SCANNED

Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854

978.970.5600 PHONE
978.453.1995 FAX

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E-SUBMITTAL

TRC Reference Number: 116474

September 26, 2007

Ms Anna Mayor
Project Manager
Bureau of Waste Site Cleanup
Massachusetts Department of Environmental Protection
205B Lowell Street
Wilmington, Massachusetts 01887

Subject: Phase III Remedial Action Plan (RAP) Addendum II,
Modified Phase IV Remedy Implementation Plan (RIP), and
Modified Phase IV As-Built Construction & Final Report- Groundwater

Remedy Operation Status Report - Summer 2007

Site: Former GE Facility (RTN# 3-0518) 50 Fordham St.
Wilmington, Massachusetts

Dear Ms Mayor: SL=U/A

Enclosed please find a copy of the above referenced reports for the Former GE Facility (RTN# 3-0518), located on 50 Fordham Road in Wilmington, Massachusetts.

In accordance with 310 CMR 40.0893(6)(b), Remedy Operations Status (ROS) was temporarily suspended on May 25, 2007 to evaluate additional remedial technologies that were not previously considered, to select a revised remedial action alternative, and to implement the alternative.

TRC is simultaneously submitting herein the requisite Phase III and Phase IV documentation with the ROS Status Report for Summer 2007. Therefore, with the enclosed submittals, the temporary suspension is complete, and the Site is returning to ROS.

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC108

COMPREHENSIVE RESPONSE ACTION TRANSMITTAL FORM & PHASE I COMPLETION STATEMENT

Pursuant to 310 CMR 40.0484 (Subpart D) and 40.0800 (Subpart H)

Release Tracking Number: 3 - 518

A. SITE LOCATION:

1. Site Name: GENERAL ELECTRIC CO FMR
2. Street Address: 50 FORDHAM RD
3. City/Town: WILMINGTON
4. ZIP Code: 018870000
5. UTM Coordinates: a. UTM N: 4714246 b. UTM E: 324657
6. ☑ Check here if a Tier Classification Submittal has been provided to DEP for this disposal site.
   ☑ a. Tier IA ☐ b. Tier IB ☐ c. Tier IC ☐ d. Tier II
7. If applicable, provide the Permit Number: 83052

B. THIS FORM IS BEING USED TO: (check all that apply)

☐ 1. Submit a **Phase I Completion Statement**, pursuant to 310 CMR 40.0484.

☐ 2. Submit a **Revised Phase I Completion Statement**, pursuant to 310 CMR 40.0484.

☐ 3. Submit a **Phase II Scope of Work**, pursuant to 310 CMR 40.0834.

☐ 4. Submit an **interim Phase II Report**. This report does not satisfy the response action deadline requirements in 310 CMR 40.0500.

☐ 5. Submit a **final Phase II Report and Completion Statement**, pursuant to 310 CMR 40.0836.

☐ 6. Submit a **Revised Phase II Report and Completion Statement**, pursuant to 310 CMR 40.0836.

☐ 7. Submit a **Phase III Remedial Action Plan and Completion Statement**, pursuant to 310 CMR 40.0862.

☑ 8. Submit a **Revised Phase III Remedial Action Plan and Completion Statement**, pursuant to 310 CMR 40.0862.

☐ 9. Submit a **Phase IV Remedy Implementation Plan**, pursuant to 310 CMR 40.0874.

☑ 10. Submit a **Modified Phase IV Remedy Implementation Plan**, pursuant to 310 CMR 40.0874.

☐ 11. Submit an **As-Built Construction Report**, pursuant to 310 CMR 40.0875.

☐ 12. Submit a **Phase IV Status Report**, pursuant to 310 CMR 40.0877.

☐ 13. Submit a **Phase IV Completion Statement**, pursuant to 310 CMR 40.0878 and 40.0879.

Specify the outcome of Phase IV activities: (check one)

☐ a. Phase V Operation, Maintenance or Monitoring of the Comprehensive Remedial Action is necessary to achieve a Response Action Outcome.

☐ b. The requirements of a Class A Response Action Outcome have been met. No additional Operation, Maintenance or Monitoring is necessary to ensure the integrity of the Response Action Outcome. A completed Response Action Outcome Statement and Report (BWSC104) will be submitted to DEP.

☐ c. The requirements of a Class C Response Action Outcome have been met. No additional Operation, Maintenance or Monitoring is necessary to ensure the integrity of the Response Action Outcome. A completed Response Action Outcome Statement and Report (BWSC104) will be submitted to DEP.

☐ d. The requirements of a Class C Response Action Outcome have been met. Further Operation, Maintenance or Monitoring of the remedial action is necessary to ensure that conditions are maintained and that further progress is made toward a Permanent Solution. A completed Response Action Outcome Statement and Report (BWSC104) will be submitted to DEP.

(All sections of this transmittal form must be filled out unless otherwise noted above)

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

E-SUBMITTAL BWSC108

COMPREHENSIVE RESPONSE ACTION TRANSMITTAL FORM & PHASE I COMPLETION STATEMENT

Release Tracking Number 3 - 518

Pursuant to 310 CMR 40.0484 (Subpart D) and 40.0800 (Subpart H)

B. THIS FORM IS BEING USED TO (cont.): (check all that apply)

☑ 14. Submit a **Revised Phase IV Completion Statement**, pursuant to 310 CMR 40.0878 and 40.0879.

☐ 15. Submit a **Phase V Status Report**, pursuant to 310 CMR 40.0892.

☑ 16. Submit a **Remedial Monitoring Report**. (This report can only be submitted through eDEP.)

a. Type of Report: (check one) ☐ i. Initial Report ☑ ii. Interim Report ☐ iii. Final Report

b. Frequency of Submittal: (check all that apply)

☐ i. A Remedial Monitoring Report(s) submitted monthly to address an Imminent Hazard.

☐ ii. A Remedial Monitoring Report(s) submitted monthly to address a Condition of Substantial Release Migration.

☑ iii. A Remedial Monitoring Report(s) submitted concurrent with a Status Report.

c. Status of Site: (check one) ☐ i. Phase V ☑ ii. Remedy Operation Status ☐ iii. Class C RAO

d. Number of Remedial Systems and/or Monitoring Programs: 2

A separate BWSC108A, CRA Remedial Monitoring Report, must be filled out for each Remedial System and/or Monitoring Program addressed by this transmittal form.

☐ 17. Submit a **Remedy Operation Status**, pursuant to 310 CMR 40.0893.

☑ 18. Submit a **Status Report to maintain a Remedy Operation Status**, pursuant to 310 CMR 40.0893(2).

☐ 19. Submit a **Modification of a Remedy Operation Status**, pursuant to 310 CMR 40.0893(5).

☐ 20. Submit a **Termination of a Remedy Operation Status**, pursuant to 310 CMR 40.0893(6).

☐ 21. Submit a **Phase V Completion Statement**, pursuant to 310 CMR 40.0894.

Specify the outcome of Phase V activities: (check one)

☐ a. The requirements of a Class A Response Action Outcome have been met. No additional Operation, Maintenance or Monitoring is necessary to ensure the integrity of the Response Action Outcome. A completed Response Action Outcome Statement (BWSC104) will be submitted to DEP.

☐ b. The requirements of a Class C Response Action Outcome have been met. No additional Operation, Maintenance or Monitoring is necessary to ensure the integrity of the Response Action Outcome. A completed Response Action Outcome Statement and Report (BWSC104) will be submitted to DEP.

☐ c. The requirements of a Class C Response Action Outcome have been met. Further Operation, Maintenance or Monitoring of the remedial action is necessary to ensure that conditions are maintained and/or that further progress is made toward a Permanent Solution. A completed Response Action Outcome Statement and Report (BWSC104) will be submitted to DEP.

☐ 22. Submit a **Revised Phase V Completion Statement**, pursuant to 310 CMR 40.0894.

☐ 23. Submit a **Post-Class C Response Action Outcome Status Report**, pursuant to 310 CMR 40.0898.

(All sections of this transmittal form must be filled out unless otherwise noted above)

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC108

COMPREHENSIVE RESPONSE ACTION TRANSMITTAL FORM & PHASE I COMPLETION STATEMENT

Release Tracking Number
3 - 518

Pursuant to 310 CMR 40.0484 (Subpart D) and 40.0800 (Subpart H)

C. LSP SIGNATURE AND STAMP:

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and 309 CMR 4.03(2), and (iii) the provisions of 309 CMR 4.03(3), to the best of my knowledge, information and belief,

> *if Section B indicates that a **Phase I, Phase II, Phase III, Phase IV or Phase V Completion Statement** is being submitted*, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> *if Section B indicates that a **Phase II Scope of Work** or a **Phase IV Remedy Implementation Plan** is being submitted*, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> *if Section B indicates that an **As-Built Construction Report**, a **Remedy Operation Status**, a **Phase IV, Phase V or Post-Class C RAO Status Report**, a **Status Report to Maintain a Remedy Operation Status** and/or a **Remedial Monitoring Report** is being submitted*, the response action(s) that is (are) the subject of this submittal (i) is (are) being implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal.

