

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: L0407972
Address: 399 Boylston Street
6th Floor
Boston, MA 02116 Date Received: 21-JUL-2004
Attn: Jeremy Picard Date Reported: 28-JUL-2004
Project Number: 13606 Delivery Method: Alpha
Site: RAYTHEON-WAYLAND

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: L0407972
Date Reported: 28-JUL-2004

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0407972-01	MW-207M	WAYLAND
L0407972-02	TB-2	WAYLAND
L0407972-03	MW-204M	WAYLAND
L0407972-04	MW-204S	WAYLAND
L0407972-05	MW-207D	WAYLAND
L0407972-06	MW-204D	WAYLAND

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0407972

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

L0407972-01 and -03 have elevated limits of detection due to the dilutions (2x and 4x) required by the elevated concentrations of target compounds in the samples.

In reference to question E:

The LCS % recovery for Trichloroethene, associated with L0407972-01, is below the acceptance criteria for the method.

The MS/MSD % recoveries for Trichloroethene are below, and the RPD is above, the acceptance criteria for the method due to the native concentration of this analyte in the sample.

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0407972-01
MW-207M

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				60 8260B	0728 11:07		RY
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	98.0	%		70-130			
Toluene-d8	99.0	%		70-130			
4-Bromofluorobenzene	127.	%		70-130			
Dibromofluoromethane	99.0	%		70-130			

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

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

Laboratory Sample Number: L0407972-02	Date Collected: 14-JUL-2004 16:40
	Date Received : 21-JUL-2004
Sample Matrix: TB-2 WATER	Date Reported : 28-JUL-2004
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B				60 8260B	0728 00:09		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				

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0407972-02
 TB-2

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				60 8260B	0728 00:09		RY
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	106.	%		70-130			
Toluene-d8	98.0	%		70-130			
4-Bromofluorobenzene	130.	%		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

Laboratory Sample Number: L0407972-03
 MW-204M

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				60 8260B	0728 00:45 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	104.	%		70-130			
Toluene-d8	99.0	%		70-130			
4-Bromofluorobenzene	130.	%		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: L0407972-04 Date Collected: 21-JUL-2004 10:23
 MW-204S Date Received : 21-JUL-2004
 Sample Matrix: WATER Date Reported : 28-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	0728 12:39		RY
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	16.	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	3.5	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: L0407972-04
 MW-204S

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				60 8260B	0728 12:39		RY
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	113.	%		70-130			
Toluene-d8	98.0	%		70-130			
4-Bromofluorobenzene	108.	%		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

Laboratory Sample Number:	L0407972-05	Date Collected:	21-JUL-2004 08:21
	MW-207D	Date Received :	21-JUL-2004
Sample Matrix:	WATER	Date Reported :	28-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	0728 13:14	RY
Methylene chloride	ND	ug/l	5.0			
1,1-Dichloroethane	ND	ug/l	0.75			
Chloroform	ND	ug/l	0.75			
Carbon tetrachloride	ND	ug/l	0.50			
1,2-Dichloropropane	ND	ug/l	1.8			
Dibromochloromethane	ND	ug/l	0.50			
1,1,2-Trichloroethane	ND	ug/l	0.75			
Tetrachloroethene	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	1.7	ug/l	0.50			
1,2-Dichlorobenzene	ND	ug/l	2.5			
1,3-Dichlorobenzene	ND	ug/l	2.5			
1,4-Dichlorobenzene	ND	ug/l	2.5			
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: L0407972-05
 MW-207D

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				60 8260B	0728 13:14		RY
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	113.	%		70-130			
Toluene-d8	99.0	%		70-130			
4-Bromofluorobenzene	102.	%		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: L0407972-06	Date Collected: 21-JUL-2004 15:06
MW-204D	Date Received : 21-JUL-2004
Sample Matrix: WATER	Date Reported : 28-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	0728 13:50	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	27.	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	2.7	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: L0407972-06
MW-204D

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				60 8260B	0728 13:50		RY
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	116.	%		70-130			
Toluene-d8	98.0	%		70-130			
4-Bromofluorobenzene	103.	%		70-130			
Dibromofluoromethane	108.	%		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: L0407972

