

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

CERTIFICATE OF ANALYSIS

RECEIVED AUG 30 1999

Client: ERM-New England Laboratory Job Number: L9906678
Address: 399 Boylston Street Invoice Number: 29123
6th Floor Date Received: 20-AUG-99
Boston, MA 02116 Date Reported: 26-AUG-99
Attn: John McTigue Delivery Method: Alpha
Project Number: 143-48
Site: RAYTHEON WAYLAND

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L9906678-01	MW 33D	
L9906678-02	MW 45D	

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately 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 R. Roth

James R. Roth, PhD - Laboratory Manager

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9906678-01

Date Collected: 19-AUG-1999

MW 33D

Date Received : 20-AUG-1999

Sample Matrix:

WATER

Date Reported : 26-AUG-99

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-40ml VOA

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES		ID
						PREP	ANALYSIS	
Volatile Organics by GC 8021				1	8021B		25-Aug	17
Bromodichloromethane	ND	ug/l	1.0					
Bromoform	ND	ug/l	1.0					
Carbon tetrachloride	ND	ug/l	1.0					
Chlorobenzene	ND	ug/l	1.0					
Dibromochloromethane	ND	ug/l	10.					
Bromomethane/Chloroethane	ND	ug/l	10.					
Chloroform	ND	ug/l	1.0					
Chloromethane/Vinyl chloride	ND	ug/l	10.					
1,2-Dichlorobenzene	ND	ug/l	1.0					
1,3-Dichlorobenzene	ND	ug/l	1.0					
1,4-Dichlorobenzene	ND	ug/l	1.0					
Dichlorodifluoromethane	ND	ug/l	10.					
1,1-Dichloroethane	ND	ug/l	1.0					
1,2-Dichloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	1.0					
cis-1,2-Dichloroethene	ND	ug/l	1.0					
trans-1,2-Dichloroethene	ND	ug/l	1.0					
1,2-Dichloropropane	ND	ug/l	1.0					
cis-1,3-Dichloropropene	ND	ug/l	1.0					
trans-1,3-Dichloropropene	ND	ug/l	1.0					
Methylene chloride	ND	ug/l	10.					
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0					
Tetrachloroethene	ND	ug/l	1.0					
1,1,1-Trichloroethane	ND	ug/l	1.0					
1,1,2-Trichloroethane	ND	ug/l	1.0					
Trichloroethene	7.2	ug/l	1.0					
Trichlorofluoromethane	ND	ug/l	1.0					
2-Chloroethylvinyl ether	ND	ug/l	10.					

Surrogate Recovery

4-Bromochlorobenzene 92.0 %

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9906678-02

Date Collected: 19-AUG-1999

MW 45D

Date Received : 20-AUG-1999

Sample Matrix:

WATER

Date Reported : 26-AUG-99

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-40ml VOA

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC 8021				1	8021B	25-Aug	JC
Bromodichloromethane	ND	ug/l	1.0				
Bromoform	ND	ug/l	1.0				
Carbon tetrachloride	ND	ug/l	1.0				
Chlorobenzene	ND	ug/l	1.0				
Dibromochloromethane	ND	ug/l	10.				
Bromomethane/Chloroethane	ND	ug/l	10.				
Chloroform	ND	ug/l	1.0				
Chloromethane/Vinyl chloride	ND	ug/l	10.				
1,2-Dichlorobenzene	ND	ug/l	1.0				
1,3-Dichlorobenzene	ND	ug/l	1.0				
1,4-Dichlorobenzene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	10.				
1,1-Dichloroethane	ND	ug/l	1.0				
1,2-Dichloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	4.5	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
Methylene chloride	ND	ug/l	10.				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Tetrachloroethene	1.8	ug/l	1.0				
1,1,1-Trichloroethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.0				
Trichloroethene	120	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	1.0				
2-Chloroethylvinyl ether	ND	ug/l	10.				

Surrogate Recovery

4-Bromochlorobenzene 88.0 %

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L9906678

Parameter	MS %	MSD %	RPD
<hr/>			
Volatile Organics by GC 8021 for sample(s) 01-02			
Chlorobenzene	105	64	48
1,1-Dichloroethene	111	96	14
Trichloroethene	93	82	12

ALPHA ANALYTICAL LABORATORIES
 QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L9906678

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES	I
							PREP ANALYSIS
Blank Analysis for sample(s) 01-02							
Volatile Organics by GC 8021				1	8021B	25-Aug	JC
Bromodichloromethane	ND	ug/l	1.0				
Bromoform	ND	ug/l	1.0				
Carbon tetrachloride	ND	ug/l	1.0				
Chlorobenzene	ND	ug/l	1.0				
Dibromochloromethane	ND	ug/l	10.				
Bromomethane/Chloroethane	ND	ug/l	10.				
Chloroform	ND	ug/l	1.0				
Chloromethane/Vinyl chloride	ND	ug/l	10.				
1,2-Dichlorobenzene	ND	ug/l	1.0				
1,3-Dichlorobenzene	ND	ug/l	1.0				
1,4-Dichlorobenzene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	10.				
1,1-Dichloroethane	ND	ug/l	1.0				
1,2-Dichloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
Methylene chloride	ND	ug/l	10.				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Tetrachloroethene	ND	ug/l	1.0				
1,1,1-Trichloroethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.0				
Trichloroethene	ND	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	1.0				
2-Chloroethylvinyl ether	ND	ug/l	10.				

Surrogate Recovery

4-Bromochlorobenzene 96.0 %

ALPHA ANALYTICAL LABORATORIES
ADDENDUM I

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Update III, 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.

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, Inc.

Eight Walkup Drive
Westborough, MA 01581-1019
508-898-9220 FAX 508-898-9193

CHAIN OF CUSTODY RECORD and ANALYSIS REQUEST RECORD

No. 112229
Sheet 1 of 1

Company Name: **ERM - New England**

Project Number: **143-48**
P.O. Number:

Project Name/Location: **Raytheon Wayland**

Date Received: **8/20**
Date Due: **8/27**

Company Address: **399 Boylston St., 6th Floor
Boston MA**

Phone Number: **617-267-8377**
FAX No.: **267-6447**

Project Manager: **John McTigue**

Alpha Lab Number (if applicable): **9706678**

ALPHA Lab # (if applicable)	Sample I.D.	Container Codes: P=Plastic V=Vial C=Cube G=Glass A=Amber Glass B=Bacteria Container O=Other	Containers (number/type)	Matrix/Source	Method Preserve. (number of containers)						Solubles - F.F.	Sampling		MATRIX/SOURCE CODES				
					Unpres.	Ice	Nitric	Sulfuric	HCl	Other		Date	Time	MW=Monitoring Well	RO=Runoff	O=Outfall	W=Well	FL=Landfill
					Analysis Requested													
	MW 33D		2/U	MW	/						8/19	1800	8021 B	(Chlorinated only)				
	MW 45D		2/U	MW	/						8/19	1820	↓	↓				

Sampler's Signature: *[Signature]* Affiliation: **ERM** Date: **8/19/99** Time: **19:00**

ADDITIONAL COMMENTS:
For results and send Attn Ryan Bagley. Make ADEs available.

NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	<i>[Signature]</i>	<i>[Signature]</i>	8/19/99	1040
2	<i>[Signature]</i>	<i>[Signature]</i>	8/19/99	1310
3				
4				

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220

RECEIVED SEP 21 1999

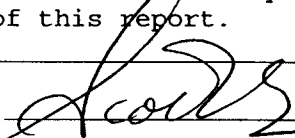
MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

CERTIFICATE OF ANALYSIS

Client: ERM-New England Laboratory Job Number: L9907370
Address: 399 Boylston Street Invoice Number: 29750
6th Floor
Boston, MA 02116 Date Received: 14-SEP-99
Attn: Joe Fiacco Date Reported: 17-SEP-99
Project Number: 143.48 Delivery Method: Alpha
Site: RAYTHEON

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L9907370-01	MW-43S	WAYLAND, MA
L9907370-02	MW-33S	WAYLAND, MA
L9907370-03	MW-33M	WAYLAND, MA
L9907370-04	MW-33D	WAYLAND, MA
L9907370-05	MW-45S	WAYLAND, MA
L9907370-06	MW-45M	WAYLAND, MA
L9907370-07	MW-45D	WAYLAND, MA
L9907370-08	MW-47S	WAYLAND, MA
L9907370-09	MW-47M	WAYLAND, MA
L9907370-10	MW-47D	WAYLAND, MA
L9907370-11	TRIP BLANK	WAYLAND, MA

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately 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 - Laboratory Director

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9907370-01

Date Collected: 14-SEP-1999

MW-43S

Date Received : 14-SEP-1999

Sample Matrix:

WATER

Date Reported : 17-SEP-99

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-40ml VOA

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES		ID
						PREP	ANALYSIS	
Volatile Organics by GC 8021				1	8021B		16-Sep	TT
Benzene	ND	ug/l	2.5					
Ethylbenzene	ND	ug/l	2.5					
Naphthalene	ND	ug/l	2.5					
Toluene	ND	ug/l	2.5					
o-Xylene	ND	ug/l	2.5					
p/m-Xylene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	2.5					
Surrogate Recovery								
4-Bromofluorobenzene	100.	%						
Volatile Organics by GC 8021				1	8021B		16-Sep	UC
Bromodichloromethane	ND	ug/l	2.5					
Bromoform	ND	ug/l	2.5					
Carbon tetrachloride	ND	ug/l	2.5					
Chlorobenzene	ND	ug/l	2.5					
Dibromochloromethane	ND	ug/l	25.					
Bromomethane/Chloroethane	ND	ug/l	25.					
Chloroform	ND	ug/l	2.5					
Chloromethane/Vinyl chloride	ND	ug/l	25.					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	3.4	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Dichlorodifluoromethane	ND	ug/l	25.					
1,1-Dichloroethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	2.5					
1,1-Dichloroethene	ND	ug/l	2.5					
cis-1,2-Dichloroethene	3.6	ug/l	2.5					
trans-1,2-Dichloroethene	ND	ug/l	2.5					
1,2-Dichloropropane	ND	ug/l	2.5					
cis-1,3-Dichloropropene	ND	ug/l	2.5					
trans-1,3-Dichloropropene	ND	ug/l	2.5					
Methylene chloride	ND	ug/l	25.					
1,1,2,2-Tetrachloroethane	ND	ug/l	2.5					
Tetrachloroethene	ND	ug/l	2.5					
1,1,1-Trichloroethane	ND	ug/l	2.5					
1,1,2-Trichloroethane	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: L9907370-01
MW-43S

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC 8021 continued				1	8021B	16-Sep	JC
Trichloroethene	170	ug/l	2.5				
Trichlorofluoromethane	3.0	ug/l	2.5				
2-Chloroethylvinyl ether	ND	ug/l	25.				
Surrogate Recovery							
4-Bromochlorobenzene	87.0	%					

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9907370-02 Date Collected: 14-SEP-1999
 MW-33S Date Received : 14-SEP-1999
 Sample Matrix: WATER Date Reported : 17-SEP-99
 Condition of Sample: Satisfactory Field Prep: None
 Number & Type of Containers: 2-40ml VOA

