

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: L0404460  
Address: 399 Boylston Street  
6th Floor  
Boston, MA 02116 Date Received: 29-APR-2004  
Attn: Jeremy Picard Date Reported: 06-MAY-2004  
Project Number: 13606.03.02 Delivery Method: Alpha  
Site: RAYTHEON

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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: Scott McLean  
This document electronically signed

ALPHA ANALYTICAL LABORATORIES

Laboratory Job Number: L0404460  
Date Reported: 06-MAY-2004

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ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0404460-01	MW-268S	WAYLAND, MA
L0404460-02	MW-268D	WAYLAND, MA
L0404460-03	MW-268B	WAYLAND, MA
L0404460-04	MW-268M	WAYLAND, MA
L0404460-05	DUP-8	WAYLAND, MA
L0404460-06	MW-267D	WAYLAND, MA
L0404460-07	MW-267B	WAYLAND, MA

ALPHA ANALYTICAL LABORATORIES  
NARRATIVE REPORT

Laboratory Job Number: L0404460

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Report Submission

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

Volatile Organics

L0404460-04 has elevated limits of detection due to the 200x dilutions required by the elevated concentrations of target compounds in the sample.

In reference to question E, the LCS associated with -06 and -07 has low recoveries for Bromomethane and 1,4-dioxane, both difficult analytes.

In reference to question E, the LCS associated with -01 through -04 has low recoveries for acetone, 2-butanone and 2-hexanone, all difficult analytes. The LCS also has a high recovery for dichlorodifluoromethane.



**ALPHA ANALYTICAL LABORATORIES  
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0404460-01  
MW-268S

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	0506 00:56 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	96.0	%		70-130			
Toluene-d8	97.0	%		70-130			
4-Bromofluorobenzene	110.	%		70-130			
Dibromofluoromethane	99.0	%		70-130			

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



**ALPHA ANALYTICAL LABORATORIES  
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0404460-02  
MW-268D

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	0506 01:32 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	97.0	%		70-130			
Toluene-d8	98.0	%		70-130			
4-Bromofluorobenzene	111.	%		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

<b>Laboratory Sample Number:</b> L0404460-03	<b>Date Collected:</b> 29-APR-2004 11:20
MW-268B	<b>Date Received :</b> 29-APR-2004
<b>Sample Matrix:</b> WATER	<b>Date Reported :</b> 06-MAY-2004
<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						
Arsenic, Dissolved	0.006	mg/l	0.005	54 6010B	0430 12:50 0503 14:01	MG
Volatile Organics by MCP 8260B				54 8260B	0506 02:07	RY
Methylene chloride	ND	ug/l	5.0			
1,1-Dichloroethane	ND	ug/l	0.75			
Chloroform	ND	ug/l	0.75			
Carbon tetrachloride	ND	ug/l	0.50			
1,2-Dichloropropane	ND	ug/l	1.8			
Dibromochloromethane	ND	ug/l	0.50			
1,1,2-Trichloroethane	ND	ug/l	0.75			
Tetrachloroethene	ND	ug/l	0.50			
Chlorobenzene	ND	ug/l	0.50			
1,2-Dichloroethane	ND	ug/l	0.50			
1,1,1-Trichloroethane	ND	ug/l	0.50			
Bromodichloromethane	ND	ug/l	0.50			
trans-1,3-Dichloropropene	ND	ug/l	0.50			
cis-1,3-Dichloropropene	ND	ug/l	0.50			
Bromoform	ND	ug/l	2.0			
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50			
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: L0404460-03  
MW-268B

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	0506 02:07		RY
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	101.	%		70-130			
Toluene-d8	97.0	%		70-130			
4-Bromofluorobenzene	110.	%		70-130			
Dibromofluoromethane	103.	%		70-130			

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



ALPHA ANALYTICAL LABORATORIES  
 CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0404460-04  
 MW-268M

