

ALPHA ANALYTICAL LABORATORIES

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

CERTIFICATE OF ANALYSIS

Client: ERM-New England Laboratory Job Number: L0404267
Address: 399 Boylston Street
6th Floor
Boston, MA 02116 Date Received: 26-APR-2004
Attn: Jeremy Picard Date Reported: 04-MAY-2004
Project Number: 13606.03.02 Delivery Method: Alpha
Site: RAYTHEON

The following questions pertain only to MCP Analytical Methods

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

- A. Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set? YES
- B. Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines? YES
- C. Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? YES
- D. **VPH and EPH methods only:** Was the VPH or EPH method run without significant modifications, as specified in Section 11.3? NA

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

- E. Were all QC performance standards and recommendations for the specified method(s) achieved? NO
- F. Were results for all analyte-list compounds/elements for the specified method(s) reported? YES

Any answers of NO to the above questions are addressed in the case narrative.

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: James Todaro
This document electronically signed

ALPHA ANALYTICAL LABORATORIES

Laboratory Job Number: L0404267
Date Reported: 04-MAY-2004

| ALPHA SAMPLE NUMBER | CLIENT IDENTIFICATION | SAMPLE LOCATION |
|---------------------|-----------------------|-----------------|
| L0404267-01 | MW-206S | WAYLAND, MA |
| L0404267-02 | MW-206M | WAYLAND, MA |
| L0404267-03 | MW-206D | WAYLAND, MA |
| L0404267-04 | MW-207S | WAYLAND, MA |
| L0404267-05 | MW-207M | WAYLAND, MA |
| L0404267-06 | MW-207D | WAYLAND, MA |
| L0404267-07 | TB | WAYLAND, MA |
| L0404267-08 | DUP-1 | WAYLAND, MA |
| L0404267-09 | MW-217S | WAYLAND, MA |
| L0404267-10 | MW-217M | WAYLAND, MA |
| L0404267-11 | MW-217D | WAYLAND, MA |
| L0404267-12 | MW-220S | WAYLAND, MA |
| L0404267-13 | MW-220M | WAYLAND, MA |
| L0404267-14 | MW-205S | WAYLAND, MA |
| L0404267-15 | MW-205M | WAYLAND, MA |
| L0404267-16 | MW-219D | WAYLAND, MA |

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0404267

Volatile Organics

L0404267-15 has elevated limits of detection due to the 4x dilutions required by the elevated concentrations of target compounds in the sample.

In reference to question E, the MS/MSD have low recoveries for Trichloroethene.

**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: L0404267-01 | Date Collected: 26-APR-2004 15:10 |
| MW-206S | Date Received : 26-APR-2004 |
| Sample Matrix: WATER | Date Reported : 04-MAY-2004 |
| Condition of Sample: Satisfactory | Field Prep: None |
| Number & Type of Containers: 2-Vial | |

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE PREP ANAL | ID |
|--------------------------------|--------|-------|------|------------|----------------------|----|
| Volatile Organics by MCP 8260B | | | | 54 8260B | 0430 20:23 | RY |
| 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 | | | |
| 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 | | | |
| Bromoform | ND | ug/l | 2.0 | | | |
| 1,1,2,2-Tetrachloroethane | ND | ug/l | 0.50 | | | |
| Benzene | ND | ug/l | 0.50 | | | |
| Chloromethane | ND | ug/l | 2.5 | | | |
| 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 | | | |
| cis-1,2-Dichloroethene | ND | ug/l | 0.50 | | | |
| Dichlorodifluoromethane | ND | ug/l | 5.0 | | | |
| 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 | | | |
| o-Chlorotoluene | ND | ug/l | 2.5 | | | |
| p-Chlorotoluene | ND | ug/l | 2.5 | | | |
| Hexachlorobutadiene | ND | ug/l | 1.0 | | | |
| 1,2,4-Trichlorobenzene | ND | ug/l | 2.5 | | | |

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0404267-01
 MW-206S

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE | | ID |
|--|----------|-------|-----|-------------|------------|------|----|
| | | | | | PREP | ANAL | |
| Volatile Organics by MCP 8260B continued | | | | 54 8260B | 0430 20:23 | | RY |
| Surrogate(s) | Recovery | | | QC Criteria | | | |
| 1,2-Dichloroethane-d4 | 109. | % | | 70-130 | | | |
| Toluene-d8 | 94.0 | % | | 70-130 | | | |
| 4-Bromofluorobenzene | 97.0 | % | | 70-130 | | | |
| Dibromofluoromethane | 109. | % | | 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: L0404267-02 | Date Collected: 26-APR-2004 14:00 |
| MW-206M | Date Received : 26-APR-2004 |
| Sample Matrix: WATER | Date Reported : 04-MAY-2004 |
| Condition of Sample: Satisfactory | Field Prep: None |
| Number & Type of Containers: 2-Vial | |

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE | | ID |
|--------------------------------|--------|-------|------|------------|------------|------|----|
| | | | | | PREP | ANAL | |
| Volatile Organics by MCP 8260B | | | | 54 8260B | 0430 20:58 | | RY |
| Methylene chloride | ND | ug/l | 5.0 | | | | |
| 1,1-Dichloroethane | 4.0 | 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 | | | | |
| 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 | | | | |
| Bromoform | ND | ug/l | 2.0 | | | | |
| 1,1,2,2-Tetrachloroethane | ND | ug/l | 0.50 | | | | |
| Benzene | ND | ug/l | 0.50 | | | | |
| Chloromethane | ND | ug/l | 2.5 | | | | |
| Vinyl chloride | ND | ug/l | 1.0 | | | | |
| Chloroethane | ND | ug/l | 1.0 | | | | |
| 1,1-Dichloroethene | 4.0 | ug/l | 0.50 | | | | |
| trans-1,2-Dichloroethene | ND | ug/l | 0.75 | | | | |
| Trichloroethene | 29. | 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 | 1.9 | ug/l | 1.0 | | | | |
| cis-1,2-Dichloroethene | 0.63 | ug/l | 0.50 | | | | |
| Dichlorodifluoromethane | ND | ug/l | 5.0 | | | | |
| 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 | | | | |
| o-Chlorotoluene | ND | ug/l | 2.5 | | | | |
| p-Chlorotoluene | ND | ug/l | 2.5 | | | | |
| Hexachlorobutadiene | ND | ug/l | 1.0 | | | | |
| 1,2,4-Trichlorobenzene | ND | ug/l | 2.5 | | | | |

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0404267-02
 MW-206M

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE | | ID |
|--|----------|-------|-----|-------------|---------------|------|----|
| | | | | | PREP | ANAL | |
| Volatile Organics by MCP 8260B continued | | | | 54 8260B | 0430 20:58 RY | | |
| Surrogate(s) | Recovery | | | QC Criteria | | | |
| 1,2-Dichloroethane-d4 | 107. | % | | 70-130 | | | |
| Toluene-d8 | 96.0 | % | | 70-130 | | | |
| 4-Bromofluorobenzene | 96.0 | % | | 70-130 | | | |
| Dibromofluoromethane | 110. | % | | 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: | L0404267-03 | Date Collected: | 26-APR-2004 13:00 |
| | MW-206D | Date Received : | 26-APR-2004 |
| Sample Matrix: | WATER | Date Reported : | 04-MAY-2004 |
| Condition of Sample: | Satisfactory | Field Prep: | None |
| Number & Type of Containers: | 2-Vial | | |

