

ALPHA ANALYTICAL LABORATORIES

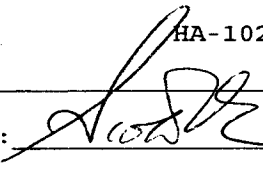
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MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

CERTIFICATE OF ANALYSIS

Client: ERM-New England Laboratory Job Number: L9809227
Address: 399 Boylston Street Invoice Number: 20930
6th Floor Date Received: 18-NOV-98
Boston, MA 02116 Date Reported: 25-NOV-98
Attn: John McTigue Delivery Method: Alpha
Project Number: 143.45
Site: RAYTHEON

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L9809227-01	MW-34	WAYLAND, MA
L9809227-02	MW-37	WAYLAND, MA
L9809227-03	MW-37M	WAYLAND, MA
L9809227-04	MW-38	WAYLAND, MA
L9809227-05	MW-39	WAYLAND, MA
L9809227-06	MW-40	WAYLAND, MA
L9809227-07	MW-40S	WAYLAND, MA
L9809227-08	ERM-DUP-1	WAYLAND, MA
L9809227-09	MW-41	WAYLAND, MA
L9809227-10	MW-42	WAYLAND, MA
L9809227-11	MW-43	WAYLAND, MA
L9809227-12	MW-45S	WAYLAND, MA
L9809227-13	MW-45M	WAYLAND, MA
L9809227-14	MW-46S	WAYLAND, MA
L9809227-15	MW-46M	WAYLAND, MA
L9809227-16	MW-47S	WAYLAND, MA
L9809227-17	MW-47M	WAYLAND, MA
L9809227-18	MW-47D	WAYLAND, MA
L9809227-19	HA-104	WAYLAND, MA
L9809227-20	HA-102	WAYLAND, MA

Authorized by: 

Scott McLean - Laboratory Director

ALPHA ANALYTICAL LABORATORIES

Laboratory Job Number: L9809227

Date Reported: 25-NOV-98

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L9809227-21	HA-103	WAYLAND, MA
L9809227-22	HA-101	WAYLAND, MA
L9809227-23	MW-10	WAYLAND, MA
L9809227-24	MW-32	WAYLAND, MA
L9809227-25	MW-3	WAYLAND, MA
L9809227-26	MW-44S	WAYLAND, MA
L9809227-27	MW-44M	WAYLAND, MA
L9809227-28	MW-44D	WAYLAND, MA
L9809227-29	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: L9809227-01 Date Collected: 18-NOV-1998
 MW-34 Date Received : 18-NOV-98
 Sample Matrix: WATER Date Reported : 25-NOV-98
 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/MS 8260				1	8260B	23-Nov	NL
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.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9809227-01
MW-34

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	II
Volatile Organics by GC/MS 8260 continued				1	8260B	23-Nov	7
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				
1,3-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	95.0	%					
Toluene-d8	96.0	%					
4-Bromofluorobenzene	95.0	%					
Dibromofluoromethane	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: L9809227-02 Date Collected: 17-NOV-1998
 MW-37 Date Received : 18-NOV-98
 Sample Matrix: WATER Date Reported : 25-NOV-98
 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/MS 8260				1	8260B	23-Nov
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	5.5	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.			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9809227-02
MW-37

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	IL
Volatile Organics by GC/MS 8260 continued				1	8260B	23-Nov	NT
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				
1,3-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	97.0	%					
Toluene-d8	96.0	%					
4-Bromofluorobenzene	89.0	%					
Dibromofluoromethane	101.	%					

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9809227-03
MW-37M

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	IL
Volatile Organics by GC/MS 8260 continued				1	8260B	23-Nov	7
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				
1,3-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	101.	%
Toluene-d8	98.0	%
4-Bromofluorobenzene	91.0	%
Dibromofluoromethane	103.	%

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: L9809227-04 Date Collected: 17-NOV-1998
 MW-38 Date Received : 18-NOV-98
 Sample Matrix: WATER Date Reported : 25-NOV-98
 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/MS 8260				1	8260B	23-Nov	NL
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	1.9	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.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9809227-04
MW-38