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 02-03 (WG176866-1, WG176866)					
Methylene chloride	95	94	1	25	70-130
1,1-Dichloroethane	101	102	1	25	70-130
Chloroform	102	101	1	25	70-130
Carbon tetrachloride	98	98	0	25	70-130
1,2-Dichloropropane	95	97	2	25	70-130
Dibromochloromethane	91	93	2	25	70-130
1,1,2-Trichloroethane	96	98	2	25	70-130
Tetrachloroethene	100	100	0	25	70-130
Chlorobenzene	94	97	3	25	70-130
Trichlorofluoromethane	93	92	1	25	70-130
1,2-Dichloroethane	101	99	2	25	70-130
1,1,1-Trichloroethane	103	101	2	25	70-130
Bromodichloromethane	98	96	2	25	70-130
trans-1,3-Dichloropropene	88	91	3	25	70-130
cis-1,3-Dichloropropene	94	92	2	25	70-130
1,1-Dichloropropene	90	93	3	25	70-130
Bromoform	98	102	4	50	70-130
1,1,2,2-Tetrachloroethane	93	93	0	25	70-130
Benzene	96	96	0	25	70-130
Toluene	94	96	2	25	70-130
Ethylbenzene	96	96	0	25	70-130
Chloromethane	94	89	5	50	70-130
Bromomethane	57	68	18	50	70-130
Vinyl chloride	88	89	1	25	70-130
Chloroethane	82	87	6	25	70-130
1,1-Dichloroethene	83	85	2	25	70-130
trans-1,2-Dichloroethene	90	92	2	25	70-130
Trichloroethene	95	95	0	25	70-130
1,2-Dichlorobenzene	95	96	1	25	70-130
1,3-Dichlorobenzene	98	95	3	25	70-130
1,4-Dichlorobenzene	93	94	1	25	70-130
Methyl tert butyl ether	94	97	3	25	70-130
p/m-Xylene	95	98	3	25	70-130
o-Xylene	92	94	2	25	70-130
cis-1,2-Dichloroethene	94	96	2	25	70-130
Dibromomethane	100	98	2	25	70-130
1,2,3-Trichloropropane	91	94	3	25	70-130
Styrene	94	95	1	25	70-130
Dichlorodifluoromethane	96	103	7	50	70-130
Acetone	105	103	2	50	70-130
Carbon disulfide	87	87	0	25	70-130
2-Butanone	102	105	3	50	70-130
4-Methyl-2-pentanone	96	99	3	50	70-130
2-Hexanone	91	95	4	50	70-130
Bromochloromethane	102	101	1	25	70-130
Tetrahydrofuran	90	91	1	25	70-130
2,2-Dichloropropane	109	108	1	25	70-130
1,2-Dibromoethane	92	97	5	25	70-130

ALPHA ANALYTICAL LABORATORIES
 QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0407972

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 02-03 (WG176866-1, WG176866)					
1,3-Dichloropropane	91	98	7	25	70-130
1,1,1,2-Tetrachloroethane	96	96	0	25	70-130
Bromobenzene	95	92	3	25	70-130
n-Butylbenzene	89	89	0	25	70-130
sec-Butylbenzene	97	93	4	25	70-130
tert-Butylbenzene	96	95	1	25	70-130
o-Chlorotoluene	99	96	3	25	70-130
p-Chlorotoluene	96	95	1	25	70-130
1,2-Dibromo-3-chloropropane	89	89	0	50	70-130
Hexachlorobutadiene	106	98	8	25	70-130
Isopropylbenzene	95	97	2	25	70-130
p-Isopropyltoluene	88	91	3	25	70-130
Naphthalene	93	96	3	25	70-130
n-Propylbenzene	98	96	2	25	70-130
1,2,3-Trichlorobenzene	94	98	4	25	70-130
1,2,4-Trichlorobenzene	94	98	4	25	70-130
1,3,5-Trimethylbenzene	92	91	1	25	70-130
1,2,4-Trimethylbenzene	94	88	7	25	70-130
Ethyl ether	87	88	1	25	70-130
Isopropyl Ether	85	84	1	25	70-130
Ethyl-Tert-Butyl-Ether	83	86	4	25	70-130
Tertiary-Amyl Methyl Ether	84	84	0	25	70-130
1,4-Dioxane	83	85	2	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	104	101	3		70-130
Toluene-d8	97	100	3		70-130
4-Bromofluorobenzene	97	97	0		70-130
Dibromofluoromethane	101	101	0		70-130
Volatile Organics by MCP 8260B for sample(s) 01 (WG176898-1, WG176898)					
Methylene chloride	85	89	3	25	70-130
1,1-Dichloroethane	85	93	4	25	70-130
Chloroform	91	93	3	25	70-130
Carbon tetrachloride	93	90	6	25	70-130
1,2-Dichloropropane	88	91	1	25	70-130
Dibromochloromethane	87	92	2	25	70-130
1,1,2-Trichloroethane	89	93	4	25	70-130
Tetrachloroethene	96	96	0	25	70-130
Chlorobenzene	92	97	5	25	70-130
1,2-Dichloroethane	89	92	0	25	70-130
1,1,1-Trichloroethane	96	93	4	25	70-130
Bromodichloromethane	88	94	0	25	70-130
trans-1,3-Dichloropropene	86	90	2	25	70-130
cis-1,3-Dichloropropene	85	93	3	25	70-130
Bromoform	94	105	6	50	70-130
1,1,2,2-Tetrachloroethane	88	99	1	25	70-130

