



United States Environmental Protection Agency
Office of Environmental Measurement & Evaluation
11 Technology Drive
North Chelmsford, MA 01863-2431

Laboratory Report

August 28, 2003

Mr Dave Lederer - HBO
USEPA New England , Region I
One Congress Street
Boston, MA 02114 - 2023

Superfund Records Center
SITE *Shpack*
BIRDF *13-1*
OTHER *209654*

Project Number: 03080071

Project: Shpack Landfill - Norton MA

Analysis: VOAs in Drinking Water

Analyst: Dan Boudreau

DB
8/28/03

Analytical Procedure:

All samples were received and logged in by the laboratory according to the USEPA New England Laboratory SOP for Sample Log-in.

Sample preparation and analysis was done following the EPA Region I SOP, VOAGCMS5.SOP.

Samples were analyzed by GC/MS. Samples were introduced to the GC via a Tekmar preconcentrator and an Archon autosampler. Analysis SOP based on US EPA Method 524.2, "Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography / Mass Spectrometry", Rev 4.1, 1995, USEPA, Cincinnati, Ohio.

Date Samples Received by the Laboratory: 8/27/03

Results relate only to the items tested or to the samples as received by the Laboratory. This analytical report shall not be reproduced except in full, without written approval of the laboratory.

If you have any questions please call me at 617-918-8333.

Sincerely,

Dr. William J. Andrade *9/24/03*
Dr. William J. Andrade
Advanced Analytical Chemistry Specialist

SDMS DocID 000209658



Qualifiers: RL = Reporting limit
ND = Not Detected above Reporting limit
NA = Not Applicable due to high sample dilutions or sample interferences
NC = Not calculated since analyte concentration is ND.
J = Estimated value
E = Estimated value exceeds the calibration range
L = Estimated value is below the calibration range
B = Analyte is associated with the lab blank or trip blank contamination. Values are qualified when the observed concentration of the contamination in the sample extract is less than 5 times the concentration in the blank.
R = No recovery was calculated since the analyte concentration is greater than four times the spike level.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Shpack Landfill - Norton MA

VOAs in Drinking Water

Client Sample ID: 59680		Lab Sample ID: AA33627
Date of Collection: 8/25/03		Matrix: DW
Date of Extraction: 8/27/03		Volume Purged: 5 mL
Date of Analysis: 8/27/03		Percent Solids: N/A
Dry Weight Extracted: N/A		Extract Dilution: 1
Wet Weight Extracted: N/A		pH: <2

CAS Number	Compound	Concentration ug/L	RL ug/L	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	
71-55-6	1,1,1-Trichloroethane	ND	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	ND	0.50	
79-00-5	1,1,2-Trichloroethane	ND	0.50	
75-35-4	1,1-Dichloroethylene	ND	0.50	
563-58-6	1,1-Dichloropropene	ND	0.50	
75-34-3	1,1-dichloroethane	ND	0.50	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	
96-18-4	1,2,3-Trichloropropane	ND	0.50	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	0.50	
106-93-4	1,2-Dibromoethane	ND	0.50	
95-50-1	1,2-Dichlorobenzene	ND	0.50	
107-06-2	1,2-Dichloroethane	ND	0.50	
78-87-5	1,2-Dichloropropane	ND	0.50	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	
142-28-9	1,3-Dichloropropane	ND	0.50	
541-73-1	1,3-dichlorobenzene	ND	0.50	
106-46-7	1,4-Dichlorobenzene	ND	0.50	
590-20-7	2,2-Dichloropropane	ND	0.50	
78-93-3	2-Butanone (MEK)	ND	0.50	
95-49-8	2-Chlorotoluene	ND	0.50	
591-10-6	2-Hexanone	ND	0.50	
106-43-4	4-Chlorotoluene	ND	0.50	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	0.50	
67-64-1	Acetone	ND	0.50	
107-13-1	Acrylonitrile	ND	5.0	
71-43-2	Benzene	ND	0.50	
108-86-1	Bromobenzene	ND	0.50	
74-97-5	Bromochloromethane	ND	0.50	
75-27-4	Bromodichloromethane	ND	0.50	
75-25-2	Bromoform	ND	0.50	
74-83-9	Bromomethane	ND	0.50	
75-15-0	Carbon Disulfide	ND	0.50	
56-23-5	Carbon tetrachloride	ND	0.50	
108-90-7	Chlorobenzene	ND	0.50	
75-00-3	Chloroethane	ND	0.50	
67-66-3	Chloroform	ND	0.50	