I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

1. LSP #: 7109
2. First Name: BRUCE A
3. Last Name: HOSKINS
4. Telephone: (978) 683-0891
5. Ext.:
6. FAX:
7. Signature: Bruce A Hoskins
8. Date: 09/27/2007 (mm/dd/yyyy)
9. LSP Stamp:

Commonwealth of Massachusetts
Electronic Seal
Licensed Site Professional

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC108

Release Tracking Number
3 - 518

COMPREHENSIVE RESPONSE ACTION TRANSMITTAL FORM & PHASE I COMPLETION STATEMENT

Pursuant to 310 CMR 40.0484 (Subpart D) and 40.0800 (Subpart H)

D. PERSON UNDERTAKING RESPONSE ACTIONS:

1. Check all that apply: ☐ a. change in contact name ☐ b. change of address ☑ c. change in the person undertaking response actions

2. Name of Organization: TRC ENVIRONMENTAL CORPORATION

3. Contact First Name: PAOLA 4. Last Name: MACCHIAROLI

5. Street: WANNALANCIT MILLS, 650 SUFFOLK STREET 6. Title: PROJECT MANAGER

7. City/Town: LOWELL 8. State: MA 9. ZIP Code: 018540000

10. Telephone: (978) 970-5600 11. Ext.: 12. FAX: (978) 453-1995

E. RELATIONSHIP TO SITE OF PERSON UNDERTAKING RESPONSE ACTIONS:

☑ 1. RP or PRP ☐ a. Owner ☐ b. Operator ☐ c. Generator ☐ d. Transporter

☑ e. Other RP or PRP Specify: OTHER LEGALLY RESPONSIBLE PARTY

☐ 2. Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)

☐ 3. Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))

☐ 4. Any Other Person Undertaking Response Actions Specify Relationship:

F. REQUIRED ATTACHMENT AND SUBMITTALS:

☐ 1. Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to any order(s), permit(s) and/or approval(s) issued by DEP or EPA. If the box is checked, you MUST attach a statement identifying the applicable provisions thereof.

☑ 2. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the submittal of any Phase Reports to DEP.

☑ 3. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the availability of a Phase III Remedial Action Plan.

☑ 4. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the availability of a Phase IV Remedy Implementation Plan.

☐ 5. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of any field work involving the implementation of a Phase IV Remedial Action.

☐ 6. If submitting a Modification of a Remedy Operation Status, check here to certify that a statement detailing the compliance history, as per 310 CMR 40.0893(5), for the person making this submittal is attached.

☐ 7. If submitting a Modification of a Remedy Operation Status, check here to certify that written consent of the person who submitted the Remedy Operation Status submittal, as per 310 CMR 40.0893(5), is attached.

☐ 8. Check here if any non-updatable information provided on this form is incorrect, e.g. Site Name. Send corrections to the DEP Regional Office.

☑ 9. Check here to certify that the LSP Opinion containing the material facts, data, and other information is attached.

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC108

COMPREHENSIVE RESPONSE ACTION TRANSMITTAL FORM & PHASE I COMPLETION STATEMENT

Release Tracking Number
3 - 518

Pursuant to 310 CMR 40.0484 (Subpart D) and 40.0800 (Subpart H)

G. CERTIFICATION OF PERSON UNDERTAKING RESPONSE ACTIONS:

1. I, PAOLA MACCHIAROLI, attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

2. By: Paola Macchiaroli (Signature) 3. Title: PROJECT MANAGER

4. For: TRC ENVIRONMENTAL CORPORATION (Name of person or entity recorded in Section D) 5. Date: 09/27/2007 (mm/dd/yyyy)

☐ 6. Check here if the address of the person providing certification is different from address recorded in Section D.

7. Street: _____

8. City/Town: _____ 9. State: _____ 10. ZIP Code: _____

11. Telephone: _____ 12. Ext.: _____ 13. FAX: _____

YOU ARE SUBJECT TO AN ANNUAL COMPLIANCE ASSURANCE FEE OF UP TO $10,000 PER BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.

Date Stamp (DEP USE ONLY:)

Received by DEP on

9/27/2007 3:04:02 PM

Nag, Veena (DEP)

From: Babroudi, Ida (DEP)
Sent: Thursday, September 27, 2007 3:18 PM
To: Nag, Veena (DEP)
Subject: FW: Email confirmation from eDEP Transaction 147713

From: eDEP-Confirmation@state.ma.us[SMTP:EDEP-CONFIRMATION@STATE.MA.US]
Sent: Thursday, September 27, 2007 3:17:59 PM
Subject: Email confirmation from eDEP Transaction 147713 Auto forwarded by a Rule

BWSC Remedial Monitoring Report A( )
BWSC Remedial Monitoring Report A( )
BWSC Remedial Monitoring Report B( )
BWSC Remedial Monitoring Report B( )
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****
DEP Transaction ID: 147713

Date and Time Submitted: 9/27/2007 3:04:02 PM
****
Form Name: BWSC 108 CRA Transmittal Form & Phase I CS

RTN: 3-518
Location: GENERAL ELECTRIC CO FMR
Address: 50 FORDHAM RD
WILMINGTON
018870000
Person Making Submittal
TRC ENVIRONMENTAL CORPORATION
PAOLA
MACCHIAROLI
WANNALANCIT MILLS, 650 SUFFOLK STREET
LOWELL
MA
018540000
LSP
LSP #: 7109
LSP Name: BRUCE A
HOSKINS
Person Making Certification
TRC ENVIRONMENTAL CORPORATION
PAOLA MACCHIAROLI

TRC ENVIRONMENTAL CORPORATION
PAOLA MACCHIAROLI

Ancillary Document Uploaded/Mailed :
BWSC-108 Ques.B08 - Revised Phase III Remedial Action Plan - Uploaded (BWSC-108 Ques.B08 - Revised Phase III Remedial Action Plan.pdf)
BWSC-108 Ques.B10 - Modified Phase IV Remedy Implementation Plan - Uploaded (BWSC-108 Ques.B10 - Modified Phase IV Remedy Implementation Plan.tif)
BWSC-108 Ques.B14 - Revised Phase IV Final Inspection Report - Uploaded (BWSC-108 Ques.B14 - Revised Phase IV Final Inspection Report.tif)
BWSC-108 Ques.B18 - ROS Status Report - Uploaded (BWSC-108 Ques.B18 - ROS Status Report.pdf)
Supporting Documents - Uploaded (Supporting Documents.doc)
Supporting Documents - Uploaded (Supporting Documents.doc)
****

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NORTHEAST REGIONAL OFFICE

TRC Reference Number: E9202-9404-09400

February 28, 2007

Stephen M. Johnson
Deputy Regional Director
Bureau of Waste Site Cleanup
Massachusetts Department of Environmental Protection
205B Lowell Street
Wilmington, Massachusetts 01887

Subject: Response to Notice of Noncompliance with the MCP
NON # NON-NE-07-3R001
Phase V Operations, Maintenance, and Monitoring Report – Tank K Area; Groundwater Source Control Area

Reference Site: Former GE Facility (RTN# 3-0518)
50 Fordham Road
Wilmington, Massachusetts

SL-4/A

Dear Mr. Johnson:

This is a response to your Notice of Noncompliance (NON) with the MCP dated February 14, 2007. The NON was issued because a Remedial Monitoring Report (RMR) was not submitted with the BWSC-108 Comprehensive Response Action Transmittal Form and Phase V Status Report by TRC on January 19, 2007, for the above-referenced site.

In a telephone conversation with Mr. Philip Mallard from your office on February 26, 2007, it was confirmed that the RMR was the only item missing from the submittal. Therefore, in accordance with the NON, TRC is submitting the attached Interim Remedial Monitoring Report Checklist for the report in question to become administratively complete and return to compliance.

Failure to enclose the one page checklist was an unfortunate oversight, and TRC has taken the appropriate measures to ensure that this does not happen again.

Should you have any questions or comments, please feel free to call our office.

Sincerely,

Kenneth Cormier, P.G., CHMM
Senior Environmental Geologist

Paola E. Macchiaroli, Ph.D.
Senior Project Manager

Enclosure

cc: Bruce Hoskins, LSP, Nobis Engineering
Joe Yeasted, TRC
Paul Calligan, Lockheed Martin Corporation
Ms Anna Mayor, MA DEP
Philip Mallard, MA DEP
Kyle Macafee, MADEP
Vincent Ferlisi, DEP/NERO
Town of Wilmington Board of Health

TRC

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

Interim Remedial Monitoring Report (RMR) Checklist
Pursuant to 310 CMR 40.0027

Release Tracking Number
3 – 518

Site Location:

Site Name: Former General Electric Facility

Street Address: 50 Fordham Road

City/Town: Wilmington ZIP Code: 01887

Pursuant to 310 CMR 40.0027, the following information is required as part of a Remedial Monitoring Report:

- ☒ Number and Description of Active Remedial System(s) or Active Remedial Monitoring Program(s) – include type of system, remedial additives applied, mode of operation, and where the system effluent discharges
- ☒ Monitoring Frequency – include date(s) and number of monitoring events for reporting period
- ☒ Operating Status of Active Remedial Systems – include information regarding any system shutdown during the reporting period and the date/duration of shutdown
- ☒ Effluent Concentrations – provide data for all monitoring events, include information regarding any discharges above permissible discharge concentrations
- ☒ Recovery Rates and/or Volumes
- ☒ Discharge Volumes
- ☐ Date, Location, Type, and Volume of Remedial Additive Applications
- ☒ Groundwater Data – sampling results, monitoring data, etc.
- ☒ Related Maps, Graphs or Diagrams
- ☒ Other Supporting Documentation – narrative, laboratory data, etc.

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Summary Statements: (check all that apply for the current reporting period)

The response actions are being conducted as part of a(n):
☐ IRA ☐ RAM ☐ URAM ☒ Phase V ☐ ROS ☐ Class C RAO

Submittal Frequency:
☐ Monthly (IH/SRM) ☒ Concurrent with Status Reports

- ☒ All Active Remedial System checks and effluent analyses required by the approved plan and/or permit were performed when applicable.
- ☒ There were no significant problems or prolonged (>25% of reporting period) unscheduled shutdowns of the Active Remedial System.
- ☒ The Active Remedial System or Active Remedial Monitoring Program operated in conformance with the MCP, and all applicable approval conditions and/or permits.

Note to users: This Interim Remedial Monitoring Report (RMR) Checklist is for hardcopy submittals only. This form may be used through April 3, 2007. On or after this date, all Remedial Monitoring Reports must be submitted to the Department electronically pursuant to 310 CMR 40.0027(6). The Remedial Monitoring Report is currently available through eDEP as part of the electronic online submittal of the BWSC105 Immediate Response Action (IRA) Transmittal Form, BWSC106 Release Abatement Measure (RAM) Transmittal Form, BWSC108 Comprehensive Response Action Transmittal Form, and BWSC119 Utility-Related Abatement Measure (URAM) Transmittal Form.

