

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: L0309999
Address: 399 Boylston Street
6th Floor
Boston, MA 02116 Date Received: 03-OCT-2003
Attn: J. Picard Date Reported: 10-OCT-2003
Project Number: 1922.07.2 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: James Todaro
This document electronically signed

ALPHA ANALYTICAL LABORATORIES

Laboratory Job Number: L0309999
Date Reported: 10-OCT-2003

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0309999-01	MW-263S	WAYLAND, MA
L0309999-02	MW-263M	WAYLAND, MA
L0309999-03	MW-262S	WAYLAND, MA
L0309999-04	MW-262M	WAYLAND, MA
L0309999-05	MW-262D	WAYLAND, MA
L0309999-06	MW-264S	WAYLAND, MA
L0309999-07	MW-264M	WAYLAND, MA
L0309999-08	MW-264D	WAYLAND, MA
L0309999-09	TB	WAYLAND, MA
L0309999-10	MW-268D	WAYLAND, MA
L0309999-11	DUP-12	WAYLAND, MA
L0309999-12	MW-267S	WAYLAND, MA
L0309999-13	MW-267M	WAYLAND, MA
L0309999-14	MW-267D	WAYLAND, MA
L0309999-15	MW-267B	WAYLAND, MA
L0309999-16	MW-269S	WAYLAND, MA
L0309999-17	MW-269MA	WAYLAND, MA
L0309999-18	MW-269MB	WAYLAND, MA
L0309999-19	MW-269D	WAYLAND, MA

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0309999

MCP Related Narratives

Metals

In reference to question F, at the client's request, the samples were analyzed only for Dissolved Arsenic.

Volatile Organics

In reference to question F, at the client's request, only those compounds listed on the chain of custody are reported.

L0309999-03, -12 and -13 have elevated limits of detection due to the dilutions required by the elevated concentrations of target compounds in the samples.

L0309999-07 was re-analyzed on dilution in order to quantitate the sample within the range of the calibration. The result is reported as a greater than value for the compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound which exceeded the range of the calibration.

In reference to question E:

The MS/MSD % recoveries for Bromomethane (56% and 55%) associated with L0309999-01 through -15 are below the acceptance criteria for the method. The LCS % recoveries are acceptable.

The LCS % recoveries for Chloromethane (65% and 56%) associated with L0309999-01 through -10 and -12 through -15 are below the acceptance criteria for the method.

The LCS % recovery for Chloromethane (56%) associated with L0309999-07 and -11 is below the acceptance criteria for the method.

The LCS % recovery for Dichlorodifluoromethane (66%) associated with L0309999-16 through -19 is below the acceptance criteria for the method.

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: L0309999-01 MW-263S Sample Matrix: WATER Condition of Sample: Satisfactory Number & Type of Containers: 4-Vial	Date Collected: 03-OCT-2003 13:15 Date Received : 03-OCT-2003 Date Reported : 10-OCT-2003 Field Prep: None
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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B				54 8260B		1006 16:46	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	0.59	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				
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: L0309999-01
MW-263S

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1006 16:46 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	85.0	%		70-130			
Toluene-d8	96.0	%		70-130			
4-Bromofluorobenzene	108.	%		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: L0309999-02 Date Collected: 03-OCT-2003 12:10
 MW-263M Date Received : 03-OCT-2003
 Sample Matrix: WATER Date Reported : 10-OCT-2003
 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	1006 17:21		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				
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: L0309999-02
MW-263M

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1006 17:21		RY
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	89.0	%		70-130			
Toluene-d8	95.0	%		70-130			
4-Bromofluorobenzene	112.	%		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: L0309999-03	Date Collected: 03-OCT-2003 09:17
MW-262S	Date Received : 03-OCT-2003
Sample Matrix: WATER	Date Reported : 10-OCT-2003
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	1006 23:41	RY
Methylene chloride	ND	ug/l	12.			
1,1-Dichloroethane	ND	ug/l	1.9			
Chloroform	ND	ug/l	1.9			
Carbon tetrachloride	ND	ug/l	1.2			
1,2-Dichloropropane	ND	ug/l	4.4			
Dibromochloromethane	ND	ug/l	1.2			
1,1,2-Trichloroethane	ND	ug/l	1.9			
Tetrachloroethene	2.8	ug/l	1.2			
Chlorobenzene	ND	ug/l	1.2			
1,2-Dichloroethane	ND	ug/l	1.2			
1,1,1-Trichloroethane	ND	ug/l	1.2			
Bromodichloromethane	ND	ug/l	1.2			
trans-1,3-Dichloropropene	ND	ug/l	1.2			
cis-1,3-Dichloropropene	ND	ug/l	1.2			
Bromoform	ND	ug/l	5.0			
1,1,2,2-Tetrachloroethane	ND	ug/l	1.2			
Chloromethane	ND	ug/l	6.2			
Vinyl chloride	ND	ug/l	2.5			
Chloroethane	ND	ug/l	2.5			
1,1-Dichloroethene	ND	ug/l	1.2			
trans-1,2-Dichloroethene	ND	ug/l	1.9			
Trichloroethene	57.	ug/l	1.2			
1,2-Dichlorobenzene	ND	ug/l	6.2			
1,3-Dichlorobenzene	ND	ug/l	6.2			
1,4-Dichlorobenzene	ND	ug/l	6.2			
cis-1,2-Dichloroethene	ND	ug/l	1.2			
Dichlorodifluoromethane	ND	ug/l	12.			
1,2-Dibromoethane	ND	ug/l	6.2			
1,3-Dichloropropane	ND	ug/l	6.2			
1,1,1,2-Tetrachloroethane	ND	ug/l	1.2			
o-Chlorotoluene	ND	ug/l	6.2			
p-Chlorotoluene	ND	ug/l	6.2			
Hexachlorobutadiene	ND	ug/l	6.2			
1,2,4-Trichlorobenzene	ND	ug/l	6.2			