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC/MS 8260 continued				1	8260B	23-Nov	1
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				
1,3-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	95.0	%					
Toluene-d8	92.0	%					
4-Bromofluorobenzene	84.0	%					
Dibromofluoromethane	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: L9809227-05
 Date Collected: 17-NOV-1998
 MW-39
 Date Received : 18-NOV-98
 Sample Matrix: WATER
 Date Reported : 25-NOV-98
 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/MS 8260				1	8260B	23-Nov	NL
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.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9809227-05
MW-39

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC/MS 8260 continued				1	8260B	23-Nov 1998	
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				
1,3-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	95.0	%					
Toluene-d8	92.0	%					
4-Bromofluorobenzene	83.0	%					
Dibromofluoromethane	99.0	%					

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: L9809227-06 Date Collected: 18-NOV-1998
 MW-40 Date Received : 18-NOV-98
 Sample Matrix: WATER Date Reported : 25-NOV-98
 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/MS 8260				1	8260B	23-Nov	NL
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	3.3	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.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9809227-06
MW-40

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC/MS 8260 continued				1	8260B	23-Nov	NL
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				
1,3-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	94.0	%					
Toluene-d8	94.0	%					
4-Bromofluorobenzene	85.0	%					
Dibromofluoromethane	99.0	%					

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: L9809227-07 Date Collected: 18-NOV-1998
 MW-40S Date Received : 18-NOV-98
 Sample Matrix: WATER Date Reported : 25-NOV-98
 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/MS 8260				1	8260B	24-Nov	NL
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	2.9	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	16.	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.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9809227-07
MW-40S

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC/MS 8260 continued				1	8260B	24-Nov	NT.
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				
1,3-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	97.0	%					
Toluene-d8	96.0	%					
4-Bromofluorobenzene	88.0	%					
Dibromofluoromethane	102.	%					

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: L9809227-08 Date Collected: 18-NOV-1998
 ERM-DUP-1 Date Received : 18-NOV-98
 Sample Matrix: WATER Date Reported : 25-NOV-98
 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/MS 8260				1	8260B	24-Nov	NL
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	2.8	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	16.	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.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9809227-08
ERM-DUP-1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC/MS 8260 continued				1	8260B	24-Nov	PL
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				
1,3-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	97.0	%					
Toluene-d8	95.0	%					
4-Bromofluorobenzene	84.0	%					
Dibromofluoromethane	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: L9809227-09	Date Collected: 17-NOV-1998
Sample Matrix: WATER	Date Received : 18-NOV-98
Condition of Sample: Satisfactory	Date Reported : 25-NOV-98
Number & Type of Containers: 2-40ml VOA	Field Prep: None

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC/MS 8260				1	8260B	24-Nov	NL
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	3.2	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.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9809227-09
MW-41

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC/MS 8260 continued				1	8260B	24-Nov	7
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				
1,3-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	97.0	%					
Toluene-d8	95.0	%					
4-Bromofluorobenzene	87.0	%					
Dibromofluoromethane	98.0	%					

