

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

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: L0408103
Address: 399 Boylston Street
6th Floor
Boston, MA 02116 Date Received: 23-JUL-2004
Attn: Jeremy Picard Date Reported: 30-JUL-2004
Project Number: 13606.03.02 Delivery Method: Alpha
Site: RAYTHEON

The following questions pertain only to MCP Analytical Methods

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

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

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

- E. Were all QC performance standards and recommendations for the specified method(s) achieved? NO
- F. Were results for all analyte-list compounds/elements for the specified method(s) reported? 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: Scott McLean
This document electronically signed

ALPHA ANALYTICAL LABORATORIES

Laboratory Job Number: L0408103
Date Reported: 30-JUL-2004

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0408103-01	MW-203S	WAYLAND, MA
L0408103-02	MW-203M	WAYLAND, MA
L0408103-03	MW-203D	WAYLAND, MA
L0408103-04	FD-04	WAYLAND, MA
L0408103-05	MW-45M	WAYLAND, MA
L0408103-06	MW-45S	WAYLAND, MA
L0408103-07	DEP-19D	WAYLAND, MA
L0408103-08	DEP-20	WAYLAND, MA
L0408103-09	MW-45D	WAYLAND, MA
L0408103-10	MW-45B	WAYLAND, MA

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0408103

MCP Related Narratives

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

L0408103-03 through -05 have elevated limits of detection due to the 2x dilutions required by the elevated concentrations of target compounds in the samples.

In reference to question E:

The LCS/LCSD % recoveries for Dichlorodifluoromethane, associated with L0408103-01, -04 and -08, are above the acceptance criteria for the method.

The LCS/LCSD % recoveries for Dichlorodifluoromethane and Hexachlorobutadiene, associated with L0408103-06, -07, -09 and -10, are above the acceptance criteria for the method.

The LCS % recovery for Chloromethane, associated with L0408103-02, is above 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: L0408103-01	Date Collected: 22-JUL-2004 08:50
MW-203S	Date Received : 23-JUL-2004
Sample Matrix: WATER	Date Reported : 30-JUL-2004
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B				60 8260B		0729 19:27	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	21.	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	10.	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0408103-01
 MW-203S

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				60 8260B	0729 19:27 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	105.	%		70-130			
Toluene-d8	100.	%		70-130			
4-Bromofluorobenzene	129.	%		70-130			
Dibromofluoromethane	104.	%		70-130			

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

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

Laboratory Sample Number:	L0408103-02	Date Collected:	22-JUL-2004 09:56
	MW-203M	Date Received :	23-JUL-2004
Sample Matrix:	WATER	Date Reported :	30-JUL-2004
Condition of Sample:	Satisfactory	Field Prep:	None
Number & Type of Containers: 2-Vial			

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B				60 8260B		0730 14:35 BT	
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	0.65	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	3.3	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	14.	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0408103-02
 MW-203M

