

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: L0504099  
Address: 399 Boylston Street  
6th Floor  
Boston, MA 02116 Date Received: 15-APR-2005  
Attn: Jeremy Picard Date Reported: 22-APR-2005  
Project Number: 28047 Delivery Method: Alpha  
Site: RAYTHEON WAYLAND

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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.

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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.

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Authorized by: Kathleen M. O'Brien  
This document electronically signed

ALPHA ANALYTICAL LABORATORIES

Laboratory Job Number: L0504099  
Date Reported: 22-APR-2005

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ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0504099-01	MW-268M-20050414-01	WAYLAND, MA
L0504099-02	MW-268S-20050414-01	WAYLAND, MA
L0504099-03	DEP-19M-20050414-01	WAYLAND, MA
L0504099-04	DEP-19D-20050414-01	WAYLAND, MA
L0504099-05	DEP-20-20050414-01	WAYLAND, MA
L0504099-06	DEP-21-20050414-01	WAYLAND, MA

ALPHA ANALYTICAL LABORATORIES  
NARRATIVE REPORT

Laboratory Job Number: L0504099

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MCP Related Narratives

Report Submission

In reference to question F, the samples were analyzed only for the compounds specified on the chain of custody.

Volatile Organics

L0504099-01 has elevated limits of detection due to the 100x dilution required by the elevated concentrations of target compounds in the sample.

In reference to question E, the WG199835-1 and -2 LCS/LCSD % recoveries for Dichlorodifluoromethane, a difficult analyte, are 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

<b>Laboratory Sample Number:</b> L0504099-01	<b>Date Collected:</b> 14-APR-2005 08:45
MW-268M-20050414-01	<b>Date Received :</b> 15-APR-2005
<b>Sample Matrix:</b> WATER	<b>Date Reported :</b> 22-APR-2005
<b>Condition of Sample:</b> Satisfactory	<b>Field Prep:</b> Field Filtered
<b>Number &amp; Type of Containers:</b> 1-Plastic,2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Dissolved Metals by MCP 6000/7000 series				60 6010B		
Arsenic, Dissolved	ND	mg/l	0.005	60 6010B	0420 18:00 0421 12:47	MG
Volatile Organics by MCP 8260B				60 8260B	0421 01:53	TT
Methylene chloride	ND	ug/l	500			
1,1-Dichloroethane	ND	ug/l	75.			
Chloroform	ND	ug/l	75.			
Carbon tetrachloride	ND	ug/l	50.			
1,2-Dichloropropane	ND	ug/l	180			
Dibromochloromethane	ND	ug/l	50.			
1,1,2-Trichloroethane	ND	ug/l	75.			
Tetrachloroethene	66.	ug/l	50.			
Chlorobenzene	ND	ug/l	50.			
1,2-Dichloroethane	ND	ug/l	50.			
1,1,1-Trichloroethane	ND	ug/l	50.			
Bromodichloromethane	ND	ug/l	50.			
trans-1,3-Dichloropropene	ND	ug/l	50.			
cis-1,3-Dichloropropene	ND	ug/l	50.			
Bromoform	ND	ug/l	200			
1,1,2,2-Tetrachloroethane	ND	ug/l	50.			
Chloromethane	ND	ug/l	250			
Vinyl chloride	350	ug/l	100			
Chloroethane	ND	ug/l	100			
1,1-Dichloroethene	ND	ug/l	50.			
trans-1,2-Dichloroethene	ND	ug/l	75.			
Trichloroethene	2600	ug/l	50.			
1,2-Dichlorobenzene	ND	ug/l	250			
1,3-Dichlorobenzene	ND	ug/l	250			
1,4-Dichlorobenzene	ND	ug/l	250			
cis-1,2-Dichloroethene	6000	ug/l	50.			
Dichlorodifluoromethane	ND	ug/l	500			
1,2-Dibromoethane	ND	ug/l	200			
1,3-Dichloropropane	ND	ug/l	250			
1,1,1,2-Tetrachloroethane	ND	ug/l	50.			
o-Chlorotoluene	ND	ug/l	250			
p-Chlorotoluene	ND	ug/l	250			
Hexachlorobutadiene	ND	ug/l	100			
1,2,4-Trichlorobenzene	ND	ug/l	250			