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE PREP ANAL | ID |
|--------------------------------|--------|-------|------|------------|----------------------|----|
| Volatile Organics by MCP 8260B | | | | 54 8260B | 0430 21:34 | RY |
| 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 | | | |
| 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 | | | |
| Bromoform | ND | ug/l | 2.0 | | | |
| 1,1,2,2-Tetrachloroethane | ND | ug/l | 0.50 | | | |
| Benzene | ND | ug/l | 0.50 | | | |
| Chloromethane | ND | ug/l | 2.5 | | | |
| 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 | 38. | 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 | | | |
| cis-1,2-Dichloroethene | 3.0 | ug/l | 0.50 | | | |
| Dichlorodifluoromethane | ND | ug/l | 5.0 | | | |
| 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 | | | |
| o-Chlorotoluene | ND | ug/l | 2.5 | | | |
| p-Chlorotoluene | ND | ug/l | 2.5 | | | |
| Hexachlorobutadiene | ND | ug/l | 1.0 | | | |
| 1,2,4-Trichlorobenzene | ND | ug/l | 2.5 | | | |

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0404267-03
 MW-206D

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE | | ID |
|--|----------|-------|-----|-------------|------------|------|----|
| | | | | | PREP | ANAL | |
| Volatile Organics by MCP 8260B continued | | | | 54 8260B | 0430 21:34 | | RY |
| Surrogate(s) | Recovery | | | QC Criteria | | | |
| 1,2-Dichloroethane-d4 | 107. | % | | 70-130 | | | |
| Toluene-d8 | 98.0 | % | | 70-130 | | | |
| 4-Bromofluorobenzene | 100. | % | | 70-130 | | | |
| Dibromofluoromethane | 110. | % | | 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: L0404267-04 | Date Collected: 26-APR-2004 14:40 |
| MW-207S | Date Received : 26-APR-2004 |
| Sample Matrix: WATER | Date Reported : 04-MAY-2004 |
| Condition of Sample: Satisfactory | Field Prep: None |
| Number & Type of Containers: 4-Vial | |

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE PREP ANAL | ID |
|--------------------------------|--------|-------|------|------------|-------------------|----|
| Volatile Organics by MCP 8260B | | | | 54 8260B | 0430 22:10 RY | |
| 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 | 1.6 | ug/l | 0.50 | | | |
| Chlorobenzene | ND | ug/l | 0.50 | | | |
| 1,2-Dichloroethane | ND | ug/l | 0.50 | | | |
| 1,1,1-Trichloroethane | 2.2 | 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 | | | |
| Bromoform | ND | ug/l | 2.0 | | | |
| 1,1,2,2-Tetrachloroethane | ND | ug/l | 0.50 | | | |
| Benzene | ND | ug/l | 0.50 | | | |
| Chloromethane | ND | ug/l | 2.5 | | | |
| 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 | 28. | 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 | 1.2 | ug/l | 1.0 | | | |
| cis-1,2-Dichloroethene | ND | ug/l | 0.50 | | | |
| Dichlorodifluoromethane | ND | ug/l | 5.0 | | | |
| 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 | | | |
| o-Chlorotoluene | ND | ug/l | 2.5 | | | |
| p-Chlorotoluene | ND | ug/l | 2.5 | | | |
| Hexachlorobutadiene | ND | ug/l | 1.0 | | | |
| 1,2,4-Trichlorobenzene | ND | ug/l | 2.5 | | | |

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0404267-04
MW-207S

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE | | ID |
|--|----------|-------|-----|-------------|------------|------|----|
| | | | | | PREP | ANAL | |
| Volatile Organics by MCP 8260B continued | | | | 54 8260B | 0430 22:10 | | RY |
| Surrogate(s) | Recovery | | | QC Criteria | | | |
| 1,2-Dichloroethane-d4 | 109. | % | | 70-130 | | | |
| Toluene-d8 | 97.0 | % | | 70-130 | | | |
| 4-Bromofluorobenzene | 96.0 | % | | 70-130 | | | |
| Dibromofluoromethane | 107. | % | | 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: | L0404267-05 | Date Collected: | 26-APR-2004 16:30 |
| | MW-207M | Date Received : | 26-APR-2004 |
| Sample Matrix: | WATER | Date Reported : | 04-MAY-2004 |
| Condition of Sample: | Satisfactory | Field Prep: | None |
| Number & Type of Containers: | 2-Vial | | |

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE PREP ANAL | ID |
|--------------------------------|--------|-------|------|------------|----------------------|----|
| Volatile Organics by MCP 8260B | | | | 54 8260B | 0430 23:56 RY | |
| Methylene chloride | ND | ug/l | 5.0 | | | |
| 1,1-Dichloroethane | 2.5 | 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 | | | |
| 1,2-Dichloroethane | ND | ug/l | 0.50 | | | |
| 1,1,1-Trichloroethane | 4.4 | 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 | | | |
| Bromoform | ND | ug/l | 2.0 | | | |
| 1,1,2,2-Tetrachloroethane | ND | ug/l | 0.50 | | | |
| Benzene | ND | ug/l | 0.50 | | | |
| Chloromethane | ND | ug/l | 2.5 | | | |
| Vinyl chloride | ND | ug/l | 1.0 | | | |
| Chloroethane | ND | ug/l | 1.0 | | | |
| 1,1-Dichloroethene | 5.8 | ug/l | 0.50 | | | |
| trans-1,2-Dichloroethene | ND | ug/l | 0.75 | | | |
| Trichloroethene | 120 | 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 | 1.3 | ug/l | 1.0 | | | |
| cis-1,2-Dichloroethene | 1.1 | ug/l | 0.50 | | | |
| Dichlorodifluoromethane | ND | ug/l | 5.0 | | | |
| 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 | | | |
| o-Chlorotoluene | ND | ug/l | 2.5 | | | |
| p-Chlorotoluene | ND | ug/l | 2.5 | | | |
| Hexachlorobutadiene | ND | ug/l | 1.0 | | | |
| 1,2,4-Trichlorobenzene | ND | ug/l | 2.5 | | | |

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0404267-05
 MW-207M

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE | | ID |
|--|----------|-------|-----|-------------|---------------|------|----|
| | | | | | PREP | ANAL | |
| Volatile Organics by MCP 8260B continued | | | | 54 8260B | 0430 23:56 RY | | |
| Surrogate(s) | Recovery | | | QC Criteria | | | |
| 1,2-Dichloroethane-d4 | 103. | % | | 70-130 | | | |
| Toluene-d8 | 97.0 | % | | 70-130 | | | |
| 4-Bromofluorobenzene | 99.0 | % | | 70-130 | | | |
| Dibromofluoromethane | 104. | % | | 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: L0404267-06 | Date Collected: 26-APR-2004 13:50 |
| MW-207D | Date Received : 26-APR-2004 |
| Sample Matrix: WATER | Date Reported : 04-MAY-2004 |
| Condition of Sample: Satisfactory | Field Prep: None |
| Number & Type of Containers: 2-Vial | |

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE PREP ANAL | ID |
|--------------------------------|--------|-------|------|------------|-------------------|----|
| Volatile Organics by MCP 8260B | | | | 54 8260B | 0501 23:39 RY | |
| 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 | | | |
| 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 | | | |
| Bromoform | ND | ug/l | 2.0 | | | |
| 1,1,2,2-Tetrachloroethane | ND | ug/l | 0.50 | | | |
| Benzene | ND | ug/l | 0.50 | | | |
| Chloromethane | ND | ug/l | 2.5 | | | |
| 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 | 1.0 | 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 | | | |
| cis-1,2-Dichloroethene | 0.90 | ug/l | 0.50 | | | |
| Dichlorodifluoromethane | ND | ug/l | 5.0 | | | |
| 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 | | | |
| o-Chlorotoluene | ND | ug/l | 2.5 | | | |
| p-Chlorotoluene | ND | ug/l | 2.5 | | | |
| Hexachlorobutadiene | ND | ug/l | 1.0 | | | |
| 1,2,4-Trichlorobenzene | ND | ug/l | 2.5 | | | |