74-87-3	Chloromethane	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
74-95-3	Dibromomethane	ND	0.50
75-71-8	Dichlorodifluoromethane	ND	0.50
60-29-7	Ethyl Ether	ND	0.50
100-41-4	Ethylbenzene	ND	0.50
87-68-3	Hexachlorobutadiene	ND	0.50
98-82-8	Isopropylbenzene	ND	0.50
108-38-3 / 106-4	Meta/Para Xylene	ND	1.0
1634-04-4	Methyl-t-butyl-ether	ND	0.50
75-09-2	Methylene Chloride	ND	0.50
104-51-8	N-Butylbenzene	ND	0.50
103-65-1	N-Propylbenzene	ND	0.50
91-20-3	Naphthalene	ND	0.50
95-47-6	Ortho Xylene	ND	0.50
99-87-6	Para-Isopropyltoluene	ND	0.50
135-98-8	Sec-Butylbenzene	ND	0.50
100-42-5	Styrene	ND	0.50
98-06-6	Tert-Butylbenzene	ND	0.50
127-18-4	Tetrachloroethylene	ND	0.50
109-99-9	Tetrahydrofuran	ND	5.0
108-88-3	Toluene	ND	0.50
156-60-5	Trans-1,2-Dichloroethylene	ND	0.50
79-01-6	Trichloroethylene	ND	0.50
75-69-4	Trichlorofluoromethane	ND	0.50
108-05-4	Vinyl Acetate	ND	0.50
75-01-4	Vinyl Chloride	ND	0.50
156-59-2	cis-1,2-Dichloroethylene	ND	0.50
10061-01-5	cis-1,3-dichloropropene	ND	0.50
10061-02-6	t-1,3-Dichloropropene	ND	0.50

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichlorobenzene-d4	100	95 - 112
Toluene-D8	102	94 - 109
1,4-Bromofluorobenzene	102	73 - 113

Comments: The RL for acrylonitrile and tetrahydrofuran have been raised to 5.0 ppb to reflect points omitted from the initial calibration.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

68 Union

Shpack Landfill - Norton MA

VOAs in Drinking Water

Client Sample ID: 59681
Date of Collection: 8/26/03
Date of Extraction: 8/27/03
Date of Analysis: 8/27/03
Dry Weight Extracted: N/A
Wet Weight Extracted: N/A

Lab Sample ID: AA33628
Matrix: DW
Volume Purged: 5 mL
Percent Solids: N/A
Extract Dilution: 1
pH: <2

CAS Number	Compound	Concentration ug/L	RL ug/L	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	
71-55-6	1,1,1-Trichloroethane	ND	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	ND	0.50	
79-00-5	1,1,2-Trichloroethane	ND	0.50	
75-35-4	1,1-Dichloroethylene	ND	0.50	
563-58-6	1,1-Dichloropropene	ND	0.50	
75-34-3	1,1-dichloroethane	ND	0.50	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	
96-18-4	1,2,3-Trichloropropane	ND	0.50	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	0.50	
106-93-4	1,2-Dibromoethane	ND	0.50	
95-50-1	1,2-Dichlorobenzene	ND	0.50	
107-06-2	1,2-Dichloroethane	ND	0.50	
78-87-5	1,2-Dichloropropane	ND	0.50	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	
142-28-9	1,3-Dichloropropane	ND	0.50	
541-73-1	1,3-dichlorobenzene	ND	0.50	
106-46-7	1,4-Dichlorobenzene	ND	0.50	
590-20-7	2,2-Dichloropropane	ND	0.50	
78-93-3	2-Butanone (MEK)	ND	0.50	
95-49-8	2-Chlorotoluene	ND	0.50	
591-10-6	2-Hexanone	ND	0.50	
106-43-4	4-Chlorotoluene	ND	0.50	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	0.50	
67-64-1	Acetone	ND	0.50	
107-13-1	Acrylonitrile	ND	5.0	
71-43-2	Benzene	ND	0.50	
108-86-1	Bromobenzene	ND	0.50	
74-97-5	Bromochloromethane	ND	0.50	
75-27-4	Bromodichloromethane	ND	0.50	
75-25-2	Bromoform	ND	0.50	
74-83-9	Bromomethane	ND	0.50	
75-15-0	Carbon Disulfide	ND	0.50	
56-23-5	Carbon tetrachloride	ND	0.50	
108-90-7	Chlorobenzene	ND	0.50	
75-00-3	Chloroethane	ND	0.50	
67-66-3	Chloroform	ND	0.50	

