND | 2.0 | µg/L | | | | | | | | | |
| sec-Butylbenzene | ND | 2.0 | µg/L | | | | | | | | | |
| n-Butylbenzene | ND | 2.0 | µg/L | | | | | | | | | |
| tert-Butylbenzene | ND | 2.0 | µg/L | | | | | | | | | |
| Carbon disulfide | ND | 2.0 | µg/L | | | | | | | | | |
| Carbon tetrachloride | ND | 2.0 | µg/L | | | | | | | | | |
| Chlorobenzene | ND | 2.0 | µg/L | | | | | | | | | |
| Dibromochloromethane | ND | 2.0 | µg/L | | | | | | | | | |
| Chloroethane | ND | 5.0 | µg/L | | | | | | | | | |
| Chloroform | ND | 2.0 | µg/L | | | | | | | | | |
| Chloromethane | ND | 3.0 | µg/L | | | | | | | | | |
| 2-Chlorotoluene | ND | 2.0 | µg/L | | | | | | | | | |
| 4-Chlorotoluene | ND | 2.0 | µg/L | | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | µg/L | | | | | | | | | |
| 1,2-Dibromoethane | ND | 2.0 | µg/L | | | | | | | | | |
| Dibromomethane | ND | 2.0 | µg/L | | | | | | | | | |
| 1,3-Dichlorobenzene | ND | 2.0 | µg/L | | | | | | | | | |
| 1,2-Dichlorobenzene | ND | 2.0 | 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:** *06-Aug-07*

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

Method Blank

| | | | |
|---|---|---|---|
| 1,4-Dichlorobenzene | ND | 2.0 | µg/L |
| Dichlorodifluoromethane | ND | 5.0 | µg/L |
| 1,1-Dichloroethane | ND | 2.0 | µg/L |
| 1,2-Dichloroethane | ND | 2.0 | µg/L |
| 1,1-Dichloroethene | ND | 1.0 | µg/L |
| cis-1,2-Dichloroethene | ND | 2.0 | µg/L |
| trans-1,2-Dichloroethene | ND | 2.0 | µg/L |
| 1,2-Dichloropropane | ND | 2.0 | µg/L |
| 1,3-Dichloropropane | ND | 2.0 | µg/L |
| 2,2-Dichloropropane | ND | 2.0 | µg/L |
| 1,1-Dichloropropene | ND | 2.0 | µg/L |
| cis-1,3-Dichloropropene | ND | 1.0 | µg/L |
| trans-1,3-Dichloropropene | ND | 1.0 | µg/L |
| Diethyl ether | ND | 5.0 | µg/L |
| Diisopropyl ether | ND | 2.0 | µg/L |
| 1,4-Dioxane | ND | 50 | µg/L |
| Ethyl Tertiary Butyl Ether | ND | 2.0 | µg/L |
| Ethylbenzene | ND | 2.0 | µg/L |
| Hexachlorobutadiene | ND | 2.0 | µg/L |
| 2-Hexanone | ND | 10 | µg/L |
| Isopropylbenzene | ND | 2.0 | µg/L |
| 4-Isopropyltoluene | ND | 2.0 | µg/L |
| 2-Butanone | ND | 10 | µg/L |
| 4-Methyl-2-pentanone | ND | 10 | µg/L |
| Methyl tert-butyl ether | ND | 2.0 | µg/L |
| Methylene chloride | ND | 5.0 | µg/L |
| Naphthalene | ND | 5.0 | µg/L |
| n-Propylbenzene | ND | 2.0 | µg/L |
| Styrene | ND | 2.0 | µg/L |
| 1,1,1,2-Tetrachloroethane | ND | 2.0 | µg/L |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | µg/L |

**Qualifiers:** ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

Method Blank

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Tetrachloroethene | ND | 2.0 | µg/L | | | | | | |
| Tetrahydrofuran | ND | 10 | µg/L | | | | | | |
| Toluene | ND | 2.0 | µg/L | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 2.0 | µg/L | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 2.0 | µg/L | | | | | | |
| 1,1,1-Trichloroethane | ND | 2.0 | µg/L | | | | | | |
| 1,1,2-Trichloroethane | ND | 2.0 | µg/L | | | | | | |
| Trichloroethene | ND | 2.0 | µg/L | | | | | | |
| Trichlorofluoromethane | ND | 2.0 | µg/L | | | | | | |
| 1,2,3-Trichloropropane | ND | 2.0 | µg/L | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 2.0 | µg/L | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 2.0 | µg/L | | | | | | |
| Vinyl chloride | ND | 2.0 | µg/L | | | | | | |
| o-Xylene | ND | 2.0 | µg/L | | | | | | |
| m,p-Xylene | ND | 2.0 | µg/L | | | | | | |
| Surr: Dibromofluoromethane | 26.98 | 2.0 | µg/L | 25 | 0 | 108 | 70 | 130 | 0 |
| Surr: 1,2-Dichloroethane-d4 | 25.89 | 2.0 | µg/L | 25 | 0 | 104 | 70 | 130 | 0 |
| Surr: Toluene-d8 | 25.49 | 2.0 | µg/L | 25 | 0 | 102 | 70 | 130 | 0 |
| Surr: 4-Bromofluorobenzene | 25.96 | 2.0 | µg/L | 25 | 0 | 104 | 70 | 130 | 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-Aug-07*

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

Laboratory Control Spike - Full List

Sample ID: **lcsf-08/02/07** Batch ID: **R37552** Test Code: **SW8260B** Units: ***µg/L*** Analysis Date **8/2/2007 12:51:00 PM** Prep Date: **8/2/2007**

Client ID: Run ID: **V-1_070802A** SeqNo: **625884**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | 22.9 | 10 | µg/L | 20 | 0 | 114 | 70 | 130 | 0 | | | |
| Tertiary Amyl Methyl Ether | 22.59 | 2.0 | µg/L | 20 | 0 | 113 | 70 | 130 | 0 | | | |
| Benzene | 22.63 | 1.0 | µg/L | 20 | 0 | 113 | 70 | 130 | 0 | | | |
| Bromobenzene | 19.63 | 2.0 | µg/L | 20 | 0 | 98.2 | 70 | 130 | 0 | | | |
| Bromochloromethane | 24.6 | 2.0 | µg/L | 20 | 0 | 123 | 70 | 130 | 0 | | | |
| Bromodichloromethane | 21.93 | 2.0 | µg/L | 20 | 0 | 110 | 70 | 130 | 0 | | | |
| Bromoform | 17.28 | 2.0 | µg/L | 20 | 0 | 86.4 | 70 | 130 | 0 | | | |
| Bromomethane | 21.95 | 2.0 | µg/L | 20 | 0 | 110 | 70 | 130 | 0 | | | |
| sec-Butylbenzene | 21.9 | 2.0 | µg/L | 20 | 0 | 110 | 70 | 130 | 0 | | | |
| n-Butylbenzene | 21.54 | 2.0 | µg/L | 20 | 0 | 108 | 70 | 130 | 0 | | | |
| tert-Butylbenzene | 21.14 | 2.0 | µg/L | 20 | 0 | 106 | 70 | 130 | 0 | | | |
| Carbon disulfide | 22.94 | 2.0 | µg/L | 20 | 0 | 115 | 70 | 130 | 0 | | | |
| Carbon tetrachloride | 24.42 | 2.0 | µg/L | 20 | 0 | 122 | 70 | 130 | 0 | | | |
| Chlorobenzene | 20.05 | 2.0 | µg/L | 20 | 0 | 100 | 70 | 130 | 0 | | | |
| Dibromochloromethane | 18.77 | 2.0 | µg/L | 20 | 0 | 93.8 | 70 | 130 | 0 | | | |
| Chloroethane | 21.55 | 5.0 | µg/L | 20 | 0 | 108 | 70 | 130 | 0 | | | |
| Chloroform | 24.58 | 2.0 | µg/L | 20 | 0 | 123 | 70 | 130 | 0 | | | |
| Chloromethane | 19.52 | 3.0 | µg/L | 20 | 0 | 97.6 | 70 | 130 | 0 | | | |
| 2-Chlorotoluene | 18.89 | 2.0 | µg/L | 20 | 0 | 94.4 | 70 | 130 | 0 | | | |
| 4-Chlorotoluene | 19.3 | 2.0 | µg/L | 20 | 0 | 96.5 | 70 | 130 | 0 | | | |
| 1,2-Dibromo-3-chloropropane | 18.63 | 5.0 | µg/L | 20 | 0 | 93.2 | 70 | 130 | 0 | | | |
| 1,2-Dibromoethane | 24.76 | 2.0 | µg/L | 20 | 0 | 124 | 70 | 130 | 0 | | | |
| Dibromomethane | 24.13 | 2.0 | µg/L | 20 | 0 | 121 | 70 | 130 | 0 | | | |
| 1,3-Dichlorobenzene | 20.53 | 2.0 | µg/L | 20 | 0 | 103 | 70 | 130 | 0 | | | |
| 1,2-Dichlorobenzene | 20.91 | 2.0 | µg/L | 20 | 0 | 105 | 70 | 130 | 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.

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

## Laboratory Control Spike - Full List

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dichlorobenzene | 20.32 | 2.0 | µg/L | 20 | 0 | 102 | 70 | 130 | 0 | |
| Dichlorodifluoromethane | 22.25 | 5.0 | µg/L | 20 | 0 | 111 | 70 | 130 | 0 | |
| 1,1-Dichloroethane | 21.87 | 2.0 | µg/L | 20 | 0 | 109 | 70 | 130 | 0 | |
| 1,2-Dichloroethane | 23.86 | 2.0 | µg/L | 20 | 0 | 119 | 70 | 130 | 0 | |
| 1,1-Dichloroethene | 24.83 | 1.0 | µg/L | 20 | 0 | 124 | 70 | 130 | 0 | |
| cis-1,2-Dichloroethene | 22.47 | 2.0 | µg/L | 20 | 0 | 112 | 70 | 130 | 0 | |
| trans-1,2-Dichloroethene | 23.13 | 2.0 | µg/L | 20 | 0 | 116 | 70 | 130 | 0 | |
| 1,2-Dichloropropane | 21.36 | 2.0 | µg/L | 20 | 0 | 107 | 70 | 130 | 0 | |
| 1,3-Dichloropropane | 20.55 | 2.0 | µg/L | 20 | 0 | 103 | 70 | 130 | 0 | |
| 2,2-Dichloropropane | 25.98 | 2.0 | µg/L | 20 | 0 | 130 | 70 | 130 | 0 | |
| 1,1-Dichloropropene | 24.56 | 2.0 | µg/L | 20 | 0 | 123 | 70 | 130 | 0 | |
| cis-1,3-Dichloropropene | 22.27 | 1.0 | µg/L | 20 | 0 | 111 | 70 | 130 | 0 | |
| trans-1,3-Dichloropropene | 22.47 | 1.0 | µg/L | 20 | 0 | 112 | 70 | 130 | 0 | |
| Diethyl ether | 22.18 | 5.0 | µg/L | 20 | 0 | 111 | 70 | 130 | 0 | |
| Diisopropyl ether | 20.2 | 2.0 | µg/L | 20 | 0 | 101 | 70 | 130 | 0 | |
| 1,4-Dioxane | 137.7 | 50 | µg/L | 100 | 0 | 138 | 70 | 130 | 0 | S |
| Ethyl Tertiary Butyl Ether | 22.49 | 2.0 | µg/L | 20 | 0 | 112 | 70 | 130 | 0 | |
| Ethylbenzene | 20.36 | 2.0 | µg/L | 20 | 0 | 102 | 70 | 130 | 0 | |
| Hexachlorobutadiene | 18.56 | 2.0 | µg/L | 20 | 0 | 92.8 | 70 | 130 | 0 | |
| 2-Hexanone | 19.01 | 10 | µg/L | 20 | 0 | 95 | 70 | 130 | 0 | |
| Isopropylbenzene | 20.53 | 2.0 | µg/L | 20 | 0 | 103 | 70 | 130 | 0 | |
| 4-Isopropyltoluene | 21.76 | 2.0 | µg/L | 20 | 0 | 109 | 70 | 130 | 0 | |
| 2-Butanone | 24.38 | 10 | µg/L | 20 | 0 | 122 | 70 | 130 | 0 | |
| 4-Methyl-2-pentanone | 24.18 | 10 | µg/L | 20 | 0 | 121 | 70 | 130 | 0 | |
| Methyl tert-butyl ether | 23.32 | 2.0 | µg/L | 20 | 0 | 117 | 70 | 130 | 0 | |
| Methylene chloride | 19.59 | 5.0 | µg/L | 20 | 0 | 98 | 70 | 130 | 0 | |
| Naphthalene | 22.72 | 5.0 | µg/L | 20 | 0 | 114 | 70 | 130 | 0 | |
| n-Propylbenzene | 19.97 | 2.0 | µg/L | 20 | 0 | 99.8 | 70 | 130 | 0 | |
| Styrene | 20.77 | 2.0 | µg/L | 20 | 0 | 104 | 70 | 130 | 0 | |
| 1,1,1,2-Tetrachloroethane | 21.49 | 2.0 | µg/L | 20 | 0 | 107 | 70 | 130 | 0 | |
| 1,1,2,2-Tetrachloroethane | 19.62 | 2.0 | µg/L | 20 | 0 | 98.1 | 70 | 130 | 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.