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	0506 02:42 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	100.	%		70-130			
Toluene-d8	98.0	%		70-130			
4-Bromofluorobenzene	115.	%		70-130			
Dibromofluoromethane	105.	%		70-130			

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

**ALPHA ANALYTICAL LABORATORIES  
CERTIFICATE OF ANALYSIS**

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

<b>Laboratory Sample Number:</b> L0404460-05	<b>Date Collected:</b> 29-APR-2004 00:00
DUP-8	<b>Date Received :</b> 29-APR-2004
<b>Sample Matrix:</b> WATER	<b>Date Reported :</b> 06-MAY-2004
<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						
Arsenic, Dissolved	ND	mg/l	0.005	54 6010B	0430 12:50 0503 14:08	MG
Volatile Organics by MCP 8260B				54 8260B	0506 10:44	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: L0404460-05  
DUP-8

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	0506 10:44		RY
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	94.0	%		70-130			
Toluene-d8	95.0	%		70-130			
4-Bromofluorobenzene	106.	%		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

<b>Laboratory Sample Number:</b> L0404460-06	<b>Date Collected:</b> 29-APR-2004 15:10
MW-267D	<b>Date Received :</b> 29-APR-2004
<b>Sample Matrix:</b> WATER	<b>Date Reported :</b> 06-MAY-2004
<b>Condition of Sample:</b> Satisfactory	<b>Field Prep:</b> Field Filtered
<b>Number &amp; Type of Containers:</b> 2-Plastic,2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Dissolved Metals						
Arsenic, Dissolved	0.008	mg/l	0.005	54 6010B	0430 12:50 0503 14:15	MG
Volatile Organics by MCP 8260B				54 8260B	0505 17:29	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	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: L0404460-06  
MW-267D

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	0505 17:29 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	98.0	%		70-130			
Toluene-d8	100.	%		70-130			
4-Bromofluorobenzene	122.	%		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

<b>Laboratory Sample Number:</b> L0404460-07	<b>Date Collected:</b> 29-APR-2004 16:00
	<b>Date Received :</b> 29-APR-2004
<b>Sample Matrix:</b> MW-267B WATER	<b>Date Reported :</b> 06-MAY-2004
<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						
Arsenic, Dissolved	ND	mg/l	0.005	54 6010B	0430 12:50 0503 14:22	MG
				Volatile Organics by MCP 8260B		
				54 8260B	0505 18:05 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	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: L0404460-07  
MW-267B

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				54 8260B	0505 18:05 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	98.0	%		70-130			
Toluene-d8	97.0	%		70-130			
4-Bromofluorobenzene	115.	%		70-130			
Dibromofluoromethane	99.0	%		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: L0404460

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Parameter	% Recovery	QC Criteria
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Dissolved Metals LCS for sample(s) 01-07 (WG169475)

Arsenic, Dissolved	103	80-120
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Volatile Organics by MCP 8260B LCS for sample(s) 06-07 (WG169846)

Methylene chloride	88	70-130
1,1-Dichloroethane	101	70-130
Chloroform	88	70-130
Carbon tetrachloride	95	70-130
1,2-Dichloropropane	94	70-130
Dibromochloromethane	75	70-130
1,1,2-Trichloroethane	78	70-130
Tetrachloroethene	83	70-130
Chlorobenzene	88	70-130
Trichlorofluoromethane	86	70-130
1,2-Dichloroethane	89	70-130
1,1,1-Trichloroethane	92	70-130
Bromodichloromethane	87	70-130
trans-1,3-Dichloropropene	73	70-130
cis-1,3-Dichloropropene	86	70-130
1,1-Dichloropropene	88	70-130
Bromoform	74	70-130
1,1,2,2-Tetrachloroethane	87	70-130
Benzene	94	70-130
Toluene	86	70-130
Ethylbenzene	89	70-130
Chloromethane	86	70-130
Bromomethane	51	70-130
Vinyl chloride	90	70-130
Chloroethane	92	70-130
1,1-Dichloroethene	85	70-130
trans-1,2-Dichloroethene	88	70-130
Trichloroethene	93	70-130
1,2-Dichlorobenzene	86	70-130
1,3-Dichlorobenzene	87	70-130
1,4-Dichlorobenzene	87	70-130
Methyl tert butyl ether	90	70-130
p/m-Xylene	92	70-130
o-Xylene	86	70-130
cis-1,2-Dichloroethene	94	70-130
Dibromomethane	90	70-130
1,2,3-Trichloropropane	88	70-130
Styrene	86	70-130
Dichlorodifluoromethane	86	70-130
Acetone	90	70-130
Carbon disulfide	84	70-130
2-Butanone	92	70-130
4-Methyl-2-pentanone	85	70-130
2-Hexanone	88	70-130
Bromochloromethane	91	70-130