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS
Volatile Organics by GC 8021						
Benzene	ND	ug/l	2.5	1	8021B	16-Sep
Ethylbenzene	ND	ug/l	2.5			
Naphthalene	ND	ug/l	2.5			
Toluene	ND	ug/l	2.5			
o-Xylene	ND	ug/l	2.5			
p/m-Xylene	ND	ug/l	2.5			
Methyl tert butyl ether	ND	ug/l	2.5			
Surrogate Recovery						
4-Bromofluorobenzene	100.	%				
Volatile Organics by GC 8021						
Bromodichloromethane	ND	ug/l	2.5	1	8021B	16-Sep
Bromoform	ND	ug/l	2.5			
Carbon tetrachloride	ND	ug/l	2.5			
Chlorobenzene	ND	ug/l	2.5			
Dibromochloromethane	ND	ug/l	25.			
Bromomethane/Chloroethane	ND	ug/l	25.			
Chloroform	ND	ug/l	2.5			
Chloromethane/Vinyl chloride	ND	ug/l	25.			
1,2-Dichlorobenzene	ND	ug/l	2.5			
1,3-Dichlorobenzene	ND	ug/l	2.5			
1,4-Dichlorobenzene	ND	ug/l	2.5			
Dichlorodifluoromethane	ND	ug/l	25.			
1,1-Dichloroethane	ND	ug/l	2.5			
1,2-Dichloroethane	ND	ug/l	2.5			
1,1-Dichloroethene	ND	ug/l	2.5			
cis-1,2-Dichloroethene	ND	ug/l	2.5			
trans-1,2-Dichloroethene	ND	ug/l	2.5			
1,2-Dichloropropane	ND	ug/l	2.5			
cis-1,3-Dichloropropene	ND	ug/l	2.5			
trans-1,3-Dichloropropene	ND	ug/l	2.5			
Methylene chloride	ND	ug/l	25.			
1,1,2,2-Tetrachloroethane	ND	ug/l	2.5			
Tetrachloroethene	ND	ug/l	2.5			
1,1,1-Trichloroethane	77.	ug/l	2.5			
1,1,2-Trichloroethane	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: L9907370-02
MW-33S

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC 8021 continued				1	8021B	16-Sep	JC
Trichloroethene	260	ug/l	2.5				
Trichlorofluoromethane	ND	ug/l	2.5				
2-Chloroethylvinyl ether	ND	ug/l	25.				
Surrogate Recovery							
4-Bromochlorobenzene	82.0	%					

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9907370-03 Date Collected: 14-SEP-1999
 MW-33M Date Received : 14-SEP-1999
 Sample Matrix: WATER Date Reported : 17-SEP-99
 Condition of Sample: Satisfactory Field Prep: None
 Number & Type of Containers: 2-40ml VOA

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS
Volatile Organics by GC 8021						
Benzene	ND	ug/l	1.0	1	8021B	16-Sep
Ethylbenzene	ND	ug/l	1.0			
Naphthalene	ND	ug/l	1.0			
Toluene	ND	ug/l	1.0			
o-Xylene	ND	ug/l	1.0			
p/m-Xylene	ND	ug/l	1.0			
Methyl tert butyl ether	ND	ug/l	1.0			
Surrogate Recovery						
4-Bromofluorobenzene	100.	%				
Volatile Organics by GC 8021						
Bromodichloromethane	ND	ug/l	1.0	1	8021B	16-Sep
Bromoform	ND	ug/l	1.0			
Carbon tetrachloride	ND	ug/l	1.0			
Chlorobenzene	ND	ug/l	1.0			
Dibromochloromethane	ND	ug/l	10.			
Bromomethane/Chloroethane	ND	ug/l	10.			
Chloroform	ND	ug/l	1.0			
Chloromethane/Vinyl chloride	ND	ug/l	10.			
1,2-Dichlorobenzene	ND	ug/l	1.0			
1,3-Dichlorobenzene	ND	ug/l	1.0			
1,4-Dichlorobenzene	ND	ug/l	1.0			
Dichlorodifluoromethane	ND	ug/l	10.			
1,1-Dichloroethane	ND	ug/l	1.0			
1,2-Dichloroethane	ND	ug/l	1.0			
1,1-Dichloroethene	ND	ug/l	1.0			
cis-1,2-Dichloroethene	ND	ug/l	1.0			
trans-1,2-Dichloroethene	ND	ug/l	1.0			
1,2-Dichloropropane	ND	ug/l	1.0			
cis-1,3-Dichloropropene	ND	ug/l	1.0			
trans-1,3-Dichloropropene	ND	ug/l	1.0			
Methylene chloride	ND	ug/l	10.			
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0			
Tetrachloroethene	ND	ug/l	1.0			
1,1,1-Trichloroethane	ND	ug/l	1.0			
1,1,2-Trichloroethane	ND	ug/l	1.0			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9907370-03
MW-33M

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC 8021 continued				1	8021B	16-Sep	JC
Trichloroethene	1.8	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	1.0				
2-Chloroethylvinyl ether	ND	ug/l	10.				
Surrogate Recovery							
4-Bromochlorobenzene	82.0	%					

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9907370-04

Date Collected: 14-SEP-1999

MW-33D

Date Received : 14-SEP-1999

Sample Matrix: WATER

Date Reported : 17-SEP-99

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-40ml VOA

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES		ID
						PREP	ANALYSIS	
Volatile Organics by GC 8021				1	8021B		16-Sep	J
Benzene	ND	ug/l	1.0					
Ethylbenzene	ND	ug/l	1.0					
Naphthalene	ND	ug/l	1.0					
Toluene	ND	ug/l	1.0					
o-Xylene	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	1.0					
Methyl tert butyl ether	ND	ug/l	1.0					
Surrogate Recovery								
4-Bromofluorobenzene	100.	%						
Volatile Organics by GC 8021				1	8021B		16-Sep	UC
Bromodichloromethane	ND	ug/l	1.0					
Bromoform	ND	ug/l	1.0					
Carbon tetrachloride	ND	ug/l	1.0					
Chlorobenzene	ND	ug/l	1.0					
Dibromochloromethane	ND	ug/l	10.					
Bromomethane/Chloroethane	ND	ug/l	10.					
Chloroform	ND	ug/l	1.0					
Chloromethane/Vinyl chloride	ND	ug/l	10.					
1,2-Dichlorobenzene	ND	ug/l	1.0					
1,3-Dichlorobenzene	ND	ug/l	1.0					
1,4-Dichlorobenzene	ND	ug/l	1.0					
Dichlorodifluoromethane	ND	ug/l	10.					
1,1-Dichloroethane	ND	ug/l	1.0					
1,2-Dichloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	1.0					
cis-1,2-Dichloroethene	ND	ug/l	1.0					
trans-1,2-Dichloroethene	ND	ug/l	1.0					
1,2-Dichloropropane	ND	ug/l	1.0					
cis-1,3-Dichloropropene	ND	ug/l	1.0					
trans-1,3-Dichloropropene	ND	ug/l	1.0					
Methylene chloride	ND	ug/l	10.					
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0					
Tetrachloroethene	ND	ug/l	1.0					
1,1,1-Trichloroethane	ND	ug/l	1.0					
1,1,2-Trichloroethane	ND	ug/l	1.0					

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9907370-04
 MW-33D

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC 8021 continued				1	8021B	16-Sep	JC
Trichloroethene	ND	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	1.0				
2-Chloroethylvinyl ether	ND	ug/l	10.				
Surrogate Recovery							
4-Bromochlorobenzene	88.0	%					

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9907370-05

Date Collected: 14-SEP-1999

MW-45S

Date Received : 14-SEP-1999

Sample Matrix:

WATER

Date Reported : 17-SEP-99

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-40ml VOA

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES		ID
						PREP	ANALYSIS	
Volatile Organics by GC 8021						1	8021B	16-Sep
Benzene	ND	ug/l	1.0					
Ethylbenzene	ND	ug/l	1.0					
Naphthalene	ND	ug/l	1.0					
Toluene	ND	ug/l	1.0					
o-Xylene	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	1.0					
Methyl tert butyl ether	ND	ug/l	1.0					
Surrogate Recovery								
4-Bromofluorobenzene	103.	%						
Volatile Organics by GC 8021						1	8021B	16-Sep
Bromodichloromethane	ND	ug/l	1.0					
Bromoform	ND	ug/l	1.0					
Carbon tetrachloride	ND	ug/l	1.0					
Chlorobenzene	ND	ug/l	1.0					
Dibromochloromethane	ND	ug/l	10.					
Bromomethane/Chloroethane	ND	ug/l	10.					
Chloroform	ND	ug/l	1.0					
Chloromethane/Vinyl chloride	ND	ug/l	10.					
1,2-Dichlorobenzene	ND	ug/l	1.0					
1,3-Dichlorobenzene	ND	ug/l	1.0					
1,4-Dichlorobenzene	ND	ug/l	1.0					
Dichlorodifluoromethane	ND	ug/l	10.					
1,1-Dichloroethane	ND	ug/l	1.0					
1,2-Dichloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	1.0					
cis-1,2-Dichloroethene	ND	ug/l	1.0					
trans-1,2-Dichloroethene	ND	ug/l	1.0					
1,2-Dichloropropane	ND	ug/l	1.0					
cis-1,3-Dichloropropene	ND	ug/l	1.0					
trans-1,3-Dichloropropene	ND	ug/l	1.0					
Methylene chloride	ND	ug/l	10.					
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0					
Tetrachloroethene	1.1	ug/l	1.0					
1,1,1-Trichloroethane	ND	ug/l	1.0					
1,1,2-Trichloroethane	ND	ug/l	1.0					

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9907370-05
 MW-45S

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC 8021 continued				1	8021B	16-Sep	JC
Trichloroethene	8.0	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	1.0				
2-Chloroethylvinyl ether	ND	ug/l	10.				
Surrogate Recovery							
4-Bromochlorobenzene	90.0	%					

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9907370-06 Date Collected: 14-SEP-1999
 Sample Matrix: MW-45M Date Received : 14-SEP-1999
 WATER Date Reported : 17-SEP-99

Condition of Sample: Satisfactory Field Prep: None

Number & Type of Containers: 2-40ml VOA

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC 8021							
				1	8021B	17-Sep	
Benzene	ND	ug/l	2.5				
Ethylbenzene	ND	ug/l	2.5				
Naphthalene	ND	ug/l	2.5				
Toluene	ND	ug/l	2.5				
o-Xylene	ND	ug/l	2.5				
p/m-Xylene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	2.5				
Surrogate Recovery							
4-Bromofluorobenzene	119.	%					
Volatile Organics by GC 8021							
				1	8021B	17-Sep	
Bromodichloromethane	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.5				
Carbon tetrachloride	ND	ug/l	2.5				
Chlorobenzene	ND	ug/l	2.5				
Dibromochloromethane	ND	ug/l	25.				
Bromomethane/Chloroethane	ND	ug/l	25.				
Chloroform	ND	ug/l	2.5				
Chloromethane/Vinyl chloride	ND	ug/l	25.				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Dichlorodifluoromethane	ND	ug/l	25.				
1,1-Dichloroethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	2.5				
1,1-Dichloroethene	7.3	ug/l	2.5				
cis-1,2-Dichloroethene	ND	ug/l	2.5				
trans-1,2-Dichloroethene	ND	ug/l	2.5				
1,2-Dichloropropane	ND	ug/l	2.5				
cis-1,3-Dichloropropene	ND	ug/l	2.5				
trans-1,3-Dichloropropene	ND	ug/l	2.5				
Methylene chloride	ND	ug/l	25.				
1,1,2,2-Tetrachloroethane	ND	ug/l	2.5				
Tetrachloroethene	ND	ug/l	2.5				
1,1,1-Trichloroethane	39.	ug/l	2.5				
1,1,2-Trichloroethane	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: L9907370-06
MW-45M

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC 8021 continued							
Trichloroethene	140	ug/l	2.5	1	8021B	17-Sep	JC
Trichlorofluoromethane	ND	ug/l	2.5				
2-Chloroethylvinyl ether	ND	ug/l	25.				
Surrogate Recovery							
4-Bromochlorobenzene	95.0	%					

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9907370-07

Date Collected: 14-SEP-1999

MW-45D

Date Received : 14-SEP-1999

Sample Matrix:

