

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: L0413677
Address: 399 Boylston Street
6th Floor
Boston, MA 02116 Date Received: 08-DEC-2004
Attn: Jeremy Picard Date Reported: 15-DEC-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



CHAIN OF CUSTODY

PAGE 1 OF 1

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

Client Information

Client: ERM

Address: 300 Baylston St

Weston, MA

Phone: 617-044-7800

Fax:

Email:

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Project Information

Project Name: Baylston - Wayland

Project Location: Wayland, MA

Project #: 136000

Project Manager: J.P. Carr

ALPHA Quote #:

Turn-Around Time

Standard

RUSH (only confirmed if pre-approved)

Date Due: 12/17

Time:

Date Rec'd in Lab: 12/18

Report Information - Data Deliverables

FAX EMAIL

Index Add'l Deliverables

Regulatory Requirements/Report Limits

State/Fed Program

Criteria

Billing Information

PO #:

ALPHA Job #: 100136022

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)

ANALYSIS	RESULTS
00218 Chlorine	
00219 Chlorine	
00220 Chlorine	
00221 Chlorine	
00222 Chlorine	
00223 Chlorine	
00224 Chlorine	
00225 Chlorine	
00226 Chlorine	
00227 Chlorine	
00228 Chlorine	
00229 Chlorine	
00230 Chlorine	
00231 Chlorine	
00232 Chlorine	
00233 Chlorine	
00234 Chlorine	
00235 Chlorine	
00236 Chlorine	
00237 Chlorine	
00238 Chlorine	
00239 Chlorine	
00240 Chlorine	
00241 Chlorine	
00242 Chlorine	
00243 Chlorine	
00244 Chlorine	
00245 Chlorine	
00246 Chlorine	
00247 Chlorine	
00248 Chlorine	
00249 Chlorine	
00250 Chlorine	

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								
8477.1	NWJ-2607S	12-14-08	1055	GW	BT	N	P				*Metals Only
1	NSNWJ-260NS	12-14-08	1055	GW	BT	N	P				Chloride Sample
1	NSDNWJ-260NS	12-14-08	1055	GW	BT	N	P				Chloride Sample
2	NWJ-2607M	12-14-08	1055	GW	BT	N	P				
3	NWJ-2607D	12-14-08	1445	GW	BT	N	P				

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR

PROJECT

MCP ?

Relinquished By:

Date/Time

Received By:

Date/Time

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

ALPHA ANALYTICAL LABORATORIES

Laboratory Job Number: L0413677
Date Reported: 15-DEC-2004

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0413677-01	MW-267S	WAYLAND, MA
L0413677-02	MW-267M	WAYLAND, MA
L0413677-03	MW-267D	WAYLAND, MA

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0413677

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

L0413677-01 has elevated limits of detection due to the 5x dilutions required by the elevated concentrations of target compounds in the sample.

L0413677-02 has elevated limits of detection due to the 10x dilutions required by the elevated concentrations of target compounds in the sample.

In reference to question E:

The WG189155-1,2 MS,MSD have low recoveries and a high RPD for Trichloroethene due to the native concentration of this analyte in the sample.

**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: L0413677-01	Date Collected: 07-DEC-2004 10:55
MW-267S	Date Received : 08-DEC-2004
Sample Matrix: WATER	Date Reported : 15-DEC-2004
Condition of Sample: Satisfactory	Field Prep: Field Filtered
Number & Type of Containers: 3-Plastic,5-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Dissolved Metals by MCP 6000/7000 series				60 6010B		
Arsenic, Dissolved	ND	mg/l	0.005	60 6010B	1209 14:00 1215 11:48	MG
Volatile Organics by MCP 8260B				60 8260B	1209 17:35	RY
Methylene chloride	ND	ug/l	25.			
1,1-Dichloroethane	ND	ug/l	3.8			
Chloroform	ND	ug/l	3.8			
Carbon tetrachloride	ND	ug/l	2.5			
1,2-Dichloropropane	ND	ug/l	8.8			
Dibromochloromethane	ND	ug/l	2.5			
1,1,2-Trichloroethane	ND	ug/l	3.8			
Tetrachloroethene	2.5	ug/l	2.5			
Chlorobenzene	ND	ug/l	2.5			
1,2-Dichloroethane	ND	ug/l	2.5			
1,1,1-Trichloroethane	ND	ug/l	2.5			
Bromodichloromethane	ND	ug/l	2.5			
trans-1,3-Dichloropropene	ND	ug/l	2.5			
cis-1,3-Dichloropropene	ND	ug/l	2.5			
Bromoform	ND	ug/l	10.			
1,1,2,2-Tetrachloroethane	ND	ug/l	2.5			
Chloromethane	ND	ug/l	12.			
Vinyl chloride	ND	ug/l	5.0			
Chloroethane	ND	ug/l	5.0			
1,1-Dichloroethene	ND	ug/l	2.5			
trans-1,2-Dichloroethene	ND	ug/l	3.8			
Trichloroethene	200	ug/l	2.5			
1,2-Dichlorobenzene	ND	ug/l	12.			
1,3-Dichlorobenzene	ND	ug/l	12.			
1,4-Dichlorobenzene	ND	ug/l	12.			
cis-1,2-Dichloroethene	50.	ug/l	2.5			
Dichlorodifluoromethane	ND	ug/l	25.			
1,2-Dibromoethane	ND	ug/l	10.			
1,3-Dichloropropane	ND	ug/l	12.			
1,1,1,2-Tetrachloroethane	ND	ug/l	2.5			
o-Chlorotoluene	ND	ug/l	12.			
p-Chlorotoluene	ND	ug/l	12.			
Hexachlorobutadiene	ND	ug/l	5.0			
1,2,4-Trichlorobenzene	ND	ug/l	12.			