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9809227-10
MW-42

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC/MS 8260 continued				1	8260B	24-Nov	MP
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				
1,3-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	97.0	%					
Toluene-d8	95.0	%					
4-Bromofluorobenzene	87.0	%					
Dibromofluoromethane	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: L9809227-11 Date Collected: 17-NOV-1998
 MW-43 Date Received : 18-NOV-98
 Sample Matrix: WATER Date Reported : 25-NOV-98
 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/MS 8260				1	8260B	24-Nov	BT
Methylene chloride	ND	ug/l	25.				
1,1-Dichloroethane	ND	ug/l	7.5				
Chloroform	ND	ug/l	7.5				
Carbon tetrachloride	ND	ug/l	5.0				
1,2-Dichloropropane	ND	ug/l	18.				
Dibromochloromethane	ND	ug/l	5.0				
1,1,2-Trichloroethane	ND	ug/l	7.5				
2-Chloroethylvinyl ether	ND	ug/l	50.				
Tetrachloroethene	ND	ug/l	7.5				
Chlorobenzene	ND	ug/l	18.				
Trichlorofluoromethane	ND	ug/l	25.				
1,2-Dichloroethane	ND	ug/l	7.5				
1,1,1-Trichloroethane	ND	ug/l	5.0				
Bromodichloromethane	ND	ug/l	5.0				
trans-1,3-Dichloropropene	ND	ug/l	5.0				
cis-1,3-Dichloropropene	ND	ug/l	5.0				
1,1-Dichloropropene	ND	ug/l	120				
Bromoform	ND	ug/l	5.0				
1,1,1,2-Tetrachloroethane	ND	ug/l	5.0				
Benzene	ND	ug/l	5.0				
Toluene	ND	ug/l	7.5				
Ethylbenzene	ND	ug/l	5.0				
Chloromethane	ND	ug/l	50.				
Bromomethane	ND	ug/l	10.				
Vinyl chloride	ND	ug/l	10.				
Chloroethane	ND	ug/l	10.				
1,1-Dichloroethene	ND	ug/l	7.5				
trans-1,2-Dichloroethene	ND	ug/l	7.5				
Trichloroethene	350	ug/l	5.0				
1,2-Dichlorobenzene	ND	ug/l	50.				
1,3-Dichlorobenzene	ND	ug/l	50.				
1,4-Dichlorobenzene	ND	ug/l	50.				
Methyl tert butyl ether	ND	ug/l	50.				
p/m-Xylene	ND	ug/l	5.0				
o-Xylene	ND	ug/l	5.0				
cis-1,2-Dichloroethene	8.6	ug/l	5.0				
Dibromomethane	ND	ug/l	50.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9809227-11
MW-43

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC/MS 8260 continued				1	8260B	24-Nov	PT
1,4-Dichlorobutane	ND	ug/l	50.				
Iodomethane	ND	ug/l	50.				
1,2,3-Trichloropropane	ND	ug/l	50.				
Styrene	ND	ug/l	5.0				
Dichlorodifluoromethane	ND	ug/l	50.				
Acetone	ND	ug/l	50.				
Carbon disulfide	ND	ug/l	50.				
2-Butanone	ND	ug/l	50.				
Vinyl acetate	ND	ug/l	50.				
4-Methyl-2-pentanone	ND	ug/l	50.				
2-Hexanone	ND	ug/l	50.				
Ethyl methacrylate	ND	ug/l	50.				
Acrolein	ND	ug/l	120				
Acrylonitrile	ND	ug/l	50.				
Bromochloromethane	ND	ug/l	25.				
Tetrahydrofuran	ND	ug/l	250				
2,2-Dichloropropane	ND	ug/l	25.				
1,3-Dichloropropane	ND	ug/l	25.				
1,1,1,2-Tetrachloroethane	ND	ug/l	25.				
Bromobenzene	ND	ug/l	25.				
n-Butylbenzene	ND	ug/l	25.				
sec-Butylbenzene	ND	ug/l	25.				
tert-Butylbenzene	ND	ug/l	25.				
o-Chlorotoluene	ND	ug/l	25.				
p-Chlorotoluene	ND	ug/l	25.				
1,2-Dibromo-3-chloropropane	ND	ug/l	25.				
Hexachlorobutadiene	ND	ug/l	25.				
Isopropylbenzene	ND	ug/l	25.				
p-Isopropyltoluene	ND	ug/l	25.				
Naphthalene	ND	ug/l	25.				
n-Propylbenzene	ND	ug/l	25.				
1,2,3-Trichlorobenzene	ND	ug/l	25.				
1,2,4-Trichlorobenzene	ND	ug/l	25.				
1,3,5-Trimethylbenzene	ND	ug/l	25.				
1,2,4-Trimethylbenzene	ND	ug/l	25.				
trans-1,4-Dichloro-2-butene	ND	ug/l	25.				
Ethyl ether	ND	ug/l	120				
Surrogate Recovery							
1,2-Dichloroethane-d4	101.	%					
Toluene-d8	100.	%					
4-Bromofluorobenzene	97.0	%					
Dibromofluoromethane	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: L9809227-12 Date Collected: 17-NOV-1998
 MW-45S Date Received : 18-NOV-98
 Sample Matrix: WATER Date Reported : 25-NOV-98
 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/MS 8260				1	8260B	25-Nov	NL
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	5.4	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.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9809227-12