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				60 8260B	0730 14:35		BT
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	103.	%		70-130			
Toluene-d8	103.	%		70-130			
4-Bromofluorobenzene	112.	%		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: L0408103-03	Date Collected: 22-JUL-2004 11:07
MW-203D	Date Received : 23-JUL-2004
Sample Matrix: WATER	Date Reported : 30-JUL-2004
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by MCP 8260B				60 8260B	0730 13:57	BT
Methylene chloride	ND	ug/l	10.			
1,1-Dichloroethane	ND	ug/l	1.5			
Chloroform	ND	ug/l	1.5			
Carbon tetrachloride	ND	ug/l	1.0			
1,2-Dichloropropane	ND	ug/l	3.5			
Dibromochloromethane	ND	ug/l	1.0			
1,1,2-Trichloroethane	ND	ug/l	1.5			
Tetrachloroethene	1.8	ug/l	1.0			
Chlorobenzene	ND	ug/l	1.0			
1,2-Dichloroethane	ND	ug/l	1.0			
1,1,1-Trichloroethane	ND	ug/l	1.0			
Bromodichloromethane	ND	ug/l	1.0			
trans-1,3-Dichloropropene	ND	ug/l	1.0			
cis-1,3-Dichloropropene	ND	ug/l	1.0			
Bromoform	ND	ug/l	4.0			
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0			
Benzene	ND	ug/l	1.0			
Chloromethane	ND	ug/l	5.0			
Vinyl chloride	ND	ug/l	2.0			
Chloroethane	ND	ug/l	2.0			
1,1-Dichloroethene	ND	ug/l	1.0			
trans-1,2-Dichloroethene	ND	ug/l	1.5			
Trichloroethene	75.	ug/l	1.0			
1,2-Dichlorobenzene	ND	ug/l	5.0			
1,3-Dichlorobenzene	ND	ug/l	5.0			
1,4-Dichlorobenzene	ND	ug/l	5.0			
Methyl tert butyl ether	ND	ug/l	2.0			
cis-1,2-Dichloroethene	5.8	ug/l	1.0			
Dichlorodifluoromethane	ND	ug/l	10.			
1,2-Dibromoethane	ND	ug/l	4.0			
1,3-Dichloropropane	ND	ug/l	5.0			
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0			
o-Chlorotoluene	ND	ug/l	5.0			
p-Chlorotoluene	ND	ug/l	5.0			
Hexachlorobutadiene	ND	ug/l	2.0			
1,2,4-Trichlorobenzene	ND	ug/l	5.0			

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0408103-03
 MW-203D

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				60 8260B	0730 13:57		BT
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	108.	%		70-130			
Toluene-d8	110.	%		70-130			
4-Bromofluorobenzene	116.	%		70-130			
Dibromofluoromethane	107.	%		70-130			

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0408103-04
 FD-04

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				60 8260B	0729 21:17		RY
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	103.	%		70-130			
Toluene-d8	98.0	%		70-130			
4-Bromofluorobenzene	128.	%		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

Laboratory Sample Number: L0408103-05
 MW-45M

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				60 8260B	0730 14:42		BT
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	88.0	%		70-130			
Toluene-d8	86.0	%		70-130			
4-Bromofluorobenzene	92.0	%		70-130			
Dibromofluoromethane	83.0	%		70-130			

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0408103-06
MW-45S

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				60 8260B	0730 12:20		RY
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	110.	%		70-130			
Toluene-d8	97.0	%		70-130			
4-Bromofluorobenzene	101.	%		70-130			
Dibromofluoromethane	108.	%		70-130			

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0408103-07
DEP-19D

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				60 8260B	0730 12:56 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	111.	%		70-130			
Toluene-d8	98.0	%		70-130			
4-Bromofluorobenzene	105.	%		70-130			
Dibromofluoromethane	108.	%		70-130			

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

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

Laboratory Sample Number: L0408103-08	Date Collected: 23-JUL-2004 10:34
DEP-20	Date Received : 23-JUL-2004
Sample Matrix: WATER	Date Reported : 30-JUL-2004
Condition of Sample: Satisfactory	Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by MCP 8260B				60 8260B	0729 23:43 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	2.0			
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: L0408103-08
 DEP-20

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				60 8260B	0729 23:43		RY
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	103.	%		70-130			
Toluene-d8	101.	%		70-130			
4-Bromofluorobenzene	132.	%		70-130			
Dibromofluoromethane	102.	%		70-130			

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0408103-09
 MW-45D

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				60 8260B	0730 13:31		RY
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	109.	%		70-130			
Toluene-d8	97.0	%		70-130			
4-Bromofluorobenzene	105.	%		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

Laboratory Sample Number: L0408103-10
 MW-45B

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				60 8260B	0730 14:06 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	110.	%		70-130			
Toluene-d8	99.0	%		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
 QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0408103