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0413677-01
 MW-267S

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				60 8260B	1209 17:35 RY		
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	107.	%		70-130			
Toluene-d8	100.	%		70-130			
4-Bromofluorobenzene	106.	%		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**

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

Laboratory Sample Number: L0413677-02	Date Collected: 07-DEC-2004 12:25
MW-267M	Date Received : 08-DEC-2004
Sample Matrix: WATER	Date Reported : 15-DEC-2004
Condition of Sample: Satisfactory	Field Prep: Field Filtered
Number & Type of Containers: 1-Plastic,2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Dissolved Metals by MCP 6000/7000 series				60 6010B		
Arsenic, Dissolved	0.006	mg/l	0.005	60 6010B	1209 14:00 1215 12:14	MG
Volatile Organics by MCP 8260B				60 8260B	1209 18:11	RY
Methylene chloride	ND	ug/l	50.			
1,1-Dichloroethane	ND	ug/l	7.5			
Chloroform	ND	ug/l	7.5			
Carbon tetrachloride	ND	ug/l	5.0			
1,2-Dichloropropane	ND	ug/l	18.			
Dibromochloromethane	ND	ug/l	5.0			
1,1,2-Trichloroethane	ND	ug/l	7.5			
Tetrachloroethene	25.	ug/l	5.0			
Chlorobenzene	ND	ug/l	5.0			
1,2-Dichloroethane	ND	ug/l	5.0			
1,1,1-Trichloroethane	ND	ug/l	5.0			
Bromodichloromethane	ND	ug/l	5.0			
trans-1,3-Dichloropropene	ND	ug/l	5.0			
cis-1,3-Dichloropropene	ND	ug/l	5.0			
Bromoform	ND	ug/l	20.			
1,1,2,2-Tetrachloroethane	ND	ug/l	5.0			
Chloromethane	ND	ug/l	25.			
Vinyl chloride	ND	ug/l	10.			
Chloroethane	ND	ug/l	10.			
1,1-Dichloroethene	ND	ug/l	5.0			
trans-1,2-Dichloroethene	ND	ug/l	7.5			
Trichloroethene	530	ug/l	5.0			
1,2-Dichlorobenzene	ND	ug/l	25.			
1,3-Dichlorobenzene	ND	ug/l	25.			
1,4-Dichlorobenzene	ND	ug/l	25.			
cis-1,2-Dichloroethene	220	ug/l	5.0			
Dichlorodifluoromethane	ND	ug/l	50.			
1,2-Dibromoethane	ND	ug/l	20.			
1,3-Dichloropropane	ND	ug/l	25.			
1,1,1,2-Tetrachloroethane	ND	ug/l	5.0			
o-Chlorotoluene	ND	ug/l	25.			
p-Chlorotoluene	ND	ug/l	25.			
Hexachlorobutadiene	ND	ug/l	10.			
1,2,4-Trichlorobenzene	ND	ug/l	25.			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0413677-02
MW-267M

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	ID ANAL
Volatile Organics by MCP 8260B continued				60 8260B	1209 18:11	RY
Surrogate(s)	Recovery			QC Criteria		
1,2-Dichloroethane-d4	104.	%		70-130		
Toluene-d8	100.	%		70-130		
4-Bromofluorobenzene	100.	%		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**