74-87-3	Chloromethane	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
74-95-3	Dibromomethane	ND	0.50
75-71-8	Dichlorodifluoromethane	ND	0.50
60-29-7	Ethyl Ether	ND	0.50
100-41-4	Ethylbenzene	ND	0.50
87-68-3	Hexachlorobutadiene	ND	0.50
98-82-8	Isopropylbenzene	ND	0.50
108-38-3 / 106-4	Meta/Para Xylene	ND	1.0
1634-04-4	Methyl-t-butyl-ether	ND	0.50
75-09-2	Methylene Chloride	ND	0.50
104-51-8	N-Butylbenzene	ND	0.50
103-65-1	N-Propylbenzene	ND	0.50
91-20-3	Naphthalene	ND	0.50
95-47-6	Ortho Xylene	ND	0.50
99-87-6	Para-Isopropyltoluene	ND	0.50
135-98-8	Sec-Butylbenzene	ND	0.50
100-42-5	Styrene	ND	0.50
98-06-6	Tert-Butylbenzene	ND	0.50
127-18-4	Tetrachloroethylene	ND	0.50
109-99-9	Tetrahydrofuran	ND	5.0
108-88-3	Toluene	ND	0.50
156-60-5	Trans-1,2-Dichloroethylene	ND	0.50
79-01-6	Trichloroethylene	ND	0.50
75-69-4	Trichlorofluoromethane	ND	0.50
108-05-4	Vinyl Acetate	ND	0.50
75-01-4	Vinyl Chloride	ND	0.50
156-59-2	cis-1,2-Dichloroethylene	ND	0.50
10061-01-5	cis-1,3-dichloropropene	ND	0.50
10061-02-6	t-1,3-Dichloropropene	ND	0.50

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichlorobenzene-d4	102	95 - 112
Toluene-D8	100	94 - 109
1,4-Bromofluorobenzene	100	73 - 113

Comments: The RL for acrylonitrile and tetrahydrofuran have been raised to 5.0 ppb to reflect points omitted from the initial calibration.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Shpack Landfill - Norton MA

Blank for VOAs in Drinking Water

Client Sample ID:	N/A	Lab Sample ID:	N/A
Date of Collection:	N/A	Matrix	DW
Date of Extraction:	8/27/03	Volume Purged:	5 mL
Date of Analysis:	8/27/03	Percent Solids:	N/A
Dry Weight Extracted:	N/A	Extract Dilution:	1
Wet Weight Extracted:	N/A	pH:	6