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 01,04,08 (WG177116-1, WG177116)					
Methylene chloride	90	83	8	25	70-130
1,1-Dichloroethane	89	86	3	25	70-130
Chloroform	91	84	8	25	70-130
Carbon tetrachloride	93	85	9	25	70-130
1,2-Dichloropropane	85	85	0	25	70-130
Dibromochloromethane	87	78	11	25	70-130
1,1,2-Trichloroethane	87	82	6	25	70-130
Tetrachloroethene	90	82	9	25	70-130
Chlorobenzene	88	80	10	25	70-130
1,2-Dichloroethane	87	84	4	25	70-130
1,1,1-Trichloroethane	93	86	8	25	70-130
Bromodichloromethane	89	83	7	25	70-130
trans-1,3-Dichloropropene	83	76	9	25	70-130
cis-1,3-Dichloropropene	85	80	6	25	70-130
Bromoform	89	81	9	50	70-130
1,1,2,2-Tetrachloroethane	89	85	5	25	70-130
Benzene	89	82	8	25	70-130
Chloromethane	107	102	5	50	70-130
Vinyl chloride	100	92	8	25	70-130
Chloroethane	87	80	8	25	70-130
1,1-Dichloroethene	87	80	8	25	70-130
trans-1,2-Dichloroethene	91	83	9	25	70-130
Trichloroethene	89	81	9	25	70-130
1,2-Dichlorobenzene	90	83	8	25	70-130
1,3-Dichlorobenzene	92	84	9	25	70-130
1,4-Dichlorobenzene	89	80	11	25	70-130
Methyl tert butyl ether	85	83	2	25	70-130
cis-1,2-Dichloroethene	91	83	9	25	70-130
Dichlorodifluoromethane	157	140	11	50	70-130
1,2-Dibromoethane	86	80	7	25	70-130
1,3-Dichloropropane	86	81	6	25	70-130
1,1,1,2-Tetrachloroethane	92	85	8	25	70-130
o-Chlorotoluene	92	84	9	25	70-130
p-Chlorotoluene	90	82	9	25	70-130
Hexachlorobutadiene	80	74	8	25	70-130
1,2,4-Trichlorobenzene	89	88	1	25	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	98	96	2		70-130
Toluene-d8	98	98	0		70-130
4-Bromofluorobenzene	100	103	3		70-130
Dibromofluoromethane	102	99	3		70-130
Volatile Organics by MCP 8260B for sample(s) 06-07,09-10 (WG177149-1, WG177149)					
Methylene chloride	105	102	3	25	70-130
1,1-Dichloroethane	104	111	7	25	70-130
Chloroform	109	112	3	25	70-130
Carbon tetrachloride	106	116	9	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0408103

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 06-07,09-10 (WG177149-1, WG177149)					
1,2-Dichloropropane	101	103	2	25	70-130
Dibromochloromethane	104	105	1	25	70-130
1,1,2-Trichloroethane	105	104	1	25	70-130
Tetrachloroethene	119	119	0	25	70-130
Chlorobenzene	103	108	5	25	70-130
1,2-Dichloroethane	116	113	3	25	70-130
1,1,1-Trichloroethane	111	117	5	25	70-130
Bromodichloromethane	113	116	3	25	70-130
trans-1,3-Dichloropropene	95	96	1	25	70-130
cis-1,3-Dichloropropene	101	104	3	25	70-130
Bromoform	111	112	1	50	70-130
1,1,2,2-Tetrachloroethane	102	100	2	25	70-130
Benzene	101	104	3	25	70-130
Chloromethane	119	116	3	50	70-130
Vinyl chloride	118	117	1	25	70-130
Chloroethane	119	117	2	25	70-130
1,1-Dichloroethene	90	99	10	25	70-130
trans-1,2-Dichloroethene	95	101	6	25	70-130
Trichloroethene	104	108	4	25	70-130
1,2-Dichlorobenzene	106	108	2	25	70-130
1,3-Dichlorobenzene	105	109	4	25	70-130
1,4-Dichlorobenzene	105	107	2	25	70-130
Methyl tert butyl ether	93	92	1	25	70-130
cis-1,2-Dichloroethene	102	103	1	25	70-130
Dichlorodifluoromethane	138	145	5	50	70-130
1,2-Dibromoethane	104	105	1	25	70-130
1,3-Dichloropropane	102	102	0	25	70-130
1,1,1,2-Tetrachloroethane	109	111	2	25	70-130
o-Chlorotoluene	108	112	4	25	70-130
p-Chlorotoluene	103	108	5	25	70-130
Hexachlorobutadiene	153	164	7	25	70-130
1,2,4-Trichlorobenzene	98	100	2	25	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	109	106	3		70-130
Toluene-d8	98	97	1		70-130
4-Bromofluorobenzene	98	96	2		70-130
Dibromofluoromethane	109	106	3		70-130
Volatile Organics by MCP 8260B for sample(s) 02 (WG177154-1, WG177154)					
Methylene chloride	89	86	3	25	70-130
1,1-Dichloroethane	91	86	6	25	70-130
Chloroform	87	86	1	25	70-130
Carbon tetrachloride	89	83	7	25	70-130
1,2-Dichloropropane	92	87	6	25	70-130
Dibromochloromethane	80	79	1	25	70-130
1,1,2-Trichloroethane	94	95	1	25	70-130