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0309999-03
MW-262S

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1006 23:41 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	87.0	%		70-130			
Toluene-d8	95.0	%		70-130			
4-Bromofluorobenzene	110.	%		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: L0309999-04	Date Collected: 03-OCT-2003 10:03
MW-262M	Date Received : 03-OCT-2003
Sample Matrix: WATER	Date Reported : 10-OCT-2003
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	1006 17:55 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			
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: L0309999-04
MW-262M

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1006 17:55 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	87.0	%		70-130			
Toluene-d8	95.0	%		70-130			
4-Bromofluorobenzene	110.	%		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**

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

Laboratory Sample Number: L0309999-05	Date Collected: 03-OCT-2003 09:42
MW-262D	Date Received : 03-OCT-2003
Sample Matrix: WATER	Date Reported : 10-OCT-2003
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	1006 19:40 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			
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: L0309999-05
MW-262D

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1006 19:40 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	83.0	%		70-130			
Toluene-d8	96.0	%		70-130			
4-Bromofluorobenzene	109.	%		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: L0309999-06 Date Collected: 03-OCT-2003 11:28
 MW-264S Date Received : 03-OCT-2003
 Sample Matrix: WATER Date Reported : 10-OCT-2003
 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	1006 20:14 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	0.57	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	2.6	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				
cis-1,2-Dichloroethene	1.4	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: L0309999-06
MW-264S

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1006 20:14 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	84.0	%		70-130			
Toluene-d8	95.0	%		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**

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

Laboratory Sample Number: L0309999-07
Sample Matrix: MW-264M
Condition of Sample: WATER
Number & Type of Containers: Satisfactory 2-Vial

Date Collected: 03-OCT-2003 11:11
Date Received : 03-OCT-2003
Date Reported : 10-OCT-2003
Field Prep: None

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B				54 8260B		1007 00:16 RY	
Methylene chloride	ND	ug/l	25.				
1,1-Dichloroethane	ND	ug/l	3.8				
Chloroform	ND	ug/l	3.8				
Carbon tetrachloride	ND	ug/l	2.5				
1,2-Dichloropropane	ND	ug/l	8.8				
Dibromochloromethane	ND	ug/l	2.5				
1,1,2-Trichloroethane	ND	ug/l	3.8				
Tetrachloroethene	20.	ug/l	2.5				
Chlorobenzene	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	2.5				
1,1,1-Trichloroethane	ND	ug/l	2.5				
Bromodichloromethane	ND	ug/l	2.5				
trans-1,3-Dichloropropene	ND	ug/l	2.5				
cis-1,3-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	10.				
1,1,2,2-Tetrachloroethane	ND	ug/l	2.5				
Chloromethane	ND	ug/l	12.				
Vinyl chloride	87.	ug/l	5.0				
Chloroethane	ND	ug/l	5.0				
1,1-Dichloroethene	ND	ug/l	2.5				
trans-1,2-Dichloroethene	ND	ug/l	3.8				
Trichloroethene	150	ug/l	2.5				
1,2-Dichlorobenzene	ND	ug/l	12.				
1,3-Dichlorobenzene	ND	ug/l	12.				
1,4-Dichlorobenzene	ND	ug/l	12.				
cis-1,2-Dichloroethene	>500	ug/l	2.5				
Dichlorodifluoromethane	ND	ug/l	25.				
1,2-Dibromoethane	ND	ug/l	12.				
1,3-Dichloropropane	ND	ug/l	12.				
1,1,1,2-Tetrachloroethane	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	12.				
p-Chlorotoluene	ND	ug/l	12.				
Hexachlorobutadiene	ND	ug/l	12.				
1,2,4-Trichlorobenzene	ND	ug/l	12.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0309999-07
 MW-264M

