

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:** L0404322
Address: 399 Boylston Street
6th Floor
Boston, MA 02116 **Date Received:** 27-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
L0404322-01	MW-219S	WAYLAND, MA
L0404322-02	MW-219M	WAYLAND, MA
L0404322-03	MW-221M	WAYLAND, MA
L0404322-04	MW-221D	WAYLAND, MA
L0404322-05	DUP-2	WAYLAND, MA
L0404322-06	MW-218S	WAYLAND, MA
L0404322-07	MW-218M	WAYLAND, MA
L0404322-08	MW-218D	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: Scott McLean
This document electronically signed

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0404322

Chloride

L0404322-03, -06, -07, and the associated Duplicate have an elevated limit of detection due to the 10x dilutions required for the samples to fall within the calibration curve.

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0404322

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Chloride for sample(s) 01-08 (L0404322-06, WG169288)					
Chloride	260	260	mg/l	0	7

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0404322

Parameter	% Recovery	QC Criteria
Chloride LCS for sample(s) 01-08 (WG169288)		
Chloride	100	84-110
Chloride SPIKE for sample(s) 01-08 (L0404322-06, WG169288)		
Chloride	100	58-140

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0404322

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	ID ANAL
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Blank Analysis for sample(s) 01-08 (WG169288-2)						
Chloride	ND	mg/l	1.0	1 9251	0429 21:05 DD	

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.

CHAIN OF CUSTODY 1 1 4/27/04 10404322

Client Information

Project # 13606.03.02
 Project Manager: J Picard
 Project Location: Raytheon Wayland MA
 Address: 399 Baystate St
 Boston, MA 02116
 Phone: 617 267 8377
 Fax: 617 267 6472
 Email: Theresa.Kennedy@com.com
 ALPHA Quote #:
 Turn-Around Time
 Standard RUSH (only confirmed if pre-approved)
 Date Due: 5/4/04 Time:

Regulatory Requirements/Report Limits

MADELY JADA CHEMISTS
 State/Fed Program Criteria
 MCPPRESUMPTIVE CERTAINTY - THESE QUESTIONS MUST BE ANSWERED

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
043322-1	MW-219S	4/27/04	1200	GD	LR
2	MW-219M	4/27/04	1000	GD	MH
3	MW-221M	4/27/04	1340	GD	MH
4	MW-221D	4/27/04	1346	GD	LR
5	DVR-2	4/27/04	2400	GD	MH
6	MW-218S	4/27/04	1412	GD	NG
7	MW-218M	4/27/04	1148	GD	NG
8	MW-218D	4/27/04	1027	GD	NG
9	MW-218S	4/27/04	1412	GD	NG

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

Container Type: P
 Preservative: A
 Relinquished By: [Signature]
 Date/Time: 4/27/04 1640
 Received By: [Signature]
 Date/Time: 4/27/04 1640

IS YOUR PROJECT MCP?

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 # BOTTLES