ALPHA ANALYTICAL LABORATORIES
 QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0408103

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 02 (WG177154-1, WG177154)					
Tetrachloroethene	78	75	4	25	70-130
Chlorobenzene	90	87	3	25	70-130
Trichlorofluoromethane	91	87	4	25	70-130
1,2-Dichloroethane	92	88	4	25	70-130
1,1,1-Trichloroethane	89	83	7	25	70-130
Bromodichloromethane	82	81	1	25	70-130
trans-1,3-Dichloropropene	88	89	1	25	70-130
cis-1,3-Dichloropropene	92	88	4	25	70-130
1,1-Dichloropropene	84	78	7	25	70-130
Bromoform	75	75	0	50	70-130
1,1,2,2-Tetrachloroethane	96	99	3	25	70-130
Benzene	91	88	3	25	70-130
Toluene	90	88	2	25	70-130
Ethylbenzene	94	90	4	25	70-130
Chloromethane	134	129	4	50	70-130
Bromomethane	112	109	3	50	70-130
Vinyl chloride	92	87	6	25	70-130
Chloroethane	88	84	5	25	70-130
1,1-Dichloroethene	82	78	5	25	70-130
trans-1,2-Dichloroethene	85	80	6	25	70-130
Trichloroethene	86	80	7	25	70-130
1,2-Dichlorobenzene	88	89	1	25	70-130
1,3-Dichlorobenzene	87	86	1	25	70-130
1,4-Dichlorobenzene	89	87	2	25	70-130
Methyl tert butyl ether	113	109	4	25	70-130
p/m-Xylene	92	90	2	25	70-130
o-Xylene	92	90	2	25	70-130
cis-1,2-Dichloroethene	90	89	1	25	70-130
Dibromomethane	90	89	1	25	70-130
1,2,3-Trichloropropane	101	98	3	25	70-130
Styrene	95	93	2	25	70-130
Dichlorodifluoromethane	111	104	7	50	70-130
Acetone	102	104	2	50	70-130
Carbon disulfide	80	75	6	25	70-130
2-Butanone	112	115	3	50	70-130
4-Methyl-2-pentanone	100	105	5	50	70-130
2-Hexanone	110	122	10	50	70-130
Bromochloromethane	90	86	5	25	70-130
Tetrahydrofuran	103	102	1	25	70-130
2,2-Dichloropropane	94	92	2	25	70-130
1,2-Dibromoethane	94	93	1	25	70-130
1,3-Dichloropropane	92	91	1	25	70-130
1,1,1,2-Tetrachloroethane	90	88	2	25	70-130
Bromobenzene	90	90	0	25	70-130
n-Butylbenzene	89	85	5	25	70-130
sec-Butylbenzene	88	84	5	25	70-130
tert-Butylbenzene	90	88	2	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0408103