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B		1007 00:16	RY
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	86.0	%		70-130			
Toluene-d8	96.0	%		70-130			
4-Bromofluorobenzene	113.	%		70-130			
Dibromofluoromethane	99.0	%		70-130			
Volatile Organics by MCP 8260B				54 8260B		1007 10:53	RY
cis-1,2-Dichloroethene	970	ug/l	5.0				
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	87.0	%		70-130			
Toluene-d8	96.0	%		70-130			
4-Bromofluorobenzene	110.	%		70-130			
Dibromofluoromethane	100.	%		70-130			

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

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

Laboratory Sample Number: L0309999-08	Date Collected: 03-OCT-2003 11:54
MW-264D	Date Received : 03-OCT-2003
Sample Matrix: WATER	Date Reported : 10-OCT-2003
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	1006 20:49	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			
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: L0309999-08
MW-264D

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1006 20:49 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	85.0	%		70-130			
Toluene-d8	96.0	%		70-130			
4-Bromofluorobenzene	113.	%		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**

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

Laboratory Sample Number: L0309999-09	Date Collected: 25-SEP-2003 14:10
	Date Received : 03-OCT-2003
Sample Matrix: TB WATER	Date Reported : 10-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	1006 21:23 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			
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			
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: L0309999-09
 TB

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1006 21:23 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	85.0	%		70-130			
Toluene-d8	96.0	%		70-130			
4-Bromofluorobenzene	113.	%		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**

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

Laboratory Sample Number: L0309999-10	Date Collected: 02-OCT-2003 17:45
MW-268D	Date Received : 03-OCT-2003
Sample Matrix: WATER	Date Reported : 10-OCT-2003
Condition of Sample: Satisfactory	Field Prep: Field Filtered
Number & Type of Containers: 1-Plastic,2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Dissolved Metals						
Arsenic, Dissolved	ND	mg/l	0.010	54 6010B	1006 11:30 1007 12:18	MG
Volatile Organics by MCP 8260B				54 8260B	1006 21:58	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	5.9	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			
cis-1,2-Dichloroethene	8.5	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: L0309999-10
MW-268D

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1006 21:58 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	84.0	%		70-130			
Toluene-d8	95.0	%		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: L0309999-11	Date Collected: 02-OCT-2003 00:00
DUP-12	Date Received : 03-OCT-2003
Sample Matrix: WATER	Date Reported : 10-OCT-2003
Condition of Sample: Satisfactory	Field Prep: Field Filtered
Number & Type of Containers: 1-Plastic,2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Dissolved Metals						
Arsenic, Dissolved	ND	mg/l	0.010	54 6010B	1006 11:30 1007 12:23	MG
Volatile Organics by MCP 8260B				54 8260B	1007 13:47	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	5.7	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			
cis-1,2-Dichloroethene	8.1	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: L0309999-11
 DUP-12

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1007 13:47		RY
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	85.0	%		70-130			
Toluene-d8	95.0	%		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**

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

Laboratory Sample Number: L0309999-12	Date Collected: 03-OCT-2003 09:17
	Date Received : 03-OCT-2003
Sample Matrix: MW-267S WATER	Date Reported : 10-OCT-2003
Condition of Sample: Satisfactory	Field Prep: Field Filtered
Number & Type of Containers: 1-Plastic,2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Dissolved Metals						
Arsenic, Dissolved	ND	mg/l	0.010	54 6010B	1006 11:30 1007 12:27	MG
Volatile Organics by MCP 8260B				54 8260B	1007 00:50	RY
Methylene chloride	ND	ug/l	50.			
1,1-Dichloroethane	ND	ug/l	7.5			
Chloroform	ND	ug/l	7.5			
Carbon tetrachloride	ND	ug/l	5.0			
1,2-Dichloropropane	ND	ug/l	18.			
Dibromochloromethane	ND	ug/l	5.0			
1,1,2-Trichloroethane	ND	ug/l	7.5			
Tetrachloroethene	ND	ug/l	5.0			
Chlorobenzene	ND	ug/l	5.0			
1,2-Dichloroethane	ND	ug/l	5.0			
1,1,1-Trichloroethane	ND	ug/l	5.0			
Bromodichloromethane	ND	ug/l	5.0			
trans-1,3-Dichloropropene	ND	ug/l	5.0			
cis-1,3-Dichloropropene	ND	ug/l	5.0			
Bromoform	ND	ug/l	20.			
1,1,2,2-Tetrachloroethane	ND	ug/l	5.0			
Chloromethane	ND	ug/l	25.			
Vinyl chloride	ND	ug/l	10.			
Chloroethane	ND	ug/l	10.			
1,1-Dichloroethene	ND	ug/l	5.0			
trans-1,2-Dichloroethene	ND	ug/l	7.5			
Trichloroethene	400	ug/l	5.0			
1,2-Dichlorobenzene	ND	ug/l	25.			
1,3-Dichlorobenzene	ND	ug/l	25.			
1,4-Dichlorobenzene	ND	ug/l	25.			
cis-1,2-Dichloroethene	100	ug/l	5.0			
Dichlorodifluoromethane	ND	ug/l	50.			
1,2-Dibromoethane	ND	ug/l	25.			
1,3-Dichloropropane	ND	ug/l	25.			
1,1,1,2-Tetrachloroethane	ND	ug/l	5.0			
o-Chlorotoluene	ND	ug/l	25.			
p-Chlorotoluene	ND	ug/l	25.			
Hexachlorobutadiene	ND	ug/l	25.			
1,2,4-Trichlorobenzene	ND	ug/l	25.			