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TRC Reference No. E9202-9404-09400

March 1, 2007

Mr. Michael J. O'Brien
Office of Ecosystem Protection
EPA- New England Region I
One Congress Street, Suite 1100 (CPE)
Boston, MA 02114-2023

Subject: Monthly Status Report (#42)
Remediation General Permit No. MAG910000/NPDES Exclusion # MA 03I-072
Groundwater Remediation System
Operating Period: December 30, 2006 – January 25, 2007

Dear Mr. O'Brien:

SLWA

Per the requirements of Massachusetts Remediation General Permit (RGP) No. MAG910000 (subsequent to the NPDES Exclusion #MA 03I-072 granted on June 12, 2003), TRC is submitting the analytical results for the groundwater remediation system located at the former GE facility site (RTN 3-0518 per the Massachusetts Contingency Plan) on 50 Fordham Road in Wilmington, Massachusetts for the operating period of December 30, 2006 – January 25, 2007.

1.0 Groundwater Remediation System Status

Full system startup commenced on August 15, 2003. The remediation system was fully operational during this monitoring period.

2.0 Sampling and Analysis

The monthly sampling of the system was conducted on January 25, 2007. The water samples were immediately preserved (with hydrochloric acid for VOCs) and shipped to the analytical laboratory and analyzed for VOCs and total suspended solids (TSS).

3.0 Results

The monitoring and groundwater analytical results for January 25, 2007are summarized in **Table 1**. Given the abundance of data collected to date, this table summarizes data for the most recent calendar year only. For comparison purposes, it also includes the data from system start-up. Copies of the corresponding laboratory reports and the corresponding data validation report for this monitoring period are provided in **Attachment A**.

As summarized in Table 1, all discharge standards were achieved for this monitoring period. In addition, quantitation limits of all VOCs were below the NPDES discharge standards in the final effluent sample.

In general, the bulk of the contaminant load within the air stripper influent (A/S Influent) samples include trichloroethene (TCE) and tetrachloroethene (PCE) with minor contributions from the associated breakdown compounds.

Should you have any questions regarding this information, please do not hesitate to contact our office.

Sincerely;

Paola E. Macchiaroli, Ph.D.
Senior Project Manager

Elizabeth Denly
Quality Assurance Chemist

CC: Bruce Hoskins, L.S.P.- Nobis Engineering
Paul Calligan- Lockheed Martin Corporation
MADEP BWSC, Northeast Regional Office

TRC

Table 1. Groundwater Treatment System - Groundwater Analytical Results
Former GE Facility, Wilmington, MA

Location Name		A/S Influent																NPDES Discharge Standard		Method 1 MCP
Analyte	Date	8/15/03	1/25/06	2/21/06	3/21/06	4/17/06	5/31/06	6/29/06	7/13/06	8/25/06	9/20/06	9/28/06	9/28/06	10/18/06	11/28/06	12/29/06	1/25/07	MCLs	Allowable Conc.	GW-1
Dichlorodifluoromethane	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 50	< 50	< 50	< 100		100	
Chloromethane	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	**7.4**	< 25	< 25	< 25	< 50		100	
Vinyl chloride	ug/L	**51**	< 60	< 60	< 60	< 60	**7.9**	< 20	**4.1**	< 4.0	< 2.0	< 20	**5.4**	< 10	< 10	< 10	< 20	2	2	2
Bromomethane	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 10	< 10	< 10	< 20		100	10
Chloroethane	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 10	< 10	< 10	< 20		100	
Fluorotrichloromethane	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 25	< 25	< 25	< 50		100	
1,1-Dichloroethene	ug/L	**160**	< 150	< 150	< 150	< 150	**20**	< 50	**8.0**	< 10	< 5.0	< 50	**11**	< 5.0	**2.9 J**	**5.8**	**12**	7	7	7
Acetone	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	**4.0 J**	< 50	< 50	< 50	< 100		100	3000
Methyl iodide	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 50	< 50	< 50	< 100		100	
Carbon disulfide	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 50	< 50	< 50	< 100		100	
Methylene chloride	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 5.0	< 50	< 50	< 50	**12 J**	5	5	5
trans-1,2-Dichloroethene	ug/L	**14**	< 150	< 150	< 150	< 150	**2.1 J**	< 50	**1.4 J**	< 10	< 5.0	< 50	**1.4 J**	< 7.5	< 7.5	< 7.5	< 15	100	100	100
Methyl tert-butyl ether	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 20	< 10	< 10	< 20		100	
1,1-Dichloroethane	ug/L	**420 E**	**67 J**	**44 J**	**60 J**	**78 J**	**84**	< 50	**35**	**2.7 J**	**5.1**	**42 J**	**47**	**11**	**15**	**19**	**56**		70	70
Vinyl Acetate	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 25	< 50	< 50	< 100		100	
2-Butanone (MEK)	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 50	< 50	< 50	< 100		100	4000
cis-1,2-Dichloroethene	ug/L	**480 E**	**41 J**	**57 J**	**80 J**	**110 J**	**79**	**51**	**78**	**9.2 J**	**15**	**66**	**73**	**27**	**20**	**50**	**71**	70	70	70
2,2-Dichloropropane	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 25	< 25	< 25	< 50		100	
Bromochloromethane	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 25	< 25	< 25	< 50		100	
Chloroform	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 7.5	< 7.5	< 7.5	< 15	80	80	5
1,1,1-Trichloroethane	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 5.0	< 5.0	< 5.0	< 10	200	100	200
1,1-Dichloropropene	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 25	< 25	< 25	< 50		100	
Carbon tetrachloride	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 5.0	< 5.0	< 5.0	< 10	5	5	5
1,2-Dichloroethane	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	**1.0 J**	< 10	< 5.0	< 50	< 2.0	< 5.0	< 5.0	< 5.0	< 10	5	5	5
Benzene	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 5.0	< 5.0	< 5.0	< 10	5	5	5
Trichloroethene	ug/L	**18000**	**3000**	**2900**	**3300**	**3900**	**4300**	**1300**	**1200**	**190**	**270**	**2000**	**2400**	**280**	**820**	**1400**	**3500**	5	5	5
1,2-Dichloropropane	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 18	< 18	< 18	< 35	5	5	5
Dibromomethane	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 50	< 50	< 50	< 100		100	
Bromodichloromethane	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 5.0	< 5.0	< 5.0	< 10	80	80	3
cis-1,3-Dichloropropene	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 5.0	< 5.0	< 5.0	< 10		100	0.5
4-Methyl-2-pentanone	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 50	< 50	< 50	< 100		100	350
Toluene	ug/L	**12**	< 150	< 150	< 150	< 150	**1.6 BJ**	< 50	< 5.0	< 10	**2.0 J**	< 50	< 2.0	< 7.5	**1.0 J**	< 7.5	< 15	1000	100	1000
trans-1,3-Dichloropropene	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 5.0	< 5.0	< 5.0	< 10		100	0.5
1,1,2-Trichloroethane	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 7.5	< 7.5	< 7.5	< 15	5	5	5
1,3-Dichloropropane	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 25	< 25	< 25	< 50		100	
Tetrachloroethene	ug/L	**14000**	**2100**	**2100**	**2300**	**2600**	**2700**	**980**	**690**	**200**	**280**	**1700**	**1700**	**110**	**600**	**880**	**2800**	5	5	5
2-Hexanone	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 50	< 50	< 50	< 100		100	
Chlorodibromomethane	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 5.0	< 5.0	< 5.0	< 10	80	80	2
Ethylenedibromide	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 20	< 20	< 20	< 40	0.05	0.05	0.02
Chlorobenzene	ug/L	**3 J**	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 5.0	< 5.0	< 5.0	< 10	100	100	100
1,1,1,2-Tetrachloroethane	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 5.0	< 5.0	< 5.0	< 10		100	5
Ethylbenzene	ug/L	**1 J**	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 5.0	< 5.0	< 5.0	< 10	700	100	700
o-Xylene	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 10	< 10	< 10	< 20	10000	100	10000
m & p-Xylene	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 4.0	< 10	< 10	< 10	< 20	10000	100	10000
Xylenes (total)	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 10	< 10	< 10	< 20	10000	100	10000
Styrene	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 10	< 10	< 10	< 20	100	100	100
Bromoform	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 20	< 20	< 20	< 40	80	80	4
Isopropylbenzene	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 5.0	< 5.0	< 5.0	< 10		100	
1,1,2,2-Tetrachloroethane	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 5.0	< 5.0	< 5.0	< 10		100	2
Bromobenzene	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 25	< 25	< 25	< 50		100	
1,2,3-Trichloropropane	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 50	< 50	< 50	< 100		100	
n-Propylbenzene	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 5.0	< 5.0	< 5.0	< 10		100	
2-Chlorotoluene	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 25	< 25	< 25	< 50		100	
1,3,5-Trimethylbenzene	ug/L	**1 J**	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 25	< 25	< 25	< 50		100	
4-Chlorotoluene	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 25	< 25	< 25	< 50		100	
tert-Butylbenzene	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 25	< 25	< 25	< 50		100	
1,2,4-Trimethylbenzene	ug/L	**2 J**	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 25	< 25	< 25	< 50		100	
sec-Butylbenzene	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 5.0	< 5.0	< 5.0	< 10		100	
p-Isopropyltoluene	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 5.0	< 5.0	< 5.0	< 10		100	
1,3-Dichlorobenzene	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 25	< 25	< 25	< 50		100	40
1,4-Dichlorobenzene	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 25	< 25	< 25	< 50	75	75	5
n-Butylbenzene	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 5.0	< 5.0	< 5.0	< 10		100	
1,2-Dichlorobenzene	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 25	< 25	< 25	< 50	600	100	600
1,2-Dibromo-3-chloropropane	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 25	< 25	< 25	< 50	0.2	0.2	
1,2,4-Trichlorobenzene	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 25	< 25	< 25	< 50	70	70	70
Hexachlorobutadiene	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 6.0	< 6.0	< 6.0	< 12		100	0.6
Naphthalene	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 5.0	< 25	< 25	< 25	< 50		100	140
1,2,3-Trichlorobenzene	ug/L	<5	< 150	< 150	< 150	< 150	< 5.0	< 50	< 5.0	< 10	< 5.0	< 50	< 2.0	< 25	< 25	< 25	< 50		100	
pH	S.U.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		6.5-8.3	
Total suspended solids (TSS)	mg/L	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		30	