WATER

Date Reported : 17-SEP-99

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-40ml VOA

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS
Volatile Organics by GC 8021				1	8021B	17-Sep
Benzene	ND	ug/l	1.0			
Ethylbenzene	ND	ug/l	1.0			
Naphthalene	ND	ug/l	1.0			
Toluene	ND	ug/l	1.0			
o-Xylene	ND	ug/l	1.0			
p/m-Xylene	ND	ug/l	1.0			
Methyl tert butyl ether	ND	ug/l	1.0			
Surrogate Recovery						
4-Bromofluorobenzene	104.	%				
Volatile Organics by GC 8021				1	8021B	17-Sep
Bromodichloromethane	ND	ug/l	1.0			
Bromoform	ND	ug/l	1.0			
Carbon tetrachloride	ND	ug/l	1.0			
Chlorobenzene	ND	ug/l	1.0			
Dibromochloromethane	ND	ug/l	10.			
Bromomethane/Chloroethane	ND	ug/l	10.			
Chloroform	ND	ug/l	1.0			
Chloromethane/Vinyl chloride	ND	ug/l	10.			
1,2-Dichlorobenzene	ND	ug/l	1.0			
1,3-Dichlorobenzene	ND	ug/l	1.0			
1,4-Dichlorobenzene	ND	ug/l	1.0			
Dichlorodifluoromethane	ND	ug/l	10.			
1,1-Dichloroethane	ND	ug/l	1.0			
1,2-Dichloroethane	ND	ug/l	1.0			
1,1-Dichloroethene	ND	ug/l	1.0			
cis-1,2-Dichloroethene	4.5	ug/l	1.0			
trans-1,2-Dichloroethene	ND	ug/l	1.0			
1,2-Dichloropropane	ND	ug/l	1.0			
cis-1,3-Dichloropropene	ND	ug/l	1.0			
trans-1,3-Dichloropropene	ND	ug/l	1.0			
Methylene chloride	ND	ug/l	10.			
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0			
Tetrachloroethene	1.5	ug/l	1.0			
1,1,1-Trichloroethane	ND	ug/l	1.0			
1,1,2-Trichloroethane	ND	ug/l	1.0			

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9907370-07
 MW-45D

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC 8021 continued				1	8021B	17-Sep	JC
Trichloroethene	110	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	1.0				
2-Chloroethylvinyl ether	ND	ug/l	10.				
Surrogate Recovery							
4-Bromochlorobenzene	88.0	%					

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9907370-08

Date Collected: 14-SEP-1999

MW-47S

Date Received : 14-SEP-1999

Sample Matrix:

WATER

Date Reported : 17-SEP-99

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-40ml VOA

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	
Volatile Organics by GC 8021				1	8021B	17-Sep	J
Benzene	ND	ug/l	1.0				
Ethylbenzene	ND	ug/l	1.0				
Naphthalene	ND	ug/l	1.0				
Toluene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
Methyl tert butyl ether	ND	ug/l	1.0				
Surrogate Recovery							
4-Bromofluorobenzene	102.	%					
Volatile Organics by GC 8021				1	8021B	17-Sep	JC
Bromodichloromethane	ND	ug/l	1.0				
Bromoform	ND	ug/l	1.0				
Carbon tetrachloride	ND	ug/l	1.0				
Chlorobenzene	ND	ug/l	1.0				
Dibromochloromethane	ND	ug/l	10.				
Bromomethane/Chloroethane	ND	ug/l	10.				
Chloroform	ND	ug/l	1.0				
Chloromethane/Vinyl chloride	ND	ug/l	10.				
1,2-Dichlorobenzene	ND	ug/l	1.0				
1,3-Dichlorobenzene	ND	ug/l	1.0				
1,4-Dichlorobenzene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	10.				
1,1-Dichloroethane	ND	ug/l	1.0				
1,2-Dichloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
Methylene chloride	ND	ug/l	10.				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Tetrachloroethene	ND	ug/l	1.0				
1,1,1-Trichloroethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.0				

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9907370-08
 MW-47S

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC 8021 continued				1	8021B	17-Sep	JC
Trichloroethene	1.8	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	1.0				
2-Chloroethylvinyl ether	ND	ug/l	10.				
Surrogate Recovery							
4-Bromochlorobenzene	81.0	%					

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9907370-09

Date Collected: 14-SEP-1999

MW-47M

Date Received : 14-SEP-1999

Sample Matrix: WATER

Date Reported : 17-SEP-99

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-40ml VOA

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES		ID
						PREP	ANALYSIS	
Volatile Organics by GC 8021				1	8021B		17-Sep	77
Benzene	ND	ug/l	1.0					
Ethylbenzene	ND	ug/l	1.0					
Naphthalene	ND	ug/l	1.0					
Toluene	ND	ug/l	1.0					
o-Xylene	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	1.0					
Methyl tert butyl ether	ND	ug/l	1.0					
Surrogate Recovery								
4-Bromofluorobenzene	104.	%						
Volatile Organics by GC 8021				1	8021B		17-Sep	77
Bromodichloromethane	ND	ug/l	1.0					
Bromoform	ND	ug/l	1.0					
Carbon tetrachloride	ND	ug/l	1.0					
Chlorobenzene	ND	ug/l	1.0					
Dibromochloromethane	ND	ug/l	10.					
Bromomethane/Chloroethane	ND	ug/l	10.					
Chloroform	ND	ug/l	1.0					
Chloromethane/Vinyl chloride	ND	ug/l	10.					
1,2-Dichlorobenzene	ND	ug/l	1.0					
1,3-Dichlorobenzene	ND	ug/l	1.0					
1,4-Dichlorobenzene	ND	ug/l	1.0					
Dichlorodifluoromethane	ND	ug/l	10.					
1,1-Dichloroethane	ND	ug/l	1.0					
1,2-Dichloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	1.0					
cis-1,2-Dichloroethene	6.5	ug/l	1.0					
trans-1,2-Dichloroethene	ND	ug/l	1.0					
1,2-Dichloropropane	ND	ug/l	1.0					
cis-1,3-Dichloropropene	ND	ug/l	1.0					
trans-1,3-Dichloropropene	ND	ug/l	1.0					
Methylene chloride	ND	ug/l	10.					
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0					
Tetrachloroethene	ND	ug/l	1.0					
1,1,1-Trichloroethane	ND	ug/l	1.0					
1,1,2-Trichloroethane	ND	ug/l	1.0					

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9907370-09
 MW-47M

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC 8021 continued				1	8021B	17-Sep	JC
Trichloroethene	110	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	1.0				
2-Chloroethylvinyl ether	ND	ug/l	10.				
Surrogate Recovery							
4-Bromochlorobenzene	82.0	%					

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9907370-10
MW-47D

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC 8021 continued				1	8021B	17-Sep	JC
Trichloroethene	4.3	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	1.0				
2-Chloroethylvinyl ether	ND	ug/l	10.				
Surrogate Recovery							
4-Bromochlorobenzene	82.0	%					

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9907370-11

Date Collected: 10-SEP-1999

TRIP BLANK

Date Received : 14-SEP-1999

Sample Matrix:

WATER

Date Reported : 17-SEP-99

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-40ml VOA

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS
<hr/>						
Volatile Organics by GC 8021				1	8021B	17-Sep
Benzene	ND	ug/l	1.0			
Ethylbenzene	ND	ug/l	1.0			
Naphthalene	ND	ug/l	1.0			
Toluene	ND	ug/l	1.0			
o-Xylene	ND	ug/l	1.0			
p/m-Xylene	ND	ug/l	1.0			
Methyl tert butyl ether	ND	ug/l	1.0			
Surrogate Recovery						
4-Bromofluorobenzene	109.	%				
<hr/>						
Volatile Organics by GC 8021				1	8021B	17-Sep
Bromodichloromethane	ND	ug/l	1.0			
Bromoform	ND	ug/l	1.0			
Carbon tetrachloride	ND	ug/l	1.0			
Chlorobenzene	ND	ug/l	1.0			
Dibromochloromethane	ND	ug/l	10.			
Bromomethane/Chloroethane	ND	ug/l	10.			
Chloroform	ND	ug/l	1.0			
Chloromethane/Vinyl chloride	ND	ug/l	10.			
1,2-Dichlorobenzene	ND	ug/l	1.0			
1,3-Dichlorobenzene	ND	ug/l	1.0			
1,4-Dichlorobenzene	ND	ug/l	1.0			
Dichlorodifluoromethane	ND	ug/l	10.			
1,1-Dichloroethane	ND	ug/l	1.0			
1,2-Dichloroethane	ND	ug/l	1.0			
1,1-Dichloroethene	ND	ug/l	1.0			
cis-1,2-Dichloroethene	ND	ug/l	1.0			
trans-1,2-Dichloroethene	ND	ug/l	1.0			
1,2-Dichloropropane	ND	ug/l	1.0			
cis-1,3-Dichloropropene	ND	ug/l	1.0			
trans-1,3-Dichloropropene	ND	ug/l	1.0			
Methylene chloride	ND	ug/l	10.			
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0			
Tetrachloroethene	ND	ug/l	1.0			
1,1,1-Trichloroethane	ND	ug/l	1.0			
1,1,2-Trichloroethane	ND	ug/l	1.0			

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9907370-11
 TRIP BLANK

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC 8021 continued				1	8021B	17-Sep	JC
Trichloroethene	ND	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	1.0				
2-Chloroethylvinyl ether	ND	ug/l	10.				
Surrogate Recovery							
4-Bromochlorobenzene	91.0	%					

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L9907370

Parameter	MS %	MSD %	RPD
Volatile Organics by GC 8021 for sample(s) 01-11			
Benzene	100	103	3
Chlorobenzene	97	101	4
Ethylbenzene	90	94	4
Toluene	101	104	3
Chlorobenzene	93	93	0
1,1-Dichloroethene	103	103	0
Trichloroethene	110	110	0

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L9907370

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
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Blank Analysis for sample(s) 01-11

Volatile Organics by GC 8021				1	8021B	16-Sep	JC
Benzene	ND	ug/l	1.0				
Ethylbenzene	ND	ug/l	1.0				
Naphthalene	ND	ug/l	1.0				
Toluene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
Methyl tert butyl ether	ND	ug/l	1.0				

Surrogate Recovery

4-Bromofluorobenzene	99.0	%					
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Blank Analysis for sample(s) 01-11

Volatile Organics by GC 8021				1	8021B	16-Sep	JC
Bromodichloromethane	ND	ug/l	1.0				
Bromoform	ND	ug/l	1.0				
Carbon tetrachloride	ND	ug/l	1.0				
Chlorobenzene	ND	ug/l	1.0				
Dibromochloromethane	ND	ug/l	10.				
Bromomethane/Chloroethane	ND	ug/l	10.				
Chloroform	ND	ug/l	1.0				
Chloromethane/Vinyl chloride	ND	ug/l	10.				
1,2-Dichlorobenzene	ND	ug/l	1.0				
1,3-Dichlorobenzene	ND	ug/l	1.0				
1,4-Dichlorobenzene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	10.				
1,1-Dichloroethane	ND	ug/l	1.0				
1,2-Dichloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
Methylene chloride	ND	ug/l	10.				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Tetrachloroethene	ND	ug/l	1.0				
1,1,1-Trichloroethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.0				
Trichloroethene	ND	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	1.0				
2-Chloroethylvinyl ether	ND	ug/l	10.				

Surrogate Recovery

4-Bromochlorobenzene	85.0	%					
----------------------	------	---	--	--	--	--	--

ALPHA ANALYTICAL LABORATORIES
ADDENDUM I

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Update III, 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.

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, Inc.

Eight Walkup Drive Westborough, MA 01581
 PH: 508.898.9220 FAX: 508.898.9193 www.alphalab.com

CHAIN OF CUSTODY

No 000519

Sheet 1 of 1

Date Rec'd in Lab: 9/14

Client Name: ERM
 Client Address: 399 Boylston St.
Boston, MA. 02116
 Phone #: (617) 267-8377 FAX #: (617) 267-6447

Project Name: RAYTHEON
 Project Location: WALAND, MA.
 Project #: 143.48
 Project Manager: JOHN McTIGUE

Report To: JOE FIACCO
 Bill To: _____
 PO#: _____

- Standard TAT (5 day)
 RUSH TAT _____ (* DAYS)
 FAX Results
 State Forms
 Smart Report

Comments (Please note specific method, detection limit or reporting requirements.)