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0309999-12
 MW-267S

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1007 00:50		RY
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	87.0	%		70-130			
Toluene-d8	96.0	%		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: L0309999-13 Date Collected: 03-OCT-2003 10:55
MW-267M Date Received : 03-OCT-2003
Sample Matrix: WATER Date Reported : 10-OCT-2003
Condition of Sample: Satisfactory Field Prep: Field Filtered
Number & Type of Containers: 1-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Dissolved Metals							
Arsenic, Dissolved	ND	mg/l	0.010	54 6010B	1006 11:30	1007 12:44	MG
Volatile Organics by MCP 8260B				54 8260B	1007 01:24 RY		
Methylene chloride	ND	ug/l	50.				
1,1-Dichloroethane	ND	ug/l	7.5				
Chloroform	ND	ug/l	7.5				
Carbon tetrachloride	ND	ug/l	5.0				
1,2-Dichloropropane	ND	ug/l	18.				
Dibromochloromethane	ND	ug/l	5.0				
1,1,2-Trichloroethane	ND	ug/l	7.5				
Tetrachloroethene	8.3	ug/l	5.0				
Chlorobenzene	ND	ug/l	5.0				
1,2-Dichloroethane	ND	ug/l	5.0				
1,1,1-Trichloroethane	ND	ug/l	5.0				
Bromodichloromethane	ND	ug/l	5.0				
trans-1,3-Dichloropropene	ND	ug/l	5.0				
cis-1,3-Dichloropropene	ND	ug/l	5.0				
Bromoform	ND	ug/l	20.				
1,1,2,2-Tetrachloroethane	ND	ug/l	5.0				
Chloromethane	ND	ug/l	25.				
Vinyl chloride	ND	ug/l	10.				
Chloroethane	ND	ug/l	10.				
1,1-Dichloroethene	ND	ug/l	5.0				
trans-1,2-Dichloroethene	ND	ug/l	7.5				
Trichloroethene	440	ug/l	5.0				
1,2-Dichlorobenzene	ND	ug/l	25.				
1,3-Dichlorobenzene	ND	ug/l	25.				
1,4-Dichlorobenzene	ND	ug/l	25.				
cis-1,2-Dichloroethene	230	ug/l	5.0				
Dichlorodifluoromethane	ND	ug/l	50.				
1,2-Dibromoethane	ND	ug/l	25.				
1,3-Dichloropropane	ND	ug/l	25.				
1,1,1,2-Tetrachloroethane	ND	ug/l	5.0				
o-Chlorotoluene	ND	ug/l	25.				
p-Chlorotoluene	ND	ug/l	25.				
Hexachlorobutadiene	ND	ug/l	25.				
1,2,4-Trichlorobenzene	ND	ug/l	25.				

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0309999-13
MW-267M

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1007 01:24 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	85.0	%		70-130			
Toluene-d8	96.0	%		70-130			
4-Bromofluorobenzene	111.	%		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: L0309999-14	Date Collected: 03-OCT-2003 10:50
MW-267D	Date Received : 03-OCT-2003
Sample Matrix: WATER	Date Reported : 10-OCT-2003
Condition of Sample: Satisfactory	Field Prep: Field Filtered
Number & Type of Containers: 1-Plastic,2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Dissolved Metals						
Arsenic, Dissolved	ND	mg/l	0.010	54 6010B	1006 11:30 1007 12:49	MG
Volatile Organics by MCP 8260B				54 8260B	1006 22:32	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			
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: L0309999-14
MW-267D

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1006 22:32 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	85.0	%		70-130			
Toluene-d8	95.0	%		70-130			
4-Bromofluorobenzene	110.	%		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: L0309999-15		Date Collected: 03-OCT-2003 09:20
	MW-267B	Date Received : 03-OCT-2003
Sample Matrix: WATER		Date Reported : 10-OCT-2003
Condition of Sample: Satisfactory		Field Prep: Field Filtered
Number & Type of Containers: 1-Plastic,2-Vial		

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Dissolved Metals						
Arsenic, Dissolved	ND	mg/l	0.010	54 6010B	1006 11:30 1007 12:54	MG
Volatile Organics by MCP 8260B				54 8260B	1006 23:06 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			
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: L0309999-15
MW-267B