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

**ALPHA ANALYTICAL LABORATORIES  
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0504099-01  
MW-268M-20050414-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				60 8260B	0421 01:53		TT
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	102.	%		70-130			
Toluene-d8	98.0	%		70-130			
4-Bromofluorobenzene	94.0	%		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

<b>Laboratory Sample Number:</b> L0504099-02	<b>Date Collected:</b> 14-APR-2005 11:40
MW-268S-20050414-01	<b>Date Received :</b> 15-APR-2005
<b>Sample Matrix:</b> WATER	<b>Date Reported :</b> 22-APR-2005
<b>Condition of Sample:</b> Satisfactory	<b>Field Prep:</b> Field Filtered
<b>Number &amp; Type of Containers:</b> 1-Plastic,2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Dissolved Metals by MCP 6000/7000 series				60 6010B		
Arsenic, Dissolved	ND	mg/l	0.005	60 6010B	0420 18:00 0421 13:24	MG
Volatile Organics by MCP 8260B				60 8260B	0421 11:32	TT
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	2.0			
1,3-Dichloropropane	ND	ug/l	2.5			
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50			
o-Chlorotoluene	ND	ug/l	2.5			
p-Chlorotoluene	ND	ug/l	2.5			
Hexachlorobutadiene	ND	ug/l	1.0			
1,2,4-Trichlorobenzene	ND	ug/l	2.5			

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

**ALPHA ANALYTICAL LABORATORIES  
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0504099-02  
MW-268S-20050414-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				60 8260B	0421 11:32		TT
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	100.	%		70-130			
Toluene-d8	92.0	%		70-130			
4-Bromofluorobenzene	89.0	%		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

<b>Laboratory Sample Number:</b> L0504099-03	<b>Date Collected:</b> 14-APR-2005 16:10
DEP-19M-20050414-01	<b>Date Received :</b> 15-APR-2005
<b>Sample Matrix:</b> WATER	<b>Date Reported :</b> 22-APR-2005
<b>Condition of Sample:</b> Satisfactory	<b>Field Prep:</b> None
<b>Number &amp; Type of Containers:</b> 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by MCP 8260B				60 8260B	0420 23:29 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	0.64	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	4.9	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	26.	ug/l	0.50			
Dichlorodifluoromethane	ND	ug/l	5.0			
1,2-Dibromoethane	ND	ug/l	2.0			
1,3-Dichloropropane	ND	ug/l	2.5			
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50			
o-Chlorotoluene	ND	ug/l	2.5			
p-Chlorotoluene	ND	ug/l	2.5			
Hexachlorobutadiene	ND	ug/l	1.0			
1,2,4-Trichlorobenzene	ND	ug/l	2.5			

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



**ALPHA ANALYTICAL LABORATORIES  
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0504099-03  
DEP-19M-20050414-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				60 8260B	0420 23:29 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	113.	%		70-130			
Toluene-d8	98.0	%		70-130			
4-Bromofluorobenzene	104.	%		70-130			
Dibromofluoromethane	106.	%		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

<b>Laboratory Sample Number:</b> L0504099-04	<b>Date Collected:</b> 14-APR-2005 17:00
DEP-19D-20050414-01	<b>Date Received :</b> 15-APR-2005
<b>Sample Matrix:</b> WATER	<b>Date Reported :</b> 22-APR-2005
<b>Condition of Sample:</b> Satisfactory	<b>Field Prep:</b> None
<b>Number &amp; Type of Containers:</b> 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B				60 8260B	0421 00:05 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	2.0	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
cis-1,2-Dichloroethene	2.1	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				

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

**ALPHA ANALYTICAL LABORATORIES  
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0504099-04  
DEP-19D-20050414-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				60 8260B	0421 00:05 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	108.	%		70-130			
Toluene-d8	96.0	%		70-130			
4-Bromofluorobenzene	99.0	%		70-130			
Dibromofluoromethane	101.	%		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:	L0504099-05	Date Collected:	14-APR-2005 17:40
	DEP-20-20050414-01	Date Received :	15-APR-2005
Sample Matrix:	WATER	Date Reported :	22-APR-2005
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				60 8260B	0421 00:41	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	2.0			
1,3-Dichloropropane	ND	ug/l	2.5			
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50			
o-Chlorotoluene	ND	ug/l	2.5			
p-Chlorotoluene	ND	ug/l	2.5			
Hexachlorobutadiene	ND	ug/l	1.0			
1,2,4-Trichlorobenzene	ND	ug/l	2.5			