ANALYSIS REQUEST

Sample ID	Matrix/Source *	Sampling Date	Sampling Time	Sampler's Initials	Solubles: Field Filtered? (Y/N)	VOCs by BOZIB
MW-43S	MW	9.11.99	1110	RCB	NA	X
MW-33S			1130			
-33M			1245			
-33D			115			
MW-45S			0955			
-45M			1005			
-45D			1005			
MW-47S			1055			
-47M			1115			
-47D	▽	▽	1200	▽		
TRIP BLANK	LW	9.10.99	1600	OK	▽	▽

Transfers Accepted By:	Date	Time
<i>[Signature]</i>	9/14/99	5:30
<i>[Signature]</i>	9/14/99	1:00
Transfers Relinquished By:		
<i>[Signature]</i>		

All samples submitted are subject to Alpha's standard Terms and Conditions.

* See Reverse side for Matrix, Container, and Preservative Codes.

Form No.: 01-01

of Containers: 2
 Container Type: * V
 Preservative: * B

RECEIVED OCT 01 1999

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220

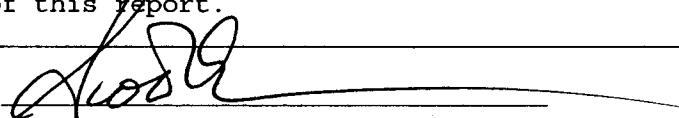
MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

CERTIFICATE OF ANALYSIS

Client: ERM-New England	Laboratory Job Number: L9907710
Address: 399 Boylston Street 6th Floor Boston, MA 02116	Invoice Number: 30131
Attn: Joe Fiacco	Date Received: 24-SEP-99
Project Number: 143.48	Date Reported: 30-SEP-99
Site: RAYTHEON	Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L9907710-01	MW-45D	WAYLAND, MA

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately 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 - Laboratory Director

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9907710-01
MW-45D
Sample Matrix: WATER

Date Collected: 14-SEP-1999
Date Received : 24-SEP-1999
Date Reported : 30-SEP-99

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-40ml VOA

Comments:

Sample vial was previously opened when analyzed for 8021.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC/MS 8260				1	8260B	27-Sep	SE
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	1.5				
Chloroform	ND	ug/l	1.5				
Carbon tetrachloride	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	3.5				
Dibromochloromethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.5				
2-Chloroethylvinyl ether	ND	ug/l	10.				
Tetrachloroethene	1.8	ug/l	1.5				
Chlorobenzene	ND	ug/l	3.5				
Trichlorofluoromethane	ND	ug/l	5.0				
1,2-Dichloroethane	ND	ug/l	1.5				
1,1,1-Trichloroethane	ND	ug/l	1.0				
Bromodichloromethane	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
1,1-Dichloropropene	ND	ug/l	25.				
Bromoform	ND	ug/l	1.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Benzene	ND	ug/l	1.0				
Toluene	ND	ug/l	1.5				
Ethylbenzene	ND	ug/l	1.0				
Chloromethane	ND	ug/l	10.				
Bromomethane	ND	ug/l	2.0				
Vinyl chloride	ND	ug/l	2.0				
Chloroethane	ND	ug/l	2.0				
1,1-Dichloroethene	ND	ug/l	1.5				
trans-1,2-Dichloroethene	ND	ug/l	1.5				
Trichloroethene	95.	ug/l	1.0				
1,2-Dichlorobenzene	ND	ug/l	10.				
1,3-Dichlorobenzene	ND	ug/l	10.				
1,4-Dichlorobenzene	ND	ug/l	10.				
Methyl tert butyl ether	ND	ug/l	10.				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9907710-01
MW-45D

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC/MS 8260 continued				1	8260B	27-Sep	SE
cis-1,2-Dichloroethene	4.4	ug/l	1.0				
Dibromomethane	ND	ug/l	10.				
1,4-Dichlorobutane	ND	ug/l	10.				
Iodomethane	ND	ug/l	10.				
1,2,3-Trichloropropane	ND	ug/l	10.				
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	10.				
Acetone	ND	ug/l	10.				
Carbon disulfide	ND	ug/l	10.				
2-Butanone	ND	ug/l	10.				
Vinyl acetate	ND	ug/l	10.				
4-Methyl-2-pentanone	ND	ug/l	10.				
2-Hexanone	ND	ug/l	10.				
Ethyl methacrylate	ND	ug/l	10.				
Acrolein	ND	ug/l	25.				
Acrylonitrile	ND	ug/l	10.				
Bromochloromethane	ND	ug/l	5.0				
Tetrahydrofuran	ND	ug/l	50.				
2,2-Dichloropropane	ND	ug/l	5.0				
1,2-Dibromoethane	ND	ug/l	5.0				
1,3-Dichloropropane	ND	ug/l	5.0				
1,1,1,2-Tetrachloroethane	ND	ug/l	5.0				
Bromobenzene	ND	ug/l	5.0				
n-Butylbenzene	ND	ug/l	5.0				
sec-Butylbenzene	ND	ug/l	5.0				
tert-Butylbenzene	ND	ug/l	5.0				
o-Chlorotoluene	ND	ug/l	5.0				
p-Chlorotoluene	ND	ug/l	5.0				
1,2-Dibromo-3-chloropropane	ND	ug/l	5.0				
Hexachlorobutadiene	ND	ug/l	5.0				
Isopropylbenzene	ND	ug/l	5.0				
p-Isopropyltoluene	ND	ug/l	5.0				
Naphthalene	ND	ug/l	5.0				
n-Propylbenzene	ND	ug/l	5.0				
1,2,3-Trichlorobenzene	ND	ug/l	5.0				
1,2,4-Trichlorobenzene	ND	ug/l	5.0				
1,3,5-Trimethylbenzene	ND	ug/l	5.0				
1,2,4-Trimethylbenzene	ND	ug/l	5.0				
trans-1,4-Dichloro-2-butene	ND	ug/l	5.0				
Ethyl ether	ND	ug/l	25.				
Surrogate Recovery							
1,2-Dichloroethane-d4	75.0	%					
Toluene-d8	82.0	%					
4-Bromofluorobenzene	80.0	%					
Dibromofluoromethane	79.0	%					

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L9907710

Parameter	MS %	MSD %	RPD
<hr/>			
Volatile Organics by GC/MS 8260 for sample(s) 01			
Chlorobenzene	101	104	3
Benzene	105	102	3
Toluene	101	107	6
1,1-Dichloroethene	152	145	5
Trichloroethene	110	104	6

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L9907710

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES	ID
							PREP ANALYSIS
Blank Analysis for sample(s) 01							
Volatile Organics by GC/MS 8260				1	8260B	27-Sep	SE
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	1.5				
Chloroform	ND	ug/l	1.5				
Carbon tetrachloride	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	3.5				
Dibromochloromethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.5				
2-Chloroethylvinyl ether	ND	ug/l	10.				
Tetrachloroethene	ND	ug/l	1.5				
Chlorobenzene	ND	ug/l	3.5				
Trichlorofluoromethane	ND	ug/l	5.0				
1,2-Dichloroethane	ND	ug/l	1.5				
1,1,1-Trichloroethane	ND	ug/l	1.0				
Bromodichloromethane	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
1,1-Dichloropropene	ND	ug/l	25.				
Bromoform	ND	ug/l	1.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Benzene	ND	ug/l	1.0				
Toluene	ND	ug/l	1.5				
Ethylbenzene	ND	ug/l	1.0				
Chloromethane	ND	ug/l	10.				
Bromomethane	ND	ug/l	2.0				
Vinyl chloride	ND	ug/l	2.0				
Chloroethane	ND	ug/l	2.0				
1,1-Dichloroethene	ND	ug/l	1.5				
trans-1,2-Dichloroethene	ND	ug/l	1.5				
Trichloroethene	ND	ug/l	1.0				
1,2-Dichlorobenzene	ND	ug/l	10.				
1,3-Dichlorobenzene	ND	ug/l	10.				
1,4-Dichlorobenzene	ND	ug/l	10.				
Methyl tert butyl ether	ND	ug/l	10.				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	1.0				
Dibromomethane	ND	ug/l	10.				
1,4-Dichlorobutane	ND	ug/l	10.				
Iodomethane	ND	ug/l	10.				
1,2,3-Trichloropropane	ND	ug/l	10.				
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	10.				
Acetone	ND	ug/l	10.				
Carbon disulfide	ND	ug/l	10.				
2-Butanone	ND	ug/l	10.				
Vinyl acetate	ND	ug/l	10.				
4-Methyl-2-pentanone	ND	ug/l	10.				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L9907710

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP ANALYSIS
Blank Analysis for sample(s) 01						
Volatile Organics by GC/MS 8260 continued				1	8260B	27-Sep
2-Hexanone	ND	ug/l	10.			
Ethyl methacrylate	ND	ug/l	10.			
Acrolein	ND	ug/l	25.			
Acrylonitrile	ND	ug/l	10.			
Bromochloromethane	ND	ug/l	5.0			
Tetrahydrofuran	ND	ug/l	50.			
2,2-Dichloropropane	ND	ug/l	5.0			
1,2-Dibromoethane	ND	ug/l	5.0			
1,3-Dichloropropane	ND	ug/l	5.0			
1,1,1,2-Tetrachloroethane	ND	ug/l	5.0			
Bromobenzene	ND	ug/l	5.0			
n-Butylbenzene	ND	ug/l	5.0			
sec-Butylbenzene	ND	ug/l	5.0			
tert-Butylbenzene	ND	ug/l	5.0			
o-Chlorotoluene	ND	ug/l	5.0			
p-Chlorotoluene	ND	ug/l	5.0			
1,2-Dibromo-3-chloropropane	ND	ug/l	5.0			
Hexachlorobutadiene	ND	ug/l	5.0			
Isopropylbenzene	ND	ug/l	5.0			
p-Isopropyltoluene	ND	ug/l	5.0			
Naphthalene	ND	ug/l	5.0			
n-Propylbenzene	ND	ug/l	5.0			
1,2,3-Trichlorobenzene	ND	ug/l	5.0			
1,2,4-Trichlorobenzene	ND	ug/l	5.0			
1,3,5-Trimethylbenzene	ND	ug/l	5.0			
1,2,4-Trimethylbenzene	ND	ug/l	5.0			
trans-1,4-Dichloro-2-butene	ND	ug/l	5.0			
Ethyl ether	ND	ug/l	25.			
Surrogate Recovery						
1,2-Dichloroethane-d4	109.	%				
Toluene-d8	107.	%				
4-Bromofluorobenzene	112.	%				
Dibromofluoromethane	106.	%				

ALPHA ANALYTICAL LABORATORIES
ADDENDUM I

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Update III, 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.

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, Inc.

Eight Walkup Drive Westborough, MA 01581
 PH: 508.898.9220 FAX: 508.898.9193 www.alphalab.com

CHAIN OF CUSTODY

No 000519

Sheet 1 of 1

ALPHA Job #: 9907370

Date Rec'd in Lab: 9/14 Date Due: 9/21

Client Name: ERM
 Client Address: 399 Boylston St.
 Boston, MA. 02116
 Phone #: (617) 267-8377 FAX #: (617) 267-6447

Project Name: RAYHEON
 Project Location: WILMANTON, MA.
 Project #: 143.48
 Project Manager: JOHN McTIGUE

Report To: JOE Fiaco
 Bill To:
 PO#:

Standard TAT (5 day)
 RUSH TAT (2 DAYS)
 FAX Results
 State Forms
 Smart Report

Comments (Please note specific method, detection limit or reporting requirements.)