MW-45S

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC/MS 8260 continued				1	8260B	25-Nov	NI
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				
1,3-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	98.0	%					
Toluene-d8	99.0	%					
4-Bromofluorobenzene	92.0	%					
Dibromofluoromethane	99.0	%					

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: L9809227-13 Date Collected: 17-NOV-1998
 MW-45M Date Received : 18-NOV-98
 Sample Matrix: WATER Date Reported : 25-NOV-98
 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/MS 8260				1	8260B	24-Nov	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-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	24.	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	6.2	ug/l	1.5				
trans-1,2-Dichloroethene	ND	ug/l	1.5				
Trichloroethene	81.	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.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9809227-13
MW-45M

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC/MS 8260 continued				1	8260B	24-Nov	PT
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				
1,3-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	96.0	%					
Toluene-d8	94.0	%					
4-Bromofluorobenzene	92.0	%					
Dibromofluoromethane	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: L9809227-14

Date Collected: 17-NOV-1998

MW-46S

Date Received : 18-NOV-98

Sample Matrix:

WATER

Date Reported : 25-NOV-98

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/MS 8260				1	8260B	24-Nov	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-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	1.4	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.				

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: L9809227-15

Date Collected: 18-NOV-1998

MW-46M

Date Received : 18-NOV-98

Sample Matrix:

WATER

Date Reported : 25-NOV-98

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/MS 8260				1	8260B	24-Nov	NL
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	4.1	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.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9809227-15
MW-46M

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC/MS 8260 continued				1	8260B	24-Nov	NL
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				
1,3-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	96.0	%					
Toluene-d8	97.0	%					
4-Bromofluorobenzene	90.0	%					
Dibromofluoromethane	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: L9809227-16

Date Collected: 17-NOV-1998

MW-47S

Date Received : 18-NOV-98

Sample Matrix:

WATER

Date Reported : 25-NOV-98

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/MS 8260				1	8260B	24-Nov	NL
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	3.8	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	2.4	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.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9809227-16
MW-47S

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC/MS 8260 continued				1	8260B	24-Nov	NL
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				
1,3-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	97.0	%					
Toluene-d8	95.0	%					
4-Bromofluorobenzene	88.0	%					
Dibromofluoromethane	97.0	%					

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9809227-14

MW-46S

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC/MS 8260 continued				1	8260B	24-Nov	RT
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				
1,3-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	107.	%					
Toluene-d8	101.	%					
4-Bromofluorobenzene	101.	%					
Dibromofluoromethane	100.	%					

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: L9809227-17 Date Collected: 17-NOV-1998
 MW-47M Date Received : 18-NOV-98
 Sample Matrix: WATER Date Reported : 25-NOV-98
 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/MS 8260				1	8260B	24-Nov	NL
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	67.	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	4.6	ug/l	1.0				
Dibromomethane	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: L9809227-17
MW-47M

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC/MS 8260 continued				1	8260B	24-Nov	1
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				
1,3-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	108.	%
Toluene-d8	107.	%
4-Bromofluorobenzene	95.0	%
Dibromofluoromethane	108.	%

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: L9809227-18

Date Collected: 17-NOV-1998

MW-47D

Date Received : 18-NOV-98

Sample Matrix:

WATER

Date Reported : 25-NOV-98

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/MS 8260				1	8260B	24-Nov	NL
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.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9809227-18
MW-47D

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC/MS 8260 continued				1	8260B	24-Nov	7
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				
1,3-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	104.	%
Toluene-d8	102.	%
4-Bromofluorobenzene	93.0	%
Dibromofluoromethane	105.	%

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: L9809227-19
 HA-104
 Sample Matrix: WATER
 Condition of Sample: Satisfactory
 Number & Type of Containers: 2-40ml VOA

Date Collected: 18-NOV-1998
 Date Received : 18-NOV-98
 Date Reported : 25-NOV-98
 Field Prep: None