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

**ALPHA ANALYTICAL LABORATORIES  
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0504099-05  
DEP-20-20050414-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				60 8260B	0421 00:41		RY
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	119.	%		70-130			
Toluene-d8	97.0	%		70-130			
4-Bromofluorobenzene	102.	%		70-130			
Dibromofluoromethane	110.	%		70-130			

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

**ALPHA ANALYTICAL LABORATORIES  
CERTIFICATE OF ANALYSIS**

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

<b>Laboratory Sample Number:</b> L0504099-06	<b>Date Collected:</b> 14-APR-2005 16:30
DEP-21-20050414-01	<b>Date Received :</b> 15-APR-2005
<b>Sample Matrix:</b> WATER	<b>Date Reported :</b> 22-APR-2005
<b>Condition of Sample:</b> Satisfactory	<b>Field Prep:</b> None
<b>Number &amp; Type of Containers:</b> 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by MCP 8260B				60 8260B	0421 01:17 RY	
Methylene chloride	ND	ug/l	5.0			
1,1-Dichloroethane	ND	ug/l	0.75			
Chloroform	ND	ug/l	0.75			
Carbon tetrachloride	ND	ug/l	0.50			
1,2-Dichloropropane	ND	ug/l	1.8			
Dibromochloromethane	ND	ug/l	0.50			
1,1,2-Trichloroethane	ND	ug/l	0.75			
Tetrachloroethene	1.8	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	4.3	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			
cis-1,2-Dichloroethene	19.	ug/l	0.50			
Dichlorodifluoromethane	ND	ug/l	5.0			
1,2-Dibromoethane	ND	ug/l	2.0			
1,3-Dichloropropane	ND	ug/l	2.5			
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50			
o-Chlorotoluene	ND	ug/l	2.5			
p-Chlorotoluene	ND	ug/l	2.5			
Hexachlorobutadiene	ND	ug/l	1.0			
1,2,4-Trichlorobenzene	ND	ug/l	2.5			

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

**ALPHA ANALYTICAL LABORATORIES  
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0504099-06  
DEP-21-20050414-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				60 8260B	0421 01:17		RY
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	111.	%		70-130			
Toluene-d8	97.0	%		70-130			
4-Bromofluorobenzene	101.	%		70-130			
Dibromofluoromethane	107.	%		70-130			

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

**ALPHA ANALYTICAL LABORATORIES**  
**QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS**

Laboratory Job Number: L0504099

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Dissolved Metals by MCP 6000/7000 series for sample(s) 01-02 (WG199780-2, WG199780-3)					
Arsenic, Dissolved	100	100	0	20	75-125
Volatile Organics by MCP 8260B for sample(s) 03-06 (WG199832-6, WG199832-7)					
Methylene chloride	100	100	0	25	70-130
1,1-Dichloroethane	113	116	3	25	70-130
Chloroform	106	105	1	25	70-130
Carbon tetrachloride	119	121	2	25	70-130
1,2-Dichloropropane	100	103	3	25	70-130
Dibromochloromethane	99	96	3	25	70-130
1,1,2-Trichloroethane	95	91	4	25	70-130
Tetrachloroethene	100	101	1	25	70-130
Chlorobenzene	99	97	2	25	70-130
1,2-Dichloroethane	107	104	3	25	70-130
1,1,1-Trichloroethane	112	116	4	25	70-130
Bromodichloromethane	100	101	1	25	70-130
trans-1,3-Dichloropropene	95	90	5	25	70-130
cis-1,3-Dichloropropene	97	98	1	25	70-130
Bromoform	109	107	2	50	70-130
1,1,2,2-Tetrachloroethane	101	105	4	25	70-130
Benzene	105	106	1	25	70-130
Chloromethane	72	72	0	50	70-130
Vinyl chloride	97	95	2	25	70-130
Chloroethane	91	92	1	25	70-130
1,1-Dichloroethene	96	101	5	25	70-130
trans-1,2-Dichloroethene	100	102	2	25	70-130
Trichloroethene	104	103	1	25	70-130
1,2-Dichlorobenzene	99	102	3	25	70-130
1,3-Dichlorobenzene	96	102	6	25	70-130
1,4-Dichlorobenzene	96	100	4	25	70-130
Methyl tert butyl ether	106	108	2	25	70-130
cis-1,2-Dichloroethene	97	98	1	25	70-130
Dichlorodifluoromethane	80	81	1	50	70-130
1,2-Dibromoethane	99	95	4	25	70-130
1,3-Dichloropropane	92	92	0	25	70-130
1,1,1,2-Tetrachloroethane	101	98	3	25	70-130
o-Chlorotoluene	95	99	4	25	70-130
p-Chlorotoluene	91	96	5	25	70-130
Hexachlorobutadiene	100	101	1	25	70-130
1,2,4-Trichlorobenzene	110	115	4	25	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	108	109	1		70-130
Toluene-d8	96	94	2		70-130
4-Bromofluorobenzene	97	100	3		70-130
Dibromofluoromethane	105	104	1		70-130