CAS Number	Compound	Concentration ug/L	RL ug/L	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	
71-55-6	1,1,1-Trichloroethane	ND	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	ND	0.50	
79-00-5	1,1,2-Trichloroethane	ND	0.50	
75-35-4	1,1-Dichloroethylene	ND	0.50	
563-58-6	1,1-Dichloropropene	ND	0.50	
75-34-3	1,1-dichloroethane	ND	0.50	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	
96-18-4	1,2,3-Trichloropropane	ND	0.50	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	0.50	
106-93-4	1,2-Dibromoethane	ND	0.50	
95-50-1	1,2-Dichlorobenzene	ND	0.50	
107-06-2	1,2-Dichloroethane	ND	0.50	
78-87-5	1,2-Dichloropropane	ND	0.50	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	
142-28-9	1,3-Dichloropropane	ND	0.50	
541-73-1	1,3-dichlorobenzene	ND	0.50	
106-46-7	1,4-Dichlorobenzene	ND	0.50	
590-20-7	2,2-Dichloropropane	ND	0.50	
78-93-3	2-Butanone (MEK)	ND	0.50	
95-49-8	2-Chlorotoluene	ND	0.50	
591-10-6	2-Hexanone	ND	0.50	
106-43-4	4-Chlorotoluene	ND	0.50	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	0.50	
67-64-1	Acetone	ND	0.50	
107-13-1	Acrylonitrile	ND	5.0	
71-43-2	Benzene	ND	0.50	
108-86-1	Bromobenzene	ND	0.50	
74-97-5	Bromochloromethane	ND	0.50	
75-27-4	Bromodichloromethane	ND	0.50	
75-25-2	Bromoform	ND	0.50	
74-83-9	Bromomethane	ND	0.50	
75-15-0	Carbon Disulfide	ND	0.50	
56-23-5	Carbon tetrachloride	ND	0.50	
108-90-7	Chlorobenzene	ND	0.50	
75-00-3	Chloroethane	ND	0.50	
67-66-3	Chloroform	ND	0.50	

74-87-3	Chloromethane	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
74-95-3	Dibromomethane	ND	0.50
75-71-8	Dichlorodifluoromethane	ND	0.50
60-29-7	Ethyl Ether	ND	0.50
100-41-4	Ethylbenzene	ND	0.50
87-68-3	Hexachlorobutadiene	ND	0.50
98-82-8	Isopropylbenzene	ND	0.50
108-38-3 / 106-4	Meta/Para Xylene	ND	1.0
1634-04-4	Methyl-t-butyl-ether	ND	0.50
75-09-2	Methylene Chloride	ND	0.50
104-51-8	N-Butylbenzene	ND	0.50
103-65-1	N-Propylbenzene	ND	0.50
91-20-3	Naphthalene	ND	0.50
95-47-6	Ortho Xylene	ND	0.50
99-87-6	Para-Isopropyltoluene	ND	0.50
135-98-8	Sec-Butylbenzene	ND	0.50
100-42-5	Styrene	ND	0.50
98-06-6	Tert-Butylbenzene	ND	0.50
127-18-4	Tetrachloroethylene	ND	0.50
109-99-9	Tetrahydrofuran	ND	5.0
108-88-3	Toluene	ND	0.50
156-60-5	Trans-1,2-Dichloroethylene	ND	0.50
79-01-6	Trichloroethylene	ND	0.50
75-69-4	Trichlorofluoromethane	ND	0.50
108-05-4	Vinyl Acetate	ND	0.50
75-01-4	Vinyl Chloride	ND	0.50
156-59-2	cis-1,2-Dichloroethylene	ND	0.50
10061-01-5	cis-1,3-dichloropropene	ND	0.50
10061-02-6	t-1,3-Dichloropropene	ND	0.50

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichlorobenzene-d4	104	95 - 112
Toluene-D8	106	94 - 109
1,4-Bromofluorobenzene	104	73 - 112

Comments: Method blank for samples; AA33627 - AA33633.

The RL for acrylonitrile and tetrahydrofuran have been raised to 5.0 ppb to reflect points omitted from the initial calibration.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

106 PECKHAM ST.

Shpack Landfill - Norton MA

VOAs in Drinking Water

Client Sample ID: 59682
Date of Collection: 8/26/03
Date of Extraction: 8/27/03
Date of Analysis: 8/27/03
Dry Weight Extracted: N/A
Wet Weight Extracted: N/A

Lab Sample ID: AA33629
Matrix: DW
Volume Purged: 5 mL
Percent Solids: N/A
Extract Dilution: 1
pH: <2