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC/MS 8260				1	8260B	24-Nov	NL
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	11.	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	47.	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.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9809227-19
HA-104

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	TD
Volatile Organics by GC/MS 8260 continued				1	8260B	24-Nov	7
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				
1,3-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	110.	%					
Toluene-d8	111.	%					
4-Bromofluorobenzene	102.	%					
Dibromofluoromethane	112.	%					

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: L9809227-20

Date Collected: 18-NOV-1998

HA-102

Date Received : 18-NOV-98

Sample Matrix:

WATER

Date Reported : 25-NOV-98

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/MS 8260				1	8260B	24-Nov	NL
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	3.0	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	6.3	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.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9809227-20
HA-102

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	TD
Volatile Organics by GC/MS 8260 continued				1	8260B	24-Nov	L
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				
1,3-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	108.	%
Toluene-d8	104.	%
4-Bromofluorobenzene	95.0	%
Dibromofluoromethane	108.	%

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: L9809227-21
 Date Collected: 18-NOV-1998
 HA-103
 Date Received : 18-NOV-98
 Sample Matrix: WATER
 Date Reported : 25-NOV-98
 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/MS 8260				1	8260B	24-Nov	NL
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.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9809227-21

HA-103

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC/MS 8260 continued				1	8260B	24-Nov	NT.
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				
1,3-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	99.0	%					
Toluene-d8	97.0	%					
4-Bromofluorobenzene	89.0	%					
Dibromofluoromethane	100.	%					

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9809227-22
HA-101

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC/MS 8260 continued				1	8260B	24-Nov	ML
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				
1,3-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	102.	%					
Toluene-d8	104.	%					
4-Bromofluorobenzene	92.0	%					
Dibromofluoromethane	103.	%					

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: L9809227-23 Date Collected: 18-NOV-1998
 Sample Matrix: MW-10 Date Received : 18-NOV-98
 WATER Date Reported : 25-NOV-98
 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/MS 8260				1	8260B	24-Nov	NL
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.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9809227-23
MW-10

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	II
Volatile Organics by GC/MS 8260 continued				1	8260B	24-Nov	
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				
1,3-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	101.	%					
Toluene-d8	101.	%					
4-Bromofluorobenzene	90.0	%					
Dibromofluoromethane	103.	%					

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: L9809227-24 Date Collected: 18-NOV-1998
 MW-32 Date Received : 18-NOV-98
 Sample Matrix: WATER Date Reported : 25-NOV-98
 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/MS 8260				1	8260B	25-Nov	NL
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.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9809227-24

MW-32

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC/MS 8260 continued				1	8260B	25-Nov	MP
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				
1,3-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	98.0	%					
Toluene-d8	99.0	%					
4-Bromofluorobenzene	89.0	%					
Dibromofluoromethane	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: L9809227-25 Date Collected: 18-NOV-1998
 MW-~~TP-3~~ ²³⁸ Date Received : 18-NOV-98
 Sample Matrix: WATER Date Reported : 25-NOV-98
 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/MS 8260				1	8260B	24-Nov	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-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	1.4	ug/l	1.0				
1,2-Dichlorobenzene	10.	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	2.5	ug/l	1.0				
Dibromomethane	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: L9809227-25
MW-7TP-3 RF

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC/MS 8260 continued				1	8260B	24-Nov	TF
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				
1,3-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	79.	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	88.0	%					
Toluene-d8	100.	%					
4-Bromofluorobenzene	93.0	%					
Dibromofluoromethane	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: L9809227-26

Date Collected: 18-NOV-1998

MW-44S

Date Received : 18-NOV-98

Sample Matrix:

WATER

Date Reported : 25-NOV-98

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/MS 8260				1	8260B	24-Nov	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-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.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9809227-26
MW-44S

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES	1
							PREP ANALYSIS
Volatile Organics by GC/MS 8260 continued				1	8260B	24-Nov	P
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				
1,3-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	98.0	%					
Toluene-d8	100.	%					
4-Bromofluorobenzene	97.0	%					
Dibromofluoromethane	100.	%					

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9809227-27
MW-44M

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Volatile Organics by GC/MS 8260 continued				1	8260B	24-Nov	T
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				
1,3-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	101.	%					
Toluene-d8	100.	%					
4-Bromofluorobenzene	98.0	%					
Dibromofluoromethane	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 MB:MA086 RI:65

Laboratory Sample Number: L9809227-28 Date Collected: 18-NOV-1998
 MW-44D Date Received : 18-NOV-98
 Sample Matrix: WATER Date Reported : 25-NOV-98
 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/MS 8260				1	8260B	25-Nov	NL
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.				