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

## Laboratory Control Spike - Full List

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloroethene | 22.32 | 2.0 | µg/L | 20 | 0 | 112 | 70 | 130 | 0 | |
| Tetrahydrofuran | 20.85 | 10 | µg/L | 20 | 0 | 104 | 70 | 130 | 0 | |
| Toluene | 21.55 | 2.0 | µg/L | 20 | 0 | 108 | 70 | 130 | 0 | |
| 1,2,4-Trichlorobenzene | 22.65 | 2.0 | µg/L | 20 | 0 | 113 | 70 | 130 | 0 | |
| 1,2,3-Trichlorobenzene | 22.45 | 2.0 | µg/L | 20 | 0 | 112 | 70 | 130 | 0 | |
| 1,1,1-Trichloroethane | 25.36 | 2.0 | µg/L | 20 | 0 | 127 | 70 | 130 | 0 | |
| 1,1,2-Trichloroethane | 23.15 | 2.0 | µg/L | 20 | 0 | 116 | 70 | 130 | 0 | |
| Trichloroethene | 23.79 | 2.0 | µg/L | 20 | 0 | 119 | 70 | 130 | 0 | |
| Trichlorofluoromethane | 26.98 | 2.0 | µg/L | 20 | 0 | 135 | 70 | 130 | 0 | S |
| 1,2,3-Trichloropropane | 21.32 | 2.0 | µg/L | 20 | 0 | 107 | 70 | 130 | 0 | |
| 1,2,4-Trimethylbenzene | 20.43 | 2.0 | µg/L | 20 | 0 | 102 | 70 | 130 | 0 | |
| 1,3,5-Trimethylbenzene | 20.63 | 2.0 | µg/L | 20 | 0 | 103 | 70 | 130 | 0 | |
| Vinyl chloride | 23.38 | 2.0 | µg/L | 20 | 0 | 117 | 70 | 130 | 0 | |
| o-Xylene | 20.71 | 2.0 | µg/L | 20 | 0 | 104 | 70 | 130 | 0 | |
| m,p-Xylene | 41.24 | 2.0 | µg/L | 40 | 0 | 103 | 70 | 130 | 0 | |
| Surr: Dibromofluoromethane | 26.97 | 2.0 | µg/L | 25 | 0 | 108 | 70 | 130 | 0 | |
| Surr: 1,2-Dichloroethane-d4 | 26.08 | 2.0 | µg/L | 25 | 0 | 104 | 70 | 130 | 0 | |
| Surr: Toluene-d8 | 26 | 2.0 | µg/L | 25 | 0 | 104 | 70 | 130 | 0 | |
| Surr: 4-Bromofluorobenzene | 25.13 | 2.0 | µg/L | 25 | 0 | 101 | 70 | 130 | 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-Aug-07*

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

## Laboratory Control Spike Duplicate - Full List

Sample ID: **lcsdf-08/02/07** Batch ID: **R37552** Test Code: **SW8260B** Units: **µg/L** Analysis Date **8/2/2007 1:26:00 PM** Prep Date: **8/2/2007**

Client ID: Run ID: **V-1_070802A** SeqNo: **625885**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | 24.1 | 10 | µg/L | 20 | 0 | 120 | 70 | 130 | 22.9 | 5.11 | 20 | |
| Tertiary Amyl Methyl Ether | 21.79 | 2.0 | µg/L | 20 | 0 | 109 | 70 | 130 | 22.59 | 3.61 | 20 | |
| Benzene | 20.96 | 1.0 | µg/L | 20 | 0 | 105 | 70 | 130 | 22.63 | 7.66 | 20 | |
| Bromobenzene | 18.95 | 2.0 | µg/L | 20 | 0 | 94.8 | 70 | 130 | 19.63 | 3.53 | 20 | |
| Bromochloromethane | 23.12 | 2.0 | µg/L | 20 | 0 | 116 | 70 | 130 | 24.6 | 6.2 | 20 | |
| Bromodichloromethane | 20.71 | 2.0 | µg/L | 20 | 0 | 104 | 70 | 130 | 21.93 | 5.72 | 20 | |
| Bromoform | 16.69 | 2.0 | µg/L | 20 | 0 | 83.4 | 70 | 130 | 17.28 | 3.47 | 20 | |
| Bromomethane | 19.85 | 2.0 | µg/L | 20 | 0 | 99.2 | 70 | 130 | 21.95 | 10 | 20 | |
| sec-Butylbenzene | 18.98 | 2.0 | µg/L | 20 | 0 | 94.9 | 70 | 130 | 21.9 | 14.3 | 20 | |
| n-Butylbenzene | 18.42 | 2.0 | µg/L | 20 | 0 | 92.1 | 70 | 130 | 21.54 | 15.6 | 20 | |
| tert-Butylbenzene | 19.02 | 2.0 | µg/L | 20 | 0 | 95.1 | 70 | 130 | 21.14 | 10.6 | 20 | |
| Carbon disulfide | 20.13 | 2.0 | µg/L | 20 | 0 | 101 | 70 | 130 | 22.94 | 13 | 20 | |
| Carbon tetrachloride | 21.59 | 2.0 | µg/L | 20 | 0 | 108 | 70 | 130 | 24.42 | 12.3 | 20 | |
| Chlorobenzene | 18.93 | 2.0 | µg/L | 20 | 0 | 94.6 | 70 | 130 | 20.05 | 5.75 | 20 | |
| Dibromochloromethane | 18.26 | 2.0 | µg/L | 20 | 0 | 91.3 | 70 | 130 | 18.77 | 2.75 | 20 | |
| Chloroethane | 18.57 | 5.0 | µg/L | 20 | 0 | 92.8 | 70 | 130 | 21.55 | 14.9 | 20 | |
| Chloroform | 23.05 | 2.0 | µg/L | 20 | 0 | 115 | 70 | 130 | 24.58 | 6.42 | 20 | |
| Chloromethane | 17.99 | 3.0 | µg/L | 20 | 0 | 90 | 70 | 130 | 19.52 | 8.16 | 20 | |
| 2-Chlorotoluene | 17.69 | 2.0 | µg/L | 20 | 0 | 88.4 | 70 | 130 | 18.89 | 6.56 | 20 | |
| 4-Chlorotoluene | 17.66 | 2.0 | µg/L | 20 | 0 | 88.3 | 70 | 130 | 19.3 | 8.87 | 20 | |
| 1,2-Dibromo-3-chloropropane | 18.22 | 5.0 | µg/L | 20 | 0 | 91.1 | 70 | 130 | 18.63 | 2.23 | 20 | |
| 1,2-Dibromoethane | 23.91 | 2.0 | µg/L | 20 | 0 | 120 | 70 | 130 | 24.76 | 3.49 | 20 | |
| Dibromomethane | 23.26 | 2.0 | µg/L | 20 | 0 | 116 | 70 | 130 | 24.13 | 3.67 | 20 | |
| 1,3-Dichlorobenzene | 18.96 | 2.0 | µg/L | 20 | 0 | 94.8 | 70 | 130 | 20.53 | 7.95 | 20 | |
| 1,2-Dichlorobenzene | 19.69 | 2.0 | µg/L | 20 | 0 | 98.4 | 70 | 130 | 20.91 | 6.01 | 20 | |

**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.

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

## Laboratory Control Spike Duplicate - Full List

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dichlorobenzene | 19.29 | 2.0 | µg/L | 20 | 0 | 96.5 | 70 | 130 | 20.32 | 5.2 | 20 |
| Dichlorodifluoromethane | 21.68 | 5.0 | µg/L | 20 | 0 | 108 | 70 | 130 | 22.25 | 2.6 | 20 |
| 1,1-Dichloroethane | 20.45 | 2.0 | µg/L | 20 | 0 | 102 | 70 | 130 | 21.87 | 6.71 | 20 |
| 1,2-Dichloroethane | 22.83 | 2.0 | µg/L | 20 | 0 | 114 | 70 | 130 | 23.86 | 4.41 | 20 |
| 1,1-Dichloroethene | 22.86 | 1.0 | µg/L | 20 | 0 | 114 | 70 | 130 | 24.83 | 8.26 | 20 |
| cis-1,2-Dichloroethene | 20.93 | 2.0 | µg/L | 20 | 0 | 105 | 70 | 130 | 22.47 | 7.1 | 20 |
| trans-1,2-Dichloroethene | 21.05 | 2.0 | µg/L | 20 | 0 | 105 | 70 | 130 | 23.13 | 9.42 | 20 |
| 1,2-Dichloropropane | 20.22 | 2.0 | µg/L | 20 | 0 | 101 | 70 | 130 | 21.36 | 5.48 | 20 |
| 1,3-Dichloropropane | 20.53 | 2.0 | µg/L | 20 | 0 | 103 | 70 | 130 | 20.55 | 0.0974 | 20 |
| 2,2-Dichloropropane | 23.25 | 2.0 | µg/L | 20 | 0 | 116 | 70 | 130 | 25.98 | 11.1 | 20 |
| 1,1-Dichloropropene | 22.48 | 2.0 | µg/L | 20 | 0 | 112 | 70 | 130 | 24.56 | 8.84 | 20 |
| cis-1,3-Dichloropropene | 20.85 | 1.0 | µg/L | 20 | 0 | 104 | 70 | 130 | 22.27 | 6.59 | 20 |
| trans-1,3-Dichloropropene | 20.98 | 1.0 | µg/L | 20 | 0 | 105 | 70 | 130 | 22.47 | 6.86 | 20 |
| Diethyl ether | 21.78 | 5.0 | µg/L | 20 | 0 | 109 | 70 | 130 | 22.18 | 1.82 | 20 |
| Diisopropyl ether | 19.26 | 2.0 | µg/L | 20 | 0 | 96.3 | 70 | 130 | 20.2 | 4.76 | 20 |
| 1,4-Dioxane | 122.4 | 50 | µg/L | 100 | 0 | 122 | 70 | 130 | 137.7 | 11.8 | 20 |
| Ethyl Tertiary Butyl Ether | 21.16 | 2.0 | µg/L | 20 | 0 | 106 | 70 | 130 | 22.49 | 6.09 | 20 |
| Ethylbenzene | 18.74 | 2.0 | µg/L | 20 | 0 | 93.7 | 70 | 130 | 20.36 | 8.29 | 20 |
| Hexachlorobutadiene | 16.59 | 2.0 | µg/L | 20 | 0 | 83 | 70 | 130 | 18.56 | 11.2 | 20 |
| 2-Hexanone | 18.85 | 10 | µg/L | 20 | 0 | 94.2 | 70 | 130 | 19.01 | 0.845 | 20 |
| Isopropylbenzene | 18.25 | 2.0 | µg/L | 20 | 0 | 91.2 | 70 | 130 | 20.53 | 11.8 | 20 |
| 4-Isopropyltoluene | 19.8 | 2.0 | µg/L | 20 | 0 | 99 | 70 | 130 | 21.76 | 9.43 | 20 |
| 2-Butanone | 25.22 | 10 | µg/L | 20 | 0 | 126 | 70 | 130 | 24.38 | 3.39 | 20 |
| 4-Methyl-2-pentanone | 22.61 | 10 | µg/L | 20 | 0 | 113 | 70 | 130 | 24.18 | 6.71 | 20 |
| Methyl tert-butyl ether | 22.35 | 2.0 | µg/L | 20 | 0 | 112 | 70 | 130 | 23.32 | 4.25 | 20 |
| Methylene chloride | 18.93 | 5.0 | µg/L | 20 | 0 | 94.6 | 70 | 130 | 19.59 | 3.43 | 20 |
| Naphthalene | 22.76 | 5.0 | µg/L | 20 | 0 | 114 | 70 | 130 | 22.72 | 0.176 | 20 |
| n-Propylbenzene | 17.43 | 2.0 | µg/L | 20 | 0 | 87.2 | 70 | 130 | 19.97 | 13.6 | 20 |
| Styrene | 19.89 | 2.0 | µg/L | 20 | 0 | 99.4 | 70 | 130 | 20.77 | 4.33 | 20 |
| 1,1,1,2-Tetrachloroethane | 20.58 | 2.0 | µg/L | 20 | 0 | 103 | 70 | 130 | 21.49 | 4.33 | 20 |
| 1,1,2,2-Tetrachloroethane | 19.57 | 2.0 | µg/L | 20 | 0 | 97.8 | 70 | 130 | 19.62 | 0.255 | 20 |