CAS Number	Compound	Concentration ug/L	RL ug/L	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	
71-55-6	1,1,1-Trichloroethane	ND	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	ND	0.50	
79-00-5	1,1,2-Trichloroethane	ND	0.50	
75-35-4	1,1-Dichloroethylene	ND	0.50	
563-58-6	1,1-Dichloropropene	ND	0.50	
75-34-3	1,1-dichloroethane	ND	0.50	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	
96-18-4	1,2,3-Trichloropropane	ND	0.50	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	0.50	
106-93-4	1,2-Dibromoethane	ND	0.50	
95-50-1	1,2-Dichlorobenzene	ND	0.50	
107-06-2	1,2-Dichloroethane	ND	0.50	
78-87-5	1,2-Dichloropropane	ND	0.50	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	
142-28-9	1,3-Dichloropropane	ND	0.50	
541-73-1	1,3-dichlorobenzene	ND	0.50	
106-46-7	1,4-Dichlorobenzene	ND	0.50	
590-20-7	2,2-Dichloropropane	ND	0.50	
78-93-3	2-Butanone (MEK)	ND	0.50	
95-49-8	2-Chlorotoluene	ND	0.50	
591-10-6	2-Hexanone	ND	0.50	
106-43-4	4-Chlorotoluene	ND	0.50	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	0.50	
67-64-1	Acetone	ND	0.50	
107-13-1	Acrylonitrile	ND	5.0	
71-43-2	Benzene	ND	0.50	
108-86-1	Bromobenzene	ND	0.50	
74-97-5	Bromochloromethane	ND	0.50	
75-27-4	Bromodichloromethane	ND	0.50	
75-25-2	Bromoform	ND	0.50	
74-83-9	Bromomethane	ND	0.50	
75-15-0	Carbon Disulfide	ND	0.50	
56-23-5	Carbon tetrachloride	ND	0.50	
108-90-7	Chlorobenzene	ND	0.50	
75-00-3	Chloroethane	ND	0.50	
67-66-3	Chloroform	ND	0.50	

74-87-3	Chloromethane	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
74-95-3	Dibromomethane	ND	0.50
75-71-8	Dichlorodifluoromethane	ND	0.50
60-29-7	Ethyl Ether	ND	0.50
100-41-4	Ethylbenzene	ND	0.50
87-68-3	Hexachlorobutadiene	ND	0.50
98-82-8	Isopropylbenzene	ND	0.50
108-38-3 / 106-4	Meta/Para Xylene	ND	1.0
1634-04-4	Methyl-t-butyl-ether	ND	0.50
75-09-2	Methylene Chloride	ND	0.50
104-51-8	N-Butylbenzene	ND	0.50
103-65-1	N-Propylbenzene	ND	0.50
91-20-3	Naphthalene	ND	0.50
95-47-6	Ortho Xylene	ND	0.50
99-87-6	Para-Isopropyltoluene	ND	0.50
135-98-8	Sec-Butylbenzene	ND	0.50
100-42-5	Styrene	ND	0.50
98-06-6	Tert-Butylbenzene	ND	0.50
127-18-4	Tetrachloroethylene	ND	0.50
109-99-9	Tetrahydrofuran	ND	5.0
108-88-3	Toluene	ND	0.50
156-60-5	Trans-1,2-Dichloroethylene	ND	0.50
79-01-6	Trichloroethylene	ND	0.50
75-69-4	Trichlorofluoromethane	ND	0.50
108-05-4	Vinyl Acetate	ND	0.50
75-01-4	Vinyl Chloride	ND	0.50
156-59-2	cis-1,2-Dichloroethylene	ND	0.50
10061-01-5	cis-1,3-dichloropropene	ND	0.50
10061-02-6	t-1,3-Dichloropropene	ND	0.50

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichlorobenzene-d4	100	95 - 112
Toluene-D8	102	94 - 109
1,4-Bromofluorobenzene	100	73 - 113

Comments: The RL for acrylonitrile and tetrahydrofuran have been raised to 5.0 ppb to reflect points omitted from the initial calibration.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Shpack Landfill - Norton MA

VOAs in Drinking Water

106 PECKHAM

Client Sample ID: 59683
Date of Collection: 8/26/03
Date of Extraction: 8/27/03
Date of Analysis: 8/27/03
Dry Weight Extracted: N/A
Wet Weight Extracted: N/A