Notes:
1. "<" denotes analyte was not detected at concentrations above the given quantitation limit.
2. Method 1 MCP Standards are taken from the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000.
3. MCLs are taken from the USEPA National Primary Drinking Water Regulations (Winter 2004).
4. All detected analytes are shown in bold type.
5. Compounds exceeding listed standards are shown in bold and shaded type.
6. "*" denotes test results evaluating system efficiency at 2 GPM
7. "**" denotes test results evaluating system efficiency at 4 GPM
8. "+" = pH measured by laboratory was 6.4; TRC confirmation using same methodology in field on 4/27/06 was 7.55
9. "^" = pH measured by laboratory was 6.2; TRC confirmation using same methodology in field on 6/16/06 was 7.03
10. "a" = split sample collected and submitted to Alpha Woods Hole Laboratory

B - Detected in associated laboratory method blank.
E - Estimated concentration; exceeds upper limit of calibration.
J - Estimated value.
- Not Analyzed

Table 1. Groundwater Treatment System - Groundwater Analytical Results
Former GE Facility, Wilmington, MA

Location Name		GAC 1 Influent																NPDES Discharge Standard		Method 1 MCP
Analyte	Date	8/15/03	1/25/06	2/21/06	3/21/06	4/17/06	5/31/06	6/29/06	7/13/06	8/25/06	9/20/06	9/28/06	9/28/2006*	10/18/06	11/28/06	12/29/06	1/25/07	MCLs	Allowable Conc.	GW-1
Dichlorodifluoromethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<5.0	<5.0	<5.0	<5.0		100	
Chloromethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
Vinyl chloride	ug/L	<5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2.0	<1.0	<1.0	<1.0	<1.0	2	2	2
Bromomethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<1.0	<1.0	<1.0	<1.0		100	10
Chloroethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<1.0	<1.0	<1.0	<1.0		100	
Fluorotrichloromethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
1,1-Dichloroethene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	7	7	7
Acetone	ug/L	**31**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	**9.6 B**	<5.0	**6.0**	<5.0	<5.0		100	3000
Methyl iodide	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<5.0	<5.0	<5.0	<5.0		100	
Carbon disulfide	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<5.0	<5.0	<5.0	<5.0		100	
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.0	<5.0	<5.0	<5.0	<5.0	5	5	5
trans-1,2-Dichloroethene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.75	<0.75	<0.75	<0.75	100	100	100
Methyl tert-butyl ether	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.0	<1.0	<1.0	<1.0		100	
1,1-Dichloroethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.75	**0.25 J**	<0.75	<0.75		70	70
Vinyl Acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<5.0	<5.0	<5.0		100	
2-Butanone (MEK)	ug/L	**19**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<5.0	**1.7 J**	<5.0	<5.0		100	4000
cis-1,2-Dichloroethene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	**0.42 J**	<0.50	<0.50	70	70	70
2,2-Dichloropropane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
Bromochloromethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
Chloroform	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.75	<0.75	<0.75	<0.75	80	80	5
1,1,1-Trichloroethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	200	100	200
1,1-Dichloropropene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
Carbon tetrachloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	5	5	5
1,2-Dichloroethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	5	5	5
Benzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	5	5	5
Trichloroethene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	**15**	<0.50	**0.15 J**	5	5	5
1,2-Dichloropropane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<1.8	<1.8	<1.8	<1.8	5	5	5
Dibromomethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<5.0	<5.0	<5.0	<5.0		100	
Bromodichloromethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	80	80	3
cis-1,3-Dichloropropene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50		100	0.5
4-Methyl-2-pentanone	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<5.0	<5.0	<5.0	<5.0		100	350
Toluene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.75	<0.75	<0.75	<0.75	1000	100	1000
trans-1,3-Dichloropropene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50		100	0.5
1,1,2-Trichloroethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.75	<0.75	<0.75	<0.75	5	5	5
1,3-Dichloropropane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
Tetrachloroethene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	**13**	<0.50	<0.50	5	5	5
2-Hexanone	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<5.0	<5.0	<5.0	<5.0		100	
Chlorodibromomethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	80	80	2
Ethylenedibromide	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.0	<2.0	<2.0	<2.0	0.05	0.05	0.02
Chlorobenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	100	100	100
1,1,1,2-Tetrachloroethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50		100	5
Ethylbenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	700	100	700
o-Xylene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<1.0	<1.0	<1.0	<1.0	10000	100	10000
m & p-Xylene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<4.0	<1.0	<1.0	<1.0	<1.0	10000	100	10000
Xylenes (total)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<1.0	<1.0	<1.0	<1.0	10000	100	10000
Styrene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<1.0	<1.0	<1.0	<1.0	100	100	100
Bromoform	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.0	<2.0	<2.0	<2.0	80	80	4
Isopropylbenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50		100	
1,1,2,2-Tetrachloroethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50		100	2
Bromobenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
1,2,3-Trichloropropane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<5.0	<5.0	<5.0	<5.0		100	
n-Propylbenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50		100	
2-Chlorotoluene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
1,3,5-Trimethylbenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
4-Chlorotoluene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
tert-Butylbenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
1,2,4-Trimethylbenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
sec-Butylbenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50		100	
p-Isopropyltoluene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50		100	
1,3-Dichlorobenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	40
1,4-Dichlorobenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5	75	75	5
n-Butylbenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50		100	
1,2-Dichlorobenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5	600	100	600
1,2-Dibromo-3-chloropropane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5	0.2	0.2	
1,2,4-Trichlorobenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5	70	70	70
Hexachlorobutadiene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.60	<0.60	<0.6	<0.6		100	0.6
Naphthalene	ug/L	<5	<5	**1.1 J**	<5	<5	<5	<5	<5	<5	<5	<5	<5.0	<2.5	<2.5	<2.5	<2.5		100	140
1,2,3-Trichlorobenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
pH	S.U.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		6.5-8.3	
Total suspended solids (TSS)	mg/L	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		30	

Notes:

1. "<" denotes analyte was not detected at concentrations above the given quantitation limit.
2. Method 1 MCP Standards are taken from the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000.
3. MCLs are taken from the USEPA National Primary Drinking Water Regulations (Winter 2004).
4. All detected analytes are shown in bold type.
5. Compounds exceeding listed standards are shown in bold and shaded type.
6. "*" denotes test results evaluating system efficiency at 2 GPM
7. "**" denotes test results evaluating system efficiency at 4 GPM
8. "+" – pH measured by laboratory was 6.4; TRC confirmation using same methodology in field on 4/27/06 was 7.55
9. "^" = pH measured by laboratory was 6.2; TRC confirmation using same methodology in field on 6/16/06 was 7.03
10. "a" = split sample collected and submitted to Alpha Woods Hole Laboratory

B - Detected in associated laboratory method blank.
E - Estimated concentration; exceeds upper limit of calibration.
J - Estimated value.
- Not Analyzed

Table 1. Groundwater Treatment System - Groundwater Analytical Results
Former GE Facility, Wilmington, MA

