

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: L0309851
Address: 399 Boylston Street
6th Floor
Boston, MA 02116 Date Received: 01-OCT-2003
Attn: J. Picard Date Reported: 08-OCT-2003
Project Number: 1922.07.02 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? NO

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: Ellen M. Collins
This document electronically signed

ALPHA ANALYTICAL LABORATORIES

Laboratory Job Number: L0309851
Date Reported: 08-OCT-2003

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0309851-01	MW-217S	WAYLAND, MA
L0309851-02	MW-217M	WAYLAND, MA
L0309851-03	MW-217D	WAYLAND, MA
L0309851-04	MW-218S	WAYLAND, MA
L0309851-05	MW-218M	WAYLAND, MA
L0309851-06	MW-218D	WAYLAND, MA
L0309851-07	MW-219S	WAYLAND, MA
L0309851-08	MW-219M	WAYLAND, MA
L0309851-09	MW-219D	WAYLAND, MA
L0309851-10	MW-220S	WAYLAND, MA
L0309851-11	MW-220M	WAYLAND, MA
L0309851-12	MW-221M	WAYLAND, MA
L0309851-13	MW-221D	WAYLAND, MA
L0309851-14	DUP-6	WAYLAND, MA
L0309851-15	DUP-7	WAYLAND, MA
L0309851-16	RUSSELL'S	WAYLAND, MA
L0309851-17	TB-3	WAYLAND, MA

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0309851

Report Submission

In reference to question F, at the client's request, the samples were analyzed only for the compounds specified on the chain of custody.

Volatile Organics

In reference to question E, The MS/MSD % recoveries for Chloromethane at 69%/68% and Trichloroethene at 69%/62% are below acceptance criteria.

In reference to question E, the LCS % recoveries for Dichlorodifluoromethane at 144%, Bromoform at 137%, and 1,1,2,2-Tetrachloroethane at 140% are above acceptance criteria. The associated samples are ND for the above mentioned compounds.

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0309851-01
 MW-217S

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1002 17:42 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	88.0	%		70-130			
Toluene-d8	98.0	%		70-130			
4-Bromofluorobenzene	112.	%		70-130			
Dibromofluoromethane	96.0	%		70-130			

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0309851-02
 MW-217M

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1002 18:17 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	89.0	%		70-130			
Toluene-d8	98.0	%		70-130			
4-Bromofluorobenzene	109.	%		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

Laboratory Sample Number: L0309851-03
 MW-217D

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1002 18:52 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	89.0	%		70-130			
Toluene-d8	97.0	%		70-130			
4-Bromofluorobenzene	115.	%		70-130			
Dibromofluoromethane	95.0	%		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: L0309851-04	Date Collected: 01-OCT-2003 10:50
MW-218S	Date Received : 01-OCT-2003
Sample Matrix: WATER	Date Reported : 08-OCT-2003
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Plastic,4-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Chloride	910	mg/l	25.	1 9251		1003 20:35 DD
Volatile Organics by MCP 8260B				54 8260B		1002 19:26 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			
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	2.5			
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	2.5			
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: L0309851-04
 MW-218S

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1002 19:26 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	89.0	%		70-130			
Toluene-d8	97.0	%		70-130			
4-Bromofluorobenzene	112.	%		70-130			
Dibromofluoromethane	98.0	%		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: L0309851-05	Date Collected: 01-OCT-2003 09:45
MW-218M	Date Received : 01-OCT-2003
Sample Matrix: WATER	Date Reported : 08-OCT-2003
Condition of Sample: Satisfactory	Field Prep: None

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

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Chloride	570	mg/l	10.	1 9251		1003 19:09 DD
Volatile Organics by MCP 8260B				54 8260B		1002 20:01 RY
Methylene chloride	ND	ug/l	5.0			
1,1-Dichloroethane	14.	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	1.5	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			
Chloromethane	ND	ug/l	2.5			
Vinyl chloride	ND	ug/l	1.0			
Chloroethane	ND	ug/l	1.0			
1,1-Dichloroethene	1.1	ug/l	0.50			
trans-1,2-Dichloroethene	ND	ug/l	0.75			
Trichloroethene	2.3	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	15.	ug/l	1.0			
cis-1,2-Dichloroethene	2.1	ug/l	0.50			
Dichlorodifluoromethane	ND	ug/l	5.0			
1,2-Dibromoethane	ND	ug/l	2.5			
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	2.5			
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: L0309851-05
MW-218M