ALPHA ANALYTICAL LABORATORIES
 QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0407972

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 01 (WG176898-1, WG176898)					
Benzene	90	91	4	25	70-130
Chloromethane	78	83	2	50	70-130
Vinyl chloride	80	76	6	25	70-130
Chloroethane	74	78	1	25	70-130
1,1-Dichloroethene	75	77	4	25	70-130
trans-1,2-Dichloroethene	86	83	1	25	70-130
Trichloroethene	45	89	2	25	70-130
1,2-Dichlorobenzene	92	101	6	25	70-130
1,3-Dichlorobenzene	95	102	4	25	70-130
1,4-Dichlorobenzene	92	100	3	25	70-130
Methyl tert butyl ether	89	85	3	25	70-130
cis-1,2-Dichloroethene	86	88	2	25	70-130
Dichlorodifluoromethane	92	91	11	50	70-130
1,2-Dibromoethane	88	92	2	25	70-130
1,3-Dichloropropane	89	90	2	25	70-130
1,1,1,2-Tetrachloroethane	93	98	4	25	70-130
o-Chlorotoluene	96	102	1	25	70-130
p-Chlorotoluene	94	100	2	25	70-130
Hexachlorobutadiene	92	106	10	25	70-130
1,2,4-Trichlorobenzene	90	99	4	25	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	99	101	2		70-130
Toluene-d8	105	101	4		70-130
4-Bromofluorobenzene	102	102	0		70-130
Dibromofluoromethane	99	100	1		70-130
Volatile Organics by MCP 8260B for sample(s) 04-06 (WG176909-1, WG176909)					
Methylene chloride	86	83	4	25	70-130
1,1-Dichloroethane	97	90	7	25	70-130
Chloroform	95	89	7	25	70-130
Carbon tetrachloride	94	87	8	25	70-130
1,2-Dichloropropane	88	88	0	25	70-130
Dibromochloromethane	90	89	1	25	70-130
1,1,2-Trichloroethane	94	93	1	25	70-130
Tetrachloroethene	98	90	9	25	70-130
Chlorobenzene	97	92	5	25	70-130
Trichlorofluoromethane	111	101	9	25	70-130
1,2-Dichloroethane	96	95	1	25	70-130
1,1,1-Trichloroethane	99	92	7	25	70-130
Bromodichloromethane	96	93	3	25	70-130
trans-1,3-Dichloropropene	84	84	0	25	70-130
cis-1,3-Dichloropropene	88	88	0	25	70-130
1,1-Dichloropropene	89	83	7	25	70-130
Bromoform	94	95	1	50	70-130
1,1,2,2-Tetrachloroethane	92	93	1	25	70-130
Benzene	91	85	7	25	70-130

ALPHA ANALYTICAL LABORATORIES
 QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0407972