**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.

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

## Laboratory Control Spike Duplicate - Full List

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloroethene | 20.99 | 2.0 | µg/L | 20 | 0 | 105 | 70 | 130 | 22.32 | 6.14 | 20 |
| Tetrahydrofuran | 22.44 | 10 | µg/L | 20 | 0 | 112 | 70 | 130 | 20.85 | 7.35 | 20 |
| Toluene | 20.19 | 2.0 | µg/L | 20 | 0 | 101 | 70 | 130 | 21.55 | 6.52 | 20 |
| 1,2,4-Trichlorobenzene | 21.09 | 2.0 | µg/L | 20 | 0 | 105 | 70 | 130 | 22.65 | 7.13 | 20 |
| 1,2,3-Trichlorobenzene | 21.17 | 2.0 | µg/L | 20 | 0 | 106 | 70 | 130 | 22.45 | 5.87 | 20 |
| 1,1,1-Trichloroethane | 23.35 | 2.0 | µg/L | 20 | 0 | 117 | 70 | 130 | 25.36 | 8.25 | 20 |
| 1,1,2-Trichloroethane | 22.28 | 2.0 | µg/L | 20 | 0 | 111 | 70 | 130 | 23.15 | 3.83 | 20 |
| Trichloroethene | 21.25 | 2.0 | µg/L | 20 | 0 | 106 | 70 | 130 | 23.79 | 11.3 | 20 |
| Trichlorofluoromethane | 24.88 | 2.0 | µg/L | 20 | 0 | 124 | 70 | 130 | 26.98 | 8.1 | 20 |
| 1,2,3-Trichloropropane | 20.46 | 2.0 | µg/L | 20 | 0 | 102 | 70 | 130 | 21.32 | 4.12 | 20 |
| 1,2,4-Trimethylbenzene | 18.88 | 2.0 | µg/L | 20 | 0 | 94.4 | 70 | 130 | 20.43 | 7.89 | 20 |
| 1,3,5-Trimethylbenzene | 18.59 | 2.0 | µg/L | 20 | 0 | 93 | 70 | 130 | 20.63 | 10.4 | 20 |
| Vinyl chloride | 20.92 | 2.0 | µg/L | 20 | 0 | 105 | 70 | 130 | 23.38 | 11.1 | 20 |
| o-Xylene | 19.23 | 2.0 | µg/L | 20 | 0 | 96.2 | 70 | 130 | 20.71 | 7.41 | 20 |
| m,p-Xylene | 38.42 | 2.0 | µg/L | 40 | 0 | 96 | 70 | 130 | 41.24 | 7.08 | 20 |
| Surr: Dibromofluoromethane | 27.47 | 2.0 | µg/L | 25 | 0 | 110 | 70 | 130 | 0 | 0 | 0 |
| Surr: 1,2-Dichloroethane-d4 | 26.31 | 2.0 | µg/L | 25 | 0 | 105 | 70 | 130 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 25.93 | 2.0 | µg/L | 25 | 0 | 104 | 70 | 130 | 0 | 0 | 0 |
| Surr: 4-Bromofluorobenzene | 25.78 | 2.0 | µg/L | 25 | 0 | 103 | 70 | 130 | 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:** *14-Aug-07*

| | | | |
|---|---|---|---|
| **CLIENT:** | GEI Consultants, Inc. | **Client Sample ID:** | 002914-B101D (MW) |
| **Lab Order:** | 0707156 | **Collection Date:** | 7/26/07 4:40:00 PM |
| **Project:** | 00219-4 Canton Airport | **Matrix:** | GROUNDWATER |
| **Lab ID:** | 0707156-01C | | |

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **SEMIVOLATILE ORGANIC COMPOUNDS BY MCP SW8270C** | | | | | | Analyst: KT |
| Acenaphthene | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Acenaphthylene | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Acetophenone | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Aniline | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Anthracene | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| 1,2-Diphenylhydrazine (as Azobenzene) | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Benz(a)anthracene | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Benzo(a)pyrene | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Benzo(b)fluoranthene | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Benzo(k)fluoranthene | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Benzo(g,h,i)perylene | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| 4-Bromophenyl phenyl ether | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Butyl benzyl phthalate | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Di-n-butyl phthalate | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| 4-Chloroaniline | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Bis(2-chloroethoxy)methane | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Bis(2-chloroethyl)ether | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Bis(2-chloroisopropyl)ether | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| 2-Chloronaphthalene | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| 2-Chlorophenol | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Chrysene | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Dibenz(a,h)anthracene | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Dibenzofuran | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| 1,2-Dichlorobenzene | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| 1,3-Dichlorobenzene | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| 1,4-Dichlorobenzene | ND | 5.2 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| 3,3'-Dichlorobenzidine | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| 2,4-Dichlorophenol | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Diethyl phthalate | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Dimethyl phthalate | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| 2,4-Dimethylphenol | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| 2,4-Dinitrophenol | ND | 21 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| 2,4-Dinitrotoluene | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| 2,6-Dinitrotoluene | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Bis(2-ethylhexyl)phthalate | ND | 5.2 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Fluoranthene | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Fluorene | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Hexachlorobenzene | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |

# AMRO Environmental Laboratories Corp.

**Date:** *14-Aug-07*

| | | | |
|---|---|---|---|
| **CLIENT:** | GEI Consultants, Inc. | **Client Sample ID:** | 002914-B101D (MW) |
| **Lab Order:** | 0707156 | **Collection Date:** | 7/26/07 4:40:00 PM |
| **Project:** | 00219-4 Canton Airport | **Matrix:** | GROUNDWATER |
| **Lab ID:** | 0707156-01C | | |

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| Hexachlorobutadiene | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Hexachloroethane | ND | 5.2 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Indeno(1,2,3-cd)pyrene | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Isophorone | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| 2-Methylnaphthalene | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| 2-Methylphenol | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| 4-Methylphenol | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Naphthalene | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Nitrobenzene | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| 2-Nitrophenol | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| 4-Nitrophenol | ND | 21 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Di-n-octyl phthalate | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Pentachlorophenol | ND | 21 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Phenanthrene | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Phenol | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Pyrene | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| 1,2,4-Trichlorobenzene | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| 2,4,5-Trichlorophenol | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| 2,4,6-Trichlorophenol | ND | 10 | | µg/L | 1 | 8/9/07 2:26:00 PM |
| Surr: 2-Fluorophenol | 35.3 | 15-110 | | %REC | 1 | 8/9/07 2:26:00 PM |
| Surr: Phenol-d5 | 25.5 | 15-110 | | %REC | 1 | 8/9/07 2:26:00 PM |
| Surr: Nitrobenzene-d5 | 67.8 | 30-130 | | %REC | 1 | 8/9/07 2:26:00 PM |
| Surr: 2-Fluorobiphenyl | 69.5 | 30-130 | | %REC | 1 | 8/9/07 2:26:00 PM |
| Surr: 2,4,6-Tribromophenol | 56.0 | 15-110 | | %REC | 1 | 8/9/07 2:26:00 PM |
| Surr: 4-Terphenyl-d14 | 76.5 | 30-130 | | %REC | 1 | 8/9/07 2:26:00 PM |

AMRO Environmental Laboratories Corp.

**Date:** *14-Aug-07*

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT
## Method Blank

Sample ID **mb-17413** Batch ID: **17413** Test Code: **SW8270C** Units: **µg/L** Analysis Date **8/9/07 1:15:00 PM** Prep Date **8/2/07**
Client ID: Run ID: **SV-4_070809A** SeqNo: **627514**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | 10 | µg/L | | | | | | | | | |
| Acenaphthylene | ND | 10 | µg/L | | | | | | | | | |
| Acetophenone | ND | 10 | µg/L | | | | | | | | | |
| Aniline | ND | 10 | µg/L | | | | | | | | | |
| Anthracene | ND | 10 | µg/L | | | | | | | | | |
| 1,2-Diphenylhydrazine (as Azobe | ND | 10 | µg/L | | | | | | | | | |
| Benz(a)anthracene | ND | 10 | µg/L | | | | | | | | | |
| Benzo(a)pyrene | ND | 10 | µg/L | | | | | | | | | |
| Benzo(b)fluoranthene | ND | 10 | µg/L | | | | | | | | | |
| Benzo(k)fluoranthene | ND | 10 | µg/L | | | | | | | | | |
| Benzo(g,h,i)perylene | ND | 10 | µg/L | | | | | | | | | |
| 4-Bromophenyl phenyl ether | ND | 10 | µg/L | | | | | | | | | |
| Butyl benzyl phthalate | ND | 10 | µg/L | | | | | | | | | |
| Di-n-butyl phthalate | ND | 10 | µg/L | | | | | | | | | |
| 4-Chloroaniline | ND | 10 | µg/L | | | | | | | | | |
| Bis(2-chloroethoxy)methane | ND | 10 | µg/L | | | | | | | | | |
| Bis(2-chloroethyl)ether | ND | 10 | µg/L | | | | | | | | | |
| Bis(2-chloroisopropyl)ether | ND | 10 | µg/L | | | | | | | | | |
| 2-Chloronaphthalene | ND | 10 | µg/L | | | | | | | | | |
| 2-Chlorophenol | ND | 10 | µg/L | | | | | | | | | |
| Chrysene | ND | 10 | µg/L | | | | | | | | | |
| Dibenz(a,h)anthracene | ND | 10 | µg/L | | | | | | | | | |
| Dibenzofuran | ND | 10 | µg/L | | | | | | | | | |
| 1,2-Dichlorobenzene | ND | 10 | µg/L | | | | | | | | | |
| 1,3-Dichlorobenzene | ND | 10 | 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.

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

Method Blank

| | | | |
|---|---|---|---|
| 1,4-Dichlorobenzene | ND | 5.0 | µg/L |
| 3,3'-Dichlorobenzidine | ND | 10 | µg/L |
| 2,4-Dichlorophenol | ND | 10 | µg/L |
| Diethyl phthalate | ND | 10 | µg/L |
| Dimethyl phthalate | ND | 10 | µg/L |
| 2,4-Dimethylphenol | ND | 10 | µg/L |
| 2,4-Dinitrophenol | ND | 20 | µg/L |
| 2,4-Dinitrotoluene | ND | 10 | µg/L |
| 2,6-Dinitrotoluene | ND | 10 | µg/L |
| Bis(2-ethylhexyl)phthalate | ND | 5.0 | µg/L |
| Fluoranthene | ND | 10 | µg/L |
| Fluorene | ND | 10 | µg/L |
| Hexachlorobenzene | ND | 10 | µg/L |
| Hexachlorobutadiene | ND | 10 | µg/L |
| Hexachloroethane | ND | 5.0 | µg/L |
| Indeno(1,2,3-cd)pyrene | ND | 10 | µg/L |
| Isophorone | ND | 10 | µg/L |
| 2-Methylnaphthalene | ND | 10 | µg/L |
| 2-Methylphenol | ND | 10 | µg/L |
| 4-Methylphenol | ND | 10 | µg/L |
| Naphthalene | ND | 10 | µg/L |
| Nitrobenzene | ND | 10 | µg/L |
| 2-Nitrophenol | ND | 10 | µg/L |
| 4-Nitrophenol | ND | 20 | µg/L |
| Di-n-octyl phthalate | ND | 10 | µg/L |
| Pentachlorophenol | ND | 20 | µg/L |
| Phenanthrene | ND | 10 | µg/L |
| Phenol | ND | 10 | µg/L |
| Pyrene | ND | 10 | µg/L |
| 1,2,4-Trichlorobenzene | ND | 10 | µg/L |
| 2,4,5-Trichlorophenol | ND | 10 | µg/L |

**Qualifiers:** ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

Method Blank

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2,4,6-Trichlorophenol | ND | 10 | µg/L | | | | | | |
| Surr: 2-Fluorophenol | 38.05 | 1.0 | µg/L | 75 | 0 | 50.7 | 15 | 110 | 0 |
| Surr: Phenol-d5 | 23.02 | 1.0 | µg/L | 75 | 0 | 30.7 | 15 | 110 | 0 |
| Surr: Nitrobenzene-d5 | 36.47 | 1.0 | µg/L | 50 | 0 | 72.9 | 30 | 130 | 0 |
| Surr: 2-Fluorobiphenyl | 39.16 | 1.0 | µg/L | 50 | 0 | 78.3 | 30 | 130 | 0 |
| Surr: 2,4,6-Tribromophenol | 61.02 | 1.0 | µg/L | 75 | 0 | 81.4 | 15 | 110 | 0 |
| Surr: 4-Terphenyl-d14 | 41.45 | 1.0 | µg/L | 50 | 0 | 82.9 | 30 | 130 | 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:** *14-Aug-07*

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

## Laboratory Control Spike - Full List

Sample ID **lcs-17413** Batch ID: **17413** Test Code: **SW8270C** Units: **µg/L** Analysis Date **8/9/07 1:38:00 PM** Prep Date **8/2/07**