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1002 20:01		RY
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	85.0	%		70-130			
Toluene-d8	102.	%		70-130			
4-Bromofluorobenzene	116.	%		70-130			
Dibromofluoromethane	94.0	%		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: L0309851-06	Date Collected: 01-OCT-2003 10:03
MW-218D	Date Received : 01-OCT-2003
Sample Matrix: WATER	Date Reported : 08-OCT-2003
Condition of Sample: Satisfactory	Field Prep: None

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

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Chloride	55.	mg/l	1.0	1 9251		1003 19:42	DD
Volatile Organics by MCP 8260B				54 8260B		1002 20:35	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				
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	3.2	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	0.58	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
1,2-Dibromoethane	ND	ug/l	2.5				
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	2.5				
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: L0309851-06
 MW-218D

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1002 20:35 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	87.0	%		70-130			
Toluene-d8	99.0	%		70-130			
4-Bromofluorobenzene	116.	%		70-130			
Dibromofluoromethane	96.0	%		70-130			

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0309851-07
 MW-219S

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1002 21:10		RY
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	88.0	%		70-130			
Toluene-d8	98.0	%		70-130			
4-Bromofluorobenzene	114.	%		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**

Laboratory Sample Number: L0309851-08
MW-219M

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1002 21:44		RY
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	88.0	%		70-130			
Toluene-d8	97.0	%		70-130			
4-Bromofluorobenzene	115.	%		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

Laboratory Sample Number: L0309851-09
 MW-219D

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1002 22:18 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	89.0	%		70-130			
Toluene-d8	100.	%		70-130			
4-Bromofluorobenzene	117.	%		70-130			
Dibromofluoromethane	96.0	%		70-130			

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0309851-10
MW-220S

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1002 22:53		RY
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	86.0	%		70-130			
Toluene-d8	96.0	%		70-130			
4-Bromofluorobenzene	115.	%		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

Laboratory Sample Number: L0309851-11
 MW-220M

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1002 23:28 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	85.0	%		70-130			
Toluene-d8	98.0	%		70-130			
4-Bromofluorobenzene	115.	%		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: L0309851-12	Date Collected: 01-OCT-2003 11:33
MW-221M	Date Received : 01-OCT-2003
Sample Matrix: WATER	Date Reported : 08-OCT-2003
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Plastic,2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Chloride	340	mg/l	10.	1 9251		1003 19:11 DD
Volatile Organics by MCP 8260B				54 8260B		1003 00:02 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			
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	2.5			
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	2.5			
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: L0309851-12
 MW-221M

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1003 00:02 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	88.0	%		70-130			
Toluene-d8	97.0	%		70-130			
4-Bromofluorobenzene	114.	%		70-130			
Dibromofluoromethane	98.0	%		70-130			

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0309851-13
 MW-221D

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1003 00:36 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	87.0	%		70-130			
Toluene-d8	98.0	%		70-130			
4-Bromofluorobenzene	113.	%		70-130			
Dibromofluoromethane	98.0	%		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: L0309851-14	Date Collected: 01-OCT-2003 00:00
DUP-6	Date Received : 01-OCT-2003
Sample Matrix: WATER	Date Reported : 08-OCT-2003
Condition of Sample: Satisfactory	Field Prep: None

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

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Chloride	480	mg/l	10.	1 9251		1003 19:14 DD
Volatile Organics by MCP 8260B				54 8260B		1003 01:11 RY
Methylene chloride	ND	ug/l	5.0			
1,1-Dichloroethane	14.	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	1.4	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			
Chloromethane	ND	ug/l	2.5			
Vinyl chloride	ND	ug/l	1.0			
Chloroethane	ND	ug/l	1.0			
1,1-Dichloroethene	1.1	ug/l	0.50			
trans-1,2-Dichloroethene	ND	ug/l	0.75			
Trichloroethene	2.2	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	13.	ug/l	1.0			
cis-1,2-Dichloroethene	2.0	ug/l	0.50			
Dichlorodifluoromethane	ND	ug/l	5.0			
1,2-Dibromoethane	ND	ug/l	2.5			
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	2.5			
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: L0309851-14
DUP-6