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0404267-06
 MW-207D

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE | | ID |
|--|----------|-------|-----|-------------|---------------|------|----|
| | | | | | PREP | ANAL | |
| Volatile Organics by MCP 8260B continued | | | | 54 8260B | 0501 23:39 RY | | |
| Surrogate(s) | Recovery | | | QC Criteria | | | |
| 1,2-Dichloroethane-d4 | 104. | % | | 70-130 | | | |
| Toluene-d8 | 100. | % | | 70-130 | | | |
| 4-Bromofluorobenzene | 101. | % | | 70-130 | | | |
| Dibromofluoromethane | 107. | % | | 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: L0404267-07 | Date Collected: 19-FEB-2004 18:40 |
| Sample Matrix: TB | Date Received : 26-APR-2004 |
| Sample Matrix: WATER | Date Reported : 04-MAY-2004 |
| Condition of Sample: Satisfactory | Field Prep: None |
| Number & Type of Containers: 1-Vial | |

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE PREP ANAL | ID |
|--------------------------------|--------|-------|------|------------|-------------------|----|
| Volatile Organics by MCP 8260B | | | | 54 8260B | 0501 01:07 RY | |
| 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 | | | |
| 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 | | | |
| Bromoform | ND | ug/l | 2.0 | | | |
| 1,1,2,2-Tetrachloroethane | ND | ug/l | 0.50 | | | |
| Benzene | ND | ug/l | 0.50 | | | |
| Chloromethane | ND | ug/l | 2.5 | | | |
| 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 | | | |
| cis-1,2-Dichloroethene | ND | ug/l | 0.50 | | | |
| Dichlorodifluoromethane | ND | ug/l | 5.0 | | | |
| 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 | | | |
| o-Chlorotoluene | ND | ug/l | 2.5 | | | |
| p-Chlorotoluene | ND | ug/l | 2.5 | | | |
| Hexachlorobutadiene | ND | ug/l | 1.0 | | | |
| 1,2,4-Trichlorobenzene | ND | ug/l | 2.5 | | | |

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0404267-07
 TB

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE | | ID |
|--|----------|-------|-----|-------------|------------|------|----|
| | | | | | PREP | ANAL | |
| Volatile Organics by MCP 8260B continued | | | | 54 8260B | 0501 01:07 | | RY |
| Surrogate(s) | Recovery | | | QC Criteria | | | |
| 1,2-Dichloroethane-d4 | 108. | % | | 70-130 | | | |
| Toluene-d8 | 94.0 | % | | 70-130 | | | |
| 4-Bromofluorobenzene | 97.0 | % | | 70-130 | | | |
| Dibromofluoromethane | 108. | % | | 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: | L0404267-08 | Date Collected: | 26-APR-2004 00:00 |
| | DUP-1 | Date Received : | 26-APR-2004 |
| Sample Matrix: | WATER | Date Reported : | 04-MAY-2004 |
| Condition of Sample: | Satisfactory | Field Prep: | None |
| Number & Type of Containers: | 2-Vial | | |

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE PREP ANAL | ID |
|--------------------------------|--------|-------|------|------------|----------------------|----|
| Volatile Organics by MCP 8260B | | | | 54 8260B | 0501 01:43 | RY |
| Methylene chloride | ND | ug/l | 5.0 | | | |
| 1,1-Dichloroethane | 3.9 | 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 | | | |
| 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 | | | |
| Bromoform | ND | ug/l | 2.0 | | | |
| 1,1,2,2-Tetrachloroethane | ND | ug/l | 0.50 | | | |
| Benzene | ND | ug/l | 0.50 | | | |
| Chloromethane | ND | ug/l | 2.5 | | | |
| Vinyl chloride | ND | ug/l | 1.0 | | | |
| Chloroethane | ND | ug/l | 1.0 | | | |
| 1,1-Dichloroethene | 4.1 | ug/l | 0.50 | | | |
| trans-1,2-Dichloroethene | ND | ug/l | 0.75 | | | |
| Trichloroethene | 28. | 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 | 1.8 | ug/l | 1.0 | | | |
| cis-1,2-Dichloroethene | 0.64 | ug/l | 0.50 | | | |
| Dichlorodifluoromethane | ND | ug/l | 5.0 | | | |
| 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 | | | |
| o-Chlorotoluene | ND | ug/l | 2.5 | | | |
| p-Chlorotoluene | ND | ug/l | 2.5 | | | |
| Hexachlorobutadiene | ND | ug/l | 1.0 | | | |
| 1,2,4-Trichlorobenzene | ND | ug/l | 2.5 | | | |

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0404267-08
 DUP-1

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE | | ID |
|--|----------|-------|-----|-------------|------------|------|----|
| | | | | | PREP | ANAL | |
| Volatile Organics by MCP 8260B continued | | | | 54 8260B | 0501 01:43 | | RY |
| Surrogate(s) | Recovery | | | QC Criteria | | | |
| 1,2-Dichloroethane-d4 | 104. | % | | 70-130 | | | |
| Toluene-d8 | 98.0 | % | | 70-130 | | | |
| 4-Bromofluorobenzene | 96.0 | % | | 70-130 | | | |
| Dibromofluoromethane | 109. | % | | 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: | L0404267-09 | Date Collected: | 26-APR-2004 15:50 |
| | MW-217S | Date Received : | 26-APR-2004 |
| Sample Matrix: | WATER | Date Reported : | 04-MAY-2004 |
| Condition of Sample: | Satisfactory | Field Prep: | None |
| Number & Type of Containers: | 2-Vial | | |

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE PREP ANAL | ID |
|--------------------------------|--------|-------|------|------------|----------------------|----|
| Volatile Organics by MCP 8260B | | | | 54 8260B | 0501 02:18 | RY |
| 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 | | | |
| 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 | | | |
| Bromoform | ND | ug/l | 2.0 | | | |
| 1,1,2,2-Tetrachloroethane | ND | ug/l | 0.50 | | | |
| Benzene | ND | ug/l | 0.50 | | | |
| Chloromethane | ND | ug/l | 2.5 | | | |
| 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 | 1.7 | ug/l | 1.0 | | | |
| cis-1,2-Dichloroethene | ND | ug/l | 0.50 | | | |
| Dichlorodifluoromethane | ND | ug/l | 5.0 | | | |
| 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 | | | |
| o-Chlorotoluene | ND | ug/l | 2.5 | | | |
| p-Chlorotoluene | ND | ug/l | 2.5 | | | |
| Hexachlorobutadiene | ND | ug/l | 1.0 | | | |
| 1,2,4-Trichlorobenzene | ND | ug/l | 2.5 | | | |

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0404267-09
 MW-217S

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE | | ID |
|--|----------|-------|-----|-------------|---------------|------|----|
| | | | | | PREP | ANAL | |
| Volatile Organics by MCP 8260B continued | | | | 54 8260B | 0501 02:18 RY | | |
| Surrogate(s) | Recovery | | | QC Criteria | | | |
| 1,2-Dichloroethane-d4 | 107. | % | | 70-130 | | | |
| Toluene-d8 | 94.0 | % | | 70-130 | | | |
| 4-Bromofluorobenzene | 98.0 | % | | 70-130 | | | |
| Dibromofluoromethane | 108. | % | | 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: L0404267-10 Date Collected: 26-APR-2004 14:55
 MW-217M Date Received : 26-APR-2004
 Sample Matrix: WATER Date Reported : 04-MAY-2004