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ALPHA ANALYTICAL LABORATORIES  
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0404460

Continued

Parameter	% Recovery	QC Criteria
Volatile Organics by MCP 8260B LCS for sample(s) 06-07 (WG169846)		
Tetrahydrofuran	104	70-130
2,2-Dichloropropane	100	70-130
1,2-Dibromoethane	89	70-130
1,3-Dichloropropane	82	70-130
1,1,1,2-Tetrachloroethane	82	70-130
Bromobenzene	82	70-130
n-Butylbenzene	97	70-130
sec-Butylbenzene	99	70-130
tert-Butylbenzene	99	70-130
o-Chlorotoluene	93	70-130
p-Chlorotoluene	92	70-130
1,2-Dibromo-3-chloropropane	78	70-130
Hexachlorobutadiene	104	70-130
Isopropylbenzene	91	70-130
p-Isopropyltoluene	98	70-130
Naphthalene	89	70-130
n-Propylbenzene	98	70-130
1,2,3-Trichlorobenzene	93	70-130
1,2,4-Trichlorobenzene	99	70-130
1,3,5-Trimethylbenzene	98	70-130
1,2,4-Trimethylbenzene	97	70-130
Ethyl ether	86	70-130
Isopropyl Ether	106	70-130
Ethyl-Tert-Butyl-Ether	94	70-130
Tertiary-Amyl Methyl Ether	88	70-130
1,4-Dioxane	64	70-130
Surrogate(s)		
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	102	70-130
Dibromofluoromethane	99	70-130
Volatile Organics by MCP 8260B LCS for sample(s) 01-04 (WG169852)		
Methylene chloride	102	70-130
1,1-Dichloroethane	110	70-130
Chloroform	105	70-130
Carbon tetrachloride	110	70-130
1,2-Dichloropropane	103	70-130
Dibromochloromethane	95	70-130
1,1,2-Trichloroethane	96	70-130
Tetrachloroethene	105	70-130
Chlorobenzene	103	70-130
Trichlorofluoromethane	94	70-130
1,2-Dichloroethane	97	70-130
1,1,1-Trichloroethane	108	70-130
Bromodichloromethane	105	70-130
trans-1,3-Dichloropropene	87	70-130

ALPHA ANALYTICAL LABORATORIES  
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0404460