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1003 01:11		RY
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	83.0	%		70-130			
Toluene-d8	101.	%		70-130			
4-Bromofluorobenzene	116.	%		70-130			
Dibromofluoromethane	92.0	%		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: L0309851-15	Date Collected: 01-OCT-2003 00:00
DUP-7	Date Received : 01-OCT-2003
Sample Matrix: WATER	Date Reported : 08-OCT-2003
Condition of Sample: Satisfactory	Field Prep: None

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

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Chloride	68.	mg/l	1.0	1 9251		1003 19:45 DD
Volatile Organics by MCP 8260B				54 8260B		1003 01:45 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			
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	6.9	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	3.1	ug/l	1.0			
cis-1,2-Dichloroethene	1.2	ug/l	0.50			
Dichlorodifluoromethane	ND	ug/l	5.0			
1,2-Dibromoethane	ND	ug/l	2.5			
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	2.5			
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: L0309851-15
 DUP-7

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1003 01:45 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	84.0	%		70-130			
Toluene-d8	101.	%		70-130			
4-Bromofluorobenzene	115.	%		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: L0309851-17	Date Collected: 25-SEP-2003 14:10
	Date Received : 01-OCT-2003
Sample Matrix: TB-3 WATER	Date Reported : 08-OCT-2003
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	1003 02:19 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			
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	2.5			
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	2.5			
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: L0309851-17
 TB-3

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1003 02:19 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	84.0	%		70-130			
Toluene-d8	100.	%		70-130			
4-Bromofluorobenzene	116.	%		70-130			
Dibromofluoromethane	97.0	%		70-130			

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0309851

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Chloride for sample(s) 01-16 (L0309851-04, WG152384)					
Chloride	910	910	mg/l	0	7

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0309851

Parameter	% Recovery	QC Criteria
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Chloride LCS for sample(s) 01-16 (WG152384)

Chloride	97	84-110
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Volatile Organics by MCP 8260B LCS for sample(s) 01-15,17 (WG152350)

Methylene chloride	96	70-130
1,1-Dichloroethane	104	70-130
Chloroform	103	70-130
Carbon tetrachloride	108	70-130
1,2-Dichloropropane	109	70-130
Dibromochloromethane	109	70-130
1,1,2-Trichloroethane	125	70-130
Tetrachloroethene	114	70-130
Chlorobenzene	118	70-130
1,2-Dichloroethane	95	70-130
1,1,1-Trichloroethane	106	70-130
Bromodichloromethane	105	70-130
trans-1,3-Dichloropropene	105	70-130
cis-1,3-Dichloropropene	103	70-130
Bromoform	137	70-130
1,1,2,2-Tetrachloroethane	140	70-130
Chloromethane	91	70-130
Vinyl chloride	119	70-130
Chloroethane	113	70-130
1,1-Dichloroethene	118	70-130
trans-1,2-Dichloroethene	109	70-130
Trichloroethene	109	70-130
1,2-Dichlorobenzene	117	70-130
1,3-Dichlorobenzene	117	70-130
1,4-Dichlorobenzene	118	70-130
Methyl tert butyl ether	87	70-130
cis-1,2-Dichloroethene	115	70-130
Dichlorodifluoromethane	144	70-130
1,2-Dibromoethane	118	70-130
1,3-Dichloropropane	117	70-130
1,1,1,2-Tetrachloroethane	113	70-130
o-Chlorotoluene	125	70-130
p-Chlorotoluene	124	70-130
Hexachlorobutadiene	124	70-130
1,2,4-Trichlorobenzene	112	70-130
Surrogate(s)		
1,2-Dichloroethane-d4	85	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	105	70-130
Dibromofluoromethane	96	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0309851

Continued

Parameter	% Recovery	QC Criteria
Chloride SPIKE for sample(s) 01-16 (L0309851-04, WG152384)		
Chloride	80	58-140

ALPHA ANALYTICAL LABORATORIES
 QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0309851