Client ID: Run ID: **SV-4_070809A** SeqNo: **627515**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 43.14 | 10 | µg/L | 50 | 0 | 86.3 | 40 | 140 | 0 | | | |
| Acenaphthylene | 42.49 | 10 | µg/L | 50 | 0 | 85 | 40 | 140 | 0 | | | |
| Acetophenone | 36.12 | 10 | µg/L | 50 | 0 | 72.2 | 40 | 140 | 0 | | | |
| Aniline | 32.72 | 10 | µg/L | 50 | 0 | 65.4 | 40 | 140 | 0 | | | |
| Anthracene | 44.53 | 10 | µg/L | 50 | 0 | 89.1 | 40 | 140 | 0 | | | |
| 1,2-Diphenylhydrazine (as Azobe | 40.52 | 10 | µg/L | 50 | 0 | 81 | 40 | 140 | 0 | | | |
| Benz(a)anthracene | 45.05 | 10 | µg/L | 50 | 0 | 90.1 | 40 | 140 | 0 | | | |
| Benzo(a)pyrene | 44.26 | 10 | µg/L | 50 | 0 | 88.5 | 40 | 140 | 0 | | | |
| Benzo(b)fluoranthene | 43.64 | 10 | µg/L | 50 | 0 | 87.3 | 40 | 140 | 0 | | | |
| Benzo(k)fluoranthene | 42.31 | 10 | µg/L | 50 | 0 | 84.6 | 40 | 140 | 0 | | | |
| Benzo(g,h,i)perylene | 44.21 | 10 | µg/L | 50 | 0 | 88.4 | 40 | 140 | 0 | | | |
| 4-Bromophenyl phenyl ether | 45.31 | 10 | µg/L | 50 | 0 | 90.6 | 40 | 140 | 0 | | | |
| Butyl benzyl phthalate | 43.37 | 10 | µg/L | 50 | 0 | 86.7 | 40 | 140 | 0 | | | |
| Di-n-butyl phthalate | 44.61 | 10 | µg/L | 50 | 0 | 89.2 | 40 | 140 | 0 | | | |
| 4-Chloroaniline | 39.82 | 10 | µg/L | 50 | 0 | 79.6 | 40 | 140 | 0 | | | |
| Bis(2-chloroethoxy)methane | 37.75 | 10 | µg/L | 50 | 0 | 75.5 | 40 | 140 | 0 | | | |
| Bis(2-chloroethyl)ether | 34.09 | 10 | µg/L | 50 | 0 | 68.2 | 40 | 140 | 0 | | | |
| Bis(2-chloroisopropyl)ether | 36.08 | 10 | µg/L | 50 | 0 | 72.2 | 40 | 140 | 0 | | | |
| 2-Chloronaphthalene | 40.1 | 10 | µg/L | 50 | 0 | 80.2 | 40 | 140 | 0 | | | |
| 2-Chlorophenol | 51.82 | 10 | µg/L | 75 | 0 | 69.1 | 30 | 130 | 0 | | | |
| Chrysene | 44.29 | 10 | µg/L | 50 | 0 | 88.6 | 40 | 140 | 0 | | | |
| Dibenz(a,h)anthracene | 44.04 | 10 | µg/L | 50 | 0 | 88.1 | 40 | 140 | 0 | | | |
| Dibenzofuran | 44.02 | 10 | µg/L | 50 | 0 | 88 | 40 | 140 | 0 | | | |
| 1,2-Dichlorobenzene | 34.2 | 10 | µg/L | 50 | 0 | 68.4 | 40 | 140 | 0 | | | |
| 1,3-Dichlorobenzene | 35.26 | 10 | µg/L | 50 | 0 | 70.5 | 40 | 140 | 0 | | | |

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

AMRO Environmental Laboratories Corp.

**Date:** *14-Aug-07*

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

## Laboratory Control Spike - Full List

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dichlorobenzene | 34.21 | 5.0 | µg/L | 50 | 0 | 68.4 | 40 | 140 | 0 |
| 3,3'-Dichlorobenzidine | 38.12 | 10 | µg/L | 50 | 0 | 76.2 | 40 | 140 | 0 |
| 2,4-Dichlorophenol | 60.65 | 10 | µg/L | 75 | 0 | 80.9 | 30 | 130 | 0 |
| Diethyl phthalate | 45.09 | 10 | µg/L | 50 | 0 | 90.2 | 40 | 140 | 0 |
| Dimethyl phthalate | 44.18 | 10 | µg/L | 50 | 0 | 88.4 | 40 | 140 | 0 |
| 2,4-Dimethylphenol | 55.95 | 10 | µg/L | 75 | 0 | 74.6 | 30 | 130 | 0 |
| 2,4-Dinitrophenol | 58.13 | 20 | µg/L | 75 | 0 | 77.5 | 30 | 130 | 0 |
| 2,4-Dinitrotoluene | 43.58 | 10 | µg/L | 50 | 0 | 87.2 | 40 | 140 | 0 |
| 2,6-Dinitrotoluene | 42.3 | 10 | µg/L | 50 | 0 | 84.6 | 40 | 140 | 0 |
| Bis(2-ethylhexyl)phthalate | 43.12 | 5.0 | µg/L | 50 | 0 | 86.2 | 40 | 140 | 0 |
| Fluoranthene | 46.08 | 10 | µg/L | 50 | 0 | 92.2 | 40 | 140 | 0 |
| Fluorene | 44.64 | 10 | µg/L | 50 | 0 | 89.3 | 40 | 140 | 0 |
| Hexachlorobenzene | 44.03 | 10 | µg/L | 50 | 0 | 88.1 | 40 | 140 | 0 |
| Hexachlorobutadiene | 39.93 | 10 | µg/L | 50 | 0 | 79.9 | 40 | 140 | 0 |
| Hexachloroethane | 34.47 | 5.0 | µg/L | 50 | 0 | 68.9 | 40 | 140 | 0 |
| Indeno(1,2,3-cd)pyrene | 45.05 | 10 | µg/L | 50 | 0 | 90.1 | 40 | 140 | 0 |
| Isophorone | 40.23 | 10 | µg/L | 50 | 0 | 80.5 | 40 | 140 | 0 |
| 2-Methylnaphthalene | 41.69 | 10 | µg/L | 50 | 0 | 83.4 | 40 | 140 | 0 |
| 2-Methylphenol | 47.72 | 10 | µg/L | 75 | 0 | 63.6 | 30 | 130 | 0 |
| 4-Methylphenol | 61.2 | 10 | µg/L | 150 | 0 | 40.8 | 30 | 130 | 0 |
| Naphthalene | 39.29 | 10 | µg/L | 50 | 0 | 78.6 | 40 | 140 | 0 |
| Nitrobenzene | 38.25 | 10 | µg/L | 50 | 0 | 76.5 | 40 | 140 | 0 |
| 2-Nitrophenol | 53.99 | 10 | µg/L | 75 | 0 | 72 | 30 | 130 | 0 |
| 4-Nitrophenol | 30.17 | 20 | µg/L | 75 | 0 | 40.2 | 30 | 130 | 0 |
| Di-n-octyl phthalate | 42.95 | 10 | µg/L | 50 | 0 | 85.9 | 40 | 140 | 0 |
| Pentachlorophenol | 60.6 | 20 | µg/L | 75 | 0 | 80.8 | 30 | 130 | 0 |
| Phenanthrene | 44.64 | 10 | µg/L | 50 | 0 | 89.3 | 40 | 140 | 0 |
| Phenol | 24.35 | 10 | µg/L | 75 | 0 | 32.5 | 30 | 130 | 0 |
| Pyrene | 43.39 | 10 | µg/L | 50 | 0 | 86.8 | 40 | 140 | 0 |
| 1,2,4-Trichlorobenzene | 38.82 | 10 | µg/L | 50 | 0 | 77.6 | 40 | 140 | 0 |
| 2,4,5-Trichlorophenol | 64.7 | 10 | µg/L | 75 | 0 | 86.3 | 30 | 130 | 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.

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

## Laboratory Control Spike - Full List

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2,4,6-Trichlorophenol | 62.27 | 10 | µg/L | 75 | 0 | 83 | 30 | 130 | 0 |
| Surr: 2-Fluorophenol | 34.04 | 1.0 | µg/L | 75 | 0 | 45.4 | 15 | 110 | 0 |
| Surr: Phenol-d5 | 22.72 | 1.0 | µg/L | 75 | 0 | 30.3 | 15 | 110 | 0 |
| Surr: Nitrobenzene-d5 | 36.43 | 1.0 | µg/L | 50 | 0 | 72.9 | 30 | 130 | 0 |
| Surr: 2-Fluorobiphenyl | 41.22 | 1.0 | µg/L | 50 | 0 | 82.4 | 30 | 130 | 0 |
| Surr: 2,4,6-Tribromophenol | 65.38 | 1.0 | µg/L | 75 | 0 | 87.2 | 15 | 110 | 0 |
| Surr: 4-Terphenyl-d14 | 41.43 | 1.0 | µg/L | 50 | 0 | 82.9 | 30 | 130 | 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:** *14-Aug-07*

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

## Laboratory Control Spike Duplicate - Full List

Sample ID **lcsd-17413** Batch ID: **17413** Test Code: **SW8270C** Units: **µg/L** Analysis Date **8/9/07 2:02:00 PM** Prep Date **8/2/07**

Client ID: Run ID: **SV-4_070809A** SeqNo: **627516**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 43.24 | 10 | µg/L | 50 | 0 | 86.5 | 40 | 140 | 43.14 | 0.232 | 20 | |
| Acenaphthylene | 43.39 | 10 | µg/L | 50 | 0 | 86.8 | 40 | 140 | 42.49 | 2.1 | 20 | |
| Acetophenone | 38.39 | 10 | µg/L | 50 | 0 | 76.8 | 40 | 140 | 36.12 | 6.09 | 20 | |
| Aniline | 34.64 | 10 | µg/L | 50 | 0 | 69.3 | 40 | 140 | 32.72 | 5.7 | 20 | |
| Anthracene | 44.89 | 10 | µg/L | 50 | 0 | 89.8 | 40 | 140 | 44.53 | 0.805 | 20 | |
| 1,2-Diphenylhydrazine (as Azobe | 41.05 | 10 | µg/L | 50 | 0 | 82.1 | 40 | 140 | 40.52 | 1.3 | 20 | |
| Benz(a)anthracene | 44.63 | 10 | µg/L | 50 | 0 | 89.3 | 40 | 140 | 45.05 | 0.937 | 20 | |
| Benzo(a)pyrene | 43.61 | 10 | µg/L | 50 | 0 | 87.2 | 40 | 140 | 44.26 | 1.48 | 20 | |
| Benzo(b)fluoranthene | 39.51 | 10 | µg/L | 50 | 0 | 79 | 40 | 140 | 43.64 | 9.93 | 20 | |
| Benzo(k)fluoranthene | 47.77 | 10 | µg/L | 50 | 0 | 95.5 | 40 | 140 | 42.31 | 12.1 | 20 | |
| Benzo(g,h,i)perylene | 45.57 | 10 | µg/L | 50 | 0 | 91.1 | 40 | 140 | 44.21 | 3.03 | 20 | |
| 4-Bromophenyl phenyl ether | 45.4 | 10 | µg/L | 50 | 0 | 90.8 | 40 | 140 | 45.31 | 0.198 | 20 | |
| Butyl benzyl phthalate | 43.51 | 10 | µg/L | 50 | 0 | 87 | 40 | 140 | 43.37 | 0.322 | 20 | |
| Di-n-butyl phthalate | 44.8 | 10 | µg/L | 50 | 0 | 89.6 | 40 | 140 | 44.61 | 0.425 | 20 | |
| 4-Chloroaniline | 40.03 | 10 | µg/L | 50 | 0 | 80.1 | 40 | 140 | 39.82 | 0.526 | 20 | |
| Bis(2-chloroethoxy)methane | 41.12 | 10 | µg/L | 50 | 0 | 82.2 | 40 | 140 | 37.75 | 8.55 | 20 | |
| Bis(2-chloroethyl)ether | 37.11 | 10 | µg/L | 50 | 0 | 74.2 | 40 | 140 | 34.09 | 8.48 | 20 | |
| Bis(2-chloroisopropyl)ether | 39.72 | 10 | µg/L | 50 | 0 | 79.4 | 40 | 140 | 36.08 | 9.6 | 20 | |
| 2-Chloronaphthalene | 42.62 | 10 | µg/L | 50 | 0 | 85.2 | 40 | 140 | 40.1 | 6.09 | 20 | |
| 2-Chlorophenol | 54.53 | 10 | µg/L | 75 | 0 | 72.7 | 40 | 130 | 51.82 | 5.1 | 20 | |
| Chrysene | 43.92 | 10 | µg/L | 50 | 0 | 87.8 | 40 | 140 | 44.29 | 0.839 | 20 | |
| Dibenz(a,h)anthracene | 46.66 | 10 | µg/L | 50 | 0 | 93.3 | 40 | 140 | 44.04 | 5.78 | 20 | |
| Dibenzofuran | 43.84 | 10 | µg/L | 50 | 0 | 87.7 | 40 | 140 | 44.02 | 0.41 | 20 | |
| 1,2-Dichlorobenzene | 37.63 | 10 | µg/L | 50 | 0 | 75.3 | 40 | 140 | 34.2 | 9.55 | 20 | |
| 1,3-Dichlorobenzene | 38.69 | 10 | µg/L | 50 | 0 | 77.4 | 40 | 140 | 35.26 | 9.28 | 20 | |