Condition of Sample: Satisfactory Field Prep: None

Number & Type of Containers: 2-Vial

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE | | ID |
|--------------------------------|--------|-------|------|------------|------|------------|----|
| | | | | | PREP | ANAL | |
| Volatile Organics by MCP 8260B | | | | 54 8260B | | 0501 14:09 | RY |
| Methylene chloride | ND | ug/l | 5.0 | | | | |
| 1,1-Dichloroethane | 3.7 | 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 | 3.0 | ug/l | 0.50 | | | | |
| 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 | | | | |
| Bromoform | ND | ug/l | 2.0 | | | | |
| 1,1,2,2-Tetrachloroethane | ND | ug/l | 0.50 | | | | |
| Benzene | ND | ug/l | 0.50 | | | | |
| Chloromethane | ND | ug/l | 2.5 | | | | |
| Vinyl chloride | ND | ug/l | 1.0 | | | | |
| Chloroethane | ND | ug/l | 1.0 | | | | |
| 1,1-Dichloroethene | 0.87 | ug/l | 0.50 | | | | |
| trans-1,2-Dichloroethene | ND | ug/l | 0.75 | | | | |
| Trichloroethene | 8.6 | 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 | 20. | ug/l | 1.0 | | | | |
| cis-1,2-Dichloroethene | 0.70 | ug/l | 0.50 | | | | |
| Dichlorodifluoromethane | ND | ug/l | 5.0 | | | | |
| 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 | | | | |
| o-Chlorotoluene | ND | ug/l | 2.5 | | | | |
| p-Chlorotoluene | ND | ug/l | 2.5 | | | | |
| Hexachlorobutadiene | ND | ug/l | 1.0 | | | | |
| 1,2,4-Trichlorobenzene | ND | ug/l | 2.5 | | | | |

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0404267-10
 MW-217M

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE | | ID |
|--|----------|-------|-----|-------------|------------|------|----|
| | | | | | PREP | ANAL | |
| Volatile Organics by MCP 8260B continued | | | | 54 8260B | 0501 14:09 | | RY |
| Surrogate(s) | Recovery | | | QC Criteria | | | |
| 1,2-Dichloroethane-d4 | 104. | % | | 70-130 | | | |
| Toluene-d8 | 103. | % | | 70-130 | | | |
| 4-Bromofluorobenzene | 100. | % | | 70-130 | | | |
| Dibromofluoromethane | 102. | % | | 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: L0404267-11 | Date Collected: 26-APR-2004 14:01 |
| MW-217D | Date Received : 26-APR-2004 |
| Sample Matrix: WATER | Date Reported : 04-MAY-2004 |
| Condition of Sample: Satisfactory | Field Prep: None |
| Number & Type of Containers: 2-Vial | |

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE PREP ANAL | ID |
|--------------------------------|--------|-------|------|------------|-------------------|----|
| Volatile Organics by MCP 8260B | | | | 54 8260B | 0501 14:45 | RY |
| 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 | | | |
| 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 | | | |
| Bromoform | ND | ug/l | 2.0 | | | |
| 1,1,2,2-Tetrachloroethane | ND | ug/l | 0.50 | | | |
| Benzene | ND | ug/l | 0.50 | | | |
| Chloromethane | ND | ug/l | 2.5 | | | |
| 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 | 1.4 | 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 | | | |
| cis-1,2-Dichloroethene | ND | ug/l | 0.50 | | | |
| Dichlorodifluoromethane | ND | ug/l | 5.0 | | | |
| 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 | | | |
| o-Chlorotoluene | ND | ug/l | 2.5 | | | |
| p-Chlorotoluene | ND | ug/l | 2.5 | | | |
| Hexachlorobutadiene | ND | ug/l | 1.0 | | | |
| 1,2,4-Trichlorobenzene | ND | ug/l | 2.5 | | | |

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0404267-11
MW-217D

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE | | ID |
|--|----------|-------|-----|-------------|---------------|------|----|
| | | | | | PREP | ANAL | |
| Volatile Organics by MCP 8260B continued | | | | 54 8260B | 0501 14:45 RY | | |
| Surrogate(s) | Recovery | | | QC Criteria | | | |
| 1,2-Dichloroethane-d4 | 107. | % | | 70-130 | | | |
| Toluene-d8 | 100. | % | | 70-130 | | | |
| 4-Bromofluorobenzene | 104. | % | | 70-130 | | | |
| Dibromofluoromethane | 107. | % | | 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: L0404267-12 | Date Collected: 26-APR-2004 13:40 |
| MW-220S | Date Received : 26-APR-2004 |
| Sample Matrix: WATER | Date Reported : 04-MAY-2004 |
| Condition of Sample: Satisfactory | Field Prep: None |

Number & Type of Containers: 2-Vial

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE PREP ANAL | ID |
|--------------------------------|--------|-------|------|------------|-------------------|----|
| Volatile Organics by MCP 8260B | | | | 54 8260B | 0501 15:20 | RY |
| 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 | | | |
| 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 | | | |
| Bromoform | ND | ug/l | 2.0 | | | |
| 1,1,2,2-Tetrachloroethane | ND | ug/l | 0.50 | | | |
| Benzene | ND | ug/l | 0.50 | | | |
| Chloromethane | ND | ug/l | 2.5 | | | |
| 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 | | | |
| cis-1,2-Dichloroethene | ND | ug/l | 0.50 | | | |
| Dichlorodifluoromethane | ND | ug/l | 5.0 | | | |
| 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 | | | |
| o-Chlorotoluene | ND | ug/l | 2.5 | | | |
| p-Chlorotoluene | ND | ug/l | 2.5 | | | |
| Hexachlorobutadiene | ND | ug/l | 1.0 | | | |
| 1,2,4-Trichlorobenzene | ND | ug/l | 2.5 | | | |

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0404267-12
 MW-220S

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE | | ID |
|--|----------|-------|-----|-------------|------------|------|----|
| | | | | | PREP | ANAL | |
| Volatile Organics by MCP 8260B continued | | | | 54 8260B | 0501 15:20 | | RY |
| Surrogate(s) | Recovery | | | QC Criteria | | | |
| 1,2-Dichloroethane-d4 | 108. | % | | 70-130 | | | |
| Toluene-d8 | 100. | % | | 70-130 | | | |
| 4-Bromofluorobenzene | 103. | % | | 70-130 | | | |
| Dibromofluoromethane | 109. | % | | 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: L0404267-13 | Date Collected: 26-APR-2004 12:10 |
| MW-220M | Date Received : 26-APR-2004 |
| Sample Matrix: WATER | Date Reported : 04-MAY-2004 |
| Condition of Sample: Satisfactory | Field Prep: None |

Number & Type of Containers: 2-Vial

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE PREP ANAL | ID |
|--------------------------------|--------|-------|------|------------|-------------------|----|
| Volatile Organics by MCP 8260B | | | | 54 8260B | 0501 15:56 RY | |
| 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 | | | |
| 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 | | | |
| Bromoform | ND | ug/l | 2.0 | | | |
| 1,1,2,2-Tetrachloroethane | ND | ug/l | 0.50 | | | |
| Benzene | ND | ug/l | 0.50 | | | |
| Chloromethane | ND | ug/l | 2.5 | | | |
| 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 | | | |
| cis-1,2-Dichloroethene | ND | ug/l | 0.50 | | | |
| Dichlorodifluoromethane | ND | ug/l | 5.0 | | | |
| 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 | | | |
| o-Chlorotoluene | ND | ug/l | 2.5 | | | |
| p-Chlorotoluene | ND | ug/l | 2.5 | | | |
| Hexachlorobutadiene | ND | ug/l | 1.0 | | | |
| 1,2,4-Trichlorobenzene | ND | ug/l | 2.5 | | | |