	Location Name	GAC 2 Influent																NPDES Discharge Standard		Method 1 MCP
Analyte	Date	8/15/03	1/25/06	2/21/06	3/21/06	4/17/06	5/31/06	6/29/06	7/13/06	8/25/06	9/20/06	9/28/06	9/28/2006*	10/18/06	11/28/06	12/29/06	1/25/07	MCLs	Allowable Conc.	GW-1
Dichlorodifluoromethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<5.0	<5.0	<5.0	<5.0		100	
Chloromethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
Vinyl chloride	ug/L	<5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2.0	<1.0	<1.0	<1.0	<1.0	2	2	2
Bromomethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<1.0	<1.0	<1.0	<1.0		100	10
Chloroethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<1.0	<1.0	<1.0	<1.0		100	
Fluorotrichloromethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
1,1-Dichloroethene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	7	7	7
Acetone	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	**6.3 B**	<5.0	**1.9 J**	<5.0	<5.0		100	3000
Methyl iodide	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<5.0	<5.0	<5.0	<5.0		100	
Carbon disulfide	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<5.0	<5.0	<5.0	<5.0		100	
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.0	<5.0	<5.0	<5.0	<5.0	5	5	5
trans-1,2-Dichloroethene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.75	<0.75	<0.75	<0.75	100	100	100
Methyl tert-butyl ether	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.0	<1.0	<1.0	<1.0		100	
1,1-Dichloroethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.75	<0.75	<0.75	<0.75		70	70
Vinyl Acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<5.0	<5.0	<5.0		100	
2-Butanone (MEK)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<5.0	<5.0	<5.0	<5.0		100	4000
cis-1,2-Dichloroethene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	70	70	70
2,2-Dichloropropane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
Bromochloromethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
Chloroform	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.75	<0.75	<0.75	<0.75	80	80	5
1,1,1-Trichloroethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	200	100	200
1,1-Dichloropropene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
Carbon tetrachloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	5	5	5
1,2-Dichloroethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	5	5	5
Benzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	5	5	5
Trichloroethene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	**0.19 J**	<0.50	**0.20 J**	5	5	5
1,2-Dichloropropane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<1.8	<1.8	<1.8	<1.8	5	5	5
Dibromomethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<5.0	<5.0	<5.0	<5.0		100	
Bromodichloromethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	80	80	3
cis-1,3-Dichloropropene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50		100	0.5
4-Methyl-2-pentanone	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<5.0	<5.0	<5.0	<5.0		100	350
Toluene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.75	<0.75	<0.75	<0.75	1000	100	1000
trans-1,3-Dichloropropene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50		100	0.5
1,1,2-Trichloroethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.75	<0.75	<0.75	<0.75	5	5	5
1,3-Dichloropropane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
Tetrachloroethene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	**0.26 J**	<0.50	<0.50	5	5	5
2-Hexanone	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<5.0	<5.0	<5.0	<5.0		100	
Chlorodibromomethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	80	80	2
Ethylenedibromide	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.0	<2.0	<2.0	<2.0	0.05	0.05	0.02
Chlorobenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	100	100	100
1,1,1,2-Tetrachloroethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50		100	5
Ethylbenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	700	100	700
o-Xylene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<1.0	<1.0	<1.0	<1.0	10000	100	10000
m & p-Xylene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<4.0	<1.0	<1.0	<1.0	<1.0	10000	100	10000
Xylenes (total)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<1.0	<1.0	<1.0	<1.0	10000	100	10000
Styrene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<1.0	<1.0	<1.0	<1.0	100	100	100
Bromoform	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.0	<2.0	<2.0	<2.0	80	80	4
Isopropylbenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50		100	
1,1,2,2-Tetrachloroethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50		100	2
Bromobenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
1,2,3-Trichloropropane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<5.0	<5.0	<5.0	<5.0		100	
n-Propylbenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50		100	
2-Chlorotoluene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
1,3,5-Trimethylbenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
4-Chlorotoluene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
tert-Butylbenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
1,2,4-Trimethylbenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
sec-Butylbenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50		100	
p-Isopropyltoluene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50		100	
1,3-Dichlorobenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	40
1,4-Dichlorobenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5	75	75	5
n-Butylbenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50		100	
1,2-Dichlorobenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5	600	100	600
1,2-Dibromo-3-chloropropane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5	0.2	0.2	
1,2,4-Trichlorobenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5	70	70	70
Hexachlorobutadiene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.60	<0.60	<0.6	<0.6		100	0.6
Naphthalene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.0	<2.5	<2.5	<2.5	<2.5		100	140
1,2,3-Trichlorobenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
pH	S.U.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		6.5-8.3	
Total suspended solids (TSS)	mg/L	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		30	

Notes:
1. "<" denotes analyte was not detected at concentrations above the given quantitation limit.
2. Method 1 MCP Standards are taken from the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000.
3. MCLs are taken from the USEPA National Primary Drinking Water Regulations (Winter 2004).
4. All detected analytes are shown in bold type.
5. Compounds exceeding listed standards are shown in bold and shaded type.
6. "*" denotes test results evaluatmg system efficiency at 2 GPM
7. "**" denotes test results evaluating system efficiency at 4 GPM
8. "+" = pH measured by laboratory was 6.4; TRC confirmation using same methodology in field on 4/27/06 was 7.55
9. "^" = pH measured by laboratory was 6.2; TRC confirmation using same methodology in field on 6/16/06 was 7.03
10. "a" = split sample collected and submitted to Alpha Woods Hole Laboratory

B - Detected in associated laboratory method blank.
E - Estimated concentration; exceeds upper limit of calibration.
J - Estimated value.
- Not Analyzed

Table 1. Groundwater Treatment System - Groundwater Analytical Results
Former GE Facility, Wilmington, MA

	Location Name	Treated Effluent																NPDES Discharge Standard		Method 1 MCP
Analyte	Date	8/15/03	1/25/06	2/21/06	3/21/06	4/17/06	5/31/06	6/29/06	7/13/06	8/25/06	9/20/06	9/28/06	9/28/2006*	10/18/06	11/28/06	12/29/06	1/25/07	MCLs	Allowable Conc.	GW-1
Dichlorodifluoromethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<5.0	<5.0	<5.0	<5.0		100	
Chloromethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
Vinyl chloride	ug/L	<5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2.0	<1.0	<1.0	<1.0	<1.0	2	2	2
Bromomethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<1.0	<1.0	<1.0	<1.0		100	10
Chloroethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<1.0	<1.0	<1.0	<1.0		100	
Fluorotrichloromethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
1,1-Dichloroethene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	7	7	7
Acetone	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	**10**	<5.0	**1.6 J**	<5.0	<5.0		100	3000
Methyl iodide	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<5.0	<5.0	<5.0	<5.0		100	
Carbon disulfide	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<5.0	<5.0	<5.0	<5.0		100	
Methylene chloride	ug/L	<5	<5	<5	**1.9 J**	<5	<5	<5	<5	<5	<5	<5	<5.0	<5.0	<5.0	<5.0	<5.0	5	5	5
trans-1,2-Dichloroethene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.75	<0.75	<0.75	<0.75	100	100	100
Methyl tert-butyl ether	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.0	<1.0	<1.0	<1.0		100	
1,1-Dichloroethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.75	<0.75	<0.75	<0.75		70	70
Vinyl Acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<5.0	<5.0	<5.0		100	
2-Butanone (MEK)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<5.0	<5.0	<5.0	<5.0		100	4000
cis-1,2-Dichloroethene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	70	70	70
2,2-Dichloropropane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
Bromochloromethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
Chloroform	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.75	<0.75	<0.75	<0.75	80	80	5
1,1,1-Trichloroethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	200	100	200
1,1-Dichloropropene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
Carbon tetrachloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	5	5	5
1,2-Dichloroethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	5	5	5
Benzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	5	5	5
Trichloroethene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	5	5	5
1,2-Dichloropropane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<1.8	<1.8	<1.8	<1.8	5	5	5
Dibromomethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<5.0	<5.0	<5.0	<5.0		100	
Bromodichloromethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	80	80	3
cis-1,3-Dichloropropene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50		100	0.5
4-Methyl-2-pentanone	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<5.0	<5.0	<5.0	<5.0		100	350
Toluene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.75	<0.75	<0.75	<0.75	1000	100	1000
trans-1,3-Dichloropropene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50		100	0.5
1,1,2-Trichloroethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.75	<0.75	<0.75	<0.75	5	5	5
1,3-Dichloropropane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
Tetrachloroethene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	**2.4 J**	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	5	5	5
2-Hexanone	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<5.0	<5.0	<5.0	<5.0		100	
Chlorodibromomethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	80	80	2
Ethylenedibromide	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.0	<2.0	<2.0	<2.0	0.05	0.05	0.02
Chlorobenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	100	100	100
1,1,1,2-Tetrachloroethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50		100	5
Ethylbenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50	700	100	700
o-Xylene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	**1.5 J**	<5	<5	<2.0	<1.0	<1.0	<1.0	<1.0	10000	100	10000
m & p-Xylene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	**2.9 J**	<5	<5	<4.0	<1.0	<1.0	<1.0	<1.0	10000	100	10000
Xylenes (total)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	**4.4 J**	<5	<5	<2.0	<1.0	<1.0	<1.0	<1.0	10000	100	10000
Styrene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<1.0	<1.0	<1.0	<1.0	100	100	100
Bromoform	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.0	<2.0	<2.0	<2.0	80	80	4
Isopropylbenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50		100	
1,1,2,2-Tetrachloroethane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50		100	2
Bromobenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
1,2,3-Trichloropropane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<5.0	<5.0	<5.0	<5.0		100	
n-Propylbenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50		100	
2-Chlorotoluene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
1,3,5-Trimethylbenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
4-Chlorotoluene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
tert-Butylbenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
1,2,4-Trimethylbenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	**1.5 J**	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
sec-Butylbenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50		100	
p-Isopropyltoluene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50		100	
1,3-Dichlorobenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	40
1,4-Dichlorobenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5	75	75	5
n-Butylbenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.50	<0.50	<0.50	<0.50		100	
1,2-Dichlorobenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5	600	100	600
1,2-Dibromo-3-chloropropane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5	0.2	0.2	
1,2,4-Trichlorobenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5	70	70	70
Hexachlorobutadiene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<0.60	<0.6	<0.6	<0.6		100	0.6
Naphthalene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.0	<2.5	<2.5	<2.5	<2.5		100	140
1,2,3-Trichlorobenzene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.0	<2.5	<2.5	<2.5	<2.5		100	
pH	S.U.	6.7	7.1	7.0	7.4	6.4/7.55+	6.2/7.03^	7.34	7.23	7.28	6.85	-	-	7.4	7.38	7.3	7.49		6.5-8.3	
Total suspended solids (TSS)	mg/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	-	<20	<20	<20	<5		30	

Notes:

1. "<" denotes analyte was not detected at concentrations above the given quantitation limit.
2. Method 1 MCP Standards are taken from the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000.
3. MCLs are taken from the USEPA National Primary Drinking Water Regulations (Winter 2004).
4. All detected analytes are shown in bold type.
5. Compounds exceeding listed standards are shown in bold and shaded type.
6. "*" denotes test results evaluating system efficiency at 2 GPM
7. "**" denotes test results evaluating system efficiency at 4 GPM
8. "+" = pH measured by laboratory was 6.4; TRC confirmation using same methodology in field on 4/27/06 was 7.55
9. "^" = pH measured by laboratory was 6.2; TRC confirmation using same methodology in field on 6/16/06 was 7.03
10. "a" = split sample collected and submitted to Alpha Woods Hole Laboratory

B - Detected in associated laboratory method blank.
E - Estimated concentration; exceeds upper limit of calibration.
J - Estimated value.
- Not Analyzed

Attachment A

Laboratory Reports

Data Validation Report

All samples were submitted to Alpha Woods Hole Laboratory in Westborough, MA for analysis. Samples were analyzed for volatile organic compounds (VOCs) using SW-846 method 8260B and/or total suspended solids (TSS) using Standard Method (20th edition) 2540D. The samples included in this review are listed below. These samples were collected on January 25, 2007.