ANALYSIS REQUEST

Sample ID	Matrix/Source *	Sampling Date	Sampling Time	Sampler's Initials	Solubles: Field Filtered? (Y/N)	VOCs by 8021.B
MW-43S	MW	9-14-99	1110	RCB	NA	X
MW-33S			1130			
-33M			1245			
-33D			1150			
MW-45S			0955			
-45M			1005			
-45D			1045			
MW-47S			1055			
-47M			1115			
-47D			1200			
TRIP BLANK	LW	9-10-99	1600	OK		

Transfers Accepted By:	Date	Time
<i>[Signature]</i>	9/14/99	5:30
<i>[Signature]</i>	9/14/99	11:00
<i>[Signature]</i>		
<i>[Signature]</i>		

All samples submitted are subject to Alpha's standard Terms and Conditions.

See Reverse side for Matrix, Container, and Preservative Codes.

* of Containers:	2
Container Type: *	V

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
 Westborough, Massachusetts 01581-1019
 (508) 898-9220

MA: M-MA-086 NH: 200395-B/C CT: PH-0574 ME: MA086 RI: 65

CERTIFICATE OF ANALYSIS

Client: ERM-New England	Laboratory Job Number: L0002585
Address: 399 Boylston Street 6th Floor Boston, MA 02116	Invoice Number: 35633
Attn: Matt Daly	Date Received: 05-APR-00
Project Number: 143.50	Date Reported: 11-APR-00
Site: RAYTHEON - WAYLAND	Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0002585-01	MW-40	WAYLAND, MA
L0002585-02	MW-40S	WAYLAND, MA
L0002585-03	MW-38	WAYLAND, MA
L0002585-04	MW-37	WAYLAND, MA
L0002585-05	MW-33D	WAYLAND, MA
L0002585-06	MW-33S	WAYLAND, MA
L0002585-07	MW-47S	WAYLAND, MA
L0002585-08	MW-45S	WAYLAND, MA
L0002585-09	MW-45M	WAYLAND, MA
L0002585-10	MW-45B	WAYLAND, MA
L0002585-11	MW-33M	WAYLAND, MA
L0002585-12	MW-33B	WAYLAND, MA
L0002585-13	MW-45D	WAYLAND, MA
L0002585-14	MW-47M	WAYLAND, MA
L0002585-15	MW-47D	WAYLAND, MA
L0002585-16	MW-37M	WAYLAND, MA

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately 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 - Laboratory Director

ALPHA ANALYTICAL LABORATORIES

Laboratory Job Number: L0002585
Date Reported: 11-APR-00

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0002585-17	ERM-DUP	WAYLAND, MA
L0002585-18	TRIP BLANK	WAYLAND, MA

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA: M-MA-086 NH: 200395-B/C CT: PH-0574 ME: MA086 RI: 65

Laboratory Sample Number: L0002585-01	Date Collected: 05-APR-2000
Sample Matrix: MW-40	Date Received : 05-APR-2000
Sample Matrix: WATER	Date Reported : 11-APR-00
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC 8021				1	8021B	06-Apr	JC
Bromodichloromethane	ND	ug/l	1.0				
Bromoform	ND	ug/l	1.0				
Carbon tetrachloride	ND	ug/l	1.0				
Chlorobenzene	ND	ug/l	1.0				
Dibromochloromethane	ND	ug/l	10.				
Bromomethane/Chloroethane	ND	ug/l	10.				
Chloroform	ND	ug/l	1.0				
Chloromethane/Vinyl chloride	ND	ug/l	10.				
1,2-Dichlorobenzene	ND	ug/l	1.0				
1,3-Dichlorobenzene	ND	ug/l	1.0				
1,4-Dichlorobenzene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	10.				
1,1-Dichloroethane	ND	ug/l	1.0				
1,2-Dichloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
Methylene chloride	ND	ug/l	10.				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Tetrachloroethene	3.3	ug/l	1.0				
1,1,1-Trichloroethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.0				
Trichloroethene	12.	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	1.0				
2-Chloroethyl vinyl ether	ND	ug/l	10.				
Surrogate Recovery							
4-Bromochlorobenzene	97.0	%					

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA: M-MA-086 NH: 200395-B/C CT: PH-0574 ME: MA086 RI: 65

Laboratory Sample Number: L0002585-02	Date Collected: 05-APR-2000
	Date Received : 05-APR-2000
Sample Matrix: MW-40S WATER	Date Reported : 11-APR-00
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC 8021				1	8021B	06-Apr	JC
Bromodichloromethane	ND	ug/l	1.0				
Bromoform	ND	ug/l	1.0				
Carbon tetrachloride	ND	ug/l	1.0				
Chlorobenzene	ND	ug/l	1.0				
Dibromodichloromethane	ND	ug/l	10.				
Bromomethane/Chloroethane	ND	ug/l	10.				
Chloroform	ND	ug/l	1.0				
Chloromethane/Vinyl chloride	ND	ug/l	10.				
1,2-Dichlorobenzene	ND	ug/l	1.0				
1,3-Dichlorobenzene	ND	ug/l	1.0				
1,4-Dichlorobenzene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	10.				
1,1-Dichloroethane	ND	ug/l	1.0				
1,2-Dichloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
Methylene chloride	ND	ug/l	10.				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Tetrachloroethene	1.8	ug/l	1.0				
1,1,1-Trichloroethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.0				
Trichloroethene	16.	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	1.0				
2-Chloroethyl vinyl ether	ND	ug/l	10.				

Surrogate Recovery

4-Bromochlorobenzene	98.0	%
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Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA: M-MA-086 NH: 200395-B/C CT: PH-0574 ME: MA086 RI: 65

Laboratory Sample Number: L0002585-03	Date Collected: 05-APR-2000
Sample Matrix: MW-38	Date Received : 05-APR-2000
Sample Matrix: WATER	Date Reported : 11-APR-00
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC 8021				1	8021B	06-Apr	JC
Bromodichloromethane	ND	ug/l	1.0				
Bromoform	ND	ug/l	1.0				
Carbon tetrachloride	ND	ug/l	1.0				
Chlorobenzene	ND	ug/l	1.0				
Dibromodichloromethane	ND	ug/l	10.				
Bromomethane/Chloroethane	ND	ug/l	10.				
Chloroform	ND	ug/l	1.0				
Chloromethane/Vinyl chloride	ND	ug/l	10.				
1,2-Dichlorobenzene	ND	ug/l	1.0				
1,3-Dichlorobenzene	ND	ug/l	1.0				
1,4-Dichlorobenzene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	10.				
1,1-Dichloroethane	ND	ug/l	1.0				
1,2-Dichloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
Methylene chloride	ND	ug/l	10.				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Tetrachloroethene	ND	ug/l	1.0				
1,1,1-Trichloroethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.0				
Trichloroethene	ND	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	1.0				
2-Chloroethyl vinyl ether	ND	ug/l	10.				

Surrogate Recovery

4-Bromodichlorobenzene	90.0	%
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Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

MA: M-MA-086 NH: 200395-B/C CT: PH-0574 ME: MA086 RI: 65

Laboratory Sample Number: L0002585-04 Date Collected: 05-APR-2000
 MW-37 Date Received: 05-APR-2000
 Sample Matrix: WATER Date Reported: 11-APR-00
 Condition of Sample: Satisfactory Field Prep: None
 Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC 8021				1	8021B	07-Apr	JC
Bromodichloromethane	ND	ug/l	1.0				
Bromoform	ND	ug/l	1.0				
Carbon tetrachloride	ND	ug/l	1.0				
Chlorobenzene	ND	ug/l	1.0				
Dibromochloromethane	ND	ug/l	10.				
Bromomethane/Chloroethane	ND	ug/l	10.				
Chloroform	ND	ug/l	1.0				
Chloromethane/Vinyl chloride	ND	ug/l	10.				
1,2-Dichlorobenzene	ND	ug/l	1.0				
1,3-Dichlorobenzene	ND	ug/l	1.0				
1,4-Dichlorobenzene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	10.				
1,1-Dichloroethane	ND	ug/l	1.0				
1,2-Dichloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
Methylene chloride	ND	ug/l	10.				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Tetrachloroethene	1.6	ug/l	1.0				
1,1,1-Trichloroethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.0				
Trichloroethene	11.	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	1.0				
2-Chloroethyl vinyl ether	ND	ug/l	10.				
Surrogate Recovery							
4-Bromochlorobenzene	88.0	%					

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA: M-MA-086 NH: 200395-B/C CT: PH-0574 ME: MA086 RI: 65

Laboratory Sample Number:	L0002585-05	Date Collected:	05-APR-2000
	MW-33D	Date Received :	05-APR-2000
Sample Matrix:	WATER	Date Reported :	11-APR-00
Condition of Sample:	Satisfactory	Field Prep:	None
Number & Type of Containers:	2-Vial		

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC 8021				1	8021B	07-Apr	JC
Bromodichloromethane	ND	ug/l	1.0				
Bromoform	ND	ug/l	1.0				
Carbon tetrachloride	ND	ug/l	1.0				
Chlorobenzene	ND	ug/l	1.0				
Dibromochloromethane	ND	ug/l	10.				
Bromomethane/Chloroethane	ND	ug/l	10.				
Chloroform	ND	ug/l	1.0				
Chloromethane/Vinyl chloride	ND	ug/l	10.				
1,2-Dichlorobenzene	ND	ug/l	1.0				
1,3-Dichlorobenzene	ND	ug/l	1.0				
1,4-Dichlorobenzene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	10.				
1,1-Dichloroethane	ND	ug/l	1.0				
1,2-Dichloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
Methylene chloride	ND	ug/l	10.				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Tetrachloroethene	ND	ug/l	1.0				
1,1,1-Trichloroethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.0				
Trichloroethene	ND	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	1.0				
2-Chloroethyl vinyl ether	ND	ug/l	10.				

Surrogate Recovery

4-Bromochlorobenzene	80.0	%
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Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA: M-MA-086 NH: 200395-B/C CT: PH-0574 ME: MA086 RI: 65

Laboratory Sample Number: L0002585-06	Date Collected: 05-APR-2000
	Date Received : 05-APR-2000
Sample Matrix: MW-33S WATER	Date Reported : 11-APR-00
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC 8021				1	8021B	07-Apr	JC
Bromodichloromethane	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.5				
Carbon tetrachloride	ND	ug/l	2.5				
Chlorobenzene	ND	ug/l	2.5				
Dibromochloromethane	ND	ug/l	25.				
Bromomethane/Chloroethane	ND	ug/l	25.				
Chloroform	ND	ug/l	2.5				
Chloromethane/Vinyl chloride	ND	ug/l	25.				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Dichlorodifluoromethane	ND	ug/l	25.				
1,1-Dichloroethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	2.5				
1,1-Dichloroethene	ND	ug/l	2.5				
cis-1,2-Dichloroethene	ND	ug/l	2.5				
trans-1,2-Dichloroethene	ND	ug/l	2.5				
1,2-Dichloropropane	ND	ug/l	2.5				
cis-1,3-Dichloropropene	ND	ug/l	2.5				
trans-1,3-Dichloropropene	ND	ug/l	2.5				
Methylene chloride	ND	ug/l	25.				
1,1,2,2-Tetrachloroethane	ND	ug/l	2.5				
Tetrachloroethene	ND	ug/l	2.5				
1,1,1-Trichloroethane	110	ug/l	2.5				
1,1,2-Trichloroethane	ND	ug/l	2.5				
Trichloroethene	390	ug/l	2.5				
Trichlorofluoromethane	ND	ug/l	2.5				
2-Chloroethyl vinyl ether	ND	ug/l	25.				
Surrogate Recovery							
4-Bromochlorobenzene	96.0	%					