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L9809227-28
MW-44D

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	II
Volatile Organics by GC/MS 8260 continued				1	8260B	25-Nov	WT
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				
1,3-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	117.	%					
Toluene-d8	116.	%					
4-Bromofluorobenzene	107.	%					
Dibromofluoromethane	113.	%					

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: L9809227-29

Date Collected: 13-NOV-1998

Sample Matrix: TRIP BLANK
WATER

Date Received : 18-NOV-98

Date Reported : 25-NOV-98

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-40ml VOA

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	I
Volatile Organics by GC/MS 8260				1	8260B	22-Nov	N
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.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9809227-29
TRIP BLANK

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	II
Volatile Organics by GC/MS 8260 continued				1	8260B	22-Nov	7
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				
1,3-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	104.	%					
Toluene-d8	103.	%					
4-Bromofluorobenzene	93.0	%					
Dibromofluoromethane	103.	%					

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: L9809227

Parameter	MS %	MSD %	RPD
Volatile Organics by GC/MS 8260 for sample(s) 01-03,05-06,29			
Chlorobenzene	110	105	5
Benzene	105	105	0
Toluene	110	110	0
1,1-Dichloroethene	95	105	10
Trichloroethene	105	105	0
Volatile Organics by GC/MS 8260 for sample(s) 04,07-10,12,15-24,28			
Chlorobenzene	100	95	5
Benzene	100	95	5
Toluene	95	95	0
1,1-Dichloroethene	105	75	33
Trichloroethene	101	96	6
Volatile Organics by GC/MS 8260 for sample(s) 11,13-14,25-27			
Chlorobenzene	95	100	5
Benzene	100	100	0
Toluene	100	100	0
1,1-Dichloroethene	90	95	5
Trichloroethene	115	105	9

ALPHA ANALYTICAL LABORATORIES
 QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L9809227

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS
Blank Analysis for sample(s) 29						
Volatile Organics by GC/MS 8260				1	8260B	22-Nov NL
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	4.5			
Vinyl acetate	ND	ug/l	10.			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L9809227

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Blank Analysis for sample(s) 29							
Volatile Organics by GC/MS 8260 continued				1	8260B	22-Nov	NL
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				
1,3-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	94.0	%					
Toluene-d8	92.0	%					
4-Bromofluorobenzene	93.0	%					
Dibromofluoromethane	96.0	%					
Blank Analysis for sample(s) 04,07							
Volatile Organics by GC/MS 8260				1	8260B	23-Nov	NL
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				
1-Chloroethylvinyl ether	ND	ug/l	10.				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L9809227

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS
Blank Analysis for sample(s) 04,07						
Volatile Organics by GC/MS 8260 continued						
				1	8260B	23-Nov NI
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.			
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			
1,3-Dichloropropane	ND	ug/l	5.0			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L9809227

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
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Blank Analysis for sample(s) 04,07

Volatile Organics by GC/MS 8260 continued			1	8260B	23-Nov	NL
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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	95.0	%				
Toluene-d8	95.0	%				
4-Bromofluorobenzene	88.0	%				
Dibromofluoromethane	98.0	%				

Blank Analysis for sample(s) 08-10,15-16

Volatile Organics by GC/MS 8260			1	8260B	24-Nov	NL
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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.			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L9809227

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS
Blank Analysis for sample(s) 08-10,15-16						
Volatile Organics by GC/MS 8260 continued						
				1	8260B	24-Nov
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.			
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			
1,3-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			

ALPHA ANALYTICAL LABORATORIES
 QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L9809227