A/S Influent
GAC 1 Influent
GAC 2 Influent
Treated Effluent

TRC performed a limited validation of the VOC and TSS analytical data. The sample results were assessed using the *USEPA Contract Laboratory Program (CLP) National Functional Guidelines for Organic Data Review* (10/99) and the *USEPA Contract Laboratory Program (CLP) National Functional Guidelines for Inorganic Data Review* (7/02). Modification of the Functional Guidelines was done to accommodate the non-CLP methodologies used by the laboratory. Qualification of sample data was not performed.

The limited validation was based upon the following parameters: holding times, cooler temperatures, laboratory method blanks, trip blanks, surrogate spike recoveries, laboratory control sample (LCS) results, matrix spike/matrix spike duplicate (MS/MSD) results and an evaluation of sample quantitation limits. These parameters provide an adequate assessment of the data quality.

In general, the data appear to be valid as reported and may be used for decision-making purposes.

Accuracy

All samples were received with cooler temperatures within the method-specified range. All samples were analyzed within the method-specified holding times for VOCs and TSS.

TSS was not detected in the laboratory method blank. VOCs were not detected in the trip blank. Methylene chloride, chloroform, n-butylbenzene, and hexachlorobutadiene were detected in one or more laboratory method blanks. The positive result for methylene chloride in sample A/S Influent may be a false positive due to the blank contamination. Since the concentration of methylene chloride was below the project action limits in the Treated Effluent sample, data usability was not affected by this potential false positive in the A/S Influent sample. Data usability was not adversely affected by the remaining contaminants as these compounds were not detected in any samples in this data set.

All samples exhibited acceptable surrogate recoveries in the VOC analyses. The VOC LCS associated with this data set exhibited acceptable recoveries of all analytes with the exception of iodomethane which exhibited high recovery in one LCS. Since this compound was not detected

in any of the samples in this set, there was no adverse effect to the usability of the data as a result of the high bias.

The laboratory performed MS/MSD analyses on sample Treated Effluent. The recoveries of carbon tetrachloride, bromoform, 2,2-dichloropropane, 1,2-dibromo-3-chloropropane, and hexachlorobutadiene were slightly below the acceptance limits. Since these compounds are not contaminants of concern at this site and historically have never been detected in the Treated Effluent sample, the low bias most likely did not affect the overall usability of the data and the decision-making process.

Precision

The relative percent differences of all target compounds were within the acceptance criteria in the MS/MSD analyses performed on sample Treated Effluent, indicating overall acceptable analytical precision.

Quantitation Limits

Sample A/S Influent was analyzed at a 20-fold dilution due to the concentrations of trichloroethene and tetrachloroethene which would have exceeded the calibration range by a significant amount if not diluted. In addition, this sample was analyzed at a further 100-fold dilution due to the concentrations of trichloroethene and tetrachloroethene which exceeded the calibration range in the 20-fold diluted analysis. The results of both the 20-fold and 100-fold diluted analyses were combined in order to report the lowest possible quantitation limits and all results within the calibration range. Quantitation limits were elevated accordingly by the laboratory due to the 20-fold dilution.

No dilutions were performed for the VOC or TSS analyses of the Treated Effluent sample. The quantitation limits met the project action levels for the contaminants of concern.

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: TRC Environmental Corporation

Address: Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854

Attn: Mr. Ken Cormier

Project Number: E9209-9404-09400

Site: FORMER GE FACILITY

Laboratory Job Number: L0701245

Date Received: 25-JAN-2007

Date Reported: 01-FEB-2007

Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0701245-01	A/S INFLUENT	WILMINGTON, MA
L0701245-02	GAC1-INFLUENT	WILMINGTON, MA
L0701245-03	GAC2-INFLUENT	WILMINGTON, MA
L0701245-04	TREATED EFFLUENT	WILMINGTON, MA
L0701245-05	TRIP BLANK	WILMINGTON, MA

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: _____
Technical Director

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0701245

The samples were received in accordance with the chain of custody and no significant deviations were encountered during preparation or analysis unless otherwise noted below.

Total suspended Solids

The analytical batch is reported without a laboratory duplicate due to the limited sample volume available for analysis.

Volatile Organics

Re-analysis on dilution was required in order to quantitate samples within the range of the calibration. The result is reported as a greater than value for the compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound which exceeded the range of the calibration. The dilutions are as follows:

L0701245-01 (20x, 100x)

L0701245-02 was re-analyzed due to potential carry-over in the first analytical run. The results of the re-analysis is being reported.

The WG269170-1/2 MS/MSD % recoveries for 2,2-Dichloropropane, Carbon Tetrachloride, Bromoform, 1,2-Dibromo-3-Chloropropane and Hexachlorobutadiene, associated with sample L0701245-04, are below the acceptance criteria for the method.

The WG269170-3 LCS % recovery for Bromomethane is outside +/- 25% the Continuing Calibration method acceptance criteria (71%), but is within LCS QC acceptance criteria.

The WG269170-5 LCS % recovery for Iodomethane is outside +/- 25% the Continuing Calibration method acceptance criteria (+62%) and outside the LCS QC acceptance limits (162%).

The WG69170-7 LCS has a high recovery for Iodomethane.

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0701245-01
A/S INFLUENT
Sample Matrix: WATER

Date Collected: 25-JAN-2007 11:05
Date Received : 25-JAN-2007
Date Reported : 01-FEB-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260				1 8260B		0129 17:58	PD
Methylene chloride	12J	ug/l	100				
1,1-Dichloroethane	56	ug/l	15				
Chloroform	ND	ug/l	15				
Carbon tetrachloride	ND	ug/l	10.				
1,2-Dichloropropane	ND	ug/l	35.				
Dibromochloromethane	ND	ug/l	10.				
1,1,2-Trichloroethane	ND	ug/l	15.				
Tetrachloroethene	>2000	ug/l	10				
Chlorobenzene	ND	ug/l	10.				
Trichlorofluoromethane	ND	ug/l	50.				
1,2-Dichloroethane	ND	ug/l	10.				
1,1,1-Trichloroethane	ND	ug/l	10.				
Bromodichloromethane	ND	ug/l	10.				
trans-1,3-Dichloropropene	ND	ug/l	10.				
cis-1,3-Dichloropropene	ND	ug/l	10.				
1,1-Dichloropropene	ND	ug/l	50.				
Bromoform	ND	ug/l	40.				
1,1,2,2-Tetrachloroethane	ND	ug/l	10.				
Benzene	ND	ug/l	10.				
Toluene	ND	ug/l	15.				
Ethylbenzene	ND	ug/l	10.				
Chloromethane	ND	ug/l	50.				
Bromomethane	ND	ug/l	20.				
Vinyl chloride	ND	ug/l	20				
Chloroethane	ND	ug/l	20.				
1,1-Dichloroethene	12	ug/l	10				
trans-1,2-Dichloroethene	ND	ug/l	15				
Trichloroethene	>2000	ug/l	10				
1,2-Dichlorobenzene	ND	ug/l	50.				
1,3-Dichlorobenzene	ND	ug/l	50.				
1,4-Dichlorobenzene	ND	ug/l	50.				
Methyl tert butyl ether	ND	ug/l	20.				
p/m-Xylene	ND	ug/l	20.				
o-Xylene	ND	ug/l	20.				
cis-1,2-Dichloroethene	71	ug/l	10				
Dibromomethane	ND	ug/l	100				
Iodomethane	ND	ug/l	100				
1,2,3-Trichloropropane	ND	ug/l	100				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0701245-01
A/S INFLUENT

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 cont'd				1 8260B		0129 17:58	PD
Styrene	ND	ug/l	20.				
Dichlorodifluoromethane	ND	ug/l	100				
Acetone	ND	ug/l	100				
Carbon disulfide	ND	ug/l	100				
2-Butanone	ND	ug/l	100				
Vinyl acetate	ND	ug/l	100				
4-Methyl-2-pentanone	ND	ug/l	100				
2-Hexanone	ND	ug/l	100				
Bromochloromethane	ND	ug/l	50.				
2,2-Dichloropropane	ND	ug/l	50.				
1,2-Dibromoethane	ND	ug/l	40.				
1,3-Dichloropropane	ND	ug/l	50.				
1,1,1,2-Tetrachloroethane	ND	ug/l	10.				
Bromobenzene	ND	ug/l	50.				
n-Butylbenzene	ND	ug/l	10.				
sec-Butylbenzene	ND	ug/l	10.				
tert-Butylbenzene	ND	ug/l	50.				
o-Chlorotoluene	ND	ug/l	50.				
p-Chlorotoluene	ND	ug/l	50.				
1,2-Dibromo-3-chloropropane	ND	ug/l	50.				
Hexachlorobutadiene	ND	ug/l	12.				
Isopropylbenzene	ND	ug/l	10.				
p-Isopropyltoluene	ND	ug/l	10.				
Naphthalene	ND	ug/l	50.				
n-Propylbenzene	ND	ug/l	10.				
1,2,3-Trichlorobenzene	ND	ug/l	50.				
1,2,4-Trichlorobenzene	ND	ug/l	50.				
1,3,5-Trimethylbenzene	ND	ug/l	50.				
1,2,4-Trimethylbenzene	ND	ug/l	50.				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	106	%	70-130				
Toluene-d8	99.0	%	70-130				
4-Bromofluorobenzene	96.0	%	70-130				
Dibromofluoromethane	98.0	%	70-130				
Volatile Organics by GC/MS 8260				1 8260B		0131 11:32	PD
Tetrachloroethene	2800	ug/l	50				
Trichloroethene	3500	ug/l	50				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	112	%	70-130				
Toluene-d8	98.0	%	70-130				
4-Bromofluorobenzene	94.0	%	70-130				
Dibromofluoromethane	97.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0701245-02
GAC1-INFLUENT
Sample Matrix: WATER