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 02 (WG177154-1, WG177154)					
o-Chlorotoluene	92	91	1	25	70-130
p-Chlorotoluene	92	91	1	25	70-130
1,2-Dibromo-3-chloropropane	91	90	1	50	70-130
Hexachlorobutadiene	86	82	5	25	70-130
Isopropylbenzene	88	86	2	25	70-130
p-Isopropyltoluene	89	86	3	25	70-130
Naphthalene	82	79	4	25	70-130
n-Propylbenzene	92	88	4	25	70-130
1,2,3-Trichlorobenzene	85	81	5	25	70-130
1,2,4-Trichlorobenzene	81	77	5	25	70-130
1,3,5-Trimethylbenzene	91	88	3	25	70-130
1,2,4-Trimethylbenzene	90	89	1	25	70-130
Ethyl ether	95	94	1	25	70-130
Isopropyl Ether	103	100	3	25	70-130
Ethyl-Tert-Butyl-Ether	100	98	2	25	70-130
Tertiary-Amyl Methyl Ether	103	103	0	25	70-130
1,4-Dioxane	98	94	4	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	104	101	3		70-130
Toluene-d8	102	102	0		70-130
4-Bromofluorobenzene	107	106	1		70-130
Dibromofluoromethane	100	97	3		70-130
Volatile Organics by MCP 8260B for sample(s) 03,05 (WG177209-1, WG177209)					
Methylene chloride	96	96	0	25	70-130
1,1-Dichloroethane	95	94	1	25	70-130
Chloroform	88	88	0	25	70-130
Carbon tetrachloride	93	92	1	25	70-130
1,2-Dichloropropane	91	90	1	25	70-130
Dibromochloromethane	88	88	0	25	70-130
1,1,2-Trichloroethane	94	91	3	25	70-130
Tetrachloroethene	90	85	6	25	70-130
Chlorobenzene	87	84	4	25	70-130
Trichlorofluoromethane	103	96	7	25	70-130
1,2-Dichloroethane	96	96	0	25	70-130
1,1,1-Trichloroethane	92	91	1	25	70-130
Bromodichloromethane	93	90	3	25	70-130
trans-1,3-Dichloropropene	86	83	4	25	70-130
cis-1,3-Dichloropropene	91	90	1	25	70-130
1,1-Dichloropropene	89	88	1	25	70-130
Bromoform	82	82	0	50	70-130
1,1,2,2-Tetrachloroethane	87	88	1	25	70-130
Benzene	96	95	1	25	70-130
Toluene	92	90	2	25	70-130
Ethylbenzene	92	88	4	25	70-130
Chloromethane	109	109	0	50	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0408103

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 03,05 (WG177209-1, WG177209)					
Bromomethane	127	124	2	50	70-130
Vinyl chloride	118	122	3	25	70-130
Chloroethane	91	89	2	25	70-130
1,1-Dichloroethene	91	89	2	25	70-130
trans-1,2-Dichloroethene	89	89	0	25	70-130
Trichloroethene	95	89	7	25	70-130
1,2-Dichlorobenzene	90	88	2	25	70-130
1,3-Dichlorobenzene	90	86	5	25	70-130
1,4-Dichlorobenzene	90	87	3	25	70-130
Methyl tert butyl ether	108	111	3	25	70-130
p/m-Xylene	91	87	4	25	70-130
o-Xylene	92	90	2	25	70-130
cis-1,2-Dichloroethene	90	89	1	25	70-130
Dibromomethane	97	92	5	25	70-130
1,2,3-Trichloropropane	92	93	1	25	70-130
Styrene	96	92	4	25	70-130
Dichlorodifluoromethane	125	121	3	50	70-130
Acetone	103	112	8	50	70-130
Carbon disulfide	93	92	1	25	70-130
2-Butanone	100	103	3	50	70-130
4-Methyl-2-pentanone	98	100	2	50	70-130
2-Hexanone	104	106	2	50	70-130
Bromochloromethane	97	94	3	25	70-130
Tetrahydrofuran	99	108	9	25	70-130
2,2-Dichloropropane	91	88	3	25	70-130
1,2-Dibromoethane	93	92	1	25	70-130
1,3-Dichloropropane	96	96	0	25	70-130
1,1,1,2-Tetrachloroethane	89	85	5	25	70-130
Bromobenzene	89	86	3	25	70-130
n-Butylbenzene	92	89	3	25	70-130
sec-Butylbenzene	94	90	4	25	70-130
tert-Butylbenzene	91	88	3	25	70-130
o-Chlorotoluene	92	87	6	25	70-130
p-Chlorotoluene	93	87	7	25	70-130
1,2-Dibromo-3-chloropropane	89	95	7	50	70-130
Hexachlorobutadiene	84	78	7	25	70-130
Isopropylbenzene	90	85	6	25	70-130
p-Isopropyltoluene	89	85	5	25	70-130
Naphthalene	93	99	6	25	70-130
n-Propylbenzene	95	90	5	25	70-130
1,2,3-Trichlorobenzene	93	92	1	25	70-130
1,2,4-Trichlorobenzene	87	86	1	25	70-130
1,3,5-Trimethylbenzene	95	91	4	25	70-130
1,2,4-Trimethylbenzene	94	91	3	25	70-130
Ethyl ether	99	101	2	25	70-130
Isopropyl Ether	92	95	3	25	70-130
Ethyl-Tert-Butyl-Ether	91	92	1	25	70-130