**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.

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

## Laboratory Control Spike Duplicate - Full List

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dichlorobenzene | 38.84 | 5.0 | µg/L | 50 | 0 | 77.7 | 40 | 140 | 34.21 | 12.7 | 20 |
| 3,3'-Dichlorobenzidine | 37.57 | 10 | µg/L | 50 | 0 | 75.1 | 40 | 140 | 38.12 | 1.45 | 20 |
| 2,4-Dichlorophenol | 63.99 | 10 | µg/L | 75 | 0 | 85.3 | 30 | 130 | 60.65 | 5.36 | 20 |
| Diethyl phthalate | 45.23 | 10 | µg/L | 50 | 0 | 90.5 | 40 | 140 | 45.09 | 0.31 | 20 |
| Dimethyl phthalate | 43.62 | 10 | µg/L | 50 | 0 | 87.2 | 40 | 140 | 44.18 | 1.28 | 20 |
| 2,4-Dimethylphenol | 57.08 | 10 | µg/L | 75 | 0 | 76.1 | 30 | 130 | 55.95 | 2 | 20 |
| 2,4-Dinitrophenol | 64.35 | 20 | µg/L | 75 | 0 | 85.8 | 30 | 130 | 58.13 | 10.2 | 20 |
| 2,4-Dinitrotoluene | 44.41 | 10 | µg/L | 50 | 0 | 88.8 | 40 | 140 | 43.58 | 1.89 | 20 |
| 2,6-Dinitrotoluene | 44.97 | 10 | µg/L | 50 | 0 | 89.9 | 40 | 140 | 42.3 | 6.12 | 20 |
| Bis(2-ethylhexyl)phthalate | 42.49 | 5.0 | µg/L | 50 | 0 | 85 | 40 | 140 | 43.12 | 1.47 | 20 |
| Fluoranthene | 46.41 | 10 | µg/L | 50 | 0 | 92.8 | 40 | 140 | 46.08 | 0.714 | 20 |
| Fluorene | 44.46 | 10 | µg/L | 50 | 0 | 88.9 | 40 | 140 | 44.64 | 0.404 | 20 |
| Hexachlorobenzene | 44.45 | 10 | µg/L | 50 | 0 | 88.9 | 40 | 140 | 44.03 | 0.949 | 20 |
| Hexachlorobutadiene | 42.99 | 10 | µg/L | 50 | 0 | 86 | 40 | 140 | 39.93 | 7.38 | 20 |
| Hexachloroethane | 38.91 | 5.0 | µg/L | 50 | 0 | 77.8 | 40 | 140 | 34.47 | 12.1 | 20 |
| Indeno(1,2,3-cd)pyrene | 45.49 | 10 | µg/L | 50 | 0 | 91 | 40 | 140 | 45.05 | 0.972 | 20 |
| Isophorone | 42.52 | 10 | µg/L | 50 | 0 | 85 | 40 | 140 | 40.23 | 5.53 | 20 |
| 2-Methylnaphthalene | 44.25 | 10 | µg/L | 50 | 0 | 88.5 | 40 | 140 | 41.69 | 5.96 | 20 |
| 2-Methylphenol | 49.7 | 10 | µg/L | 75 | 0 | 66.3 | 30 | 130 | 47.72 | 4.06 | 20 |
| 4-Methylphenol | 62.44 | 10 | µg/L | 150 | 0 | 41.6 | 30 | 130 | 61.2 | 2.01 | 20 |
| Naphthalene | 42.3 | 10 | µg/L | 50 | 0 | 84.6 | 40 | 140 | 39.29 | 7.38 | 20 |
| Nitrobenzene | 42.08 | 10 | µg/L | 50 | 0 | 84.2 | 40 | 140 | 38.25 | 9.54 | 20 |
| 2-Nitrophenol | 59.1 | 10 | µg/L | 75 | 0 | 78.8 | 30 | 130 | 53.99 | 9.04 | 20 |
| 4-Nitrophenol | 27.23 | 20 | µg/L | 75 | 0 | 36.3 | 30 | 130 | 30.17 | 10.2 | 20 |
| Di-n-octyl phthalate | 42.63 | 10 | µg/L | 50 | 0 | 85.3 | 40 | 140 | 42.95 | 0.748 | 20 |
| Pentachlorophenol | 62.82 | 20 | µg/L | 75 | 0 | 83.8 | 30 | 130 | 60.6 | 3.6 | 20 |
| Phenanthrene | 44.28 | 10 | µg/L | 50 | 0 | 88.6 | 40 | 140 | 44.64 | 0.81 | 20 |
| Phenol | 25.14 | 10 | µg/L | 75 | 0 | 33.5 | 30 | 130 | 24.35 | 3.19 | 20 |
| Pyrene | 42.64 | 10 | µg/L | 50 | 0 | 85.3 | 40 | 140 | 43.39 | 1.74 | 20 |
| 1,2,4-Trichlorobenzene | 42.26 | 10 | µg/L | 50 | 0 | 84.5 | 40 | 140 | 38.82 | 8.49 | 20 |
| 2,4,5-Trichlorophenol | 65.93 | 10 | µg/L | 75 | 0 | 87.9 | 30 | 130 | 64.7 | 1.88 | 20 |

**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.

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

## Laboratory Control Spike Duplicate - Full List

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2,4,6-Trichlorophenol | 65.34 | 10 | µg/L | 75 | 0 | 87.1 | 30 | 130 | 62.27 | 4.81 | 20 |
| Surr: 2-Fluorophenol | 36.85 | 1.0 | µg/L | 75 | 0 | 49.1 | 15 | 110 | 0 | 0 | 0 |
| Surr: Phenol-d5 | 23.08 | 1.0 | µg/L | 75 | 0 | 30.8 | 15 | 110 | 0 | 0 | 0 |
| Surr: Nitrobenzene-d5 | 40.66 | 1.0 | µg/L | 50 | 0 | 81.3 | 30 | 130 | 0 | 0 | 0 |
| Surr: 2-Fluorobiphenyl | 42.73 | 1.0 | µg/L | 50 | 0 | 85.5 | 30 | 130 | 0 | 0 | 0 |
| Surr: 2,4,6-Tribromophenol | 65.77 | 1.0 | µg/L | 75 | 0 | 87.7 | 15 | 110 | 0 | 0 | 0 |
| Surr: 4-Terphenyl-d14 | 39.53 | 1.0 | µg/L | 50 | 0 | 79.1 | 30 | 130 | 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:** *14-Aug-07*

| | | | |
|---|---|---|---|
| **CLIENT:** | GEI Consultants, Inc. | **Client Sample ID:** | 002914-B101D (MW) |
| **Lab Order:** | 0707156 | **Collection Date:** | 7/26/07 4:40:00 PM |
| **Project:** | 00219-4 Canton Airport | **Matrix:** | GROUNDWATER |
| **Lab ID:** | 0707156-01B | | |

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **POLYCHLORINATED BIPHENYLS BY MCP METH SW8082** | | | | | | Analyst: **FQ** |
| Aroclor 1262 | ND | 0.20 | | µg/L | 1 | 8/6/07 4:17:00 PM |
| Aroclor 1268 | ND | 0.20 | | µg/L | 1 | 8/6/07 4:17:00 PM |
| Aroclor 1016 | ND | 0.20 | | µg/L | 1 | 8/6/07 4:17:00 PM |
| Aroclor 1221 | ND | 0.20 | | µg/L | 1 | 8/6/07 4:17:00 PM |
| Aroclor 1232 | ND | 0.20 | | µg/L | 1 | 8/6/07 4:17:00 PM |
| Aroclor 1242 | ND | 0.20 | | µg/L | 1 | 8/6/07 4:17:00 PM |
| Aroclor 1248 | ND | 0.20 | | µg/L | 1 | 8/6/07 4:17:00 PM |
| Aroclor 1254 | ND | 0.20 | | µg/L | 1 | 8/6/07 4:17:00 PM |
| Aroclor 1260 | ND | 0.20 | | µg/L | 1 | 8/6/07 4:17:00 PM |
| Surr: Decachlorobiphenyl | 76.6 | 30-119 | | %REC | 1 | 8/6/07 4:17:00 PM |
| Surr: Tetrachloro-m-xylene | 84.0 | 34-113 | | %REC | 1 | 8/6/07 4:17:00 PM |

AMRO Environmental Laboratories Corp.

**Date:** *07-Sep-07*

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

Method Blank

Sample ID **MB-17407** Batch ID: **17407** Test Code: **SW8082** Units: **µg/L** Analysis Date **8/6/07 2:58:00 PM** Prep Date **8/2/07**

Client ID: Run ID: **GC-ELVIS_070806A** SeqNo: **627166**

| 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 | 0.06556 | 0 | µg/L | 0.06531 | 0 | 100 | 30 | 119 | 0 | | | |
| Surr: Tetrachloro-m-xylene | 0.06058 | 0 | µg/L | 0.06531 | 0 | 92.8 | 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:** *07-Sep-07*

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

## Laboratory Control Spike

Sample ID **LCS-17407** Batch ID: **17407** Test Code: **SW8082** Units: **µg/L** Analysis Date **8/6/07 3:24:00 PM** Prep Date **8/2/07**
Client ID: Run ID: **GC-ELVIS_070806A** SeqNo: **627167**

| 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 | 3.364 | 0.20 | µg/L | 4 | 0 | 84.1 | 51 | 125 | 0 | | | |
| Aroclor 1260 | 3.712 | 0.20 | µg/L | 4 | 0 | 92.8 | 50 | 133 | 0 | | | |
| Surr: Decachlorobiphenyl | 0.06165 | 0 | µg/L | 0.064 | 0 | 96.3 | 30 | 119 | 0 | | | |
| Surr: Tetrachloro-m-xylene | 0.05263 | 0 | µg/L | 0.064 | 0 | 82.2 | 34 | 113 | 0 | | | |

Sample ID **LCSD-17407** Batch ID: **17407** Test Code: **SW8082** Units: **µg/L** Analysis Date **8/6/07 3:51:00 PM** Prep Date **8/2/07**
Client ID: Run ID: **GC-ELVIS_070806A** SeqNo: **627168**

| 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 | 3.389 | 0.20 | µg/L | 4 | 0 | 84.7 | 51 | 125 | 3.364 | 0.743 | 50 | |
| Aroclor 1260 | 3.756 | 0.20 | µg/L | 4 | 0 | 93.9 | 50 | 133 | 3.712 | 1.18 | 50 | |
| Surr: Decachlorobiphenyl | 0.06535 | 0 | µg/L | 0.064 | 0 | 102 | 30 | 119 | 0 | 0 | 0 | |
| Surr: Tetrachloro-m-xylene | 0.0558 | 0 | µg/L | 0.064 | 0 | 87.2 | 34 | 113 | 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:** *14-Aug-07*

| | | | |
|---|---|---|---|
| **CLIENT:** | GEI Consultants, Inc. | **Client Sample ID:** | 002914-B101D (MW) |
| **Lab Order:** | 0707156 | **Collection Date:** | 7/26/07 4:40:00 PM |
| **Project:** | 00219-4 Canton Airport | **Matrix:** | GROUNDWATER |
| **Lab ID:** | 0707156-01D | | |

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **MADEP EPH REVISION 1.1** | | **MAEPH** | | | | Analyst: **KT** |
| C9-C18 Aliphatic Hydrocarbons | ND | 100 | | µg/L | 1 | 8/4/07 10:44:00 AM |
| C19-C36 Aliphatic Hydrocarbons | ND | 100 | | µg/L | 1 | 8/4/07 10:44:00 AM |
| C11-C22 Aromatic Hydrocarbons | ND | 100 | | µg/L | 1 | 8/4/07 10:44:00 AM |
| Surr: 1-Chlorooctadecane | 53.6 | 40-140 | | %REC | 1 | 8/4/07 10:44:00 AM |
| Surr: o-Terphenyl | 83.4 | 40-140 | | %REC | 1 | 8/4/07 10:44:00 AM |

AMRO Environmental Laboratories Corp.