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 04-06 (WG176909-1, WG176909)					
Toluene	92	86	7	25	70-130
Ethylbenzene	98	91	7	25	70-130
Chloromethane	109	92	17	50	70-130
Bromomethane	84	85	1	50	70-130
Vinyl chloride	111	102	8	25	70-130
Chloroethane	112	101	10	25	70-130
1,1-Dichloroethene	86	80	7	25	70-130
trans-1,2-Dichloroethene	88	82	7	25	70-130
Trichloroethene	94	87	8	25	70-130
1,2-Dichlorobenzene	95	92	3	25	70-130
1,3-Dichlorobenzene	96	91	5	25	70-130
1,4-Dichlorobenzene	95	91	4	25	70-130
Methyl tert butyl ether	96	101	5	25	70-130
p/m-Xylene	97	92	5	25	70-130
o-Xylene	96	91	5	25	70-130
cis-1,2-Dichloroethene	97	88	10	25	70-130
Dibromomethane	94	92	2	25	70-130
1,2,3-Trichloropropane	91	91	0	25	70-130
Styrene	97	92	5	25	70-130
Dichlorodifluoromethane	129	122	6	50	70-130
Acetone	127	127	0	50	70-130
Carbon disulfide	81	78	4	25	70-130
2-Butanone	110	114	4	50	70-130
4-Methyl-2-pentanone	91	94	3	50	70-130
2-Hexanone	119	120	1	50	70-130
Bromochloromethane	97	97	0	25	70-130
Tetrahydrofuran	141	131	7	25	70-130
2,2-Dichloropropane	97	88	10	25	70-130
1,2-Dibromoethane	90	92	2	25	70-130
1,3-Dichloropropane	92	90	2	25	70-130
1,1,1,2-Tetrachloroethane	99	95	4	25	70-130
Bromobenzene	95	92	3	25	70-130
n-Butylbenzene	81	73	10	25	70-130
sec-Butylbenzene	91	83	9	25	70-130
tert-Butylbenzene	92	86	7	25	70-130
o-Chlorotoluene	99	93	6	25	70-130
p-Chlorotoluene	97	91	6	25	70-130
1,2-Dibromo-3-chloropropane	89	92	3	50	70-130
Hexachlorobutadiene	95	86	10	25	70-130
Isopropylbenzene	96	89	8	25	70-130
p-Isopropyltoluene	86	79	8	25	70-130
Naphthalene	75	77	3	25	70-130
n-Propylbenzene	96	89	8	25	70-130
1,2,3-Trichlorobenzene	79	78	1	25	70-130
1,2,4-Trichlorobenzene	78	74	5	25	70-130
1,3,5-Trimethylbenzene	90	85	6	25	70-130
1,2,4-Trimethylbenzene	90	84	7	25	70-130

ALPHA ANALYTICAL LABORATORIES
 QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0407972

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 04-06 (WG176909-1, WG176909)					
Ethyl ether	96	96	0	25	70-130
Isopropyl Ether	110	106	4	25	70-130
Ethyl-Tert-Butyl-Ether	102	104	2	25	70-130
Tertiary-Amyl Methyl Ether	104	104	0	25	70-130
1,4-Dioxane	112	114	2	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	105	107	2		70-130
Toluene-d8	99	99	0		70-130
4-Bromofluorobenzene	97	97	0		70-130
Dibromofluoromethane	104	105	1		70-130

ALPHA ANALYTICAL LABORATORIES
 QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0407972

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
Volatile Organics by MCP 8260B for sample(s) 01 (L0407972-01, WG176898)					
Methylene chloride	85	82	4	30	70-130
1,1-Dichloroethane	85	84	1	30	70-130
Chloroform	91	87	4	30	70-130
Carbon tetrachloride	93	85	9	30	70-130
1,2-Dichloropropane	88	85	3	30	70-130
Dibromochloromethane	87	82	6	30	70-130
1,1,2-Trichloroethane	89	88	1	30	70-130
Tetrachloroethene	96	89	8	30	70-130
Chlorobenzene	92	87	6	30	70-130
1,2-Dichloroethane	89	88	1	30	70-130
1,1,1-Trichloroethane	96	90	6	30	70-130
Bromodichloromethane	88	88	0	30	70-130
trans-1,3-Dichloropropene	86	82	5	30	70-130
cis-1,3-Dichloropropene	85	85	0	30	70-130
Bromoform	94	92	2	30	70-130
1,1,2,2-Tetrachloroethane	88	86	2	30	70-130
Benzene	90	83	8	30	70-130
Chloromethane	78	75	4	30	70-130
Vinyl chloride	80	75	6	30	70-130
Chloroethane	74	71	4	30	70-130
1,1-Dichloroethene	75	70	7	30	70-130
trans-1,2-Dichloroethene	86	81	6	30	70-130
Trichloroethene	45	24	61	30	70-130
1,2-Dichlorobenzene	92	84	9	30	70-130
1,3-Dichlorobenzene	95	88	8	30	70-130
1,4-Dichlorobenzene	92	84	9	30	70-130
Methyl tert butyl ether	89	92	3	30	70-130
cis-1,2-Dichloroethene	86	81	6	30	70-130
Dichlorodifluoromethane	92	81	13	30	70-130
1,2-Dibromoethane	88	84	5	30	70-130
1,3-Dichloropropane	89	85	5	30	70-130
1,1,1,2-Tetrachloroethane	93	88	6	30	70-130
o-Chlorotoluene	96	87	10	30	70-130
p-Chlorotoluene	94	87	8	30	70-130
Hexachlorobutadiene	92	80	14	30	70-130
1,2,4-Trichlorobenzene	90	88	2	30	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	99	99	0		70-130
Toluene-d8	105	103	2		70-130
4-Bromofluorobenzene	102	102	0		70-130
Dibromofluoromethane	99	99	0		70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0407972