ALPHA ANALYTICAL LABORATORIES  
 QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0504099

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 01 (WG199835-1, WG199835-2)					
Methylene chloride	105	101	4	25	70-130
1,1-Dichloroethane	107	102	5	25	70-130
Chloroform	100	98	2	25	70-130
Carbon tetrachloride	103	97	6	25	70-130
1,2-Dichloropropane	102	100	2	25	70-130
Dibromochloromethane	96	93	3	25	70-130
1,1,2-Trichloroethane	113	109	4	25	70-130
Tetrachloroethene	103	99	4	25	70-130
Chlorobenzene	100	96	4	25	70-130
1,2-Dichloroethane	116	112	4	25	70-130
1,1,1-Trichloroethane	105	99	6	25	70-130
Bromodichloromethane	99	96	3	25	70-130
trans-1,3-Dichloropropene	101	97	4	25	70-130
cis-1,3-Dichloropropene	97	94	3	25	70-130
Bromoform	90	88	2	50	70-130
1,1,2,2-Tetrachloroethane	105	101	4	25	70-130
Chloromethane	89	87	2	50	70-130
Vinyl chloride	101	101	0	25	70-130
Chloroethane	113	108	5	25	70-130
1,1-Dichloroethene	99	96	3	25	70-130
trans-1,2-Dichloroethene	103	99	4	25	70-130
Trichloroethene	106	102	4	25	70-130
1,2-Dichlorobenzene	101	100	1	25	70-130
1,3-Dichlorobenzene	101	98	3	25	70-130
1,4-Dichlorobenzene	101	98	3	25	70-130
cis-1,2-Dichloroethene	107	102	5	25	70-130
Dichlorodifluoromethane	67	63	6	50	70-130
1,2-Dibromoethane	105	103	2	25	70-130
1,3-Dichloropropane	107	105	2	25	70-130
1,1,1,2-Tetrachloroethane	99	96	3	25	70-130
o-Chlorotoluene	98	94	4	25	70-130
p-Chlorotoluene	100	96	4	25	70-130
Hexachlorobutadiene	95	90	5	25	70-130
1,2,4-Trichlorobenzene	103	94	9	25	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	101	107	6		70-130
Toluene-d8	92	97	5		70-130
4-Bromofluorobenzene	87	93	7		70-130
Dibromofluoromethane	94	99	5		70-130
Volatile Organics by MCP 8260B for sample(s) 02 (WG199961-1, WG199961-2)					
Methylene chloride	97	98	1	25	70-130
1,1-Dichloroethane	99	102	3	25	70-130
Chloroform	94	95	1	25	70-130
Carbon tetrachloride	93	96	3	25	70-130
1,2-Dichloropropane	94	96	2	25	70-130

ALPHA ANALYTICAL LABORATORIES  
 QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0504099

