

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:** L0404270
Address: 399 Boylston Street
6th Floor
Boston, MA 02116 **Date Received:** 26-APR-2004
Attn: Jeremy Picard **Date Reported:** 04-MAY-2004
Project Number: 13606.03.02 **Delivery Method:** Alpha
Site: RAYTHEON

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0404270-01	MW-220S	WAYLAND, MA
L0404270-02	MW-220M	WAYLAND, MA
L0404270-03	MW-219D	WAYLAND, MA

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: James Todaro
This document electronically signed

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: L0404270-01 MW-220S	Date Collected: 26-APR-2004 13:40
Sample Matrix: WATER	Date Received : 26-APR-2004
	Date Reported : 04-MAY-2004
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Plastic	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Chloride	68.	mg/l	1.0	1 9251		0427 01:47 DD	

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: L0404270-02 Date Collected: 26-APR-2004 12:10
MW-220M Date Received : 26-APR-2004
Sample Matrix: WATER Date Reported : 04-MAY-2004
Condition of Sample: Satisfactory Field Prep: None
Number & Type of Containers: 1-Plastic

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Chloride	27.	mg/l	1.0	1 9251		0427 01:48 DD	

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: L0404270-03
MW-219D
Sample Matrix: WATER
Condition of Sample: Satisfactory
Number & Type of Containers: 1-Plastic
Date Collected: 26-APR-2004 15:05
Date Received : 26-APR-2004
Date Reported : 04-MAY-2004
Field Prep: None

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Chloride	50.	mg/l	1.0	1 9251		0427 01:48 DD	

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0404270

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Chloride	ND	ND	mg/l	NC	7

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0404270

Parameter	% Recovery	QC Criteria
Chloride LCS for sample(s) 01-03 (WG168843)		
Chloride	93	84-110
Chloride SPIKE for sample(s) 01-03 (L0404221-14, WG168843)		
Chloride	84	58-140

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0404270

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	ID ANAL
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Blank Analysis for sample(s) 01-03 (WG168843-2)

Chloride	ND	mg/l	1.0	1 9251	0427 00:05 DD	
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ALPHA ANALYTICAL LABORATORIES
ADDENDUM I

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

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.

04/11/04 1 1 1 4/26/04 10404270

Client Information

Firm: **ERM**
 Address: **399 Bayston St Fl 6**
Boston, MA 02116
 Phone: **617 676 7800**
 Fax: **617 267 6447**
 Email: **theresa.kennedy@erm.com**
 Project Location: **Raytheon Wayland, MA**
 Project # **13606.03.02**
 Project Manager: **J Ricard**
 ALPHA Quote #:
 Turn-Around Time
 Standard RUSH (only confirmed if pre-approved?)
 Date Due: **5/3/04** Time:

Report Information - Data Delivery Status
 ADEX ADEX
 BEMAIL BEMAIL
 J Add'l Deliverables
 Regulatory Requirements/Report Limits
 State/Fed Program Criteria

MCP PRESUMPTIVE CERTAINTY - THESE QUESTIONS MUST BE ANSWERED

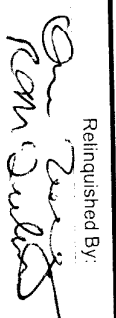
Yes No Are MCP Analytical Methods Required?
 Yes No Are Drinking Water Samples Submitted?
 Yes No Have you met minimum field QC requirements?

ANALYSIS
 Chloride
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	Date/Time	Received By:	Date/Time
04270 1	MMW-220S	4/26/04	1340	GW	MH	P	A	4/26/04 1053	ERM/J. Sullivan	4/26/04 1700
2	MMW-220M	4/26/04	1210	GW	MH	A		4/26/04 1700	ERM/J. Sullivan	4/26/04 1700
3	MMW-214D	4/26/04	1505	GW	MH	A		4/26/04 1700	ERM/J. Sullivan	4/26/04 1700

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR PROJECT
MCP ?

Relinquished By:


Date/Time
 4/26/04 1053
 4/26/04 1700

Received By:


Date/Time
 4/26/04 1653
 4/26/04 1700

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.

TOTAL # BOTTLERS