Continued

Parameter	% Recovery	QC Criteria
Volatile Organics by MCP 8260B LCS for sample(s) 01-04 (WG169852)		
cis-1,3-Dichloropropene	88	70-130
1,1-Dichloropropene	88	70-130
Bromoform	97	70-130
1,1,2,2-Tetrachloroethane	97	70-130
Benzene	109	70-130
Toluene	104	70-130
Ethylbenzene	95	70-130
Chloromethane	88	70-130
Bromomethane	97	70-130
Vinyl chloride	96	70-130
Chloroethane	80	70-130
1,1-Dichloroethene	95	70-130
trans-1,2-Dichloroethene	102	70-130
Trichloroethene	102	70-130
1,2-Dichlorobenzene	101	70-130
1,3-Dichlorobenzene	105	70-130
1,4-Dichlorobenzene	102	70-130
Methyl tert butyl ether	84	70-130
p/m-Xylene	99	70-130
o-Xylene	96	70-130
cis-1,2-Dichloroethene	112	70-130
Dibromomethane	100	70-130
1,2,3-Trichloropropane	93	70-130
Styrene	91	70-130
Dichlorodifluoromethane	136	70-130
Acetone	65	70-130
Carbon disulfide	97	70-130
2-Butanone	66	70-130
4-Methyl-2-pentanone	70	70-130
2-Hexanone	57	70-130
Bromochloromethane	108	70-130
Tetrahydrofuran	76	70-130
2,2-Dichloropropane	103	70-130
1,2-Dibromoethane	89	70-130
1,3-Dichloropropane	95	70-130
1,1,1,2-Tetrachloroethane	103	70-130
Bromobenzene	104	70-130
n-Butylbenzene	78	70-130
sec-Butylbenzene	93	70-130
tert-Butylbenzene	98	70-130
o-Chlorotoluene	113	70-130
p-Chlorotoluene	108	70-130
1,2-Dibromo-3-chloropropane	91	70-130
Hexachlorobutadiene	91	70-130
Isopropylbenzene	89	70-130
p-Isopropyltoluene	82	70-130
Naphthalene	72	70-130
n-Propylbenzene	99	70-130

ALPHA ANALYTICAL LABORATORIES  
 QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0404460

Continued

Parameter	% Recovery	QC Criteria
Volatile Organics by MCP 8260B LCS for sample(s) 01-04 (WG169852)		
1,2,3-Trichlorobenzene	77	70-130
1,2,4-Trichlorobenzene	74	70-130
1,3,5-Trimethylbenzene	93	70-130
1,2,4-Trimethylbenzene	91	70-130
Ethyl ether	85	70-130
Isopropyl Ether	86	70-130
Ethyl-Tert-Butyl-Ether	86	70-130
Tertiary-Amyl Methyl Ether	88	70-130
1,4-Dioxane	97	70-130
Surrogate(s)		
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	101	70-130
Dibromofluoromethane	104	70-130
Volatile Organics by MCP 8260B LCS for sample(s) 05 (WG169866)		
Methylene chloride	96	70-130
1,1-Dichloroethane	101	70-130
Chloroform	99	70-130
Carbon tetrachloride	102	70-130
1,2-Dichloropropane	97	70-130
Dibromochloromethane	96	70-130
1,1,2-Trichloroethane	98	70-130
Tetrachloroethene	103	70-130
Chlorobenzene	104	70-130
1,2-Dichloroethane	92	70-130
1,1,1-Trichloroethane	98	70-130
Bromodichloromethane	97	70-130
trans-1,3-Dichloropropene	87	70-130
cis-1,3-Dichloropropene	82	70-130
Bromoform	101	70-130
1,1,2,2-Tetrachloroethane	101	70-130
Chloromethane	79	70-130
Vinyl chloride	80	70-130
Chloroethane	71	70-130
1,1-Dichloroethene	90	70-130
trans-1,2-Dichloroethene	96	70-130
Trichloroethene	95	70-130
1,2-Dichlorobenzene	102	70-130
1,3-Dichlorobenzene	107	70-130
1,4-Dichlorobenzene	102	70-130
cis-1,2-Dichloroethene	104	70-130
Dichlorodifluoromethane	113	70-130
1,2-Dibromoethane	92	70-130
1,3-Dichloropropane	97	70-130
1,1,1,2-Tetrachloroethane	101	70-130
o-Chlorotoluene	115	70-130

ALPHA ANALYTICAL LABORATORIES  
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0404460