**Date:** *07-Sep-07*

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

Method Blank

Sample ID **mb-17412** Batch ID: **17412** Test Code: **MAEPH** Units: **µg/L** Analysis Date **8/9/07 1:16:00 AM** Prep Date **8/2/07**
Client ID: Run ID: **SV-3_070808A** SeqNo: **627058**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C9-C18 Aliphatic Hydrocarbons | ND | 150 | µg/L | | | | | | | | | |
| C19-C36 Aliphatic Hydrocarbons | ND | 150 | µg/L | | | | | | | | | |
| Surr: 1-Chlorooctadecane | 21.61 | 1.5 | µg/L | 40 | 0 | 54 | 40 | 140 | 0 | | | |

Sample ID **mb-17412** Batch ID: **17412** Test Code: **MAEPH** Units: **µg/L** Analysis Date **8/9/07 1:50:00 AM** Prep Date **8/2/07**
Client ID: Run ID: **SV-3_070808A** SeqNo: **627059**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C11-C22 Aromatic Hydrocarbons | ND | 150 | µg/L | | | | | | | | | |
| Surr: o-Terphenyl | 29.55 | 1.5 | µg/L | 40 | 0 | 73.9 | 40 | 140 | 0 | | | |

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

AMRO Environmental Laboratories Corp.

**Date:** *07-Sep-07*

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

Laboratory Control Spike

Sample ID **lcs-17412** Batch ID: **17412** Test Code: **MAEPH** Units: **µg/L** Analysis Date **8/9/07 2:24:00 AM** Prep Date **8/2/07**
Client ID: Run ID: **SV-3_070808A** SeqNo: **627060**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| n-Decane | 29.66 | 2.4 | µg/L | 50 | 0 | 59.3 | 40 | 140 | 0 | | | |
| n-Docosane | 46.49 | 2.4 | µg/L | 50 | 0 | 93 | 40 | 140 | 0 | | | |
| n-Dodecane | 37.09 | 2.4 | µg/L | 50 | 0 | 74.2 | 40 | 140 | 0 | | | |
| n-Eicosane | 46.94 | 2.4 | µg/L | 50 | 0 | 93.9 | 40 | 140 | 0 | | | |
| n-Hexacosane | 48.59 | 2.4 | µg/L | 50 | 0 | 97.2 | 40 | 140 | 0 | | | |
| n-Hexadecane | 45.85 | 2.4 | µg/L | 50 | 0 | 91.7 | 40 | 140 | 0 | | | |
| n-Hexatriacontane | 39.48 | 2.4 | µg/L | 50 | 0 | 79 | 40 | 140 | 0 | | | |
| n-Nonadecane | 45.65 | 2.4 | µg/L | 50 | 0 | 91.3 | 40 | 140 | 0 | | | |
| n-Nonane | 26.59 | 2.4 | µg/L | 50 | 0 | 53.2 | 30 | 140 | 0 | | | |
| n-Octacosane | 48.11 | 2.4 | µg/L | 50 | 0 | 96.2 | 40 | 140 | 0 | | | |
| n-Octadecane | 45.81 | 2.4 | µg/L | 50 | 0 | 91.6 | 40 | 140 | 0 | | | |
| n-Tetracosane | 48.91 | 2.4 | µg/L | 50 | 0 | 97.8 | 40 | 140 | 0 | | | |
| n-Tetradecane | 43.43 | 2.4 | µg/L | 50 | 0 | 86.9 | 40 | 140 | 0 | | | |
| n-Triacontane | 47.81 | 2.4 | µg/L | 50 | 0 | 95.6 | 40 | 140 | 0 | | | |
| Surr: 1-Chlorooctadecane | 25.5 | 1.2 | µg/L | 40 | 0 | 63.8 | 40 | 140 | 0 | | | |

Sample ID **lcs-17412** Batch ID: **17412** Test Code: **MAEPH** Units: **µg/L** Analysis Date **8/9/07 2:59:00 AM** Prep Date **8/2/07**
Client ID: Run ID: **SV-3_070808A** SeqNo: **627061**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Surr: o-Terphenyl | 31.89 | 1.2 | µg/L | 40 | 0 | 79.7 | 40 | 140 | 0 | | | |

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

AMRO Environmental Laboratories Corp.

**Date:** *07-Sep-07*

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Sample ID **lcsd-17412** Batch ID: **17412** Test Code: **MAEPH** Units: **µg/L** Analysis Date **8/9/07 3:33:00 AM** Prep Date **8/2/07**
Client ID: Run ID: **SV-3_070808A** SeqNo: **627062**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| n-Decane | 28.27 | 2.1 | µg/L | 50 | 0 | 56.5 | 40 | 140 | 29.66 | 4.79 | 25 | |
| n-Docosane | 45.03 | 2.1 | µg/L | 50 | 0 | 90.1 | 40 | 140 | 46.49 | 3.2 | 25 | |
| n-Dodecane | 35.88 | 2.1 | µg/L | 50 | 0 | 71.8 | 40 | 140 | 37.09 | 3.32 | 25 | |
| n-Eicosane | 46.25 | 2.1 | µg/L | 50 | 0 | 92.5 | 40 | 140 | 46.94 | 1.49 | 25 | |
| n-Hexacosane | 46.15 | 2.1 | µg/L | 50 | 0 | 92.3 | 40 | 140 | 48.59 | 5.14 | 25 | |
| n-Hexadecane | 44.93 | 2.1 | µg/L | 50 | 0 | 89.9 | 40 | 140 | 45.85 | 2.01 | 25 | |
| n-Hexatriacontane | 38.81 | 2.1 | µg/L | 50 | 0 | 77.6 | 40 | 140 | 39.48 | 1.73 | 25 | |
| n-Nonadecane | 46.77 | 2.1 | µg/L | 50 | 0 | 93.5 | 40 | 140 | 45.65 | 2.41 | 25 | |
| n-Nonane | 24.89 | 2.1 | µg/L | 50 | 0 | 49.8 | 30 | 140 | 26.59 | 6.6 | 25 | |
| n-Octacosane | 46.09 | 2.1 | µg/L | 50 | 0 | 92.2 | 40 | 140 | 48.11 | 4.3 | 25 | |
| n-Octadecane | 45.62 | 2.1 | µg/L | 50 | 0 | 91.2 | 40 | 140 | 45.81 | 0.41 | 25 | |
| n-Tetracosane | 46.93 | 2.1 | µg/L | 50 | 0 | 93.9 | 40 | 140 | 48.91 | 4.13 | 25 | |
| n-Tetradecane | 43.01 | 2.1 | µg/L | 50 | 0 | 86 | 40 | 140 | 43.43 | 0.967 | 25 | |
| n-Triacontane | 44.94 | 2.1 | µg/L | 50 | 0 | 89.9 | 40 | 140 | 47.81 | 6.18 | 25 | |
| Surr: 1-Chlorooctadecane | 24.97 | 1.1 | µg/L | 40 | 0 | 62.4 | 40 | 140 | 0 | 0 | 25 | |

Sample ID **lcsd-17412** Batch ID: **17412** Test Code: **MAEPH** Units: **µg/L** Analysis Date **8/9/07 4:07:00 AM** Prep Date **8/2/07**
Client ID: Run ID: **SV-3_070808A** SeqNo: **627063**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Surr: o-Terphenyl | 31.05 | 1.1 | µg/L | 40 | 0 | 77.6 | 40 | 140 | 0 | 0 | 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

## SEMIVOLATILE CONTINUING CALIBRATION SUMMARY

1-7

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

**Aliphatic** **Initial Calibration File:** C:\HPCHEM\1\DATA\080407\3B24799.D
**Terminal Calibration File:** C:\HPCHEM\1\DATA\080407\3B24817.D
**Aromatic** **Initial Calibration File:** C:\HPCHEM\1\DATA\080407\3B24800.D
**Terminal Calibration File:** C:\HPCHEM\1\DATA\080407\3B24818.D

| ANALYTE | INITIAL CALIB | | | TERMINAL CALIB | | |
|---|---|---|---|---|---|---|
| | EXPECTED | ACTUAL | %DRIFT | EXPECTED | ACTUAL | %DRIFT |
| C9-C18 Aliphatic Hydrocarbons | 300 | 286.686 | -4.44% | 300 | 307.519 | 2.51% |
| C19-C36 Aliphatic Hydrocarbons | 400 | 397.957 | -0.51% | 400 | 483.66 | 20.92% |
| n-Nonane ♦ | 50 | 49.308 | -1.38% | 50 | 45.7136 | -8.57% |
| n-Decane | 50 | 51.3239 | 2.65% | 50 | 49.2125 | -1.58% |
| n-Dodecane | 50 | 52.3006 | 4.60% | 50 | 49.162 | -1.68% |
| n-Tetradecane | 50 | 52.9177 | 5.84% | 50 | 52.1728 | 4.35% |
| n-Hexadecane | 50 | 53.7759 | 7.55% | 50 | 51.3129 | 2.63% |
| n-Octadecane | 50 | 54.1135 | 8.23% | 50 | 51.6113 | 3.22% |
| n-Nonadecane | 50 | 52.7042 | 5.41% | 50 | 51.7206 | 3.44% |
| n-Eicosane | 50 | 52.0651 | 4.13% | 50 | 52.723 | 5.45% |
| 1-Chlorooctadecane | 50 | 53.232 | 6.46% | 50 | 53.1791 | 6.36% |
| n-Docosane | 50 | 54.0922 | 8.18% | 50 | 54.7412 | 9.48% |
| n-Tetracosane | 50 | 54.012 | 8.02% | 50 | 56.4376 | 12.88% |
| n-Hexacosane | 50 | 52.6416 | 5.28% | 50 | 56.3962 | 12.79% |
| n-Octacosane | 50 | 54.6065 | 9.21% | 50 | 57.3629 | 14.73% |
| n-Triacontane | 50 | 55.7993 | 11.60% | 50 | 61.0016 | 22.00% |
| n-Hexatriacontane | 50 | 57.2917 | 14.58% | 50 | 66.019 | 32.04% * |
| C11-C22 Aromatic Hydrocarbons | 850 | 888.664 | 4.55% | 850 | 938.348 | 10.39% |
| Naphthalene | 50 | 53.4324 | 6.86% | 50 | 48.2834 | -3.43% |
| 2-Methylnaphthalene | 50 | 52.1801 | 4.36% | 50 | 48.6036 | -2.79% |
| 2-Fluorobiphenyl | 50 | 52.79 | 5.58% | 50 | 48.5355 | -2.93% |
| Acenaphthylene | 50 | 51.3119 | 2.62% | 50 | 48.5725 | -2.86% |
| 2-Bromonaphthalene | 50 | 53.719 | 7.44% | 50 | 50.9106 | 1.82% |
| Acenaphthene | 50 | 52.7139 | 5.43% | 50 | 49.3145 | -1.37% |
| Fluorene | 50 | 52.2502 | 4.50% | 50 | 50.1114 | 0.22% |
| Phenanthrene | 50 | 51.4645 | 2.93% | 50 | 50.1316 | 0.26% |
| Anthracene | 50 | 50.2394 | 0.48% | 50 | 48.4262 | -3.15% |
| o-Terphenyl | 50 | 51.4093 | 2.82% | 50 | 48.5898 | -2.82% |
| Fluoranthene | 50 | 52.2863 | 4.57% | 50 | 50.2894 | 0.58% |
| Pyrene | 50 | 50.5548 | 1.11% | 50 | 51.1559 | 2.31% |
| Benz(a)anthracene | 50 | 51.4521 | 2.90% | 50 | 51.7107 | 3.42% |
| Chrysene | 50 | 49.6648 | -0.67% | 50 | 48.7525 | -2.50% |
| Benzo(b)fluoranthene | 50 | 49.695 | -0.61% | 50 | 51.948 | 3.90% |
| Benzo(k)fluoranthene | 50 | 50.7712 | 1.54% | 50 | 44.5814 | -10.84% |
| Benzo(a)pyrene | 50 | 50.2731 | 0.55% | 50 | 47.7787 | -4.44% |
| Dibenz(a,h)anthracene | 50 | 50.5705 | 1.14% | 50 | 46.7766 | -6.45% |
| Indeno(1,2,3-cd)pyrene | 50 | 50.7836 | 1.57% | 50 | 45.8741 | -8.25% |
| Benzo(g,h,i)perylene | 50 | 49.7554 | -0.49% | 50 | 44.5666 | -10.87% |

Number out ( Initial CCV) : 0
Number out ( Terminal CCV) : 1

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

# AMRO Environmental Laboratories Corp.

**Date:** *14-Aug-07*

| | | | |
|---|---|---|---|
| **CLIENT:** | GEI Consultants, Inc. | **Client Sample ID:** | 002914-B101D (MW) |
| **Lab Order:** | 0707156 | **Collection Date:** | 7/26/07 4:40:00 PM |
| **Project:** | 00219-4 Canton Airport | **Matrix:** | GROUNDWATER |
| **Lab ID:** | 0707156-01E | | |