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
Volatile Organics by MCP 8260B for sample(s) 01-15,17 (L0309851-03, WG152350)					
Methylene chloride	73	72	2	20	70-130
1,1-Dichloroethane	85	81	5	20	70-130
Chloroform	86	80	8	20	70-130
Carbon tetrachloride	91	86	6	20	70-130
1,2-Dichloropropane	92	90	2	20	70-130
Dibromochloromethane	98	96	2	20	70-130
1,1,2-Trichloroethane	114	110	4	20	70-130
Tetrachloroethene	95	86	9	20	70-130
Chlorobenzene	103	95	8	20	70-130
1,2-Dichloroethane	82	80	2	20	70-130
1,1,1-Trichloroethane	88	82	7	20	70-130
Bromodichloromethane	92	90	2	20	70-130
trans-1,3-Dichloropropene	92	90	2	20	70-130
cis-1,3-Dichloropropene	89	87	2	20	70-130
Bromoform	127	127	0	20	70-130
1,1,2,2-Tetrachloroethane	124	125	1	20	70-130
Chloromethane	69	68	1	20	70-130
Vinyl chloride	94	89	5	20	70-130
Chloroethane	86	85	2	20	70-130
1,1-Dichloroethene	92	88	4	20	70-130
trans-1,2-Dichloroethene	91	84	8	20	70-130
Trichloroethene	69	62	10	20	70-130
1,2-Dichlorobenzene	104	99	5	20	70-130
1,3-Dichlorobenzene	105	99	6	20	70-130
1,4-Dichlorobenzene	103	97	6	20	70-130
Methyl tert butyl ether	78	82	4	20	70-130
cis-1,2-Dichloroethene	96	92	5	20	70-130
Dichlorodifluoromethane	107	105	2	20	70-130
1,2-Dibromoethane	100	101	1	20	70-130
1,3-Dichloropropane	103	100	3	20	70-130
1,1,1,2-Tetrachloroethane	100	95	5	20	70-130
o-Chlorotoluene	107	100	7	20	70-130
p-Chlorotoluene	108	101	7	20	70-130
Hexachlorobutadiene	98	91	7	20	70-130
1,2,4-Trichlorobenzene	92	93	1	20	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	84	86	2		70-130
Toluene-d8	100	97	3		70-130
4-Bromofluorobenzene	104	102	2		70-130
Dibromofluoromethane	97	98	1		70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0309851

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
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Blank Analysis for sample(s) 01-16 (WG152384-2)

Chloride	ND	mg/l	1.0	1 9251	1003 17:39 DD	
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Blank Analysis for sample(s) 01-15,17 (WG152350-4)

Volatile Organics by MCP 8260B				54 8260B	1002 17:02 RY	
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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		
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	2.5		
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	2.5		
1,2,4-Trichlorobenzene	ND	ug/l	2.5		

Surrogate(s)	Recovery	QC Criteria
1,2-Dichloroethane-d4	88.0 %	70-130
Toluene-d8	97.0 %	70-130
4-Bromofluorobenzene	113. %	70-130
Dibromofluoromethane	97.0 %	70-130

ALPHA ANALYTICAL LABORATORIES
ADDENDUM I

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
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: L0309851

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0309851-01A	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-01B	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-01C	Plastic 250ml unpreserved	A	=7	1.3 C	Y	Absent	CL-9251
L0309851-02A	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-02B	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-02C	Plastic 250ml unpreserved	A	=7	1.3 C	Y	Absent	CL-9251
L0309851-03A	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-03B	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-03C	Plastic 250ml unpreserved	A	=7	1.3 C	Y	Absent	CL-9251
L0309851-04A	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-04B	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-04C	Plastic 250ml unpreserved	A	=7	1.3 C	Y	Absent	CL-9251
L0309851-04D	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-04E	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-05A	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-05B	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-05C	Plastic 250ml unpreserved	A	=7	1.3 C	Y	Absent	CL-9251
L0309851-06A	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-06B	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-06C	Plastic 250ml unpreserved	A	=7	1.3 C	Y	Absent	CL-9251
L0309851-07A	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-07B	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-07C	Plastic 250ml unpreserved	A	=7	1.3 C	Y	Absent	CL-9251
L0309851-08A	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-08B	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-08C	Plastic 250ml unpreserved	A	=7	1.3 C	Y	Absent	CL-9251
L0309851-09A	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-09B	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-09C	Plastic 250ml unpreserved	A	=7	1.3 C	Y	Absent	CL-9251
L0309851-10A	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-10B	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-10C	Plastic 250ml unpreserved	A	=7	1.3 C	Y	Absent	CL-9251
L0309851-11A	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-11B	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-11C	Plastic 250ml unpreserved	A	=7	1.3 C	Y	Absent	CL-9251
L0309851-12A	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-12B	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-12C	Plastic 250ml unpreserved	A	=7	1.3 C	Y	Absent	CL-9251
L0309851-13A	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-13B	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-13C	Plastic 250ml unpreserved	A	=7	1.3 C	Y	Absent	CL-9251