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0404267-13
 MW-220M

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE | | ID |
|--|----------|-------|-----|-------------|---------------|------|----|
| | | | | | PREP | ANAL | |
| Volatile Organics by MCP 8260B continued | | | | 54 8260B | 0501 15:56 RY | | |
| Surrogate(s) | Recovery | | | QC Criteria | | | |
| 1,2-Dichloroethane-d4 | 106. | % | | 70-130 | | | |
| Toluene-d8 | 99.0 | % | | 70-130 | | | |
| 4-Bromofluorobenzene | 107. | % | | 70-130 | | | |
| Dibromofluoromethane | 105. | % | | 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: L0404267-14 | Date Collected: 26-APR-2004 15:15 |
| MW-205S | Date Received : 26-APR-2004 |
| Sample Matrix: WATER | Date Reported : 04-MAY-2004 |
| Condition of Sample: Satisfactory | Field Prep: None |
| Number & Type of Containers: 2-Vial | |

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE PREP ANAL | ID |
|--------------------------------|--------|-------|------|------------|-----------------------|----|
| Volatile Organics by MCP 8260B | | | | 54 8260B | 0501 16:31 | RY |
| 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 | 1.1 | ug/l | 0.50 | | | |
| Chlorobenzene | ND | ug/l | 0.50 | | | |
| 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 | | | |
| Bromoform | ND | ug/l | 2.0 | | | |
| 1,1,2,2-Tetrachloroethane | ND | ug/l | 0.50 | | | |
| Benzene | ND | ug/l | 0.50 | | | |
| Chloromethane | ND | ug/l | 2.5 | | | |
| 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 | | | |
| cis-1,2-Dichloroethene | ND | ug/l | 0.50 | | | |
| Dichlorodifluoromethane | ND | ug/l | 5.0 | | | |
| 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 | | | |
| o-Chlorotoluene | ND | ug/l | 2.5 | | | |
| p-Chlorotoluene | ND | ug/l | 2.5 | | | |
| Hexachlorobutadiene | ND | ug/l | 1.0 | | | |
| 1,2,4-Trichlorobenzene | ND | ug/l | 2.5 | | | |

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0404267-14
MW-205S

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE | | ID |
|--|----------|-------|-----|-------------|------------|------|----|
| | | | | | PREP | ANAL | |
| Volatile Organics by MCP 8260B continued | | | | 54 8260B | 0501 16:31 | | RY |
| Surrogate(s) | Recovery | | | QC Criteria | | | |
| 1,2-Dichloroethane-d4 | 107. | % | | 70-130 | | | |
| Toluene-d8 | 100. | % | | 70-130 | | | |
| 4-Bromofluorobenzene | 102. | % | | 70-130 | | | |
| Dibromofluoromethane | 107. | % | | 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: L0404267-15 | Date Collected: 26-APR-2004 14:44 |
| MW-205M | Date Received : 26-APR-2004 |
| Sample Matrix: WATER | Date Reported : 04-MAY-2004 |
| Condition of Sample: Satisfactory | Field Prep: None |
| Number & Type of Containers: 2-Vial | |

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE PREP ANAL | ID |
|--------------------------------|--------|-------|-----|------------|-------------------|----|
| Volatile Organics by MCP 8260B | | | | 54 8260B | 0501 17:42 RY | |
| Methylene chloride | ND | ug/l | 20. | | | |
| 1,1-Dichloroethane | ND | ug/l | 3.0 | | | |
| Chloroform | ND | ug/l | 3.0 | | | |
| Carbon tetrachloride | ND | ug/l | 2.0 | | | |
| 1,2-Dichloropropane | ND | ug/l | 7.0 | | | |
| Dibromochloromethane | ND | ug/l | 2.0 | | | |
| 1,1,2-Trichloroethane | ND | ug/l | 3.0 | | | |
| Tetrachloroethene | ND | ug/l | 2.0 | | | |
| Chlorobenzene | ND | ug/l | 2.0 | | | |
| 1,2-Dichloroethane | ND | ug/l | 2.0 | | | |
| 1,1,1-Trichloroethane | 3.5 | ug/l | 2.0 | | | |
| Bromodichloromethane | ND | ug/l | 2.0 | | | |
| trans-1,3-Dichloropropene | ND | ug/l | 2.0 | | | |
| cis-1,3-Dichloropropene | ND | ug/l | 2.0 | | | |
| Bromoform | ND | ug/l | 8.0 | | | |
| 1,1,2,2-Tetrachloroethane | ND | ug/l | 2.0 | | | |
| Benzene | ND | ug/l | 2.0 | | | |
| Chloromethane | ND | ug/l | 10. | | | |
| Vinyl chloride | ND | ug/l | 4.0 | | | |
| Chloroethane | ND | ug/l | 4.0 | | | |
| 1,1-Dichloroethene | ND | ug/l | 2.0 | | | |
| trans-1,2-Dichloroethene | ND | ug/l | 3.0 | | | |
| Trichloroethene | 19. | ug/l | 2.0 | | | |
| 1,2-Dichlorobenzene | ND | ug/l | 10. | | | |
| 1,3-Dichlorobenzene | ND | ug/l | 10. | | | |
| 1,4-Dichlorobenzene | ND | ug/l | 10. | | | |
| Methyl tert butyl ether | 280 | ug/l | 4.0 | | | |
| cis-1,2-Dichloroethene | ND | ug/l | 2.0 | | | |
| Dichlorodifluoromethane | ND | ug/l | 20. | | | |
| 1,2-Dibromoethane | ND | ug/l | 8.0 | | | |
| 1,3-Dichloropropane | ND | ug/l | 10. | | | |
| 1,1,1,2-Tetrachloroethane | ND | ug/l | 2.0 | | | |
| o-Chlorotoluene | ND | ug/l | 10. | | | |
| p-Chlorotoluene | ND | ug/l | 10. | | | |
| Hexachlorobutadiene | ND | ug/l | 4.0 | | | |
| 1,2,4-Trichlorobenzene | ND | ug/l | 10. | | | |

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0404267-15
 MW-205M

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE | | ID |
|--|----------|-------|-----|-------------|---------------|------|----|
| | | | | | PREP | ANAL | |
| Volatile Organics by MCP 8260B continued | | | | 54 8260B | 0501 17:42 RY | | |
| Surrogate(s) | Recovery | | | QC Criteria | | | |
| 1,2-Dichloroethane-d4 | 109. | % | | 70-130 | | | |
| Toluene-d8 | 106. | % | | 70-130 | | | |
| 4-Bromofluorobenzene | 104. | % | | 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: L0404267-16 | Date Collected: 26-APR-2004 15:05 |
| MW-219D | Date Received : 26-APR-2004 |
| Sample Matrix: WATER | Date Reported : 04-MAY-2004 |
| Condition of Sample: Satisfactory | Field Prep: None |
| Number & Type of Containers: 2-Vial | |