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

MA: M-MA-086 NH: 200395-B/C CT: PH-0574 ME: MA086 RI: 65

Laboratory Sample Number: L0002585-07 Date Collected: 05-APR-2000
 MW-47S Date Received: 05-APR-2000
 Sample Matrix: WATER Date Reported: 11-APR-00
 Condition of Sample: Satisfactory Field Prep: None
 Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC 8021				1	8021B	09-Apr	JC
Bromodichloromethane	ND	ug/l	1.0				
Bromoform	ND	ug/l	1.0				
Carbon tetrachloride	ND	ug/l	1.0				
Chlorobenzene	ND	ug/l	1.0				
Dibromochloromethane	ND	ug/l	10.				
Bromomethane/Chloroethane	ND	ug/l	10.				
Chloroform	ND	ug/l	1.0				
Chloromethane/Vinyl chloride	ND	ug/l	10.				
1,2-Dichlorobenzene	ND	ug/l	1.0				
1,3-Dichlorobenzene	ND	ug/l	1.0				
1,4-Dichlorobenzene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	10.				
1,1-Dichloroethane	ND	ug/l	1.0				
1,2-Dichloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
Methylene chloride	ND	ug/l	10.				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Tetrachloroethene	ND	ug/l	1.0				
1,1,1-Trichloroethane	12.	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.0				
Trichloroethene	43.	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	1.0				
2-Chloroethyl vinyl ether	ND	ug/l	10.				
Surrogate Recovery							
4-Bromochlorobenzene	86.0	%					

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA: M-MA-086 NH: 200395-B/C CT: PH-0574 ME: MA086 RI: 65

Laboratory Sample Number: L0002585-08	Date Collected: 05-APR-2000
Sample Matrix: MW-45S	Date Received : 05-APR-2000
Sample Matrix: WATER	Date Reported : 11-APR-00
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC 8021				1	8021B	09-Apr	JC
Bromodichloromethane	ND	ug/l	1.0				
Bromoform	ND	ug/l	1.0				
Carbon tetrachloride	ND	ug/l	1.0				
Chlorobenzene	ND	ug/l	1.0				
Dibromochloromethane	ND	ug/l	10.				
Bromomethane/Chloroethane	ND	ug/l	10.				
Chloroform	ND	ug/l	1.0				
Chloromethane/Vinyl chloride	ND	ug/l	10.				
1,2-Dichlorobenzene	ND	ug/l	1.0				
1,3-Dichlorobenzene	ND	ug/l	1.0				
1,4-Dichlorobenzene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	10.				
1,1-Dichloroethane	ND	ug/l	1.0				
1,2-Dichloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	3.8	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
Methylene chloride	ND	ug/l	10.				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Tetrachloroethene	1.0	ug/l	1.0				
1,1,1-Trichloroethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.0				
Trichloroethene	70.	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	1.0				
2-Chloroethyl vinyl ether	ND	ug/l	10.				
Surrogate Recovery							
4-Bromochlorobenzene	79.0	%					

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA: M-MA-086 NH: 200395-B/C CT: PH-0574 ME: MA086 RI: 65

Laboratory Sample Number: L0002585-09	Date Collected: 05-APR-2000
	Date Received : 05-APR-2000
Sample Matrix: MW-45M WATER	Date Reported : 11-APR-00
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC 8021				1	8021B	10-Apr	JC
Bromodichloromethane	ND	ug/l	1.0				
Bromoform	ND	ug/l	1.0				
Carbon tetrachloride	ND	ug/l	1.0				
Chlorobenzene	ND	ug/l	1.0				
Dibromochloromethane	ND	ug/l	10.				
Bromomethane/Chloroethane	ND	ug/l	10.				
Chloroform	ND	ug/l	1.0				
Chloromethane/Vinyl chloride	ND	ug/l	10.				
1,2-Dichlorobenzene	ND	ug/l	1.0				
1,3-Dichlorobenzene	ND	ug/l	1.0				
1,4-Dichlorobenzene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	10.				
1,1-Dichloroethane	ND	ug/l	1.0				
1,2-Dichloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
Methylene chloride	ND	ug/l	10.				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Tetrachloroethene	1.2	ug/l	1.0				
1,1,1-Trichloroethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.0				
Trichloroethene	8.4	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	1.0				
2-Chloroethyl vinyl ether	ND	ug/l	10.				
Surrogate Recovery							
4-Bromochlorobenzene	82.0	%					

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA: M-MA-086 NH: 200395-B/C CT: PH-0574 ME: MA086 RI: 65

Laboratory Sample Number: L0002585-10	Date Collected: 05-APR-2000
Sample Matrix: MW-45B	Date Received : 05-APR-2000
Sample Matrix: WATER	Date Reported : 11-APR-00
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC/MS 8260				1	8260B	06-Apr	BT
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	1.5				
Chloroform	ND	ug/l	1.5				
Carbon tetrachloride	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	3.5				
Dibromochloromethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.5				
2-Chloroethyl vinyl ether	ND	ug/l	10.				
Tetrachloroethene	ND	ug/l	1.5				
Chlorobenzene	ND	ug/l	3.5				
Trichlorofluoromethane	ND	ug/l	5.0				
1,2-Dichloroethane	ND	ug/l	1.5				
1,1,1-Trichloroethane	ND	ug/l	1.0				
Bromodichloromethane	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
1,1-Dichloropropene	ND	ug/l	25.				
Bromoform	ND	ug/l	1.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Benzene	ND	ug/l	1.0				
Toluene	ND	ug/l	1.5				
Ethyl benzene	ND	ug/l	1.0				
Chloromethane	ND	ug/l	10.				
Bromomethane	ND	ug/l	2.0				
Vinyl chloride	ND	ug/l	2.0				
Chloroethane	ND	ug/l	2.0				
1,1-Dichloroethene	ND	ug/l	1.5				
trans-1,2-Dichloroethene	ND	ug/l	1.5				
Trichloroethene	4.4	ug/l	1.0				
1,2-Dichlorobenzene	ND	ug/l	5.0				
1,3-Dichlorobenzene	ND	ug/l	5.0				
1,4-Dichlorobenzene	ND	ug/l	5.0				
Methyl tert butyl ether	ND	ug/l	10.				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	1.0				
Dibromomethane	ND	ug/l	10.				
1,4-Dichlorobutane	ND	ug/l	10.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0002585-10
MW-45B

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC/MS 8260 continued				1	8260B	06-Apr	BT
Iodomethane	ND	ug/l	10.				
1,2,3-Tri chloropropane	ND	ug/l	10.				
Styrene	ND	ug/l	1.0				
Di chlorodi fluoromethane	ND	ug/l	10.				
Acetone	ND	ug/l	10.				
Carbon di sul fi de	ND	ug/l	10.				
2-Butanone	ND	ug/l	10.				
Vinyl acetate	ND	ug/l	10.				
4-Methyl -2-pentanone	ND	ug/l	10.				
2-Hexanone	ND	ug/l	10.				
Ethyl methacrylate	ND	ug/l	10.				
Acrol ein	ND	ug/l	25.				
Acryl oni tri le	ND	ug/l	10.				
Bromochl oromethane	ND	ug/l	5.0				
Tetrahydrofuran	ND	ug/l	20.				
2,2-Di chl oropropane	ND	ug/l	5.0				
1,2-Di bromoethane	ND	ug/l	5.0				
1,3-Di chl oropropane	ND	ug/l	5.0				
1,1,1,2-Tetrachl oroethane	ND	ug/l	5.0				
Bromobenzene	ND	ug/l	5.0				
n-Butyl benzene	ND	ug/l	5.0				
sec-Butyl benzene	ND	ug/l	5.0				
tert-Butyl benzene	ND	ug/l	5.0				
o-Chl orotol uene	ND	ug/l	5.0				
p-Chl orotol uene	ND	ug/l	5.0				
1,2-Di bromo-3-chl oropropane	ND	ug/l	5.0				
Hexachl orobutadi ene	ND	ug/l	5.0				
I sopropyl benzene	ND	ug/l	5.0				
p-I sopropyl tol uene	ND	ug/l	5.0				
Naphthal ene	ND	ug/l	5.0				
n-Propyl benzene	ND	ug/l	5.0				
1,2,3-Tri chl orobenzene	ND	ug/l	5.0				
1,2,4-Tri chl orobenzene	ND	ug/l	5.0				
1,3,5-Tri methyl benzene	ND	ug/l	5.0				
1,2,4-Tri methyl benzene	ND	ug/l	5.0				
trans-1,4-Di chl oro-2-butene	ND	ug/l	5.0				
Ethyl ether	ND	ug/l	25.				
Surrogate Recovery							
1,2-Di chl oroethane-d4	103.	%					
Tol uene-d8	97.0	%					
4-Bromofl uorobenzene	89.0	%					
Di bromofl uoromethane	98.0	%					

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

MA: M-MA-086 NH: 200395-B/C CT: PH-0574 ME: MA086 RI: 65

Laboratory Sample Number: L0002585-11 Date Collected: 05-APR-2000
 MW-33M Date Received: 05-APR-2000
 Sample Matrix: WATER Date Reported: 11-APR-00
 Condition of Sample: Satisfactory Field Prep: None
 Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC 8021				1	8021B	08-Apr	JC
Bromodichloromethane	ND	ug/l	1.0				
Bromoform	ND	ug/l	1.0				
Carbon tetrachloride	ND	ug/l	1.0				
Chlorobenzene	ND	ug/l	1.0				
Dibromochloromethane	ND	ug/l	10.				
Bromomethane/Chloroethane	ND	ug/l	10.				
Chloroform	ND	ug/l	1.0				
Chloromethane/Vinyl chloride	ND	ug/l	10.				
1,2-Dichlorobenzene	ND	ug/l	1.0				
1,3-Dichlorobenzene	ND	ug/l	1.0				
1,4-Dichlorobenzene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	10.				
1,1-Dichloroethane	ND	ug/l	1.0				
1,2-Dichloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
Methylene chloride	ND	ug/l	10.				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Tetrachloroethene	ND	ug/l	1.0				
1,1,1-Trichloroethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.0				
Trichloroethene	1.5	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	1.0				
2-Chloroethyl vinyl ether	ND	ug/l	10.				
Surrogate Recovery							
4-Bromochlorobenzene	87.0	%					

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA: M-MA-086 NH: 200395-B/C CT: PH-0574 ME: MA086 RI: 65

Laboratory Sample Number: L0002585-12	Date Collected: 05-APR-2000
Sample Matrix: MW-33B	Date Received : 05-APR-2000
Sample Matrix: WATER	Date Reported : 11-APR-00
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC/MS 8260				1	8260B	06-Apr	BT
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	1.5				
Chloroform	ND	ug/l	1.5				
Carbon tetrachloride	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	3.5				
Dibromochloromethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.5				
2-Chloroethyl vinyl ether	ND	ug/l	10.				
Tetrachloroethene	ND	ug/l	1.5				
Chlorobenzene	ND	ug/l	3.5				
Trichlorofluoromethane	ND	ug/l	5.0				
1,2-Dichloroethane	ND	ug/l	1.5				
1,1,1-Trichloroethane	ND	ug/l	1.0				
Bromodichloromethane	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
1,1-Dichloropropene	ND	ug/l	25.				
Bromoform	ND	ug/l	1.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Benzene	ND	ug/l	1.0				
Toluene	ND	ug/l	1.5				
Ethyl benzene	ND	ug/l	1.0				
Chloromethane	ND	ug/l	10.				
Bromomethane	ND	ug/l	2.0				
Vinyl chloride	ND	ug/l	2.0				
Chloroethane	ND	ug/l	2.0				
1,1-Dichloroethene	ND	ug/l	1.5				
trans-1,2-Dichloroethene	ND	ug/l	1.5				
Trichloroethene	ND	ug/l	1.0				
1,2-Dichlorobenzene	ND	ug/l	5.0				
1,3-Dichlorobenzene	ND	ug/l	5.0				
1,4-Dichlorobenzene	ND	ug/l	5.0				
Methyl tert butyl ether	ND	ug/l	10.				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	1.0				
Dibromomethane	ND	ug/l	10.				
1,4-Dichlorobutane	ND	ug/l	10.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0002585-12
MW-33B