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **ICP METALS DISSOLVED SW-846** | | **SW6010B** | | | | Analyst: **AL** |
| Barium | ND | 200 | | µg/L | 1 | 8/5/07 6:28:16 PM |
| Beryllium | ND | 4.00 | | µg/L | 1 | 8/5/07 6:28:16 PM |
| Cadmium | ND | 5.00 | | µg/L | 1 | 8/5/07 6:28:16 PM |
| Chromium | ND | 10.0 | | µg/L | 1 | 8/5/07 6:28:16 PM |
| Nickel | ND | 40.0 | | µg/L | 1 | 8/5/07 6:28:16 PM |
| Silver | ND | 7.00 | | µg/L | 1 | 8/5/07 6:28:16 PM |
| Vanadium | ND | 50.0 | | µg/L | 1 | 8/5/07 6:28:16 PM |
| Zinc | ND | 20.0 | | µg/L | 1 | 8/5/07 6:28:16 PM |
| **ARSENIC, DISSOLVED** | | **SW7060A** | | | | Analyst: **REB** |
| Arsenic | 6.0 | 5.0 | | µg/L | 1 | 8/3/07 12:13:46 PM |
| **MERCURY, DISSOLVED** | | **SW7470A** | | | | Analyst: **AL** |
| Mercury | ND | 0.200 | | µg/L | 1 | 8/8/07 5:34:10 PM |
| **LEAD, DISSOLVED** | | **SW7421** | | | | Analyst: **REB** |
| Lead | ND | 5.0 | | µg/L | 1 | 8/3/07 12:13:46 PM |
| **ANTIMONY, DISSOLVED** | | **SW7041** | | | | Analyst: **REB** |
| Antimony | ND | 6.0 | | µg/L | 1 | 8/6/07 12:09:19 PM |
| **SELENIUM, DISSOLVED** | | **SW7740** | | | | Analyst: **REB** |
| Selenium | ND | 5.0 | | µg/L | 1 | 8/3/07 12:13:46 PM |
| **THALLIUM, DISSOLVED** | | **SW7841** | | | | Analyst: **REB** |
| Thallium | ND | 2.0 | | µg/L | 1 | 8/3/07 5:30:29 PM |

# AMRO Environmental Laboratories Corp.

**Date:** *14-Aug-07*

| | | | |
|---|---|---|---|
| **CLIENT:** | GEI Consultants, Inc. | **Client Sample ID:** | 002914-B101D (MW) |
| **Lab Order:** | 0707156 | **Collection Date:** | 7/26/07 4:40:00 PM |
| **Project:** | 00219-4 Canton Airport | **Matrix:** | GROUNDWATER |
| **Lab ID:** | 0707156-01F | | |

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **ICP METALS TOTAL SW-846** | | **SW6010B** | | | | Analyst: **AL** |
| Barium | ND | 200 | | µg/L | 1 | 8/5/07 6:56:57 PM |
| Beryllium | ND | 4.00 | | µg/L | 1 | 8/5/07 6:56:57 PM |
| Cadmium | ND | 5.00 | | µg/L | 1 | 8/5/07 6:56:57 PM |
| Chromium | ND | 10.0 | | µg/L | 1 | 8/5/07 6:56:57 PM |
| Nickel | ND | 40.0 | | µg/L | 1 | 8/5/07 6:56:57 PM |
| Silver | ND | 7.00 | | µg/L | 1 | 8/5/07 6:56:57 PM |
| Vanadium | ND | 50.0 | | µg/L | 1 | 8/5/07 6:56:57 PM |
| Zinc | ND | 20.0 | | µg/L | 1 | 8/5/07 6:56:57 PM |
| **ARSENIC, TOTAL** | | **SW7060A** | | | | Analyst: **REB** |
| Arsenic | 5.51 | 5.00 | | µg/L | 1 | 8/3/07 1:07:22 PM |
| **MERCURY, TOTAL** | | **SW7470A** | | | | Analyst: **AL** |
| Mercury | ND | 0.200 | | µg/L | 1 | 8/8/07 5:13:57 PM |
| **LEAD, TOTAL** | | **SW7421** | | | | Analyst: **REB** |
| Lead | ND | 5.0 | | µg/L | 1 | 8/3/07 1:07:22 PM |
| **ANTIMONY, TOTAL** | | **SW7041** | | | | Analyst: **REB** |
| Antimony | ND | 6.0 | | µg/L | 1 | 8/6/07 1:06:48 PM |
| **SELENIUM, TOTAL** | | **SW7740** | | | | Analyst: **REB** |
| Selenium | ND | 5.0 | | µg/L | 1 | 8/3/07 1:07:22 PM |
| **THALLIUM, TOTAL** | | **SW7841** | | | | Analyst: **REB** |
| Thallium | ND | 2.0 | | µg/L | 1 | 8/3/07 6:07:05 PM |

AMRO Environmental Laboratories Corp.

**Date:** *07-Sep-07*

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

Method Blank

Sample ID **MB-17408** Batch ID: **17408** Test Code: **SW6010B** Units: **µg/L** Analysis Date **8/5/07 6:00:23 PM** Prep Date **8/2/07**
Client ID: Run ID: **ICP-OPTIMA_070805A** SeqNo: **626184**

| 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 | | | | | | | | | |
| Cadmium | ND | 5.0 | µg/L | | | | | | | | | |
| Chromium | ND | 5.0 | µg/L | | | | | | | | | |
| Nickel | ND | 40 | µg/L | | | | | | | | | |
| Silver | ND | 7.0 | µg/L | | | | | | | | | |
| Vanadium | ND | 50 | µg/L | | | | | | | | | |
| Zinc | ND | 20 | µg/L | | | | | | | | | |

Sample ID **MB-17408** Batch ID: **17408** Test Code: **SW7060A** Units: **µg/L** Analysis Date **8/3/07 11:53:22 AM** Prep Date **8/2/07**
Client ID: Run ID: **GFAA-6000_070803A** SeqNo: **625978**

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

Sample ID **mb-17432** Batch ID: **17432** Test Code: **SW7470A** Units: **µg/L** Analysis Date **8/8/07 4:53:36 PM** Prep Date **8/8/07**
Client ID: Run ID: **HG-FIMS_070808B** SeqNo: **627112**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.2683 | 0.20 | 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:** *07-Sep-07*

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

Method Blank

Sample ID **MB-17408** Batch ID: **17408** Test Code: **SW7421** Units: **µg/L** Analysis Date **8/3/07 11:53:22 AM** Prep Date **8/2/07**
Client ID: Run ID: **GFAA-6000_070803B** SeqNo: **626013**

| 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 | | | | | | | | | |

Sample ID **MB-17408** Batch ID: **17408** Test Code: **SW7041** Units: **µg/L** Analysis Date **8/6/07 11:44:21 AM** Prep Date **8/2/07**
Client ID: Run ID: **GFAA-6000_070806A** SeqNo: **626369**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | ND | 6.0 | µg/L | | | | | | | | | |

Sample ID **MB-17408** Batch ID: **17408** Test Code: **SW7740** Units: **µg/L** Analysis Date **8/3/07 11:53:22 AM** Prep Date **8/2/07**
Client ID: Run ID: **GFAA-6000_070803C** SeqNo: **626048**

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

Sample ID **MB-17408** Batch ID: **17408** Test Code: **SW7841** Units: **µg/L** Analysis Date **8/3/07 5:08:57 PM** Prep Date **8/2/07**
Client ID: Run ID: **GFAA-6000_070803D** SeqNo: **626083**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thallium | ND | 2.0 | 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:** *07-Sep-07*

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

Laboratory Control Spike

Sample ID **LCS-17408** Batch ID: **17408** Test Code: **SW6010B** Units: **µg/L** Analysis Date **8/5/07 6:05:08 PM** Prep Date **8/2/07**
Client ID: Run ID: **ICP-OPTIMA_070805A** SeqNo: **626185**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Barium | 4133 | 200 | µg/L | 4028 | 0 | 103 | 80 | 120 | 0 | | | |
| Beryllium | 788.7 | 4.0 | µg/L | 797 | 0 | 99 | 80 | 120 | 0 | | | |
| Cadmium | 820.1 | 5.0 | µg/L | 800 | 0 | 103 | 80 | 120 | 0 | | | |
| Chromium | 4092 | 5.0 | µg/L | 3976 | 0 | 103 | 80 | 120 | 0 | | | |
| Nickel | 4188 | 40 | µg/L | 3984 | 0 | 105 | 80 | 120 | 0 | | | |
| Silver | 405.7 | 7.0 | µg/L | 400 | 0 | 101 | 80 | 120 | 0 | | | |
| Vanadium | 4103 | 50 | µg/L | 4000 | 0 | 103 | 80 | 120 | 0 | | | |
| Zinc | 4020 | 20 | µg/L | 3944 | 0 | 102 | 80 | 120 | 0 | | | |

Sample ID **LCSD-17408** Batch ID: **17408** Test Code: **SW6010B** Units: **µg/L** Analysis Date **8/5/07 6:22:07 PM** Prep Date **8/2/07**
Client ID: Run ID: **ICP-OPTIMA_070805A** SeqNo: **626188**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Barium | 4145 | 200 | µg/L | 4028 | 0 | 103 | 80 | 120 | 4133 | 0.292 | 0 | |
| Beryllium | 796.9 | 4.0 | µg/L | 797 | 0 | 100 | 80 | 120 | 788.7 | 1.04 | 0 | |
| Cadmium | 827.4 | 5.0 | µg/L | 800 | 0 | 103 | 80 | 120 | 820.1 | 0.887 | 0 | |
| Chromium | 4118 | 5.0 | µg/L | 3976 | 0 | 104 | 80 | 120 | 4092 | 0.638 | 0 | |
| Nickel | 4223 | 40 | µg/L | 3984 | 0 | 106 | 80 | 120 | 4188 | 0.845 | 0 | |
| Silver | 411.4 | 7.0 | µg/L | 400 | 0 | 103 | 80 | 120 | 405.7 | 1.39 | 0 | |
| Vanadium | 4108 | 50 | µg/L | 4000 | 0 | 103 | 80 | 120 | 4103 | 0.117 | 0 | |
| Zinc | 4075 | 20 | µg/L | 3944 | 0 | 103 | 80 | 120 | 4020 | 1.36 | 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:** *07-Sep-07*

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

Laboratory Control Spike

Sample ID **LCS-17408** Batch ID: **17408** Test Code: **SW7060A** Units: **µg/L** Analysis Date **8/3/07 12:00:07 PM** Prep Date **8/2/07**
Client ID: Run ID: **GFAA-6000_070803A** SeqNo: **625979**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 24.09 | 5.0 | µg/L | 25 | 0 | 96.3 | 80 | 120 | 0 | | | |

Sample ID **LCSD-17408** Batch ID: **17408** Test Code: **SW7060A** Units: **µg/L** Analysis Date **8/3/07 12:06:56 PM** Prep Date **8/2/07**
Client ID: Run ID: **GFAA-6000_070803A** SeqNo: **625980**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 25.53 | 5.0 | µg/L | 25 | 0 | 102 | 80 | 120 | 24.09 | 5.84 | 20 | |

Sample ID **lcs-17432** Batch ID: **17432** Test Code: **SW7470A** Units: **µg/L** Analysis Date **8/8/07 4:57:46 PM** Prep Date **8/8/07**
Client ID: Run ID: **HG-FIMS_070808B** SeqNo: **627113**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 4.228 | 0.20 | µg/L | 4 | 0 | 106 | 80 | 120 | 0 | | | B |

Sample ID **lcsd-17432** Batch ID: **17432** Test Code: **SW7470A** Units: **µg/L** Analysis Date **8/8/07 5:01:47 PM** Prep Date **8/8/07**
Client ID: Run ID: **HG-FIMS_070808B** SeqNo: **627114**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 4.182 | 0.20 | µg/L | 4 | 0 | 105 | 80 | 120 | 4.228 | 1.1 | 20 | B |

**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:** *07-Sep-07*

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

Laboratory Control Spike

Sample ID **LCS-17408** Batch ID: **17408** Test Code: **SW7421** Units: **µg/L** Analysis Date **8/3/07 12:00:07 PM** Prep Date **8/2/07**
Client ID: Run ID: **GFAA-6000_070803B** SeqNo: **626014**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 26.17 | 5.0 | µg/L | 25 | 0 | 105 | 80 | 120 | 0 | | | |

Sample ID **LCSD-17408** Batch ID: **17408** Test Code: **SW7421** Units: **µg/L** Analysis Date **8/3/07 12:06:56 PM** Prep Date **8/2/07**
Client ID: Run ID: **GFAA-6000_070803B** SeqNo: **626015**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 26.57 | 5.0 | µg/L | 25 | 0 | 106 | 80 | 120 | 26.17 | 1.52 | 20 | |

Sample ID **LCS-17408** Batch ID: **17408** Test Code: **SW7041** Units: **µg/L** Analysis Date **8/6/07 11:52:48 AM** Prep Date **8/2/07**
Client ID: Run ID: **GFAA-6000_070806A** SeqNo: **626370**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 26.47 | 6.0 | µg/L | 25 | 0 | 106 | 80 | 120 | 0 | | | |

Sample ID **LCSD-17408** Batch ID: **17408** Test Code: **SW7041** Units: **µg/L** Analysis Date **8/6/07 12:01:04 PM** Prep Date **8/2/07**
Client ID: Run ID: **GFAA-6000_070806A** SeqNo: **626371**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 25.57 | 6.0 | µg/L | 25 | 0 | 102 | 80 | 120 | 26.47 | 3.43 | 20 | |