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 02 (WG199961-1, WG199961-2)					
Dibromochloromethane	89	87	2	25	70-130
1,1,2-Trichloroethane	101	101	0	25	70-130
Tetrachloroethene	97	100	3	25	70-130
Chlorobenzene	96	97	1	25	70-130
1,2-Dichloroethane	104	104	0	25	70-130
1,1,1-Trichloroethane	95	96	1	25	70-130
Bromodichloromethane	92	93	1	25	70-130
trans-1,3-Dichloropropene	92	91	1	25	70-130
cis-1,3-Dichloropropene	88	90	2	25	70-130
Bromoform	81	79	3	50	70-130
1,1,2,2-Tetrachloroethane	92	89	3	25	70-130
Chloromethane	116	120	3	50	70-130
Vinyl chloride	120	129	7	25	70-130
Chloroethane	119	124	4	25	70-130
1,1-Dichloroethene	93	92	1	25	70-130
trans-1,2-Dichloroethene	96	99	3	25	70-130
Trichloroethene	98	100	2	25	70-130
1,2-Dichlorobenzene	96	97	1	25	70-130
1,3-Dichlorobenzene	97	100	3	25	70-130
1,4-Dichlorobenzene	97	98	1	25	70-130
cis-1,2-Dichloroethene	94	97	3	25	70-130
Dichlorodifluoromethane	103	107	4	50	70-130
1,2-Dibromoethane	94	93	1	25	70-130
1,3-Dichloropropane	98	96	2	25	70-130
1,1,1,2-Tetrachloroethane	96	98	2	25	70-130
o-Chlorotoluene	90	97	7	25	70-130
p-Chlorotoluene	96	98	2	25	70-130
Hexachlorobutadiene	87	90	3	25	70-130
1,2,4-Trichlorobenzene	78	74	5	25	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	100	104	4		70-130
Toluene-d8	98	100	2		70-130
4-Bromofluorobenzene	92	95	3		70-130
Dibromofluoromethane	99	101	2		70-130

ALPHA ANALYTICAL LABORATORIES  
 QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0504099

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
Volatile Organics by MCP 8260B for sample(s) 03-06 (L0504027-04, WG199832-2)					
Methylene chloride	102	104	2	30	70-130
1,1-Dichloroethane	97	102	5	30	70-130
Chloroform	103	106	3	30	70-130
Carbon tetrachloride	126	118	7	30	70-130
1,2-Dichloropropane	104	101	3	30	70-130
Dibromochloromethane	98	94	4	30	70-130
1,1,2-Trichloroethane	95	90	5	30	70-130
Tetrachloroethene	106	99	7	30	70-130
Chlorobenzene	98	95	3	30	70-130
1,2-Dichloroethane	107	114	6	30	70-130
1,1,1-Trichloroethane	118	112	5	30	70-130
Bromodichloromethane	98	97	1	30	70-130
trans-1,3-Dichloropropene	90	85	6	30	70-130
cis-1,3-Dichloropropene	92	89	3	30	70-130
Bromoform	105	100	5	30	70-130
1,1,2,2-Tetrachloroethane	97	95	2	30	70-130
Benzene	104	103	1	30	70-130
Chloromethane	90	84	7	30	70-130
Vinyl chloride	98	101	3	30	70-130
Chloroethane	97	97	0	30	70-130
1,1-Dichloroethene	102	109	7	30	70-130
trans-1,2-Dichloroethene	102	109	7	30	70-130
Trichloroethene	105	104	1	30	70-130
1,2-Dichlorobenzene	96	97	1	30	70-130
1,3-Dichlorobenzene	96	97	1	30	70-130
1,4-Dichlorobenzene	94	96	2	30	70-130
Methyl tert butyl ether	92	95	3	30	70-130
cis-1,2-Dichloroethene	100	105	5	30	70-130
Dichlorodifluoromethane	76	84	10	30	70-130
1,2-Dibromoethane	98	94	4	30	70-130
1,3-Dichloropropane	92	90	2	30	70-130
1,1,1,2-Tetrachloroethane	103	98	5	30	70-130
o-Chlorotoluene	94	95	1	30	70-130
p-Chlorotoluene	93	91	2	30	70-130
Hexachlorobutadiene	94	95	1	30	70-130
1,2,4-Trichlorobenzene	103	105	2	30	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	108	113	5		70-130
Toluene-d8	97	99	2		70-130
4-Bromofluorobenzene	101	103	2		70-130
Dibromofluoromethane	106	111	5		70-130