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 02-03 (WG176866-3)							
Volatile Organics by MCP 8260B				60 8260B	0727 17:28 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				
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				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0407972

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 02-03 (WG176866-3)							
Volatile Organics by MCP 8260B continued				60 8260B	0727 17:28		RY
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	101.	%					70-130
Toluene-d8	101.	%					70-130
4-Bromofluorobenzene	121.	%					70-130
Dibromofluoromethane	98.0	%					70-130
Blank Analysis for sample(s) 01 (WG176898-5)							
Volatile Organics by MCP 8260B				60 8260B	0728 10:22		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				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0407972

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01 (WG176898-5)							
Volatile Organics by MCP 8260B continued				60 8260B		0728 10:22	RY
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	102.	%	70-130				
Toluene-d8	104.	%	70-130				
4-Bromofluorobenzene	130.	%	70-130				
Dibromofluoromethane	100.	%	70-130				
Blank Analysis for sample(s) 04-06 (WG176909-3)							
Volatile Organics by MCP 8260B				60 8260B		0728 10:41	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				
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				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0407972

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 04-06 (WG176909-3)							
Volatile Organics by MCP 8260B continued				60 8260B		0728 10:41	RY
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				
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				

ALPHA ANALYTICAL LABORATORIES
 QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0407972

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 04-06 (WG176909-3)							
Volatile Organics by MCP 8260B continued				60 8260B		0728 10:41	RY
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	111.	%		70-130			
Toluene-d8	98.0	%		70-130			
4-Bromofluorobenzene	101.	%		70-130			
Dibromofluoromethane	105.	%		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: L0407972

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
L0407972-01A	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0407972-01B	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0407972-01C	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0407972-01D	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0407972-01E	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0407972-01F	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0407972-02A	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0407972-03A	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0407972-03B	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0407972-04A	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0407972-04B	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0407972-05A	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0407972-05B	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0407972-06A	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0407972-06B	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04

Container Comments

Container ID Comments



CHAIN OF CUSTODY

PAGE 1 OF 1

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

Client Information

Client: CFM
Address: 309 Boylston St Boston MA

Phone: 617-646-7800
Fax: 617-646-6447
Email: _____

Project Information

Project Name: Royman Wayland
Project Location: Wayland - MA
Project #: 13000
Project Manager: Jeremy Picard
ALPHA Quote #: _____

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: 7/28 Time: _____

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

Date Rec'd In Lab: 7/24

ALPHA Job #: 20402922

Report Information - Data Deliverables

FAX EMAIL
 INDEX 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 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	State/Fed Program	Criteria	Sample Specific Comments
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799-2.1	MW-2037M	7-20-04	14:50	GW	CF	V	A			
1	MSMW-2037M	7-20-04	14:10	GW	CF	V	A			
2	MSDMW-2037M	7-20-04	14:45	GW	CF	V	A			
3	TB-2	7-14-04	16:00		JM	V	A			
4	MW-2044M	7-21-04	12:25	GW	CF	V	A			
5	MW-2045	7-21-04	10:23	GW	CF	V	A			
6	MW-207D	7-21-04	08:21	GW	CF	V	A			
7	MW-204D	7-21-04	15:06	GW	CF	V	A			

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR PROJECT MCP?

Container Type V
Preservative A

Relinquished By: _____

Date/Time: 7/21/04

Received By: _____

Date/Time: 7/21/04

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.