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1006 23:06 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	86.0	%		70-130			
Toluene-d8	93.0	%		70-130			
4-Bromofluorobenzene	111.	%		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: L0309999-16	Date Collected: 03-OCT-2003 13:25
MW-269S	Date Received : 03-OCT-2003
Sample Matrix: WATER	Date Reported : 10-OCT-2003
Condition of Sample: Satisfactory	Field Prep: Field Filtered
Number & Type of Containers: 1-Plastic,2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Dissolved Metals						
Arsenic, Dissolved	0.010	mg/l	0.010	54 6010B	1006 11:30 1007 13:19	MG
Volatile Organics by MCP 8260B				54 8260B	1006 18:26	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	1.6	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			
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: L0309999-16
MW-269S

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1006 18:26 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	106.	%		70-130			
Toluene-d8	100.	%		70-130			
4-Bromofluorobenzene	104.	%		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: L0309999-17	Date Collected: 03-OCT-2003 13:40
MW-269MA	Date Received : 03-OCT-2003
Sample Matrix: WATER	Date Reported : 10-OCT-2003
Condition of Sample: Satisfactory	Field Prep: Field Filtered
Number & Type of Containers: 1-Plastic,2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Dissolved Metals						
Arsenic, Dissolved	ND	mg/l	0.010	54 6010B	1006 11:30 1007 13:24	MG
Volatile Organics by MCP 8260B				54 8260B	1006 19:01	RY
Methylene chloride	ND	ug/l	5.0			
1,1-Dichloroethane	0.82	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			
cis-1,2-Dichloroethene	0.55	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: L0309999-17
MW-269MA

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B		1006 19:01	RY
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	106.	%		70-130			
Toluene-d8	101.	%		70-130			
4-Bromofluorobenzene	105.	%		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: L0309999-18	Date Collected: 03-OCT-2003 14:50
MW-269MB	Date Received : 03-OCT-2003
Sample Matrix: WATER	Date Reported : 10-OCT-2003
Condition of Sample: Satisfactory	Field Prep: Field Filtered
Number & Type of Containers: 1-Plastic,2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Dissolved Metals						
Arsenic, Dissolved	0.016	mg/l	0.010	54 6010B	1006 11:30 1007 13:29	MG
Volatile Organics by MCP 8260B				54 8260B	1006 19:37	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			
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: L0309999-18
MW-269MB

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1006 19:37 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	105.	%		70-130			
Toluene-d8	100.	%		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: L0309999-19	Date Collected: 03-OCT-2003 13:25
MW-269D	Date Received : 03-OCT-2003
Sample Matrix: WATER	Date Reported : 10-OCT-2003
Condition of Sample: Satisfactory	Field Prep: Field Filtered
Number & Type of Containers: 1-Plastic,2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Dissolved Metals						
Arsenic, Dissolved	ND	mg/l	0.010	54 6010B	1006 11:30 1007 13:33	MG
Volatile Organics by MCP 8260B				54 8260B	1006 20:12	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			
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: L0309999-19
MW-269D

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	1006 20:12 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	104.	%		70-130			
Toluene-d8	101.	%		70-130			
4-Bromofluorobenzene	105.	%		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 SPIKE ANALYSES

Laboratory Job Number: L0309999

Parameter	% Recovery	QC Criteria
Dissolved Metals LCS for sample(s) 10-19 (WG152562)		
Arsenic, Dissolved	116	80-120
Volatile Organics by MCP 8260B LCS for sample(s) 01-10,12-15 (WG152597)		
Methylene chloride	88	70-130
1,1-Dichloroethane	99	70-130
Chloroform	95	70-130
Carbon tetrachloride	94	70-130
1,2-Dichloropropane	103	70-130
Dibromochloromethane	89	70-130
1,1,2-Trichloroethane	112	70-130
Tetrachloroethene	107	70-130
Chlorobenzene	110	70-130
1,2-Dichloroethane	88	70-130
1,1,1-Trichloroethane	94	70-130
Bromodichloromethane	92	70-130
trans-1,3-Dichloropropene	90	70-130
cis-1,3-Dichloropropene	93	70-130
Bromoform	110	70-130
1,1,2,2-Tetrachloroethane	114	70-130
Chloromethane	65	70-130
Vinyl chloride	96	70-130
Chloroethane	102	70-130
1,1-Dichloroethene	100	70-130
trans-1,2-Dichloroethene	103	70-130
Trichloroethene	101	70-130
1,2-Dichlorobenzene	104	70-130
1,3-Dichlorobenzene	106	70-130
1,4-Dichlorobenzene	105	70-130
cis-1,2-Dichloroethene	108	70-130
Dichlorodifluoromethane	93	70-130
1,2-Dibromoethane	100	70-130
1,3-Dichloropropane	103	70-130
1,1,1,2-Tetrachloroethane	98	70-130
o-Chlorotoluene	112	70-130
p-Chlorotoluene	112	70-130
Hexachlorobutadiene	104	70-130
1,2,4-Trichlorobenzene	92	70-130
Surrogate(s)		
1,2-Dichloroethane-d4	85	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	99	70-130
Dibromofluoromethane	95	70-130
Volatile Organics by MCP 8260B LCS for sample(s) 07,11 (WG152597)		
Methylene chloride	90	70-130
1,1-Dichloroethane	89	70-130
Chloroform	85	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0309999