Date Collected: 25-JAN-2007 11:10
Date Received : 25-JAN-2007
Date Reported : 01-FEB-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260				1 8260B		0201 13:08	PD
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	0.15J	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
Iodomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0701245-02
GAC1-INFLUENT

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 cont'd				1 8260B		0201 13:08	PD
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	112	%	70-130
Toluene-d8	101	%	70-130
4-Bromofluorobenzene	95.0	%	70-130
Dibromofluoromethane	100	%	70-130

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0701245-03
GAC2-INFLUENT
Sample Matrix: WATER

Date Collected: 25-JAN-2007 11:15
Date Received : 25-JAN-2007
Date Reported : 01-FEB-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260				1 8260B		0129 19:11	PD
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	0.2J	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
Iodomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0701245-03
GAC2-INFLUENT

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 cont'd				1 8260B		0129 19:11	PD
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	108	%	70-130
Toluene-d8	97.0	%	70-130
4-Bromofluorobenzene	96.0	%	70-130
Dibromofluoromethane	99.0	%	70-130

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0701245-04
TREATED EFFLUENT
Sample Matrix: WATER

Date Collected: 25-JAN-2007 11:00
Date Received : 25-JAN-2007
Date Reported : 01-FEB-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Solids, Total Suspended	ND	mg/l	5.0	30 2540D		0129 07:40	DW
Volatile Organics by GC/MS 8260				1 8260B		0129 19:48	PD
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0701245-04
TREATED EFFLUENT

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 cont'd				1 8260B		0129 19:48	PD
Iodomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	109	%	70-130
Toluene-d8	100	%	70-130
4-Bromofluorobenzene	97.0	%	70-130
Dibromofluoromethane	99.0	%	70-130

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0701245-05
TRIP BLANK
Sample Matrix: WATER

Date Collected: 26-DEC-2006 13:00
Date Received : 25-JAN-2007
Date Reported : 01-FEB-2007

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260				1 8260B		0129 20:24	PD
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
Iodomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0701245-05
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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 cont'd				1 8260B		0129 20:24	PD
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	108	%	70-130
Toluene-d8	99.0	%	70-130
4-Bromofluorobenzene	96.0	%	70-130
Dibromofluoromethane	98.0	%	70-130

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0701245

Parameter	% Recovery	QC Criteria
Volatile Organics by GC/MS 8260 LCS for sample(s) 01,03-05 (WG269170-3)		
Methylene chloride	114	70-130
1,1-Dichloroethane	112	70-130
Chloroform	103	70-130
Carbon tetrachloride	84	70-130
1,2-Dichloropropane	112	70-130
Dibromochloromethane	98	70-130
1,1,2-Trichloroethane	108	70-130
Tetrachloroethene	113	70-130
Chlorobenzene	111	75-130
Trichlorofluoromethane	113	70-130
1,2-Dichloroethane	114	70-130
1,1,1-Trichloroethane	95	70-130
Bromodichloromethane	102	70-130
trans-1,3-Dichloropropene	102	70-130
cis-1,3-Dichloropropene	108	70-130
1,1-Dichloropropene	109	70-130
Bromoform	89	70-130
1,1,2,2-Tetrachloroethane	99	70-130
Benzene	111	76-127
Toluene	111	76-125
Ethylbenzene	115	70-130
Chloromethane	90	70-130
Bromomethane	71	70-130
Vinyl chloride	98	70-130
Chloroethane	104	70-130
1,1-Dichloroethene	103	61-145
trans-1,2-Dichloroethene	102	70-130
Trichloroethene	108	71-120
1,2-Dichlorobenzene	107	70-130
1,3-Dichlorobenzene	110	70-130
1,4-Dichlorobenzene	110	70-130
Methyl tert butyl ether	108	70-130
p/m-Xylene	113	70-130
o-Xylene	116	70-130
cis-1,2-Dichloroethene	109	70-130
Dibromomethane	114	70-130
Iodomethane	108	70-130
1,2,3-Trichloropropane	108	70-130
Styrene	113	70-130
Dichlorodifluoromethane	110	70-130
Acetone	80	70-130
Carbon disulfide	112	70-130
2-Butanone	109	70-130
Vinyl acetate	100	70-130
4-Methyl-2-pentanone	118	70-130
2-Hexanone	112	70-130
Bromochloromethane	108	70-130
2,2-Dichloropropane	85	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0701245

Continued

Parameter	% Recovery	QC Criteria
Volatile Organics by GC/MS 8260 LCS for sample(s) 01,03-05 (WG269170-3)		
1,2-Dibromoethane	114	70-130
1,3-Dichloropropane	111	70-130
1,1,1,2-Tetrachloroethane	103	70-130
Bromobenzene	111	70-130
n-Butylbenzene	105	70-130
sec-Butylbenzene	107	70-130
tert-Butylbenzene	106	70-130
o-Chlorotoluene	108	70-130
p-Chlorotoluene	108	70-130
1,2-Dibromo-3-chloropropane	80	70-130
Hexachlorobutadiene	94	70-130
Isopropylbenzene	119	70-130
p-Isopropyltoluene	114	70-130
Naphthalene	103	70-130
n-Propylbenzene	108	70-130
1,2,3-Trichlorobenzene	110	70-130
1,2,4-Trichlorobenzene	107	70-130
1,3,5-Trimethylbenzene	112	70-130
1,2,4-Trimethylbenzene	106	70-130
Surrogate(s)		
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	94	70-130
Dibromofluoromethane	99	70-130
Volatile Organics by GC/MS 8260 LCS for sample(s) 01 (WG269170-5)		
Methylene chloride	98	70-130
1,1-Dichloroethane	112	70-130
Chloroform	103	70-130
Carbon tetrachloride	82	70-130
1,2-Dichloropropane	111	70-130
Dibromochloromethane	95	70-130
1,1,2-Trichloroethane	104	70-130
Tetrachloroethene	113	70-130
Chlorobenzene	111	75-130
Trichlorofluoromethane	111	70-130
1,2-Dichloroethane	116	70-130
1,1,1-Trichloroethane	97	70-130
Bromodichloromethane	102	70-130
trans-1,3-Dichloropropene	99	70-130
cis-1,3-Dichloropropene	107	70-130
1,1-Dichloropropene	109	70-130
Bromoform	89	70-130
1,1,2,2-Tetrachloroethane	93	70-130
Benzene	110	76-127
Toluene	108	76-125
Ethylbenzene	115	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0701245

Continued

Parameter	% Recovery	QC Criteria
Volatile Organics by GC/MS 8260 LCS for sample(s) 01 (WG269170-5)		
Chloromethane	90	70-130
Bromomethane	90	70-130
Vinyl chloride	99	70-130
Chloroethane	104	70-130
1,1-Dichloroethene	102	61-145
trans-1,2-Dichloroethene	102	70-130
Trichloroethene	109	71-120
1,2-Dichlorobenzene	106	70-130
1,3-Dichlorobenzene	109	70-130
1,4-Dichlorobenzene	110	70-130
Methyl tert butyl ether	98	70-130
p/m-Xylene	111	70-130
o-Xylene	112	70-130
cis-1,2-Dichloroethene	112	70-130
Dibromomethane	110	70-130
Iodomethane	162	70-130
1,2,3-Trichloropropane	105	70-130
Styrene	109	70-130
Dichlorodifluoromethane	95	70-130
Acetone	81	70-130
Carbon disulfide	89	70-130
2-Butanone	105	70-130
Vinyl acetate	97	70-130
4-Methyl-2-pentanone	109	70-130
2-Hexanone	106	70-130
Bromochloromethane	106	70-130
2,2-Dichloropropane	88	70-130
1,2-Dibromoethane	108	70-130
1,3-Dichloropropane	109	70-130
1,1,1,2-Tetrachloroethane	102	70-130
Bromobenzene	110	70-130
n-Butylbenzene	102	70-130
sec-Butylbenzene	104	70-130
tert-Butylbenzene	103	70-130
o-Chlorotoluene	106	70-130
p-Chlorotoluene	108	70-130
1,2-Dibromo-3-chloropropane	75	70-130
Hexachlorobutadiene	90	70-130
Isopropylbenzene	117	70-130
p-Isopropyltoluene	111	70-130
Naphthalene	99	70-130
n-Propylbenzene	106	70-130
1,2,3-Trichlorobenzene	107	70-130
1,2,4-Trichlorobenzene	106	70-130
1,3,5-Trimethylbenzene	110	70-130
1,2,4-Trimethylbenzene	105	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0701245

Continued

Parameter	% Recovery	QC Criteria
Volatile Organics by GC/MS 8260 LCS for sample(s) 01 (WG269170-5)		
Surrogate(s)		
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	95	70-130
Dibromofluoromethane	98	70-130
Volatile Organics by GC/MS 8260 LCS for sample(s) 02 (WG269170-7)		
Methylene chloride	96	70-130
1,1-Dichloroethane	107	70-130
Chloroform	97	70-130
Carbon tetrachloride	81	70-130
1,2-Dichloropropane	104	70-130
Dibromochloromethane	94	70-130
1,1,2-Trichloroethane	102	70-130
Tetrachloroethene	110	70-130
Chlorobenzene	106	75-130
Trichlorofluoromethane	107	70-130
1,2-Dichloroethane	110	70-130
1,1,1-Trichloroethane	93	70-130
Bromodichloromethane	95	70-130
trans-1,3-Dichloropropene	98	70-130
cis-1,3-Dichloropropene	100	70-130
1,1-Dichloropropene	104	70-130
Bromoform	85	70-130
1,1,2,2-Tetrachloroethane	92	70-130
Benzene	105	76-127
Toluene	106	76-125
Ethylbenzene	110	70-130
Chloromethane	101	70-130
Bromomethane	85	70-130
Vinyl chloride	108	70-130
Chloroethane	103	70-130
1,1-Dichloroethene	100	61-145
trans-1,2-Dichloroethene	96	70-130
Trichloroethene	103	71-120
1,2-Dichlorobenzene	101	70-130
1,3-Dichlorobenzene	105	70-130
1,4-Dichlorobenzene	103	70-130
Methyl tert butyl ether	92	70-130
p/m-Xylene	108	70-130
o-Xylene	107	70-130
cis-1,2-Dichloroethene	105	70-130
Dibromomethane	105	70-130
Iodomethane	137	70-130
1,2,3-Trichloropropane	103	70-130
Styrene	101	70-130
Dichlorodifluoromethane	120	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0701245