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE PREP ANAL | ID |
|--------------------------------|--------|-------|------|------------|-------------------|----|
| Volatile Organics by MCP 8260B | | | | 54 8260B | 0501 17:07 RY | |
| 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 | | | |
| 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 | | | |
| Bromoform | ND | ug/l | 2.0 | | | |
| 1,1,2,2-Tetrachloroethane | ND | ug/l | 0.50 | | | |
| Benzene | ND | ug/l | 0.50 | | | |
| Chloromethane | ND | ug/l | 2.5 | | | |
| 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 | 4.7 | 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 | | | |
| cis-1,2-Dichloroethene | ND | ug/l | 0.50 | | | |
| Dichlorodifluoromethane | ND | ug/l | 5.0 | | | |
| 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 | | | |
| o-Chlorotoluene | ND | ug/l | 2.5 | | | |
| p-Chlorotoluene | ND | ug/l | 2.5 | | | |
| Hexachlorobutadiene | ND | ug/l | 1.0 | | | |
| 1,2,4-Trichlorobenzene | ND | ug/l | 2.5 | | | |

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0404267-16
MW-219D

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE | | ID |
|--|----------|-------|-----|-------------|---------------|------|----|
| | | | | | PREP | ANAL | |
| Volatile Organics by MCP 8260B continued | | | | 54 8260B | 0501 17:07 RY | | |
| Surrogate(s) | Recovery | | | QC Criteria | | | |
| 1,2-Dichloroethane-d4 | 110. | % | | 70-130 | | | |
| Toluene-d8 | 101. | % | | 70-130 | | | |
| 4-Bromofluorobenzene | 103. | % | | 70-130 | | | |
| Dibromofluoromethane | 110. | % | | 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: L0404267

| Parameter | % Recovery | QC Criteria |
|---|------------|-------------|
| Volatile Organics by MCP 8260B LCS for sample(s) 01-05,07-09 (WG169484) | | |
| Methylene chloride | 100 | 70-130 |
| 1,1-Dichloroethane | 108 | 70-130 |
| Chloroform | 102 | 70-130 |
| Carbon tetrachloride | 109 | 70-130 |
| 1,2-Dichloropropane | 102 | 70-130 |
| Dibromochloromethane | 93 | 70-130 |
| 1,1,2-Trichloroethane | 96 | 70-130 |
| Tetrachloroethene | 102 | 70-130 |
| Chlorobenzene | 102 | 70-130 |
| 1,2-Dichloroethane | 99 | 70-130 |
| 1,1,1-Trichloroethane | 104 | 70-130 |
| Bromodichloromethane | 102 | 70-130 |
| trans-1,3-Dichloropropene | 87 | 70-130 |
| cis-1,3-Dichloropropene | 88 | 70-130 |
| Bromoform | 94 | 70-130 |
| 1,1,2,2-Tetrachloroethane | 91 | 70-130 |
| Benzene | 107 | 70-130 |
| Chloromethane | 104 | 70-130 |
| Vinyl chloride | 102 | 70-130 |
| Chloroethane | 100 | 70-130 |
| 1,1-Dichloroethene | 87 | 70-130 |
| trans-1,2-Dichloroethene | 99 | 70-130 |
| Trichloroethene | 97 | 70-130 |
| 1,2-Dichlorobenzene | 98 | 70-130 |
| 1,3-Dichlorobenzene | 103 | 70-130 |
| 1,4-Dichlorobenzene | 100 | 70-130 |
| Methyl tert butyl ether | 90 | 70-130 |
| cis-1,2-Dichloroethene | 105 | 70-130 |
| Dichlorodifluoromethane | 92 | 70-130 |
| 1,2-Dibromoethane | 87 | 70-130 |
| 1,3-Dichloropropane | 96 | 70-130 |
| 1,1,1,2-Tetrachloroethane | 101 | 70-130 |
| o-Chlorotoluene | 109 | 70-130 |
| p-Chlorotoluene | 106 | 70-130 |
| Hexachlorobutadiene | 94 | 70-130 |
| 1,2,4-Trichlorobenzene | 75 | 70-130 |
| Surrogate(s) | | |
| 1,2-Dichloroethane-d4 | 100 | 70-130 |
| Toluene-d8 | 98 | 70-130 |
| 4-Bromofluorobenzene | 95 | 70-130 |
| Dibromofluoromethane | 99 | 70-130 |
| Volatile Organics by MCP 8260B LCS for sample(s) 06,10-16 (WG169484) | | |
| Methylene chloride | 100 | 70-130 |
| 1,1-Dichloroethane | 106 | 70-130 |
| Chloroform | 100 | 70-130 |
| Carbon tetrachloride | 109 | 70-130 |

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0404267

Continued

| Parameter | % Recovery | QC Criteria |
|--|------------|-------------|
| Volatile Organics by MCP 8260B LCS for sample(s) 06,10-16 (WG169484) | | |
| 1,2-Dichloropropane | 102 | 70-130 |
| Dibromochloromethane | 101 | 70-130 |
| 1,1,2-Trichloroethane | 105 | 70-130 |
| Tetrachloroethene | 110 | 70-130 |
| Chlorobenzene | 110 | 70-130 |
| 1,2-Dichloroethane | 96 | 70-130 |
| 1,1,1-Trichloroethane | 105 | 70-130 |
| Bromodichloromethane | 104 | 70-130 |
| trans-1,3-Dichloropropene | 94 | 70-130 |
| cis-1,3-Dichloropropene | 88 | 70-130 |
| Bromoform | 102 | 70-130 |
| 1,1,2,2-Tetrachloroethane | 100 | 70-130 |
| Benzene | 106 | 70-130 |
| Chloromethane | 98 | 70-130 |
| Vinyl chloride | 97 | 70-130 |
| Chloroethane | 95 | 70-130 |
| 1,1-Dichloroethene | 86 | 70-130 |
| trans-1,2-Dichloroethene | 97 | 70-130 |
| Trichloroethene | 98 | 70-130 |
| 1,2-Dichlorobenzene | 105 | 70-130 |
| 1,3-Dichlorobenzene | 109 | 70-130 |
| 1,4-Dichlorobenzene | 105 | 70-130 |
| Methyl tert butyl ether | 87 | 70-130 |
| cis-1,2-Dichloroethene | 106 | 70-130 |
| Dichlorodifluoromethane | 91 | 70-130 |
| 1,2-Dibromoethane | 93 | 70-130 |
| 1,3-Dichloropropane | 101 | 70-130 |
| 1,1,1,2-Tetrachloroethane | 111 | 70-130 |
| o-Chlorotoluene | 115 | 70-130 |
| p-Chlorotoluene | 112 | 70-130 |
| Hexachlorobutadiene | 102 | 70-130 |
| 1,2,4-Trichlorobenzene | 79 | 70-130 |
| Surrogate(s) | | |
| 1,2-Dichloroethane-d4 | 102 | 70-130 |
| Toluene-d8 | 105 | 70-130 |
| 4-Bromofluorobenzene | 99 | 70-130 |
| Dibromofluoromethane | 101 | 70-130 |