Continued

Parameter	% Recovery	QC Criteria
Volatile Organics by MCP 8260B LCS for sample(s) 07,11 (WG152597)		
Carbon tetrachloride	95	70-130
1,2-Dichloropropane	90	70-130
Dibromochloromethane	89	70-130
1,1,2-Trichloroethane	99	70-130
Tetrachloroethene	97	70-130
Chlorobenzene	98	70-130
1,2-Dichloroethane	82	70-130
1,1,1-Trichloroethane	87	70-130
Bromodichloromethane	90	70-130
trans-1,3-Dichloropropene	83	70-130
cis-1,3-Dichloropropene	85	70-130
Bromoform	114	70-130
1,1,2,2-Tetrachloroethane	103	70-130
Chloromethane	55	70-130
Vinyl chloride	88	70-130
Chloroethane	88	70-130
1,1-Dichloroethene	90	70-130
trans-1,2-Dichloroethene	93	70-130
Trichloroethene	90	70-130
1,2-Dichlorobenzene	93	70-130
1,3-Dichlorobenzene	93	70-130
1,4-Dichlorobenzene	93	70-130
cis-1,2-Dichloroethene	95	70-130
Dichlorodifluoromethane	83	70-130
1,2-Dibromoethane	89	70-130
1,3-Dichloropropane	94	70-130
1,1,1,2-Tetrachloroethane	93	70-130
o-Chlorotoluene	101	70-130
p-Chlorotoluene	99	70-130
Hexachlorobutadiene	96	70-130
1,2,4-Trichlorobenzene	79	70-130
Surrogate(s)		
1,2-Dichloroethane-d4	86	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	101	70-130
Dibromofluoromethane	94	70-130
Volatile Organics by MCP 8260B LCS for sample(s) 16-19 (WG152601)		
Methylene chloride	75	70-130
1,1-Dichloroethane	87	70-130
Chloroform	86	70-130
Carbon tetrachloride	89	70-130
1,2-Dichloropropane	92	70-130
Dibromochloromethane	85	70-130
1,1,2-Trichloroethane	88	70-130
Tetrachloroethene	82	70-130
Chlorobenzene	84	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0309999

Continued

Parameter	% Recovery	QC Criteria
Volatile Organics by MCP 8260B LCS for sample(s) 16-19 (WG152601)		
Trichlorofluoromethane	85	70-130
1,2-Dichloroethane	89	70-130
1,1,1-Trichloroethane	89	70-130
Bromodichloromethane	91	70-130
trans-1,3-Dichloropropene	88	70-130
cis-1,3-Dichloropropene	95	70-130
1,1-Dichloropropene	88	70-130
Bromoform	88	70-130
1,1,2,2-Tetrachloroethane	85	70-130
Benzene	77	70-130
Toluene	86	70-130
Ethylbenzene	88	70-130
Chloromethane	77	70-130
Bromomethane	78	70-130
Vinyl chloride	84	70-130
Chloroethane	85	70-130
1,1-Dichloroethene	80	70-130
trans-1,2-Dichloroethene	82	70-130
Trichloroethene	86	70-130
1,2-Dichlorobenzene	86	70-130
1,3-Dichlorobenzene	86	70-130
1,4-Dichlorobenzene	85	70-130
Methyl tert butyl ether	97	70-130
p/m-Xylene	86	70-130
o-Xylene	87	70-130
cis-1,2-Dichloroethene	87	70-130
Dibromomethane	91	70-130
1,2,3-Trichloropropane	93	70-130
Styrene	90	70-130
Dichlorodifluoromethane	66	70-130
Acetone	84	70-130
Carbon disulfide	76	70-130
2-Butanone	74	70-130
4-Methyl-2-pentanone	85	70-130
2-Hexanone	72	70-130
Bromochloromethane	89	70-130
Tetrahydrofuran	113	70-130
2,2-Dichloropropane	95	70-130
1,2-Dibromoethane	88	70-130
1,3-Dichloropropane	91	70-130
1,1,1,2-Tetrachloroethane	86	70-130
Bromobenzene	88	70-130
n-Butylbenzene	90	70-130
sec-Butylbenzene	92	70-130
tert-Butylbenzene	92	70-130
o-Chlorotoluene	90	70-130
p-Chlorotoluene	87	70-130
1,2-Dibromo-3-chloropropane	93	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0309999

Continued

Parameter	% Recovery	QC Criteria
Volatile Organics by MCP 8260B LCS for sample(s) 16-19 (WG152601)		
Hexachlorobutadiene	80	70-130
Isopropylbenzene	84	70-130
p-Isopropyltoluene	91	70-130
Naphthalene	89	70-130
n-Propylbenzene	91	70-130
1,2,3-Trichlorobenzene	83	70-130
1,2,4-Trichlorobenzene	80	70-130
1,3,5-Trimethylbenzene	93	70-130
1,2,4-Trimethylbenzene	95	70-130
Ethyl ether	93	70-130
Isopropyl Ether	91	70-130
Ethyl-Tert-Butyl-Ether	92	70-130
Tertiary-Amyl Methyl Ether	96	70-130
1,4-Dioxane	97	70-130
Surrogate(s)		
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	103	70-130
Dibromofluoromethane	99	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0309999