ALPHA ANALYTICAL LABORATORIES
 QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0408103

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 03,05 (WG177209-1, WG177209)					
Tertiary-Amyl Methyl Ether	94	96	2	25	70-130
1,4-Dioxane	107	118	10	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	113	115	2		70-130
Toluene-d8	108	110	2		70-130
4-Bromofluorobenzene	102	104	2		70-130
Dibromofluoromethane	109	110	1		70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0408103

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01,04,08 (WG177116-3)							
Volatile Organics by MCP 8260B				60 8260B	0729 16:25 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	99.0	%	70-130				
Toluene-d8	100.	%	70-130				
4-Bromofluorobenzene	125.	%	70-130				
Dibromofluoromethane	100.	%	70-130				
Blank Analysis for sample(s) 06-07,09-10 (WG177149-3)							
Volatile Organics by MCP 8260B				60 8260B	0730 10:02 RY		
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0408103

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 06-07,09-10 (WG177149-3)							
Volatile Organics by MCP 8260B continued				60 8260B		0730 10:02	RY
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	111.	%	70-130
Toluene-d8	98.0	%	70-130
4-Bromofluorobenzene	104.	%	70-130
Dibromofluoromethane	108.	%	70-130

Blank Analysis for sample(s) 02 (WG177154-3)							
Volatile Organics by MCP 8260B				60 8260B		0730 08:01	BT
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: L0408103

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 02 (WG177154-3)							
Volatile Organics by MCP 8260B continued				60 8260B		0730 08:01	BT
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	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0408103

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 02 (WG177154-3)							
Volatile Organics by MCP 8260B continued				60 8260B		0730 08:01	BT
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	105.	%	70-130				
Toluene-d8	106.	%	70-130				
4-Bromofluorobenzene	115.	%	70-130				
Dibromofluoromethane	105.	%	70-130				
Blank Analysis for sample(s) 03,05 (WG177209-3)							
Volatile Organics by MCP 8260B				60 8260B		0730 10:59	BT
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				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0408103

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 03,05 (WG177209-3)							
Volatile Organics by MCP 8260B continued				60 8260B		0730 10:59	BT
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				
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				

ALPHA ANALYTICAL LABORATORIES
 QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0408103

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 03,05 (WG177209-3)							
Volatile Organics by MCP 8260B continued				60 8260B		0730 10:59	BT
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	99.0	%		70-130			
Toluene-d8	105.	%		70-130			
4-Bromofluorobenzene	108.	%		70-130			
Dibromofluoromethane	95.0	%		70-130			

**ALPHA ANALYTICAL LABORATORIES
ADDENDUM I**

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.