**ALPHA ANALYTICAL LABORATORIES**  
**QUALITY ASSURANCE BATCH BLANK ANALYSIS**

Laboratory Job Number: L0504099

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP      ANAL	ID
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Blank Analysis for sample(s) 01-02 (WG199780-1)						
Dissolved Metals by MCP 6000/7000 series				60 6010B		

Arsenic, Dissolved	ND	mg/l	0.005	60 6010B	0420 18:00	0421 12:07 MG
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Blank Analysis for sample(s) 03-06 (WG199832-8)						
Volatile Organics by MCP 8260B				60 8260B		0420 18:01 RY

Methylene chloride	ND	ug/l	5.0			
1,1-Dichloroethane	ND	ug/l	0.75			
Chloroform	ND	ug/l	0.75			
Carbon tetrachloride	ND	ug/l	0.50			
1,2-Dichloropropane	ND	ug/l	1.8			
Dibromochloromethane	ND	ug/l	0.50			
1,1,2-Trichloroethane	ND	ug/l	0.75			
Tetrachloroethene	ND	ug/l	0.50			
Chlorobenzene	ND	ug/l	0.50			
1,2-Dichloroethane	ND	ug/l	0.50			
1,1,1-Trichloroethane	ND	ug/l	0.50			
Bromodichloromethane	ND	ug/l	0.50			
trans-1,3-Dichloropropene	ND	ug/l	0.50			
cis-1,3-Dichloropropene	ND	ug/l	0.50			
Bromoform	ND	ug/l	2.0			
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50			
Benzene	ND	ug/l	0.50			
Chloromethane	ND	ug/l	2.5			
Vinyl chloride	ND	ug/l	1.0			
Chloroethane	ND	ug/l	1.0			
1,1-Dichloroethene	ND	ug/l	0.50			
trans-1,2-Dichloroethene	ND	ug/l	0.75			
Trichloroethene	ND	ug/l	0.50			
1,2-Dichlorobenzene	ND	ug/l	2.5			
1,3-Dichlorobenzene	ND	ug/l	2.5			
1,4-Dichlorobenzene	ND	ug/l	2.5			
Methyl tert butyl ether	ND	ug/l	1.0			
cis-1,2-Dichloroethene	ND	ug/l	0.50			
Dichlorodifluoromethane	ND	ug/l	5.0			
1,2-Dibromoethane	ND	ug/l	2.0			
1,3-Dichloropropane	ND	ug/l	2.5			
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50			
o-Chlorotoluene	ND	ug/l	2.5			
p-Chlorotoluene	ND	ug/l	2.5			
Hexachlorobutadiene	ND	ug/l	1.0			
1,2,4-Trichlorobenzene	ND	ug/l	2.5			

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	106.	%	70-130
Toluene-d8	98.0	%	70-130
4-Bromofluorobenzene	106.	%	70-130

ALPHA ANALYTICAL LABORATORIES  
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0504099

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 03-06 (WG199832-8)							
Volatile Organics by MCP 8260B continued				60 8260B		0420 18:01	RY
Dibromofluoromethane	99.0	%	70-130				
Blank Analysis for sample(s) 01 (WG199835-3)							
Volatile Organics by MCP 8260B				60 8260B		0420 16:39	TT
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	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	106.	%	70-130				
Toluene-d8	101.	%	70-130				
4-Bromofluorobenzene	95.0	%	70-130				
Dibromofluoromethane	97.0	%	70-130				

ALPHA ANALYTICAL LABORATORIES  
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0504099

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 02 (WG199961-3)							
Volatile Organics by MCP 8260B				60 8260B	0421 07:54 TT		
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	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	103.	%	70-130				
Toluene-d8	102.	%	70-130				
4-Bromofluorobenzene	98.0	%	70-130				
Dibromofluoromethane	101.	%	70-130				

**ALPHA ANALYTICAL LABORATORIES  
ADDENDUM I**

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**REFERENCES**

60. Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). May 2004.

**GLOSSARY OF TERMS AND SYMBOLS**

REF Reference number in which test method may be found.  
METHOD Method number by which analysis was performed.  
ID Initials of the analyst.  
ND Not detected in comparison to the reported detection limit.  
NI Not Ignitable.  
ug/cart Micrograms per Cartridge.