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
Volatile Organics by MCP 8260B for sample(s) 01-15 (L0309999-01, WG152597)					
Methylene chloride	107	99	8	20	70-130
1,1-Dichloroethane	95	88	8	20	70-130
Chloroform	94	84	11	20	70-130
Carbon tetrachloride	95	88	8	20	70-130
1,2-Dichloropropane	101	93	9	20	70-130
Dibromochloromethane	97	91	6	20	70-130
1,1,2-Trichloroethane	112	109	3	20	70-130
Tetrachloroethene	101	92	9	20	70-130
Chlorobenzene	108	98	10	20	70-130
1,2-Dichloroethane	89	85	5	20	70-130
1,1,1-Trichloroethane	93	85	9	20	70-130
Bromodichloromethane	94	89	5	20	70-130
trans-1,3-Dichloropropene	94	88	6	20	70-130
cis-1,3-Dichloropropene	91	88	4	20	70-130
Bromoform	119	120	1	20	70-130
1,1,2,2-Tetrachloroethane	119	116	3	20	70-130
Chloromethane	56	55	1	20	70-130
Vinyl chloride	90	84	6	20	70-130
Chloroethane	93	81	14	20	70-130
1,1-Dichloroethene	94	88	6	20	70-130
trans-1,2-Dichloroethene	99	91	8	20	70-130
Trichloroethene	100	89	12	20	70-130
1,2-Dichlorobenzene	102	99	3	20	70-130
1,3-Dichlorobenzene	102	96	6	20	70-130
1,4-Dichlorobenzene	102	96	6	20	70-130
cis-1,2-Dichloroethene	107	97	10	20	70-130
Dichlorodifluoromethane	88	81	9	20	70-130
1,2-Dibromoethane	105	102	3	20	70-130
1,3-Dichloropropane	107	103	4	20	70-130
1,1,1,2-Tetrachloroethane	101	93	9	20	70-130
o-Chlorotoluene	108	101	7	20	70-130
p-Chlorotoluene	106	99	6	20	70-130
Hexachlorobutadiene	99	96	4	20	70-130
1,2,4-Trichlorobenzene	89	89	1	20	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	88	84	5		70-130
Toluene-d8	96	96	0		70-130
4-Bromofluorobenzene	101	100	1		70-130
Dibromofluoromethane	96	94	2		70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0309999

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 10-19 (WG152562-1)							
Dissolved Metals							
Arsenic, Dissolved	ND	mg/l	0.010	54 6010B	1006 11:30	1007 12:04	MG
Blank Analysis for sample(s) 01-10,12-15 (WG152597-4)							
Volatile Organics by MCP 8260B				54 8260B	1006 16:11 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				
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	84.0	%	70-130				
Toluene-d8	95.0	%	70-130				
4-Bromofluorobenzene	110.	%	70-130				
Dibromofluoromethane	94.0	%	70-130				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0309999

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 07,11 (WG152597-6)							
Volatile Organics by MCP 8260B				54 8260B		1007 09:43 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				
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	83.0	%	70-130
Toluene-d8	94.0	%	70-130
4-Bromofluorobenzene	111.	%	70-130
Dibromofluoromethane	93.0	%	70-130

Blank Analysis for sample(s) 16-19 (WG152601-2)							
Volatile Organics by MCP 8260B				54 8260B		1006 16:39 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				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0309999

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 16-19 (WG152601-2)							
Volatile Organics by MCP 8260B continued				54 8260B		1006 16:39 RY	
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
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				
Bromobenzene	ND	ug/l	2.5				

ALPHA ANALYTICAL LABORATORIES
 QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0309999

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 16-19 (WG152601-2)							
Volatile Organics by MCP 8260B continued				54 8260B		1006 16:39	RY
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	2.5				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	106.	%	70-130				
Toluene-d8	99.0	%	70-130				
4-Bromofluorobenzene	106.	%	70-130				
Dibromofluoromethane	99.0	%	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: L0309999

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
L0309999-01A	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-01B	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-01C	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-01D	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-02A	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-02B	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-03A	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-03B	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-04A	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-04B	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-05A	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-05B	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-06A	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-06B	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-07A	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-07B	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-08A	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-08B	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-09A	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-10A	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-10B	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-10C	Plastic 250ml HNO3 preserved	A	<2	4.1 C	Y	Absent	AS-SI
L0309999-11A	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-11B	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-11C	Plastic 250ml HNO3 preserved	A	<2	4.1 C	Y	Absent	AS-SI
L0309999-12A	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-12B	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-12C	Plastic 250ml HNO3 preserved	A	<2	4.1 C	Y	Absent	AS-SI
L0309999-13A	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-13B	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-13C	Plastic 250ml HNO3 preserved	A	<2	4.1 C	Y	Absent	AS-SI
L0309999-14A	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-14B	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-14C	Plastic 250ml HNO3 preserved	A	<2	4.1 C	Y	Absent	AS-SI
L0309999-15A	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-15B	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-15C	Plastic 250ml HNO3 preserved	A	>12	4.1 C	N	Absent	AS-SI
L0309999-16A	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-16B	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-16C	Plastic 250ml HNO3 preserved	A	<2	4.1 C	Y	Absent	AS-SI
L0309999-17A	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260