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

Laboratory Sample Number: L0413677-03	Date Collected: 07-DEC-2004 14:45
MW-267D	Date Received : 08-DEC-2004
Sample Matrix: WATER	Date Reported : 15-DEC-2004
Condition of Sample: Satisfactory	Field Prep: Field Filtered
Number & Type of Containers: 1-Plastic,2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Dissolved Metals by MCP 6000/7000 series				60 6010B		
Arsenic, Dissolved	0.008	mg/l	0.005	60 6010B	1209 14:00 1215 12:17	MG
Volatile Organics by MCP 8260B				60 8260B	1209 18:47	RY
Methylene chloride	ND	ug/l	5.0			
1,1-Dichloroethane	ND	ug/l	0.75			
Chloroform	ND	ug/l	0.75			
Carbon tetrachloride	ND	ug/l	0.50			
1,2-Dichloropropane	ND	ug/l	1.8			
Dibromochloromethane	ND	ug/l	0.50			
1,1,2-Trichloroethane	ND	ug/l	0.75			
Tetrachloroethene	ND	ug/l	0.50			
Chlorobenzene	ND	ug/l	0.50			
1,2-Dichloroethane	ND	ug/l	0.50			
1,1,1-Trichloroethane	ND	ug/l	0.50			
Bromodichloromethane	ND	ug/l	0.50			
trans-1,3-Dichloropropene	ND	ug/l	0.50			
cis-1,3-Dichloropropene	ND	ug/l	0.50			
Bromoform	ND	ug/l	2.0			
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50			
Chloromethane	ND	ug/l	2.5			
Vinyl chloride	ND	ug/l	1.0			
Chloroethane	ND	ug/l	1.0			
1,1-Dichloroethene	ND	ug/l	0.50			
trans-1,2-Dichloroethene	ND	ug/l	0.75			
Trichloroethene	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: L0413677-03
MW-267D

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by MCP 8260B continued				60 8260B	1209 18:47		RY
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	109.	%		70-130			
Toluene-d8	102.	%		70-130			
4-Bromofluorobenzene	100.	%		70-130			
Dibromofluoromethane	98.0	%		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: L0413677

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Dissolved Metals by MCP 6000/7000 series for sample(s) 01-03 (WG188966-4, WG188966)					
Arsenic, Dissolved	113	114	1	20	75-125
Volatile Organics by MCP 8260B for sample(s) 01-03 (WG189155-3, WG189155)					
Methylene chloride	84	86	2	25	70-130
1,1-Dichloroethane	86	93	8	25	70-130
Chloroform	82	88	7	25	70-130
Carbon tetrachloride	88	96	9	25	70-130
1,2-Dichloropropane	87	92	6	25	70-130
Dibromochloromethane	90	93	3	25	70-130
1,1,2-Trichloroethane	84	92	9	25	70-130
Tetrachloroethene	88	94	7	25	70-130
Chlorobenzene	89	93	4	25	70-130
1,2-Dichloroethane	91	94	3	25	70-130
1,1,1-Trichloroethane	85	93	9	25	70-130
Bromodichloromethane	87	92	6	25	70-130
trans-1,3-Dichloropropene	87	95	9	25	70-130
cis-1,3-Dichloropropene	89	92	3	25	70-130
Bromoform	87	90	3	50	70-130
1,1,2,2-Tetrachloroethane	86	90	5	25	70-130
Chloromethane	86	90	5	50	70-130
Vinyl chloride	88	95	8	25	70-130
Chloroethane	82	85	4	25	70-130
1,1-Dichloroethene	86	92	7	25	70-130
trans-1,2-Dichloroethene	91	91	0	25	70-130
Trichloroethene	84	90	7	25	70-130
1,2-Dichlorobenzene	86	91	6	25	70-130
1,3-Dichlorobenzene	86	91	6	25	70-130
1,4-Dichlorobenzene	89	94	5	25	70-130
cis-1,2-Dichloroethene	83	88	6	25	70-130
Dichlorodifluoromethane	80	88	10	50	70-130
1,2-Dibromoethane	90	92	2	25	70-130
1,3-Dichloropropane	88	94	7	25	70-130
1,1,1,2-Tetrachloroethane	93	97	4	25	70-130
o-Chlorotoluene	86	92	7	25	70-130
p-Chlorotoluene	86	92	7	25	70-130
Hexachlorobutadiene	84	92	9	25	70-130
1,2,4-Trichlorobenzene	90	93	3	25	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	101	105	4		70-130
Toluene-d8	100	103	3		70-130
4-Bromofluorobenzene	101	101	0		70-130
Dibromofluoromethane	101	103	2		70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0413677