ALPHA ANALYTICAL LABORATORIES
 QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0404267

| Parameter | MS % | MSD % | RPD | RPD Limit | MS/MSD Limits |
|--|------|-------|-----|-----------|---------------|
| Volatile Organics by MCP 8260B for sample(s) 01-16 (L0404267-04, WG169484) | | | | | |
| Methylene chloride | 107 | 108 | 1 | 20 | 70-130 |
| 1,1-Dichloroethane | 112 | 114 | 2 | 20 | 70-130 |
| Chloroform | 108 | 108 | 0 | 20 | 70-130 |
| Carbon tetrachloride | 113 | 113 | 0 | 20 | 70-130 |
| 1,2-Dichloropropane | 109 | 107 | 2 | 20 | 70-130 |
| Dibromochloromethane | 97 | 94 | 3 | 20 | 70-130 |
| 1,1,2-Trichloroethane | 104 | 98 | 6 | 20 | 70-130 |
| Tetrachloroethene | 101 | 104 | 3 | 20 | 70-130 |
| Chlorobenzene | 106 | 104 | 2 | 20 | 70-130 |
| 1,2-Dichloroethane | 105 | 102 | 3 | 20 | 70-130 |
| 1,1,1-Trichloroethane | 104 | 107 | 3 | 20 | 70-130 |
| Bromodichloromethane | 106 | 106 | 0 | 20 | 70-130 |
| trans-1,3-Dichloropropene | 89 | 88 | 0 | 20 | 70-130 |
| cis-1,3-Dichloropropene | 87 | 89 | 3 | 20 | 70-130 |
| Bromoform | 95 | 96 | 1 | 20 | 70-130 |
| 1,1,2,2-Tetrachloroethane | 96 | 97 | 1 | 20 | 70-130 |
| Benzene | 111 | 110 | 1 | 20 | 70-130 |
| Chloromethane | 107 | 111 | 4 | 20 | 70-130 |
| Vinyl chloride | 100 | 102 | 2 | 20 | 70-130 |
| Chloroethane | 103 | 102 | 1 | 20 | 70-130 |
| 1,1-Dichloroethene | 92 | 98 | 7 | 20 | 70-130 |
| trans-1,2-Dichloroethene | 102 | 105 | 3 | 20 | 70-130 |
| Trichloroethene | 47 | 51 | 8 | 20 | 70-130 |
| 1,2-Dichlorobenzene | 98 | 99 | 2 | 20 | 70-130 |
| 1,3-Dichlorobenzene | 110 | 112 | 2 | 20 | 70-130 |
| 1,4-Dichlorobenzene | 98 | 101 | 3 | 20 | 70-130 |
| Methyl tert butyl ether | 89 | 92 | 3 | 20 | 70-130 |
| cis-1,2-Dichloroethene | 117 | 115 | 2 | 20 | 70-130 |
| Dichlorodifluoromethane | 87 | 92 | 6 | 20 | 70-130 |
| 1,2-Dibromoethane | 94 | 93 | 2 | 20 | 70-130 |
| 1,3-Dichloropropane | 102 | 98 | 4 | 20 | 70-130 |
| 1,1,1,2-Tetrachloroethane | 105 | 103 | 2 | 20 | 70-130 |
| o-Chlorotoluene | 106 | 110 | 4 | 20 | 70-130 |
| p-Chlorotoluene | 102 | 106 | 4 | 20 | 70-130 |
| Hexachlorobutadiene | 85 | 94 | 10 | 20 | 70-130 |
| 1,2,4-Trichlorobenzene | 72 | 76 | 6 | 20 | 70-130 |
| Surrogate(s) | | | | | |
| 1,2-Dichloroethane-d4 | 104 | 101 | 3 | | 70-130 |
| Toluene-d8 | 98 | 97 | 1 | | 70-130 |
| 4-Bromofluorobenzene | 93 | 96 | 3 | | 70-130 |
| Dibromofluoromethane | 105 | 101 | 4 | | 70-130 |

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0404267

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE | | ID |
|---|----------|-------|-------------|------------|---------------|------|----|
| | | | | | PREP | ANAL | |
| Blank Analysis for sample(s) 01-05,07-09 (WG169484-4) | | | | | | | |
| Volatile Organics by MCP 8260B | | | | 54 8260B | 0430 16:09 RY | | |
| 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 | | | | |
| 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 | | | | |
| Bromoform | ND | ug/l | 2.0 | | | | |
| 1,1,2,2-Tetrachloroethane | ND | ug/l | 0.50 | | | | |
| Benzene | ND | ug/l | 0.50 | | | | |
| Chloromethane | ND | ug/l | 2.5 | | | | |
| 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 | | | | |
| cis-1,2-Dichloroethene | ND | ug/l | 0.50 | | | | |
| Dichlorodifluoromethane | ND | ug/l | 5.0 | | | | |
| 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 | | | | |
| o-Chlorotoluene | ND | ug/l | 2.5 | | | | |
| p-Chlorotoluene | ND | ug/l | 2.5 | | | | |
| Hexachlorobutadiene | ND | ug/l | 1.0 | | | | |
| 1,2,4-Trichlorobenzene | ND | ug/l | 2.5 | | | | |
| Surrogate(s) | Recovery | | QC Criteria | | | | |
| 1,2-Dichloroethane-d4 | 104. | % | 70-130 | | | | |
| Toluene-d8 | 95.0 | % | 70-130 | | | | |
| 4-Bromofluorobenzene | 98.0 | % | 70-130 | | | | |
| Dibromofluoromethane | 105. | % | 70-130 | | | | |

| | | | | | | | |
|--|----|------|------|----------|---------------|--|--|
| Blank Analysis for sample(s) 06,10-16 (WG169484-6) | | | | | | | |
| Volatile Organics by MCP 8260B | | | | 54 8260B | 0501 13:33 RY | | |
| Methylene chloride | ND | ug/l | 5.0 | | | | |
| 1,1-Dichloroethane | ND | ug/l | 0.75 | | | | |

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0404267

Continued

| PARAMETER | RESULT | UNITS | RDL | REF METHOD | DATE | | ID |
|--|----------|-------|-------------|------------|---------------|------|----|
| | | | | | PREP | ANAL | |
| Blank Analysis for sample(s) 06,10-16 (WG169484-6) | | | | | | | |
| Volatile Organics by MCP 8260B continued | | | | 54 8260B | 0501 13:33 RY | | |
| 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 | | | | |
| 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 | | | | |
| Bromoform | ND | ug/l | 2.0 | | | | |
| 1,1,2,2-Tetrachloroethane | ND | ug/l | 0.50 | | | | |
| Benzene | ND | ug/l | 0.50 | | | | |
| Chloromethane | ND | ug/l | 2.5 | | | | |
| 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 | | | | |
| cis-1,2-Dichloroethene | ND | ug/l | 0.50 | | | | |
| Dichlorodifluoromethane | ND | ug/l | 5.0 | | | | |
| 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 | | | | |
| o-Chlorotoluene | ND | ug/l | 2.5 | | | | |
| p-Chlorotoluene | ND | ug/l | 2.5 | | | | |
| Hexachlorobutadiene | ND | ug/l | 1.0 | | | | |
| 1,2,4-Trichlorobenzene | ND | ug/l | 2.5 | | | | |
| Surrogate(s) | Recovery | | QC Criteria | | | | |
| 1,2-Dichloroethane-d4 | 101. | % | 70-130 | | | | |
| Toluene-d8 | 101. | % | 70-130 | | | | |
| 4-Bromofluorobenzene | 103. | % | 70-130 | | | | |
| Dibromofluoromethane | 105. | % | 70-130 | | | | |

**ALPHA ANALYTICAL LABORATORIES
ADDENDUM I**

REFERENCES

54. Compendium of Quality Assurance and Quality Control Requirements and Performance Standards for Selected Analytical Methods. MADEP BWSC. Final Methods. May 2003.

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.

Please note that all solid samples are reported on dry weight basis unless noted otherwise.

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.