Continued

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Parameter	% Recovery	QC Criteria
Volatile Organics by MCP 8260B LCS for sample(s) 05 (WG169866)		
p-Chlorotoluene	111	70-130
Hexachlorobutadiene	96	70-130
1,2,4-Trichlorobenzene	76	70-130
Surrogate(s)		
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	103	70-130
Dibromofluoromethane	96	70-130
Dissolved Metals SPIKE for sample(s) 01-07 (L0404460-06, WG169475)		
Arsenic, Dissolved	105	75-125

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

Laboratory Job Number: L0404460

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP      ANAL	ID
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Blank Analysis for sample(s) 01-07 (WG169475-1)

Dissolved Metals

Arsenic, Dissolved	ND	mg/l	0.005	54 6010B	0430 12:50 0503 13:36	MG
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Blank Analysis for sample(s) 06-07 (WG169846-4)

Volatile Organics by MCP 8260B

				54 8260B	0505 16:51	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			
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			

ALPHA ANALYTICAL LABORATORIES  
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0404460

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 06-07 (WG169846-4)							
Volatile Organics by MCP 8260B continued				54 8260B		0505 16:51	RY
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	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
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	97.0	%	70-130				
Toluene-d8	97.0	%	70-130				
4-Bromofluorobenzene	122.	%	70-130				
Dibromofluoromethane	98.0	%	70-130				

Blank Analysis for sample(s) 01-04 (WG169852-4)							
Volatile Organics by MCP 8260B				54 8260B		0505 16:38	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				



ALPHA ANALYTICAL LABORATORIES  
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0404460

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01-04 (WG169852-4)							
Volatile Organics by MCP 8260B continued				54 8260B	0505 16:38 RY		
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	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				

ALPHA ANALYTICAL LABORATORIES  
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0404460

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01-04 (WG169852-4)							
Volatile Organics by MCP 8260B continued				54 8260B		0505 16:38 RY	
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
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	100.	%	70-130				
Toluene-d8	97.0	%	70-130				
4-Bromofluorobenzene	109.	%	70-130				
Dibromofluoromethane	106.	%	70-130				
Blank Analysis for sample(s) 05 (WG169866-2)							
Volatile Organics by MCP 8260B				54 8260B		0506 09:33 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				

ALPHA ANALYTICAL LABORATORIES  
 QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0404460

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 05 (WG169866-2)							
Volatile Organics by MCP 8260B continued				54 8260B	0506 09:33 RY		
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	93.0	%		70-130			
Toluene-d8	97.0	%		70-130			
4-Bromofluorobenzene	109.	%		70-130			
Dibromofluoromethane	96.0	%		70-130			

**ALPHA ANALYTICAL LABORATORIES**  
**ADDENDUM I**

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**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: L0404460**

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
L0404460-01A	Vial HCl preserved	A	NA	1.8 C	Y	Absent	MCP-8260
L0404460-01B	Vial HCl preserved	A	NA	1.8 C	Y	Absent	MCP-8260
L0404460-01C	Plastic 250ml HNO3 preserved	A	<2	1.8 C	Y	Absent	AS-SI
L0404460-02A	Vial HCl preserved	A	NA	1.8 C	Y	Absent	MCP-8260
L0404460-02B	Vial HCl preserved	A	NA	1.8 C	Y	Absent	MCP-8260
L0404460-02C	Plastic 250ml HNO3 preserved	A	<2	1.8 C	Y	Absent	AS-SI
L0404460-03A	Vial HCl preserved	A	NA	1.8 C	Y	Absent	MCP-8260
L0404460-03B	Vial HCl preserved	A	NA	1.8 C	Y	Absent	MCP-8260
L0404460-03C	Plastic 250ml HNO3 preserved	A	<2	1.8 C	Y	Absent	AS-SI
L0404460-04A	Vial HCl preserved	A	NA	1.8 C	Y	Absent	MCP-8260
L0404460-04B	Vial HCl preserved	A	NA	1.8 C	Y	Absent	MCP-8260
L0404460-04C	Plastic 250ml HNO3 preserved	A	<2	1.8 C	Y	Absent	AS-SI
L0404460-05A	Vial HCl preserved	A	NA	1.8 C	Y	Absent	MCP-8260
L0404460-05B	Vial HCl preserved	A	NA	1.8 C	Y	Absent	MCP-8260
L0404460-05C	Plastic 250ml HNO3 preserved	A	<2	1.8 C	N	Absent	AS-SI
L0404460-06A	Vial HCl preserved	A	NA	1.8 C	Y	Absent	MCP-8260
L0404460-06B	Vial HCl preserved	A	NA	1.8 C	Y	Absent	MCP-8260
L0404460-06C	Plastic 250ml HNO3 preserved	A	<2	1.8 C	Y	Absent	AS-SI
L0404460-06D	Plastic 250ml HNO3 preserved	A	<2	1.8 C	Y	Absent	AS-SI
L0404460-07A	Vial HCl preserved	A	NA	1.8 C	Y	Absent	MCP-8260
L0404460-07B	Vial HCl preserved	A	NA	1.8 C	Y	Absent	MCP-8260
L0404460-07C	Plastic 250ml HNO3 preserved	A	<2	1.8 C	N	Absent	AS-SI