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
Dissolved Metals by MCP 6000/7000 series for sample(s) 01-03 (L0413677-01, WG188966)					
Arsenic, Dissolved	116	114	2	20	75-125
Volatile Organics by MCP 8260B for sample(s) 01-03 (L0413677-01, WG189155)					
Methylene chloride	93	95	2	30	70-130
1,1-Dichloroethane	102	97	5	30	70-130
Chloroform	94	90	4	30	70-130
Carbon tetrachloride	100	98	2	30	70-130
1,2-Dichloropropane	99	96	3	30	70-130
Dibromochloromethane	98	98	0	30	70-130
1,1,2-Trichloroethane	94	95	1	30	70-130
Tetrachloroethene	96	92	4	30	70-130
Chlorobenzene	98	97	1	30	70-130
1,2-Dichloroethane	98	98	0	30	70-130
1,1,1-Trichloroethane	96	93	3	30	70-130
Bromodichloromethane	97	93	4	30	70-130
trans-1,3-Dichloropropene	99	94	5	30	70-130
cis-1,3-Dichloropropene	99	96	3	30	70-130
Bromoform	100	97	3	30	70-130
1,1,2,2-Tetrachloroethane	98	100	2	30	70-130
Chloromethane	92	86	7	30	70-130
Vinyl chloride	92	88	4	30	70-130
Chloroethane	90	90	0	30	70-130
1,1-Dichloroethene	96	90	6	30	70-130
trans-1,2-Dichloroethene	97	90	7	30	70-130
Trichloroethene	17	6	101	30	70-130
1,2-Dichlorobenzene	98	91	7	30	70-130
1,3-Dichlorobenzene	96	92	4	30	70-130
1,4-Dichlorobenzene	96	97	1	30	70-130
cis-1,2-Dichloroethene	80	73	9	30	70-130
Dichlorodifluoromethane	82	76	8	30	70-130
1,2-Dibromoethane	98	94	4	30	70-130
1,3-Dichloropropane	96	96	0	30	70-130
1,1,1,2-Tetrachloroethane	103	100	3	30	70-130
o-Chlorotoluene	96	93	3	30	70-130
p-Chlorotoluene	96	91	5	30	70-130
Hexachlorobutadiene	90	83	8	30	70-130
1,2,4-Trichlorobenzene	94	91	3	30	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	105	107	2		70-130
Toluene-d8	101	103	2		70-130
4-Bromofluorobenzene	102	98	4		70-130
Dibromofluoromethane	104	104	0		70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0413677

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
-----------	--------	-------	-----	------------	------------------------	----

Blank Analysis for sample(s) 01-03 (WG188966-3)						
Dissolved Metals by MCP 6000/7000 series				60 6010B		

Arsenic, Dissolved	ND	mg/l	0.005	60 6010B	1209 14:00 1215 11:33	MG
--------------------	----	------	-------	----------	-----------------------	----

Blank Analysis for sample(s) 01-03 (WG189155-5)						
Volatile Organics by MCP 8260B				60 8260B		1209 12:48 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			

Surrogate(s)	Recovery		QC Criteria		
1,2-Dichloroethane-d4	104.	%	70-130		
Toluene-d8	104.	%	70-130		
4-Bromofluorobenzene	102.	%	70-130		
Dibromofluoromethane	103.	%	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.

ug/cart Micrograms per Cartridge.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

**ALPHA ANALYTICAL LABORATORIES
LOGIN SPECIFIC INFORMATION**

Laboratory Job Number: L0413677

Were project specific reporting limits specified? NO

Cooler Information

Cooler	Custody Seal
--------	--------------

A	Absent
---	--------

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0413677-01A	Vial HCl preserved	A	N/A	1.4 C	Y	Absent	MCP-8260-04
L0413677-01B	Vial HCl preserved	A	N/A	1.4 C	Y	Absent	MCP-8260-04
L0413677-01C	Plastic 250ml HNO3 preserved	A	<2	1.4 C	Y	Absent	MCP-AS-6010S
L0413677-01D	Vial HCl preserved	A	N/A	1.4 C	Y	Absent	MCP-8260-04
L0413677-01E	Vial HCl preserved	A	N/A	1.4 C	Y	Absent	MCP-8260-04
L0413677-01F	Vial HCl preserved	A	N/A	1.4 C	Y	Absent	MCP-8260-04
L0413677-01G	Plastic 250ml HNO3 preserved	A	<2	1.4 C	Y	Absent	MCP-AS-6010S
L0413677-01H	Plastic 250ml HNO3 preserved	A	<2	1.4 C	Y	Absent	MCP-AS-6010S
L0413677-02A	Vial HCl preserved	A	N/A	1.4 C	Y	Absent	MCP-8260-04
L0413677-02B	Vial HCl preserved	A	N/A	1.4 C	Y	Absent	MCP-8260-04
L0413677-02C	Plastic 250ml HNO3 preserved	A	<2	1.4 C	Y	Absent	MCP-AS-6010S
L0413677-03A	Vial HCl preserved	A	N/A	1.4 C	Y	Absent	MCP-8260-04
L0413677-03B	Vial HCl preserved	A	N/A	1.4 C	Y	Absent	MCP-8260-04
L0413677-03C	Plastic 250ml HNO3 preserved	A	<2	1.4 C	Y	Absent	MCP-AS-6010S

Container Comments

Container ID	Comments
--------------	----------