ALPHA ANALYTICAL LABORATORIES
LOGIN SPECIFIC INFORMATION

Laboratory Job Number: L0309851

Continued

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0309851-14A	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-14B	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-14C	Plastic 250ml unpreserved	A	=7	1.3 C	Y	Absent	CL-9251
L0309851-15A	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-15B	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260
L0309851-15C	Plastic 250ml unpreserved	A	=7	1.3 C	Y	Absent	CL-9251
L0309851-16A	Plastic 250ml unpreserved	A	=7	1.3 C	Y	Absent	CL-9251
L0309851-17A	Vial HCl preserved	A	N/A	1.3 C	Y	Absent	MCP-8260

Container Comments

Container ID Comments

L0309851-06C This container has not been properly returned to CUSTODY! It was last assigned to THOANG for department CUSTODY on 10/01/03 19:36 .



CHAIN OF CUSTODY

PAGE 1 OF 2

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: **EGM**
Address: **399 Boylston St Fl 6 Boston, MA 02116**
Phone: **617 267 8377**
Fax: **617 267 6447**
Email:

Project Information

Project Name: **Raytheon**
Project Location: **Wayland, MA**
Project #: **1922.07.2**
Project Manager: **J.P. Card**
ALPHA Quote #:
Turn-Around Time

These samples have been previously analyzed by Alpha
Other Project Specific Requirements/Comments/Detection Limits:

Standard RUSH (only confirmed if pre-approved)
Date Due: **10/8** Time:

Date Rec'd in Lab: **10/1**

ALPHA Job #: **LC309851**

Report Information - Data Deliverables

FAX EMAIL Add'l Deliverables **hard copy**

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?

ANALYSIS	SCALC + MTRB	CI	SAMPLE HANDLING	TOTAL #	BOTTLES
			Filtration <input type="checkbox"/> Done <input type="checkbox"/> Not needed <input type="checkbox"/> Lab to do <input type="checkbox"/> Preservation <input type="checkbox"/> Lab to do Please specify below		
			Sample Specific Comments		

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Time	Sample Matrix	Sampler's Initials
48511	MW-217S	10/1/03	1105	MW	WS
2	MW-217M	10/1/03	1206	MW	WS
3	MW-217D	10/1/03	1157	MW	KRK
4	MW-218S	10/1/03	1050	MW	MC
5	MW-218M	10/1/03	945	MW	MC
6	MW-218D	10/1/03	1003	MW	VZ
7	MW-219S	10/1/03	928	MW	KRK
8	MW-219M	10/1/03	903	MW	WS
9	MW-219D	10/1/03	1010	MW	WS
10	MW-220S	10/1/03	1125	MW	JFut

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR PROJECT MCP?

Relinquished By: **[Signature]** Date: **10/1/03**

Received By: **[Signature]** Date: **10/1/03**

Container Type: **VP**

Preservative: **BA**

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

PAGE 2 OF 2

ALPHA Job #: L030 9851



Eight Walkup Drive Westborough, MA 01581
 TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: ERM

Address: 399 Baylston St Flg

Boston, MA 02116

Phone: 617 267 8377

Fax: 617 267 6947

Email:

Project Information

Project Name: Raytheon

Project Location: Wayland, MA

Project #: 1922.07.2

Project Manager: J Picard

ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: 10/8 Time:

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Report Information - Data Deliverables

FAX EMAIL

ADEX Add'l Deliverables *hard*

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?

ANALYSIS
 8201C, MBE
 CI

SAMPLE HANDLING

- Filteration
- Done
- Not needed
- Lab to do
- Preservation
- Lab to do

Please specify below!

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Time	Sample Matrix	Sampler's Initials	TOTAL # BOTTLES
98FT-11	MW-220M	10/1/03	1000	MW	JTF	3
12	MW-221M	10/1/03	1133	MW	JTF	3
13	MW-221D	10/1/03	1025	MW	JTF	3
4	MW-218S-MS1D	10/1/03	1050	MW	MC	2
14	DUP-6	10/1/03	2400	MW	MC	3
15	DUP-7	10/1/03	2500	MW	JTF	3
16	Russell's	10/1/03	1125	MW	VZ	1
17	TB-3	10/1/03	1410	MW	DS	1

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR PROJECT MCP ?

Container Type: V P
 Preservative: B A

Relinquished By: *[Signature]* Date/Time: 10/1/03 1717
 Received By: *[Signature]* Date/Time: 10/1/03 1725

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.