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: L0408103

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
L0408103-01A	Vial HCl preserved	A	N/A	1.6C	Y	Absent	MCP-8260-04
L0408103-01B	Vial HCl preserved	A	N/A	1.6C	Y	Absent	MCP-8260-04
L0408103-02A	Vial HCl preserved	A	N/A	1.6C	Y	Absent	MCP-8260-04
L0408103-02B	Vial HCl preserved	A	N/A	1.6C	Y	Absent	MCP-8260-04
L0408103-03A	Vial HCl preserved	A	N/A	1.6C	Y	Absent	MCP-8260-04
L0408103-03B	Vial HCl preserved	A	N/A	1.6C	Y	Absent	MCP-8260-04
L0408103-04A	Vial HCl preserved	A	N/A	1.6C	Y	Absent	MCP-8260-04
L0408103-04B	Vial HCl preserved	A	N/A	1.6C	Y	Absent	MCP-8260-04
L0408103-05A	Vial HCl preserved	A	N/A	1.6C	Y	Absent	MCP-8260-04
L0408103-05B	Vial HCl preserved	A	N/A	1.6C	Y	Absent	MCP-8260-04
L0408103-06A	Vial HCl preserved	A	N/A	1.6C	Y	Absent	MCP-8260-04
L0408103-06B	Vial HCl preserved	A	N/A	1.6C	Y	Absent	MCP-8260-04
L0408103-07A	Vial HCl preserved	A	N/A	1.6C	Y	Absent	MCP-8260-04
L0408103-07B	Vial HCl preserved	A	N/A	1.6C	Y	Absent	MCP-8260-04
L0408103-08A	Vial HCl preserved	A	N/A	1.6C	Y	Absent	MCP-8260-04
L0408103-08B	Vial HCl preserved	A	N/A	1.6C	Y	Absent	MCP-8260-04
L0408103-09A	Vial HCl preserved	A	N/A	1.6C	Y	Absent	MCP-8260-04
L0408103-09B	Vial HCl preserved	A	N/A	1.6C	Y	Absent	MCP-8260-04
L0408103-10A	Vial HCl preserved	A	N/A	1.6C	Y	Absent	MCP-8260-04
L0408103-10B	Vial HCl preserved	A	N/A	1.6C	Y	Absent	MCP-8260-04

Container Comments

Container ID Comments



CHAIN OF CUSTODY

PAGE _____ OF _____

Eight Walkup Drive Westborough, MA 01581
 TEL: 508-896-9220 FAX: 508-898-9193

Client Information

Client: ERM

Address: 399 KULSTEN ST
DOSTON, MA

Phone: 617-646-7800

Fax: 617-267-1044

Email:

Project Information

Project Name: Ruymen Wayland

Project Location: Wayland

Project #: 13006.53.02

Project Manager: Kymy Picard

ALPHA Quote #:

Turn-Around Time

Standard

RUSH (only confirmed if pre-approved)

Date Due: 7-30-04

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Date Rec'd in Lab: 7-23-04

ALPHA Job #: 10408103

Report Information - Data Deliverables

FAX EMAIL

ADEX Add'l Deliverables

Billing Information

Same as Client Info

PO #:

Regulatory Requirements/Report Limits

State / Fed Program

Criteria

MCP PRESUMPTIVE CERTAINTY - THESE QUESTIONS MUST BE ANSWERED

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

ANALYSIS
8/11/04
12/17/08
8/11/04

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		Sample Matrix	Sampler's Initials	#	#
		Date	Time				
8103	1. MW-2035	7-23-04	08:50	EW	LR	2	2
	2. MW-20314	7-23-04	09:50	EW	LR	2	2
	3. MW-20310	7-23-04	11:07	EW	LR	2	2
	4. FD-04	7-23-04	24:00	EW	LR	2	2
	5. MW-45M	7-23-04	13:01	EW	LR	2	2
	6. MW-45S	7-23-04	13:49	EW	LR	2	2
	7. DEP-19	7-23-04	18:55	EW	LR	2	2
	8. DEP-20	7-23-04	18:34	EW	LR	2	2
	9. MW-45D	7-23-04	13:28	EW	LR	2	2
	10. MW-45B	7-23-04	14:20	EW	LR	2	2

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

Container Type	Preservative
V	B

IS YOUR PROJECT MCP ?

Relinquished By:

Quintessa Kelly
Kelly Cap

Date/Time

7-23-04 17:30

Received By:

Paul Hayes

Date/Time

7/23/04 17:30

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.