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Blank Analysis for sample(s) 08-10,15-16							
Volatile Organics by GC/MS 8260 continued							
				1	8260B	24-Nov	NL
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	96.0	%					
Toluene-d8	96.0	%					
4-Bromofluorobenzene	86.0	%					
Dibromofluoromethane	97.0	%					
Blank Analysis for sample(s) 17-24,28							
Volatile Organics by GC/MS 8260							
				1	8260B	24-Nov	NL
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				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L9809227

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS
Blank Analysis for sample(s) 17-24,28						
Volatile Organics by GC/MS 8260 continued				1	8260B	24-Nov
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.			
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			
1,3-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			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L9809227

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
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Blank Analysis for sample(s) 17-24,28

Volatile Organics by GC/MS 8260 continued							24-Nov	NL
Ethyl ether	ND	ug/l	25.	1	8260B			

Surrogate Recovery

1,2-Dichloroethane-d4	101.	%					
Toluene-d8	101.	%					
4-Bromofluorobenzene	93.0	%					
Dibromofluoromethane	103.	%					

Blank Analysis for sample(s) 12

Volatile Organics by GC/MS 8260							25-Nov	NL
Methylene chloride	ND	ug/l	5.0	1	8260B			
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					

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L9809227

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS
Blank Analysis for sample(s) 12						
Volatile Organics by GC/MS 8260 continued				1	8260B	25-Nov 71
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.			
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			
1,3-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	100.	%				
Toluene-d8	100.	%				
4-Bromofluorobenzene	93.0	%				
Dibromofluoromethane	101.	%				

ALPHA ANALYTICAL LABORATORIES
 QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L9809227

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Blank Analysis for sample(s) 13-14							
Volatile Organics by GC/MS 8260				1	8260B	23-Nov	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-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: L9809227

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS
Blank Analysis for sample(s) 13-14						
Volatile Organics by GC/MS 8260 continued						
				1	8260B	23-Nov BT
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			
1,3-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	98.0	%				
Toluene-d8	97.0	%				
4-Bromofluorobenzene	97.0	%				
Dibromofluoromethane	95.0	%				
Blank Analysis for sample(s) 11,25-27						
Volatile Organics by GC/MS 8260						
				1	8260B	24-Nov 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-Chloroethylvinyl ether	ND	ug/l	10.			
Tetrachloroethene	ND	ug/l	1.5			

ALPHA ANALYTICAL LABORATORIES
 QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L9809227

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Blank Analysis for sample(s) 11,25-27							
Volatile Organics by GC/MS 8260 continued				1	8260B	24-Nov	BT
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.				
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				
1,3-Dichloropropane	ND	ug/l	5.0				
1,1,1,2-Tetrachloroethane	ND	ug/l	5.0				

**ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS**

Laboratory Job Number: L9809227

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP ANALYSIS
Blank Analysis for sample(s) 11,25-27						
Volatile Organics by GC/MS 8260 continued				1	8260B	24-Nov BT
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	101.	%				
Toluene-d8	99.0	%				
4-Bromofluorobenzene	98.0	%				
Dibromofluoromethane	98.0	%				

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

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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. 77336

Sheet 1 of 3

Company Name:

ERM

Project Number:

143.45

Project Name/Location:

RAYTHEON, WAYLAND MA.

Date Received in Lab:

11/18

Date Due:

11/25/98

Company Address:

399 BOYLSTON ST. BOSTON MA.

Phone Number:

267-8377

Project Manager:

JOHN McTIGUE

Alpha Job Number: (Lab use only)

9809227

ALPHA Lab # (Lab Use Only)	Sample I.D.	Containers (number/type)	Matrix / Source	Method Preserve. (number of containers)						F.F. Solubles - F.F.	Sampling Date Time	MATRIX / SOURCE CODES MW = Monitoring Well RO = Runoff O = Outfall W = Well LF = Landfill L = Lake/Pond/Ocean I = Influent E = Effluent DW = Drinking Water R = River Stream S = Soil SG = Sludge B = Bottom Sediment X1 = Other _____ X2 = Other _____
				Unpres.	Ice	Nitric	Sulfuric	HCl	Other			
9227.1	MW-34	ZV	MW	Z		Z				11/18/98 0920	VOC BY METHOD 8260	
2	MW-37									11/17/98 1335		
3	MW-37M									1350		
4	MW-38									1415		
5	MW-39									1435		
6	MW-40									11/18/98 0940		
7	MW-40S									1000		
8	ERM-DUP 1									1010		
9	MW-41									11/17/98 1450		
10	MW-42									1545		