**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:** *07-Sep-07*

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

Laboratory Control Spike

Sample ID **LCS-17408** Batch ID: **17408** Test Code: **SW7740** Units: **µg/L** Analysis Date **8/3/07 12:00:07 PM** Prep Date **8/2/07**
Client ID: Run ID: **GFAA-6000_070803C** SeqNo: **626049**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Selenium | 22.8 | 5.0 | µg/L | 25 | 0 | 91.2 | 80 | 120 | 0 | | | |

Sample ID **LCSD-17408** Batch ID: **17408** Test Code: **SW7740** Units: **µg/L** Analysis Date **8/3/07 12:06:56 PM** Prep Date **8/2/07**
Client ID: Run ID: **GFAA-6000_070803C** SeqNo: **626050**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Selenium | 23.05 | 5.0 | µg/L | 25 | 0 | 92.2 | 80 | 120 | 22.8 | 1.11 | 20 | |

Sample ID **LCS-17408** Batch ID: **17408** Test Code: **SW7841** Units: **µg/L** Analysis Date **8/3/07 5:16:08 PM** Prep Date **8/2/07**
Client ID: Run ID: **GFAA-6000_070803D** SeqNo: **626084**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thallium | 26.09 | 2.0 | µg/L | 25 | 0 | 104 | 80 | 120 | 0 | | | |

Sample ID **LCSD-17408** Batch ID: **17408** Test Code: **SW7841** Units: **µg/L** Analysis Date **8/3/07 5:23:16 PM** Prep Date **8/2/07**
Client ID: Run ID: **GFAA-6000_070803D** SeqNo: **626085**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thallium | 26.4 | 2.0 | µg/L | 25 | 0 | 106 | 80 | 120 | 26.09 | 1.2 | 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:** *07-Sep-07*

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

## Sample Matrix Spike

Sample ID **0707156-01EMS** Batch ID: **17408** Test Code: **SW6010B** Units: **µg/L** Analysis Date **8/5/07 6:44:50 PM** Prep Date **8/2/07**
Client ID: **002914-B101D (M** Run ID: **ICP-OPTIMA_070805A** SeqNo: **626192**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Barium | 4116 | 200 | µg/L | 4028 | 9.665 | 102 | 75 | 125 | 0 | | | |
| Beryllium | 787.9 | 4.0 | µg/L | 797 | 0.6854 | 98.8 | 75 | 125 | 0 | | | |
| Cadmium | 814.3 | 5.0 | µg/L | 800 | 1.719 | 102 | 75 | 125 | 0 | | | |
| Chromium | 4068 | 5.0 | µg/L | 3976 | 2.144 | 102 | 75 | 125 | 0 | | | |
| Nickel | 4144 | 40 | µg/L | 3984 | 8.354 | 104 | 75 | 125 | 0 | | | |
| Silver | 404.8 | 7.0 | µg/L | 400 | 0 | 101 | 75 | 125 | 0 | | | |
| Vanadium | 4092 | 50 | µg/L | 4000 | 2.132 | 102 | 75 | 125 | 0 | | | |
| Zinc | 4002 | 20 | µg/L | 3944 | 10.81 | 101 | 75 | 125 | 0 | | | |

Sample ID **0707156-01EMSD** Batch ID: **17408** Test Code: **SW6010B** Units: **µg/L** Analysis Date **8/5/07 6:50:53 PM** Prep Date **8/2/07**
Client ID: **002914-B101D (M** Run ID: **ICP-OPTIMA_070805A** SeqNo: **626193**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Barium | 4137 | 200 | µg/L | 4028 | 9.665 | 102 | 75 | 125 | 4116 | 0.494 | 20 | |
| Beryllium | 782.3 | 4.0 | µg/L | 797 | 0.6854 | 98.1 | 75 | 125 | 787.9 | 0.703 | 20 | |
| Cadmium | 817 | 5.0 | µg/L | 800 | 1.719 | 102 | 75 | 125 | 814.3 | 0.334 | 20 | |
| Chromium | 4064 | 5.0 | µg/L | 3976 | 2.144 | 102 | 75 | 125 | 4068 | 0.0904 | 20 | |
| Nickel | 4164 | 40 | µg/L | 3984 | 8.354 | 104 | 75 | 125 | 4144 | 0.471 | 20 | |
| Silver | 405.9 | 7.0 | µg/L | 400 | 0 | 101 | 75 | 125 | 404.8 | 0.265 | 20 | |
| Vanadium | 4079 | 50 | µg/L | 4000 | 2.132 | 102 | 75 | 125 | 4092 | 0.328 | 20 | |
| Zinc | 4008 | 20 | µg/L | 3944 | 10.81 | 101 | 75 | 125 | 4002 | 0.154 | 20 | |

**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:** *07-Sep-07*

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

Sample Matrix Spike

Sample ID **0707156-01EMS** Batch ID: **17408** Test Code: **SW7060A** Units: **µg/L** Analysis Date **8/3/07 12:38:37 PM** Prep Date **8/2/07**
Client ID: **002914-B101D (M** Run ID: **GFAA-6000_070803A** SeqNo: **625984**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 31.06 | 5.0 | µg/L | 25 | 6.024 | 100 | 75 | 125 | 0 | | | |

Sample ID **0707156-01EMSD** Batch ID: **17408** Test Code: **SW7060A** Units: **µg/L** Analysis Date **8/3/07 12:45:28 PM** Prep Date **8/2/07**
Client ID: **002914-B101D (M** Run ID: **GFAA-6000_070803A** SeqNo: **625985**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 31.15 | 5.0 | µg/L | 25 | 6.024 | 100 | 75 | 125 | 31.06 | 0.262 | 20 | |

Sample ID **0707156-01EMS** Batch ID: **17408** Test Code: **SW7421** Units: **µg/L** Analysis Date **8/3/07 12:38:37 PM** Prep Date **8/2/07**
Client ID: **002914-B101D (M** Run ID: **GFAA-6000_070803B** SeqNo: **626019**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 29.56 | 5.0 | µg/L | 25 | 0 | 118 | 75 | 125 | 0 | | | |

Sample ID **0707156-01EMSD** Batch ID: **17408** Test Code: **SW7421** Units: **µg/L** Analysis Date **8/3/07 12:45:28 PM** Prep Date **8/2/07**
Client ID: **002914-B101D (M** Run ID: **GFAA-6000_070803B** SeqNo: **626020**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 28.34 | 5.0 | µg/L | 25 | 0 | 113 | 75 | 125 | 29.56 | 4.23 | 20 | |

**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:** *07-Sep-07*

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

Sample Matrix Spike

Sample ID **0707156-01EMS** Batch ID: **17408** Test Code: **SW7041** Units: **µg/L** Analysis Date **8/6/07 12:33:38 PM** Prep Date **8/2/07**
Client ID: **002914-B101D (M** Run ID: **GFAA-6000_070806A** SeqNo: **626375**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 26.07 | 6.0 | µg/L | 25 | 0 | 104 | 75 | 125 | 0 | | | |

Sample ID **0707156-01EMSD** Batch ID: **17408** Test Code: **SW7041** Units: **µg/L** Analysis Date **8/6/07 12:41:31 PM** Prep Date **8/2/07**
Client ID: **002914-B101D (M** Run ID: **GFAA-6000_070806A** SeqNo: **626376**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 25.91 | 6.0 | µg/L | 25 | 0 | 104 | 75 | 125 | 26.07 | 0.594 | 20 | |

Sample ID **0707156-01EMS** Batch ID: **17408** Test Code: **SW7740** Units: **µg/L** Analysis Date **8/3/07 12:38:37 PM** Prep Date **8/2/07**
Client ID: **002914-B101D (M** Run ID: **GFAA-6000_070803C** SeqNo: **626054**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Selenium | 20.4 | 5.0 | µg/L | 25 | 0 | 81.6 | 75 | 125 | 0 | | | |

Sample ID **0707156-01EMSD** Batch ID: **17408** Test Code: **SW7740** Units: **µg/L** Analysis Date **8/3/07 12:45:28 PM** Prep Date **8/2/07**
Client ID: **002914-B101D (M** Run ID: **GFAA-6000_070803C** SeqNo: **626055**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Selenium | 21.54 | 5.0 | µg/L | 25 | 0 | 86.1 | 75 | 125 | 20.4 | 5.44 | 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:** *07-Sep-07*

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

Sample Matrix Spike

Sample ID **0707156-01EMS** Batch ID: **17408** Test Code: **SW7841** Units: **µg/L** Analysis Date **8/3/07 5:52:17 PM** Prep Date **8/2/07**
Client ID: **002914-B101D (M** Run ID: **GFAA-6000_070803D** SeqNo: **626089**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thallium | 26.33 | 2.0 | µg/L | 25 | 0 | 105 | 75 | 125 | 0 | | | |

Sample ID **0707156-01EMSD** Batch ID: **17408** Test Code: **SW7841** Units: **µg/L** Analysis Date **8/3/07 5:59:57 PM** Prep Date **8/2/07**
Client ID: **002914-B101D (M** Run ID: **GFAA-6000_070803D** SeqNo: **626090**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thallium | 26.29 | 2.0 | µg/L | 25 | 0 | 105 | 75 | 125 | 26.33 | 0.165 | 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:** *07-Sep-07*

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

Sample Duplicate

Sample ID **0707156-01ED** Batch ID: **17408** Test Code: **SW6010B** Units: **µg/L** Analysis Date **8/5/07 6:38:57 PM** Prep Date **8/2/07**
Client ID: **002914-B101D (M** Run ID: **ICP-OPTIMA_070805A** SeqNo: **626191**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Barium | 7.998 | 200 | µg/L | 0 | 0 | 0 | 0 | 0 | 9.665 | 18.9 | 20 | J |
| Beryllium | 0.1857 | 4.0 | µg/L | 0 | 0 | 0 | 0 | 0 | 0.6854 | 115 | 20 | JR |
| Cadmium | 1.188 | 5.0 | µg/L | 0 | 0 | 0 | 0 | 0 | 1.719 | 36.6 | 20 | JR |
| Chromium | ND | 5.0 | µg/L | 0 | 0 | 0 | 0 | 0 | 2.144 | 0 | 20 | |
| Nickel | 6.576 | 40 | µg/L | 0 | 0 | 0 | 0 | 0 | 8.354 | 23.8 | 20 | JR |
| Silver | ND | 7.0 | µg/L | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | |
| Vanadium | ND | 50 | µg/L | 0 | 0 | 0 | 0 | 0 | 2.132 | 0 | 20 | |
| Zinc | 3.72 | 20 | µg/L | 0 | 0 | 0 | 0 | 0 | 10.81 | 97.6 | 20 | JR |

Sample ID **0707156-01ED** Batch ID: **17408** Test Code: **SW7060A** Units: **µg/L** Analysis Date **8/3/07 12:20:47 PM** Prep Date **8/2/07**
Client ID: **002914-B101D (M** Run ID: **GFAA-6000_070803A** SeqNo: **625982**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 5.33 | 5.0 | µg/L | 0 | 0 | 0 | 0 | 0 | 6.024 | 12.2 | 20 | |

Sample ID **0707156-01ED** Batch ID: **17408** Test Code: **SW7421** Units: **µg/L** Analysis Date **8/3/07 12:20:47 PM** Prep Date **8/2/07**
Client ID: **002914-B101D (M** Run ID: **GFAA-6000_070803B** SeqNo: **626017**

| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | |

**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:** *07-Sep-07*

**CLIENT:** GEI Consultants, Inc.
**Work Order:** 0707156
**Project:** 00219-4 Canton Airport

# QC SUMMARY REPORT

Sample Duplicate

Sample ID **0707156-01ED** Batch ID: **17408** Test Code: **SW7041** Units: **µg/L** Analysis Date **8/6/07 12:17:44 PM** Prep Date **8/2/07**
Client ID: **002914-B101D (M** Run ID: **GFAA-6000_070806A** SeqNo: **626373**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | ND | 6.0 | µg/L | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | |

Sample ID **0707156-01ED** Batch ID: **17408** Test Code: **SW7740** Units: **µg/L** Analysis Date **8/3/07 12:20:47 PM** Prep Date **8/2/07**
Client ID: **002914-B101D (M** Run ID: **GFAA-6000_070803C** SeqNo: **626052**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Selenium | ND | 5.0 | µg/L | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | |

Sample ID **0707156-01ED** Batch ID: **17408** Test Code: **SW7841** Units: **µg/L** Analysis Date **8/3/07 5:37:43 PM** Prep Date **8/2/07**
Client ID: **002914-B101D (M** Run ID: **GFAA-6000_070803D** SeqNo: **626087**

| Analyte | QC Sample Result | RL | Units | QC Spike Amount | Original Sample Result | %REC | LowLimit | HighLimit | Original Sample or MS Result | %RPD | RPDLimit | Qua |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thallium | ND | 2.0 | µg/L | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | |

**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.