

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:** L0407967  
**Address:** 399 Boylston Street  
6th Floor  
Boston, MA 02116      **Date Received:** 21-JUL-2004  
**Attn:** Jeremy Picard      **Date Reported:** 29-JUL-2004  
**Project Number:** 13606.03.02      **Delivery Method:** Alpha  
**Site:** RAYTHEON

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ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0407967-01	MW-268M	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.

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Authorized by: Ellen M. Collins  
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: Edon

Address: 399 Boston St, Waltham

Phone: 617 646 7800

Fax: 617 267 6447

Email: \_\_\_\_\_

## Project Information

Project Name: for Mary there

Project Location: Waltham

Project #: 1306-03 02

Project Manager: J. P. Carr

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:

\* Field Filtered using 0.45 micron filter

Date Rec'd in Lab: 7/21

ALPHA Job #: 10407967

## Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☒ INDEX ☐ Add'l Deliverables

☐ Same as Client info PO #: \_\_\_\_\_

## Billing Information

## 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  
☒ None  
☐ Vol needed  
☐ ab to do  
Preservation  
☐ ab to do  
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLERS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Time	Sample Matrix	Sampler's Initials
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MW-TP3 7.21.04 0820 AM EM

MW-263M 0920

MW-263S 10:00

MW-268B 11:55

MW-268S 13:50

MW-268M 14:40

MW-268D 16:05

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR PROJECT

MCP?

Relinquished By: \_\_\_\_\_

Date/Time

Received By: \_\_\_\_\_

Date/Time

Container Type  
Preservative

☒ P ☒ N ☒ P ☒ V  
☒ C ☒ A ☒ B

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  
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: L0407967-01

MW-268M

Sample Matrix:

WATER

Date Collected: 21-JUL-2004 14:50

Date Received : 21-JUL-2004

Date Reported : 29-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	
Dissolved Gases by GC				53 -	0726 11:16 PS		
Methane	61.2	ug/l	0.300				
Ethene	3.81	ug/l	0.500				
Ethane	ND	ug/l	0.500				

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

ALPHA ANALYTICAL LABORATORIES  
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0407967

Parameter	% Recovery	QC Criteria
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Dissolved Gases by GC LCS for sample(s) 01 (WG176672)

Methane	97	80-120
Ethene	90	80-120
Ethane	94	80-120

Dissolved Gases by GC SPIKE for sample(s) 01 (L0408025-01, WG176672)

Methane	98	80-120
Ethene	91	80-120
Ethane	94	80-120

ALPHA ANALYTICAL LABORATORIES  
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0407967

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01 (WG176672-4)							
Dissolved Gases by GC				53 -		0726 11:01 PS	
Methane	ND	ug/l	0.300				
Ethene	ND	ug/l	0.500				
Ethane	ND	ug/l	0.500				

**ALPHA ANALYTICAL LABORATORIES**  
**ADDENDUM I**

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**REFERENCES**

53. Analysis of Dissolved Methane, Ethane & Ethylene in Groundwater by a Standard Gas Chromatographic Technique, Kampbell & Vandegrift, EPA-OK, Journal of Chrom, Vol 36, May 1998 & Technical Guidance for the Natural Attenuation Indicators, EPA-NE, July 2001.

**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.