**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: L0504099

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Were project specific reporting limits specified? YES

**Cooler Information**

Cooler	Custody Seal
A	Absent

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**Container Information**

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0504099-01A	Vial HCl preserved	A	N/A	3.6 C	Y	Absent	MCP-8260-04
L0504099-01B	Vial HCl preserved	A	N/A	3.6 C	Y	Absent	MCP-8260-04
L0504099-01C	Plastic 250ml HNO3 preserved	A	<2	3.6 C	Y	Absent	MCP-AS-6010S
L0504099-02A	Vial HCl preserved	A	N/A	3.6 C	Y	Absent	MCP-8260-04
L0504099-02B	Vial HCl preserved	A	N/A	3.6 C	Y	Absent	MCP-8260-04
L0504099-02C	Plastic 250ml HNO3 preserved	A	<2	3.6 C	Y	Absent	MCP-AS-6010S
L0504099-03A	Vial HCl preserved	A	N/A	3.6 C	Y	Absent	MCP-8260-04
L0504099-03B	Vial HCl preserved	A	N/A	3.6 C	Y	Absent	MCP-8260-04
L0504099-04A	Vial HCl preserved	A	N/A	3.6 C	Y	Absent	MCP-8260-04
L0504099-04B	Vial HCl preserved	A	N/A	3.6 C	Y	Absent	MCP-8260-04
L0504099-05A	Vial HCl preserved	A	N/A	3.6 C	Y	Absent	MCP-8260-04
L0504099-05B	Vial HCl preserved	A	N/A	3.6 C	Y	Absent	MCP-8260-04
L0504099-06A	Vial HCl preserved	A	N/A	3.6 C	Y	Absent	MCP-8260-04
L0504099-06B	Vial HCl preserved	A	N/A	3.6 C	Y	Absent	MCP-8260-04

**Container Comments**

Container ID	Comments
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# CHAIN OF CUSTODY

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

**Client Information**

Client: ERM

Address: 399 Boylston St Boston, MA

Phone: 117-646-7800

Fax:

Email:

**Project Information**

Project Name: Raytheon - Weymouth

Project Location: Weymouth, MA

Project #: 28047

Project Manager: J. Ricard

ALPHA Quote #:

Turn-Around Time

Standard

RUSH (only confirmed if pre-approved)

Date Due: 4/22

Time:

Other Project Specific Requirements/Comments/Detection Limits:

Date Rec'd in Lab: 4/15

ALPHA Job #: 2074099

**Report Information - Data Deliverables**

FAX  EMAIL

ADEX  Add'l Deliverables

Same as Client info

PO #:

**Regulatory Requirements/Report Limits**

State / Fed Program

Criteria

**MCP PRESUMPTIVE CERTAINTY - THESE QUESTIONS MUST BE ANSWERED**

Yes  No Are MCP Analytical Methods Required?

Yes  No Are Drinking Water Samples Submitted?

Yes  No Have you met minimum field QC requirements?

**SAMPLE HANDLING**

Filtration  Done

Not needed

Lab to do  Lab to do

Preservation  Lab to do

(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Time	Sample Matrix	Sampler's Initials	Container Type	Preservative	Relinquished By:	Date/Time	Received By:	Date/Time	Sample Specific Comments
4099.1	MUO-2008-20080414-01	4-14-08	08:15	GW	BT	Z	1	<u>Brian T...</u>	<u>4/15/08</u>	<u>[Signature]</u>	<u>4/15/08</u>	*Field Colored using QMS method
2	MUO-2008-20080414-01	4-14-08	11:40	GW	BT	Z	1					
3	DER-19A-20080414-01	4-14-08	16:10		BT	Z						
	<del>DER-19B-20080414-01</del>											
4	DER-19D-20080414-01	4-14-08	17:00	GW	BT	Z						
	DER-20-20080414-01	4-14-08	17:40	GW	WH	Z						
6	DER-21-20080414-01	4-14-08	16:30	GW	TD	Z						

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR PROJECT MCP?

Relinquished By:

Date/Time

Received By:

Date/Time

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.