ALPHA ANALYTICAL LABORATORIES
LOGIN SPECIFIC INFORMATION

Laboratory Job Number: L0309999

Continued

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0309999-17B	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-17C	Plastic 250ml HNO3 preserved	A	<2	4.1 C	Y	Absent	AS-SI
L0309999-18A	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-18B	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-18C	Plastic 250ml HNO3 preserved	A	<2	4.1 C	Y	Absent	AS-SI
L0309999-19A	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-19B	Vial HCl preserved	A	NA	4.1 C	Y	Absent	MCP-8260
L0309999-19C	Plastic 250ml HNO3 preserved	A	<2	4.1 C	Y	Absent	AS-SI

Container Comments

Container ID Comments

CHAIN OF CUSTODY

PAGE 1 OF 2

ALPHA
 Eight Walkup Drive Westborough, MA 01581
 TEL: 508-859-9220 FAX: 508-898-9193

Client Information
 Client: ERM
 Address: 399 Baylston St R6 Boston, MA 02116
 Phone: 617 267 8377
 Fax: 617 267 6447
 Email:

Project Information
 Project Name: Raytheon
 Project Location: Weymouth, MA
 Project #: 1922.07.2
 Project Manager: J. Rowland
 ALPHA Quote #:

Turn-Around Time
 Standard RUSH (only confirmed if pre-approved)
 Date Due: 10/10/03 Time:

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials
09999	MW-2635	10/3/03	1315	MW	VZ
1	MW-2635-MS/D	10/3/03	1315	MW	VZ
2	MW-263M	10/3/03	1210	MW	VZ
3	MW-262S	10/3/03	917	MW	WS
4	MW-262M	10/3/03	1003	MW	WS
5	MW-262D	10/3/03	942	MW	KRK
6	MW-264S	10/3/03	1128	MW	KRK
7	MW-264M	10/3/03	1111	MW	KRK
8	MW-264D	10/3/03	1154	MW	WS
9	TB	9/25/03	1410	-	DS

ANALYSIS
 8021C
 833 KKK

TOTAL #	BOTTLES	Sample Specific Comments
2	2	*field filtered using 12-0.45 micron filter
2	2	
2	2	
2	2	
2	2	
2	2	
2	2	
2	2	
1	1	

ALPHA Job #: L0309999

Date Rec'd in Lab: 10/3/03

Report Information - Data Deliverables
 FAX EMAIL
 ADEX Add'l Deliverables hand 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?

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY
 IS YOUR PROJECT MCP?
 Refiniquished By: [Signature] Date/Time: 10/19/03 1555
 Received By: [Signature] Date/Time: 10/19/03 1400
 Container Type: VP
 Preservative: BC

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

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

Client Information

Client: ERM
Address: 395 Bayshore St Fl6
Boston MA 02116
Phone: 617 267 8377
Fax: 617 267 6447
Email:

Project Information

Project Name: Raytheon
Project Location: Weymouth, MA
Project #: 1922.07.2
Project Manager: J Picard
ALPHA Quote #:
Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: 10/10/03 Time:

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Job #: 60309999

Date Rec'd in Lab: 10/3/03

Report Information - Data Deliverables

FAX EMAIL Add'l Deliverables (e.g. W/L)

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)

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Time	Sample Matrix	Sampler's Initials	TOTAL #	BOTTLES
09999.10	MW-268D	10/2/03	1745	MW	JTF	2	3
12	DUR-12	10/2/03	2400	MW	JTF	2	3
13	MW-267S	10/3/03	917	MW	JTF	2	3
13	MW-267M	10/3/03	1055	MW	JTF	2	3
14	MW-267D	10/3/03	1050	MW	JTF	2	3
15	MW-267B	10/3/03	920	MW	JTF	2	3
16	MW-269S	10/3/03	1325	MW	JTF	2	3
17	MW-269Ma	10/3/03	1340	MW	JTF	2	3
18	MW-269Mb	10/3/03	1450	MW	WS	2	3
19	MW-269D	10/3/03	1325	MW	BRK	2	3

ANALYSIS
802/C
diss Arsenic *

* field filtered
using 0.45 micron filter

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR PROJECT MCP ?

Relinquished By: [Signature]

Date/Time: 10/3/03 1555

Received By: [Signature] Date/Time: 10/3/03 1600

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.