**ALPHA ANALYTICAL LABORATORIES
LOGIN SPECIFIC INFORMATION**

Laboratory Job Number: L0404267

Were project specific reporting limits specified? NO

Cooler Information

| | |
|--------|--------------|
| Cooler | Custody Seal |
| A | Absent |

Container Information

| Container ID | Container Type | Cooler | pH | Temp | Pres | Seal | Analysis |
|--------------|--------------------|--------|----|-------|------|--------|----------|
| L0404267-01A | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-01B | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-02A | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-02B | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-03A | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-03B | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-04A | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-04B | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-04C | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-04D | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-05A | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-05B | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-06A | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-06B | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-07A | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-08A | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-08B | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-09A | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-09B | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-10A | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-10B | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-11A | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-11B | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-12A | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-12B | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-13A | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-13B | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-14A | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-14B | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-15A | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-15B | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-16A | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |
| L0404267-16B | Vial HCl preserved | A | NA | 1.9 C | Y | Absent | MCP-8260 |

Container Comments

Container ID Comments

L0404267-10A This container has not been properly returned to CUSTODY! It was last assigned to DENISE for department

ALPHA ANALYTICAL LABORATORIES
LOGIN SPECIFIC INFORMATION

Laboratory Job Number: L0404267

Continued

Container ID Comments

| | |
|--------------|---|
| | CUSTODY on 04/26/04 20:40 . |
| L0404267-11A | This container has not been properly returned to CUSTODY! It was last assigned to DENISE for department CUSTODY on 04/26/04 20:40 . |
| L0404267-12A | This container has not been properly returned to CUSTODY! It was last assigned to DENISE for department CUSTODY on 04/26/04 20:40 . |
| L0404267-13A | This container has not been properly returned to CUSTODY! It was last assigned to DENISE for department CUSTODY on 04/26/04 20:40 . |
| L0404267-14A | This container has not been properly returned to CUSTODY! It was last assigned to DENISE for department CUSTODY on 04/26/04 20:40 . |
| L0404267-15A | This container has not been properly returned to CUSTODY! It was last assigned to DENISE for department CUSTODY on 04/26/04 20:40 . |
| L0404267-16A | This container has not been properly returned to CUSTODY! It was last assigned to DENISE for department CUSTODY on 04/26/04 20:40 . |

1 2
4/26/04
C0104267

Client Information

Client ID: **ERM**
 Address: **399 Baywalk St Fl 6**
Boston, MA 02116
 Phone: **617 646 7800**
 Fax: **617 267 8377**
 Email: **theresa.kennedy@erm.com**

Project Location: **Weyland, MA**
 Project # **13606 03.02**
 Project Manager: **J Ricard**
 ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)
 Date Due: **5/3/04** Time:

Regulatory Requirements/Report Limits

State/Fed Program: **ADDEX**
 Criteria:

MCP PRESUMPTIVE CERTAINTY - THESE QUESTIONS MUST BE ANSWERED

Yes No Are MCP Analytical Methods Required?
 Yes No Are Drinking Water Samples Submitted?
 Yes No Have you met minimum field QC requirements?

SAMPLE HANDLING

Filtration
 Done
 Not needed
 Lab to do
 Preservation
 Lab to do
 (Please specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Time | Sample Matrix | Sampler's Initials | Container Type | Preservative | Date/Time | Received By | Date/Time | Sample Specific Comments |
|--------------------------------|-----------|-----------------|------|---------------|--------------------|----------------|--------------|-----------|-------------|-----------|--------------------------|
|--------------------------------|-----------|-----------------|------|---------------|--------------------|----------------|--------------|-----------|-------------|-----------|--------------------------|

| | | | | | | | | | | | |
|-------|---|------------|---------|------|-----|----|--|--------------|--------------|--------------|----|
| C0267 | 1 | MW-2065 | 4/26/04 | 1510 | GW | JF | | 4/26/04 1653 | Don's Dunder | 4/26/04 1745 | 22 |
| | 2 | MW-2064 | 4/26/04 | 1400 | GW | JF | | 4/26/04 1700 | Don's Dunder | 4/26/04 1745 | 22 |
| | 3 | MW-206D | 4/26/04 | 1350 | GW | JF | | 4/26/04 1700 | Don's Dunder | 4/26/04 1745 | 22 |
| | 4 | MW-2075 | 4/26/04 | 1440 | GW | BT | | 4/26/04 1700 | Don's Dunder | 4/26/04 1745 | 22 |
| | 5 | MW-207M | 4/26/04 | 1630 | GW | BT | | 4/26/04 1700 | Don's Dunder | 4/26/04 1745 | 22 |
| | 6 | MW-207D | 4/26/04 | 1350 | GW | BT | | 4/26/04 1700 | Don's Dunder | 4/26/04 1745 | 22 |
| | 7 | TB | 2/19/04 | 1840 | Lab | JB | | 4/26/04 1700 | Don's Dunder | 4/26/04 1745 | 22 |
| | 8 | DUP-1 | 4/26/04 | 2400 | GW | JF | | 4/26/04 1700 | Don's Dunder | 4/26/04 1745 | 22 |
| | 4 | MW-207MS/D | 4/26/04 | 1400 | GW | BT | | 4/26/04 1700 | Don's Dunder | 4/26/04 1745 | 22 |
| | 9 | MW-2175 | 4/26/04 | 1550 | GW | NG | | 4/26/04 1700 | Don's Dunder | 4/26/04 1745 | 22 |

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR PROJECT MCP ?

Relinquished By: *[Signature]*

Date/Time: 4/26/04 1653

Received By: *[Signature]*

Date/Time: 4/26/04 1745

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.



CHAIN OF CUSTODY

FORM 2 of 2

Date Report Issued: 4/26/04
Project # 13606.03.02
Project Name: Weyland, MA

Alpha Lab Drive, Woburn, MA 01898
TEL: 508-898-9220 FAX: 508-893-9193

Client Information

Client: ERM

Address: 399 Boylston St Fl 6

Boston, MA 02116

Phone: 617 646 7800

Fax: 617 267 6447

Email: theresa.kennedy@erm.com

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Project Information

Project Name: Raytheon

Project Location: Weyland, MA

Project # 13606.03.02

Project Manager: J. Ricard

ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: 5/3/04

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

MCP PRESUMPTIVE CERTAINTY - THESE QUESTIONS MUST BE ANSWERED

- Yes No Are MCP Analytical Methods Required?
- Yes No Are Drinking Water Samples Submitted?
- Yes No Have you met minimum field QC requirements?

SAMPLE HANDLING

- Filtration
 - Done
 - Not needed
 - Lab to do
 - Preservation
 - Lab to do
- (Please specify below)

ALPHA Lab ID (Lab Use Only)

Sample ID

Collection Date Time

Sample Matrix

Sampler's Initials

Sample Specific Comments

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | Comments |
|-----------------------------|-----------|-----------------|-----------------|---------------|--------------------|----------|
| 04267 16 | MW-217M | 4/26/04 | 1455 | GW | ALG | |
| 11 | MW-217D | 4/26/04 | 1401 | GW | ALG | |
| 12 | MW-220S | 4/26/04 | 1340 | GW | MH | |
| 13 | MW-220H | 4/26/04 | 1210 | GW | MH | |
| 14 | MW-205S | 4/26/04 | 1515 | GW | EM | |
| 15 | MW-205M | 4/26/04 | 1444 | GW | EM | |
| 16 | MW-219D | 4/26/04 | 1505 | GW | MH | |

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

Container Type Preservative

V

Relinquished By:

Date/Time

Received By:

Date/Time

IS YOUR PROJECT MCP ?

Donna Lee
Donna Lee

4/26/04 1653

Randy Allen
Randy Allen

4/26/04 1730

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.

TOTAL # BOTTLES