**Container Comments**

Container ID	Comments
L0404460-05C	pH=7 added HNO3 to pH <2
L0404460-07C	pH=7 added HNO3 to pH <2



# CHAIN OF CUSTODY

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

### Client Information

Client: ERM

Address: 375 Baginon St Flc

Phone: Boston, MA 02116

Fax: 617 646 7800

Enroll: Theresa Kennedy@eim.com

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

### Project Information

Project Name: Rutherford

Project Location: Weyland, MA

Project #: 13606.03.02

Project Manager: J. D'Arcy

ALPHA Quote #:

### Turn-Around Time

Standard  RUSH (only confirmed if pre-approved)

Date Due: 5/16/04 Time:

Date Rec'd in Lab: 4/29/04

### Report Information - Data Deliverables

FAX  EMAIL

ADEX  Add'l Deliverables

### Regulatory Requirements/Report Limits

State/Fed Program Criteria

ALPHA Job #: LC0404160

### Billing Information

Same as Client info PO #:

### 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 CC requirements?

### SAMPLE HANDLING

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

### Sample Specific Comments

ANALYSIS  
Diss. As. \*  
8021B chlorinated

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	Container Type Preservative	Date/Time	Received By:	Date/Time	Sample Specific Comments
		Date	Time							
044601	MW-2655	4/29/04	9:55	GW	LR	P	4/29/04 13:30	[Signature]	4/29/04 13:30	
2	MW-268D	4/29/04	11:45	GW	LR	V	4/29/04 13:30	[Signature]	4/29/04 13:30	
3	MW-268B	4/29/04	11:30	GW	MH	2	4/29/04 13:30	[Signature]	4/29/04 13:30	
4	MW-268M	4/29/04	12:45	GW	MH	2	4/29/04 13:30	[Signature]	4/29/04 13:30	
5	DVP-3	4/29/04	2:45	GW	MH	2	4/29/04 13:30	[Signature]	4/29/04 13:30	
6	MW-267D	4/29/04	15:10	GW	LR	2	4/29/04 13:30	[Signature]	4/29/04 13:30	
6	MW-267D MSID	4/29/04	15:10	GW	VZ	1	4/29/04 13:30	[Signature]	4/29/04 13:30	
7	MW-267B	4/29/04	16:00	GW	MH	2	4/29/04 13:30	[Signature]	4/29/04 13:30	

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

Container Type Preservative	P	V
Date/Time	4/29/04 13:30	4/29/04 13:30

IS YOUR PROJECT MCP ?

Relinquished By: [Signature]

Date/Time: 4/29/04 13:30

Received By: [Signature]

Date/Time: 4/29/04 13:30

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.