Sampler's Signature

[Signature]

Affiliation

ERM

Date

11/18/98

Time

1500

NUMBER

TRANSFERS RELINQUISHED BY

TRANSFERS ACCEPTED BY

DATE

TIME

1

[Signature]

[Signature]

11/18/98 1605

2

[Signature]

[Signature]

11/18/98 1745

3

4

ADDITIONAL COMMENTS:

PLEASE FAX RESULTS TO P.M.

STANDARD TURN AROUND

ALPHA

Analytical Laboratories, Inc.

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Westborough, MA 01581-1019
508-898-9220 FAX 508-898-9193

CHAIN OF CUSTODY RECORD and ANALYSIS REQUEST RECORD

No. 98952
Sheet 2 of 3

Company Name: **ERM** Project Number: **143.45** Project Name/Location: **RAYTHEON, WAYLAND MA** Date Received in Lab: **11/18** Date Due: **11/25/98**
P.O. Number:

Company Address: **399 BOYLSTON ST. BOSTON, MA.** Phone Number: **207-837-617** Project Manager: **John McTigue** Alpha Job Number: (Lab use only) **9809227**
FAX No.: **267-6447**

ALPHA Lab # (Lab Use Only)	Sample I.D.	Containers (number/type)	Matrix/Source	Method Preserve. (number of containers)						Solubles - F.F.	Sampling Date Time	MATRIX/SOURCE CODES					
				Unpres.	Ice	Nitric	Sulfuric	HCl	Other			MW=Monitoring Well	RO=Runoff	O=Outfall	W=Well	FL=Landfill	
												L=Lake/Pond/Ocean	I=Influent	E=Effluent	DW=Drinking Water	R=River Stream	S=Soil
9227-11	MW-43	ZV	MW	2				2		11/18/98	1515	VOC BY METHOD 8260					
12	MW-45S										0930						
13	MW-45M										0940						
14	MW-46S										1200						
15	MW-46M									11/18/98	1600						
16	MW-47S										1045						
17	MW-47M										1055						
18	MW-47D										1100						
19	HA-104									11/18/98	1120						
20	HA-102																

Sampler's Signature: **R.C. B...** Affiliation: **ERM** Date: **11/18/98** Time: **1500**

NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	R.C. B...	[Signature]	11/18/98	1605
2	[Signature]	[Signature]	11/18/98	1745
3				
4				

ADDITIONAL COMMENTS:
PLEASE FAX RESULTS TO P.M.
STANDARD TURN AROUND

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. 98951
Sheet 3 of 3

Company Name: ERM		Project Number: 143.45		Project Name/Location: RAYTHEON, WAYLAND MA.		Date Received in Lab: 11/11/98		Date Due: 11/25/98		
Company Address: 399 BOYLSTON ST. BOSTON MA			Phone Number: 267-8377 617 FAX No.: 267-6447		Project Manager: JOHN MCTIGUE			Alpha Job Number: (Lab use only) 9809227		

ALPHA Lab # (Lab Use Only)	Sample I.D.	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			
9227-21	HA-103	2V	MW	2			2				11/18/98	1235	VOC BY METHOD	8260			
22	HA-101											1310					
23	MW-10											1240					
24	MW-32											1315					
25	MW-3											1350					
26	MW-44S																
27	MW-44M																
28	MW-44D																

Sampler's Signature: <i>[Signature]</i>	Affiliation: ERM	Date: 11/18/98	Time: 1500
ADDITIONAL COMMENTS: PLEASE FAX RESULTS TO P.M. STANDARDS TURN AROUND			

NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	<i>[Signature]</i>	<i>[Signature]</i>	11/18/98	1605
2	<i>[Signature]</i>	<i>[Signature]</i>	11/18/98	1745
3				
4				