Continued

Parameter	% Recovery	QC Criteria
Volatile Organics by GC/MS 8260 LCS for sample(s) 02 (WG269170-7)		
Acetone	81	70-130
Carbon disulfide	80	70-130
2-Butanone	105	70-130
Vinyl acetate	98	70-130
4-Methyl-2-pentanone	105	70-130
2-Hexanone	107	70-130
Bromochloromethane	102	70-130
2,2-Dichloropropane	88	70-130
1,2-Dibromoethane	106	70-130
1,3-Dichloropropane	106	70-130
1,1,1,2-Tetrachloroethane	98	70-130
Bromobenzene	103	70-130
n-Butylbenzene	100	70-130
sec-Butylbenzene	101	70-130
tert-Butylbenzene	103	70-130
o-Chlorotoluene	102	70-130
p-Chlorotoluene	103	70-130
1,2-Dibromo-3-chloropropane	77	70-130
Hexachlorobutadiene	92	70-130
Isopropylbenzene	113	70-130
p-Isopropyltoluene	108	70-130
Naphthalene	99	70-130
n-Propylbenzene	103	70-130
1,2,3-Trichlorobenzene	104	70-130
1,2,4-Trichlorobenzene	106	70-130
1,3,5-Trimethylbenzene	106	70-130
1,2,4-Trimethylbenzene	101	70-130
Surrogate(s)		
1,2-Dichloroethane-d4	110	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	97	70-130
Dibromofluoromethane	99	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0701245

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
Volatile Organics by GC/MS 8260 for sample(s) 01-05 (L0701245-04, WG269170-2)					
Methylene chloride	78	72	8	20	70-130
1,1-Dichloroethane	91	84	8	20	70-130
Chloroform	81	76	6	20	70-130
Carbon tetrachloride	66	63	5	20	70-130
1,2-Dichloropropane	88	83	6	20	70-130
Dibromochloromethane	73	70	4	20	70-130
1,1,2-Trichloroethane	87	81	7	20	70-130
Tetrachloroethene	88	80	10	20	70-130
Chlorobenzene	87	81	7	20	75-130
Trichlorofluoromethane	93	81	14	20	70-130
1,2-Dichloroethane	94	89	5	20	70-130
1,1,1-Trichloroethane	76	72	5	20	70-130
Bromodichloromethane	77	76	1	20	70-130
trans-1,3-Dichloropropene	76	74	3	20	70-130
cis-1,3-Dichloropropene	79	77	3	20	70-130
1,1-Dichloropropene	87	78	11	20	70-130
Bromoform	66	66	0	20	70-130
1,1,2,2-Tetrachloroethane	76	74	3	20	70-130
Benzene	90	83	8	20	76-127
Toluene	87	80	8	20	76-125
Ethylbenzene	91	82	10	20	70-130
Chloromethane	73	71	3	20	70-130
Bromomethane	76	77	1	20	70-130
Vinyl chloride	85	77	10	20	70-130
Chloroethane	84	78	7	20	70-130
1,1-Dichloroethene	85	74	14	20	61-145
trans-1,2-Dichloroethene	79	74	7	20	70-130
Trichloroethene	86	78	10	20	71-120
1,2-Dichlorobenzene	81	78	4	20	70-130
1,3-Dichlorobenzene	83	78	6	20	70-130
1,4-Dichlorobenzene	83	78	6	20	70-130
Methyl tert butyl ether	82	87	6	20	70-130
p/m-Xylene	88	81	8	20	70-130
o-Xylene	91	83	9	20	70-130
cis-1,2-Dichloroethene	90	82	9	20	70-130
Dibromomethane	87	86	1	20	70-130
Iodomethane	100	93	7	20	70-130
1,2,3-Trichloropropane	85	81	5	20	70-130
Styrene	87	80	8	20	70-130
Dichlorodifluoromethane	84	74	13	20	70-130
Acetone	77	71	8	20	70-130
Carbon disulfide	77	70	10	20	70-130
2-Butanone	90	86	5	20	70-130
Vinyl acetate	82	79	4	20	70-130
4-Methyl-2-pentanone	87	82	6	20	70-130
2-Hexanone	91	85	7	20	70-130
Bromochloromethane	87	80	8	20	70-130
2,2-Dichloropropane	64	63	2	20	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0701245

Continued

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
Volatile Organics by GC/MS 8260 for sample(s) 01-05 (L0701245-04, WG269170-2)					
1,2-Dibromoethane	86	82	5	20	70-130
1,3-Dichloropropane	89	83	7	20	70-130
1,1,1,2-Tetrachloroethane	78	74	5	20	70-130
Bromobenzene	84	80	5	20	70-130
n-Butylbenzene	80	76	5	20	70-130
sec-Butylbenzene	83	78	6	20	70-130
tert-Butylbenzene	83	78	6	20	70-130
o-Chlorotoluene	83	77	8	20	70-130
p-Chlorotoluene	82	78	5	20	70-130
1,2-Dibromo-3-chloropropane	59	57	3	20	70-130
Hexachlorobutadiene	69	66	4	20	70-130
Isopropylbenzene	92	86	7	20	70-130
p-Isopropyltoluene	88	82	7	20	70-130
Naphthalene	76	73	4	20	70-130
n-Propylbenzene	83	78	6	20	70-130
1,2,3-Trichlorobenzene	83	78	6	20	70-130
1,2,4-Trichlorobenzene	80	76	5	20	70-130
1,3,5-Trimethylbenzene	86	81	6	20	70-130
1,2,4-Trimethylbenzene	81	77	5	20	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	107	106	1		70-130
Toluene-d8	99	99	0		70-130
4-Bromofluorobenzene	93	96	3		70-130
Dibromofluoromethane	100	98	2		70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0701245

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 04 (WG268856-1)							
Solids, Total Suspended	ND	mg/l	5.0	30 2540D		0129 07:40	DW
Blank Analysis for sample(s) 01,03-05 (WG269170-4)							
Volatile Organics by GC/MS 8260				1 8260B		0129 17:22	PD
Methylene chloride	0.58J	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	0.21J	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
Iodomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0701245

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01,03-05 (WG269170-4)							
Volatile Organics by GC/MS 8260 cont'd				1 8260B		0129 17:22	PD
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	0.23J	ug/l	0.60				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	105	%	70-130				
Toluene-d8	99.0	%	70-130				
4-Bromofluorobenzene	97.0	%	70-130				
Dibromofluoromethane	99.0	%	70-130				
Blank Analysis for sample(s) 01 (WG269170-6)							
Volatile Organics by GC/MS 8260				1 8260B		0131 09:41	PD
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0701245

Continued

Blank Analysis for sample(s) 01 (WG269170-6)

Volatile Organics by GC/MS 8260 cont'd — 1 8260B — 0131 09:41 PD

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
Iodomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0701245

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01 (WG269170-6)							
Volatile Organics by GC/MS 8260 cont'd				1 8260B		0131 09:41	PD
Hexachlorobutadiene	0.25J	ug/l	0.60				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	110	%	70-130				
Toluene-d8	98.0	%	70-130				
4-Bromofluorobenzene	95.0	%	70-130				
Dibromofluoromethane	101	%	70-130				
Blank Analysis for sample(s) 02 (WG269170-8)							
Volatile Organics by GC/MS 8260				1 8260B		0201 12:30	PD
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	0.29J	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0701245

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 02 (WG269170-8)							
Volatile Organics by GC/MS 8260 cont'd				1 8260B		0201 12:30 PD.	
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
Iodomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	0.11J	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	0.38J	ug/l	0.60				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	113	%	70-130
Toluene-d8	102	%	70-130
4-Bromofluorobenzene	95.0	%	70-130
Dibromofluoromethane	100	%	70-130

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30. Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

GLOSSARY OF TERMS AND SYMBOLS

REF	Reference number in which test method may be found.
METHOD	Method number by which analysis was performed.
ID	Initials of the analyst.
ND	Not detected in comparison to the reported detection limit.
NI	Not Ignitable.
J	Analyte concentration is below quantitation limit (RDL), but above the Method Detection Limit (MDL). Value is estimated.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA

WESTBORO, MA TEL. 508-898-9220 FAX: 508-898-9193

RAYNHAM, MA TEL 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 1/25

ALPHA Job #: L0701245

Client Information

Client: TRC

Address: 6510 Suffolk St. Lowell, Ma.

Phone: 978-6510-7044

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Former GE

Project Location: Wilmington, Ma.

Project #: E9209-9404-09400

Project Manager: Ken Cormier

ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 2/1 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

NPDES not MCP Methods

Samples on ice upon delivery

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS 8260	Vol TSS (SW-2540D)	SAMPLE HANDLING Filtration ☐ Done ☐ Not needed ☐ Lab to do Preservation ☐ Lab to do (Please specify below)	Sample Specific Comments	TOTAL # BOTTLES
1245.1	A/S Influent	1/25	11:05	Water	DG	✓				
2	GAC 1- Influent	"	11:10	"	DG	✓				
3	GAC 2- Influent	"	11:15	"	DG	✓				
4	Treated Effluent	"	11:00	"	DG	✓	✓			
5	Trip Blank	12/26				✓				

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type: VOA Plas.

Preservative: Y N

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	1/25/07 1315	[signature]	1.25.07 1311

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

FORM NO: 01-01 (rev. 16-OCT-05)