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC/MS 8260 continued				1	8260B	06-Apr	BT
Iodomethane	ND	ug/l	10.				
1,2,3-Tri chloropropane	ND	ug/l	10.				
Styrene	ND	ug/l	1.0				
Di chlorodi fluoromethane	ND	ug/l	10.				
Acetone	ND	ug/l	10.				
Carbon di sul fi de	ND	ug/l	10.				
2-Butanone	ND	ug/l	10.				
Vinyl acetate	ND	ug/l	10.				
4-Methyl -2-pentanone	ND	ug/l	10.				
2-Hexanone	ND	ug/l	10.				
Ethyl methacrylate	ND	ug/l	10.				
Acrol ein	ND	ug/l	25.				
Acryl oni tri le	ND	ug/l	10.				
Bromochl oromethane	ND	ug/l	5.0				
Tetrahydrofuran	ND	ug/l	20.				
2,2-Di chl oropropane	ND	ug/l	5.0				
1,2-Di bromoethane	ND	ug/l	5.0				
1,3-Di chl oropropane	ND	ug/l	5.0				
1,1,1,2-Tetrachl oroethane	ND	ug/l	5.0				
Bromobenzene	ND	ug/l	5.0				
n-Butyl benzene	ND	ug/l	5.0				
sec-Butyl benzene	ND	ug/l	5.0				
tert-Butyl benzene	ND	ug/l	5.0				
o-Chl orotol uene	ND	ug/l	5.0				
p-Chl orotol uene	ND	ug/l	5.0				
1,2-Di bromo-3-chl oropropane	ND	ug/l	5.0				
Hexachl orobutadi ene	ND	ug/l	5.0				
I sopropyl benzene	ND	ug/l	5.0				
p-I sopropyl tol uene	ND	ug/l	5.0				
Naphthal ene	ND	ug/l	5.0				
n-Propyl benzene	ND	ug/l	5.0				
1,2,3-Tri chl orobenzene	ND	ug/l	5.0				
1,2,4-Tri chl orobenzene	ND	ug/l	5.0				
1,3,5-Tri methyl benzene	ND	ug/l	5.0				
1,2,4-Tri methyl benzene	ND	ug/l	5.0				
trans-1,4-Di chl oro-2-butene	ND	ug/l	5.0				
Ethyl ether	ND	ug/l	25.				
Surrogate Recovery							
1,2-Di chl oroethane-d4	105.	%					
Tol uene-d8	99.0	%					
4-Bromofl uorobenzene	89.0	%					
Di bromofl uoromethane	101.	%					

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA: M-MA-086 NH: 200395-B/C CT: PH-0574 ME: MA086 RI: 65

Laboratory Sample Number: L0002585-13	Date Collected: 05-APR-2000
	Date Received : 05-APR-2000
Sample Matrix: MW-45D WATER	Date Reported : 11-APR-00
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC 8021				1	8021B	09-Apr	JC
Bromodichloromethane	ND	ug/l	1.0				
Bromoform	ND	ug/l	1.0				
Carbon tetrachloride	ND	ug/l	1.0				
Chlorobenzene	ND	ug/l	1.0				
Dibromochloromethane	ND	ug/l	10.				
Bromomethane/Chloroethane	ND	ug/l	10.				
Chloroform	ND	ug/l	1.0				
Chloromethane/Vinyl chloride	ND	ug/l	10.				
1,2-Dichlorobenzene	ND	ug/l	1.0				
1,3-Dichlorobenzene	ND	ug/l	1.0				
1,4-Dichlorobenzene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	10.				
1,1-Dichloroethane	1.5	ug/l	1.0				
1,2-Dichloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	3.3	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
Methylene chloride	ND	ug/l	10.				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Tetrachloroethene	ND	ug/l	1.0				
1,1,1-Trichloroethane	24.	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.0				
Trichloroethene	120	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	1.0				
2-Chloroethyl vinyl ether	ND	ug/l	10.				
Surrogate Recovery							
4-Bromochlorobenzene	82.0	%					

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA: M-MA-086 NH: 200395-B/C CT: PH-0574 ME: MA086 RI: 65

Laboratory Sample Number: L0002585-14	Date Collected: 05-APR-2000
Sample Matrix: MW-47M	Date Received: 05-APR-2000
Sample Matrix: WATER	Date Reported: 11-APR-00
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC 8021				1	8021B	09-Apr	JC
Bromochloromethane	ND	ug/l	1.0				
Bromoform	ND	ug/l	1.0				
Carbon tetrachloride	ND	ug/l	1.0				
Chlorobenzene	ND	ug/l	1.0				
Dibromochloromethane	ND	ug/l	10.				
Bromomethane/Chloroethane	ND	ug/l	10.				
Chloroform	ND	ug/l	1.0				
Chloromethane/Vinyl chloride	ND	ug/l	10.				
1,2-Dichlorobenzene	ND	ug/l	1.0				
1,3-Dichlorobenzene	ND	ug/l	1.0				
1,4-Dichlorobenzene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	10.				
1,1-Dichloroethane	ND	ug/l	1.0				
1,2-Dichloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	7.8	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
Methylene chloride	ND	ug/l	10.				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Tetrachloroethene	1.7	ug/l	1.0				
1,1,1-Trichloroethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.0				
Trichloroethene	140	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	1.0				
2-Chloroethyl vinyl ether	ND	ug/l	10.				
Surrogate Recovery							
4-Bromochlorobenzene	83.0	%					

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA: M-MA-086 NH: 200395-B/C CT: PH-0574 ME: MA086 RI: 65

Laboratory Sample Number: L0002585-15	Date Collected: 05-APR-2000
	Date Received : 05-APR-2000
Sample Matrix: MW-47D WATER	Date Reported : 11-APR-00
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC 8021				1	8021B	09-Apr	JC
Bromodichloromethane	ND	ug/l	1.0				
Bromoform	ND	ug/l	1.0				
Carbon tetrachloride	ND	ug/l	1.0				
Chlorobenzene	ND	ug/l	1.0				
Dibromodichloromethane	ND	ug/l	10.				
Bromomethane/Chloroethane	ND	ug/l	10.				
Chloroform	ND	ug/l	1.0				
Chloromethane/Vinyl chloride	ND	ug/l	10.				
1,2-Dichlorobenzene	ND	ug/l	1.0				
1,3-Dichlorobenzene	ND	ug/l	1.0				
1,4-Dichlorobenzene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	10.				
1,1-Dichloroethane	ND	ug/l	1.0				
1,2-Dichloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
Methylene chloride	ND	ug/l	10.				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Tetrachloroethene	ND	ug/l	1.0				
1,1,1-Trichloroethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.0				
Trichloroethene	2.4	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	1.0				
2-Chloroethyl vinyl ether	ND	ug/l	10.				
Surrogate Recovery							
4-Bromochlorobenzene	91.0	%					

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

MA: M-MA-086 NH: 200395-B/C CT: PH-0574 ME: MA086 RI: 65

Laboratory Sample Number: L0002585-16 Date Collected: 05-APR-2000
 MW-37M Date Received: 05-APR-2000
 Sample Matrix: WATER Date Reported: 11-APR-00
 Condition of Sample: Satisfactory Field Prep: None
 Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC 8021				1	8021B	09-Apr	JC
Bromodichloromethane	ND	ug/l	1.0				
Bromoform	ND	ug/l	1.0				
Carbon tetrachloride	ND	ug/l	1.0				
Chlorobenzene	ND	ug/l	1.0				
Dibromochloromethane	ND	ug/l	10.				
Bromomethane/Chloroethane	ND	ug/l	10.				
Chloroform	ND	ug/l	1.0				
Chloromethane/Vinyl chloride	ND	ug/l	10.				
1,2-Dichlorobenzene	ND	ug/l	1.0				
1,3-Dichlorobenzene	ND	ug/l	1.0				
1,4-Dichlorobenzene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	10.				
1,1-Dichloroethane	ND	ug/l	1.0				
1,2-Dichloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
Methylene chloride	ND	ug/l	10.				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Tetrachloroethene	ND	ug/l	1.0				
1,1,1-Trichloroethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.0				
Trichloroethene	1.3	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	1.0				
2-Chloroethyl vinyl ether	ND	ug/l	10.				
Surrogate Recovery							
4-Bromochlorobenzene	82.0	%					

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

MA: M-MA-086 NH: 200395-B/C CT: PH-0574 ME: MA086 RI: 65

Laboratory Sample Number: L0002585-17 Date Collected: 05-APR-2000
 ERM-DUP Date Received: 05-APR-2000
 Sample Matrix: WATER Date Reported: 11-APR-00
 Condition of Sample: Satisfactory Field Prep: None
 Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC 8021				1	8021B	09-Apr	JC
Bromodichloromethane	ND	ug/l	1.0				
Bromoform	ND	ug/l	1.0				
Carbon tetrachloride	ND	ug/l	1.0				
Chlorobenzene	ND	ug/l	1.0				
Dibromochloromethane	ND	ug/l	10.				
Bromomethane/Chloroethane	ND	ug/l	10.				
Chloroform	ND	ug/l	1.0				
Chloromethane/Vinyl chloride	ND	ug/l	10.				
1,2-Dichlorobenzene	ND	ug/l	1.0				
1,3-Dichlorobenzene	ND	ug/l	1.0				
1,4-Dichlorobenzene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	10.				
1,1-Dichloroethane	ND	ug/l	1.0				
1,2-Dichloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	7.9	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
Methylene chloride	ND	ug/l	10.				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Tetrachloroethene	1.6	ug/l	1.0				
1,1,1-Trichloroethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.0				
Trichloroethene	120	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	1.0				
2-Chloroethyl vinyl ether	ND	ug/l	10.				
Surrogate Recovery							
4-Bromochlorobenzene	93.0	%					

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

ALPHA ANALYTICAL LABORATORIES
 CERTIFICATE OF ANALYSIS

MA: M-MA-086 NH: 200395-B/C CT: PH-0574 ME: MA086 RI: 65

Laboratory Sample Number: L0002585-18 Date Collected: 03-APR-2000
 Sample Matrix: TRIP BLANK Date Received: 05-APR-2000
 WATER Date Reported: 11-APR-00
 Condition of Sample: Satisfactory Field Prep: None
 Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC 8021				1	8021B	08-Apr	JC
Bromodichloromethane	ND	ug/l	1.0				
Bromoform	ND	ug/l	1.0				
Carbon tetrachloride	ND	ug/l	1.0				
Chlorobenzene	ND	ug/l	1.0				
Dibromochloromethane	ND	ug/l	10.				
Bromomethane/Chloroethane	ND	ug/l	10.				
Chloroform	ND	ug/l	1.0				
Chloromethane/Vinyl chloride	ND	ug/l	10.				
1,2-Dichlorobenzene	ND	ug/l	1.0				
1,3-Dichlorobenzene	ND	ug/l	1.0				
1,4-Dichlorobenzene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	10.				
1,1-Dichloroethane	ND	ug/l	1.0				
1,2-Dichloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
Methylene chloride	ND	ug/l	10.				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Tetrachloroethene	ND	ug/l	1.0				
1,1,1-Trichloroethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.0				
Trichloroethene	ND	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	1.0				
2-Chloroethyl vinyl ether	ND	ug/l	10.				
Surrogate Recovery							
4-Bromochlorobenzene	90.0	%					

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

ALPHA ANALYTICAL LABORATORIES
 QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0002585

Parameter	MS %	MSD %	RPD
Volatile Organics by GC 8021 for sample(s) 01,05-06 (L0002275-01, WG51565)			
Chlorobenzene	104	104	0
1,1-Dichloroethene	112	102	9
Trichloroethene	102	102	0
Volatile Organics by GC 8021 for sample(s) 02-04 (L0002450-02, WG52076)			
Chlorobenzene	96	92	4
1,1-Dichloroethene	117	109	7
Trichloroethene	102	100	2
Volatile Organics by GC 8021 for sample(s) 07-09,11,13-18 (L0002585-11, WG52352)			
Chlorobenzene	97	98	2
1,1-Dichloroethene	92	98	6
Trichloroethene	95	91	4
Volatile Organics by GC/MS 8260 for sample(s) 10,12 (L0002585-12, WG52209)			
Chlorobenzene	107	96	11
Benzene	107	97	10
Toluene	113	101	11
1,1-Dichloroethene	107	93	14
Trichloroethene	110	100	10

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0002585

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Blank Analysis for sample(s) 01,05-06							
Volatile Organics by GC 8021				1	8021B	06-Apr	JC
Bromodichloromethane	ND	ug/l	1.0				
Bromoform	ND	ug/l	1.0				
Carbon tetrachloride	ND	ug/l	1.0				
Chlorobenzene	ND	ug/l	1.0				
Dibromodichloromethane	ND	ug/l	10.				
Bromomethane/Chloroethane	ND	ug/l	10.				
Chloroform	ND	ug/l	1.0				
Chloromethane/Vinyl chloride	ND	ug/l	10.				
1,2-Dichlorobenzene	ND	ug/l	1.0				
1,3-Dichlorobenzene	ND	ug/l	1.0				
1,4-Dichlorobenzene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	10.				
1,1-Dichloroethane	ND	ug/l	1.0				
1,2-Dichloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
Methylene chloride	ND	ug/l	10.				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Tetrachloroethene	ND	ug/l	1.0				
1,1,1-Trichloroethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.0				
Trichloroethene	ND	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	1.0				
2-Chloroethyl vinyl ether	ND	ug/l	10.				

Surrogate Recovery

4-Bromochlorobenzene 85.0 %

Blank Analysis for sample(s) 02-04							
Volatile Organics by GC 8021				1	8021B	06-Apr	JC
Bromodichloromethane	ND	ug/l	1.0				
Bromoform	ND	ug/l	1.0				
Carbon tetrachloride	ND	ug/l	1.0				
Chlorobenzene	ND	ug/l	1.0				
Dibromodichloromethane	ND	ug/l	10.				
Bromomethane/Chloroethane	ND	ug/l	10.				
Chloroform	ND	ug/l	1.0				
Chloromethane/Vinyl chloride	ND	ug/l	10.				
1,2-Dichlorobenzene	ND	ug/l	1.0				
1,3-Dichlorobenzene	ND	ug/l	1.0				
1,4-Dichlorobenzene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	10.				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0002585

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Blank Analysis for sample(s) 02-04							
Volatile Organics by GC 8021 continued				1	8021B	06-Apr	JC
1,1-Dichloroethane	ND	ug/l	1.0				
1,2-Dichloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
Methylene chloride	ND	ug/l	10.				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Tetrachloroethene	ND	ug/l	1.0				
1,1,1-Trichloroethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.0				
Trichloroethene	ND	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	1.0				
2-Chloroethyl vinyl ether	ND	ug/l	10.				

Surrogate Recovery

4-Bromochlorobenzene 85.0 %

Blank Analysis for sample(s) 07-08, 11, 13-18							
Volatile Organics by GC 8021				1	8021B	08-Apr	JC
Bromodichloromethane	ND	ug/l	1.0				
Bromoform	ND	ug/l	1.0				
Carbon tetrachloride	ND	ug/l	1.0				
Chlorobenzene	ND	ug/l	1.0				
Di bromochloromethane	ND	ug/l	10.				
Bromomethane/Chloroethane	ND	ug/l	10.				
Chloroform	ND	ug/l	1.0				
Chloromethane/Vinyl chloride	ND	ug/l	10.				
1,2-Dichlorobenzene	ND	ug/l	1.0				
1,3-Dichlorobenzene	ND	ug/l	1.0				
1,4-Dichlorobenzene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	10.				
1,1-Dichloroethane	ND	ug/l	1.0				
1,2-Dichloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
Methylene chloride	ND	ug/l	10.				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Tetrachloroethene	ND	ug/l	1.0				
1,1,1-Trichloroethane	ND	ug/l	1.0				

ALPHA ANALYTICAL LABORATORIES
 QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0002585

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
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Blank Analysis for sample(s) 07-08, 11, 13-18

Volatile Organics by GC 8021 continued				1	8021B	08-Apr	JC
1,1,2-Tri chloroethane	ND	ug/l	1.0				
Tri chloroethene	ND	ug/l	1.0				
Tri chlorofluoromethane	ND	ug/l	1.0				
2-Chloroethyl vinyl ether	ND	ug/l	10.				

Surrogate Recovery

4-Bromochlorobenzene 97.0 %

Blank Analysis for sample(s) 09

Volatile Organics by GC 8021				1	8021B	09-Apr	JC
Bromochloromethane	ND	ug/l	1.0				
Bromoform	ND	ug/l	1.0				
Carbon tetrachloride	ND	ug/l	1.0				
Chlorobenzene	ND	ug/l	1.0				
Di bromochloromethane	ND	ug/l	10.				
Bromomethane/Chloroethane	ND	ug/l	10.				
Chloroform	ND	ug/l	1.0				
Chloromethane/Vinyl chloride	ND	ug/l	10.				
1,2-Dichlorobenzene	ND	ug/l	1.0				
1,3-Dichlorobenzene	ND	ug/l	1.0				
1,4-Dichlorobenzene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	10.				
1,1-Dichloroethane	ND	ug/l	1.0				
1,2-Dichloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
Methylene chloride	ND	ug/l	10.				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Tetrachloroethene	ND	ug/l	1.0				
1,1,1-Tri chloroethane	ND	ug/l	1.0				
1,1,2-Tri chloroethane	ND	ug/l	1.0				
Tri chloroethene	ND	ug/l	1.0				
Tri chlorofluoromethane	ND	ug/l	1.0				
2-Chloroethyl vinyl ether	ND	ug/l	10.				

Surrogate Recovery

4-Bromochlorobenzene 82.0 %

Blank Analysis for sample(s) 10, 12

Volatile Organics by GC/MS 8260				1	8260B	06-Apr	BT
Methylene chloride	ND	ug/l	2.5				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0002585

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Blank Analysis for sample(s) 10, 12							
Volatile Organics by GC/MS 8260 continued				1	8260B	06-Apr	BT
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				
2-Chloroethyl vinyl ether	ND	ug/l	5.0				
Tetrachloroethene	ND	ug/l	0.75				
Chlorobenzene	ND	ug/l	1.8				
Trichlorofluoromethane	ND	ug/l	2.5				
1, 2-Dichloroethane	ND	ug/l	0.75				
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	12.				
Bromoform	ND	ug/l	0.50				
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	5.0				
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	0.75				
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	5.0				
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, 4-Dichlorobutane	ND	ug/l	5.0				
Iodomethane	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				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0002585

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Blank Analysis for sample(s) 10, 12							
Volatile Organics by GC/MS 8260 continued				1	8260B	06-Apr	BT
Ethyl methacrylate	ND	ug/l	5.0				
Acrolein	ND	ug/l	12.				
Acrylonitrile	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	2.5				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	2.5				
Bromobenzene	ND	ug/l	2.5				
n-Butyl benzene	ND	ug/l	2.5				
sec-Butyl benzene	ND	ug/l	2.5				
tert-Butyl benzene	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	2.5				
Isopropyl benzene	ND	ug/l	2.5				
p-Isopropyl toluene	ND	ug/l	2.5				
Naphthalene	ND	ug/l	2.5				
n-Propyl benzene	ND	ug/l	2.5				
1,2,3-Tri chlorobenzene	ND	ug/l	2.5				
1,2,4-Tri chlorobenzene	ND	ug/l	2.5				
1,3,5-Tri methyl benzene	ND	ug/l	2.5				
1,2,4-Tri methyl benzene	ND	ug/l	2.5				
trans-1,4-Di chloro-2-butene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	12.				
Surrogate Recovery							
1,2-Di chloroethane-d4	94.0	%					
Toluene-d8	91.0	%					
4-Bromofluorobenzene	86.0	%					
Di bromofluoromethane	90.0	%					

ALPHA ANALYTICAL LABORATORIES
ADDENDUM I

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Update III, 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.

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 its 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, Inc.

Eight Walkup Drive Westborough, MA 01581
 PH: 508.898.9220 FAX: 508.898.9193 www.alphalab.com

CHAIN OF CUSTODY

No 4169

Sheet 1 of 2

ALPHA Job #: LC002585

Date Rec'd in Lab: 4/5 Date: 4/10

Client Name: ERM - New England
 Client Address: 399 Boylston St. FL 6
Boston MA 02116
 Phone #: 617 267 8377 FAX #: 617 267 6447

Project Name: Raytheon - Weyland
 Project Location: Weyland MA
 Project #: 143.50
 Project Manager: JOE FIAUO

Report To: Matt Daly
 Bill To: _____
 PO#: _____

Standard TAT
 RUSH TAT _____
 (* DAYS)
 FAX Results
 State Forms
 Smart Report

Comments (Please note specific method, detection limit or reporting requirements.)

ANALYSIS REQUEST

ALPHA Lab #	Sample ID	Matrix/Source *	Sampling Date	Sampling Time	Sampler's Initials	Solubles: Field Filtered? (Y/N)	80213 Chlorine below 9260	
2585-1	MW-40	GW	4/5/00	1515	MD		X	
2	MW-405			1500				
3	MW-30			1445				
4	MW-37			1400				
5	MW-33D			12:30				
6	MW-335			12:00				
7	MW-475			1030				
8	MW-455			930				
9	MW-45M			945	LA			
10	MW-45B			915			X	
11	MW-33M			1510			X	

Transfers Accepted By:	Date	Time
<i>[Signature]</i>	4/5/00	4:55
<i>[Signature]</i>	4/5/00	1:15

Transfers Relinquished By:
<i>[Signature]</i>
<i>[Signature]</i>

All samples submitted are subject to Alpha's standard Terms and Conditions.
 * See Reverse side for Matrix, Container, and Preservative Codes.

of Containers: 20 2
 Container Type: * V V
 Preservative: * B B

ALPHA Analytical Laboratories, Inc.

Eight Walkup Drive Westborough, MA 01581
 PH: 508.898.9220 FAX: 508.898.9193 www.alphalab.com

CHAIN OF CUSTODY

No 4170

Sheet 2 of 2

ALPHA Job #: L0002585

Date Rec'd in Lab: 4/15 Date Time: 9:40

Client Name: ERM - New England
 Client Address: 399 Boylston St. FL6
Boston, MA 02116
 Phone #: 617 267 8377 FAX # 617 267 6447

Project Name: Raytheon Wayland
 Project Location: Wayland MA
 Project #: 143.50
 Project Manager: Joe Fracio

Report To: MATT Daly
 Bill To: _____
 PO#: _____

- Standard TAT
- RUSH TAT _____ (* DAYS)
- FAX Results
- State Forms
- Smart Report

Comments (Please note specific method, detection limit or reporting requirements.)

ANALYSIS REQUEST

ALPHA Lab #	Sample ID	Matrix/Source *	Sampling Date	Sampling Time	Sampler's Initials	Solubles: Field Filtered? (Y/N)	80213 chlorinated only	8260
<u>2585/12</u>	<u>MW-33B</u>	<u>GW</u>	<u>4/15/00</u>	<u>1100</u>	<u>LA</u>		<u>X</u>	
<u>13</u>	<u>MW-45D</u>			<u>1030</u>				
<u>14</u>	<u>MW-47M</u>			<u>1105</u>				
<u>15</u>	<u>MW-47D</u>			<u>1130</u>				
<u>16</u>	<u>MW-37M</u>			<u>1600</u>				
<u>17</u>	<u>ERM-DUPI</u>			<u>700</u>				
<u>18</u>	<u>Trip Blank</u>		<u>4/13</u>	<u>930</u>			<u>X</u>	

Transfers Accepted By:	Date	Time
<u>[Signature]</u>	<u>4/15/00</u>	<u>4:35</u>
<u>[Signature]</u>	<u>4/15</u>	<u>1:55</u>

Transfers Relinquished By:
<u>[Signature]</u>
<u>[Signature]</u>

All samples submitted are subject to Alpha's standard Terms and Conditions.
 * See Reverse side for Matrix, Container, and Preservative Codes.

of Containers: 2 2
 Container Type: * V V
 [rese] [re:] | P B | | | | | | | | | |