Lab Sample ID: AA33630
Matrix: DW
Volume Purged: 5 mL
Percent Solids: N/A
Extract Dilution: 1
pH: <2

CAS Number	Compound	Concentration ug/L	RL ug/L	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	
71-55-6	1,1,1-Trichloroethane	ND	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	ND	0.50	
79-00-5	1,1,2-Trichloroethane	ND	0.50	
75-35-4	1,1-Dichloroethylene	ND	0.50	
563-58-6	1,1-Dichloropropene	ND	0.50	
75-34-3	1,1-dichloroethane	ND	0.50	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	
96-18-4	1,2,3-Trichloropropane	ND	0.50	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	0.50	
106-93-4	1,2-Dibromoethane	ND	0.50	
95-50-1	1,2-Dichlorobenzene	ND	0.50	
107-06-2	1,2-Dichloroethane	ND	0.50	
78-87-5	1,2-Dichloropropane	ND	0.50	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	
142-28-9	1,3-Dichloropropane	ND	0.50	
541-73-1	1,3-dichlorobenzene	ND	0.50	
106-46-7	1,4-Dichlorobenzene	ND	0.50	
590-20-7	2,2-Dichloropropane	ND	0.50	
78-93-3	2-Butanone (MEK)	ND	0.50	
95-49-8	2-Chlorotoluene	ND	0.50	
591-10-6	2-Hexanone	ND	0.50	
106-43-4	4-Chlorotoluene	ND	0.50	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	0.50	
67-64-1	Acetone	ND	0.50	
107-13-1	Acrylonitrile	ND	5.0	
71-43-2	Benzene	ND	0.50	
108-86-1	Bromobenzene	ND	0.50	
74-97-5	Bromochloromethane	ND	0.50	
75-27-4	Bromodichloromethane	ND	0.50	
75-25-2	Bromoform	ND	0.50	
74-83-9	Bromomethane	ND	0.50	
75-15-0	Carbon Disulfide	ND	0.50	
56-23-5	Carbon tetrachloride	ND	0.50	
108-90-7	Chlorobenzene	ND	0.50	
75-00-3	Chloroethane	ND	0.50	
67-66-3	Chloroform	ND	0.50	

74-87-3	Chloromethane	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
74-95-3	Dibromomethane	ND	0.50
75-71-8	Dichlorodifluoromethane	ND	0.50
60-29-7	Ethyl Ether	ND	0.50
100-41-4	Ethylbenzene	ND	0.50
87-68-3	Hexachlorobutadiene	ND	0.50
98-82-8	Isopropylbenzene	ND	0.50
108-38-3 / 106-4	Meta/Para Xylene	ND	1.0
1634-04-4	Methyl-t-butyl-ether	ND	0.50
75-09-2	Methylene Chloride	ND	0.50
104-51-8	N-Butylbenzene	ND	0.50
103-65-1	N-Propylbenzene	ND	0.50
91-20-3	Naphthalene	ND	0.50
95-47-6	Ortho Xylene	ND	0.50
99-87-6	Para-Isopropyltoluene	ND	0.50
135-98-8	Sec-Butylbenzene	ND	0.50
100-42-5	Styrene	ND	0.50
98-06-6	Tert-Butylbenzene	ND	0.50
127-18-4	Tetrachloroethylene	ND	0.50
109-99-9	Tetrahydrofuran	ND	5.0
108-88-3	Toluene	ND	0.50
156-60-5	Trans-1,2-Dichloroethylene	ND	0.50
79-01-6	Trichloroethylene	ND	0.50
75-69-4	Trichlorofluoromethane	ND	0.50
108-05-4	Vinyl Acetate	ND	0.50
75-01-4	Vinyl Chloride	ND	0.50
156-59-2	cis-1,2-Dichloroethylene	ND	0.50
10061-01-5	cis-1,3-dichloropropene	ND	0.50
10061-02-6	t-1,3-Dichloropropene	ND	0.50

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichlorobenzene-d4	98	95 - 112
Toluene-D8	104	94 - 109
1,4-Bromofluorobenzene	102	73 - 113

Comments: The RL for acrylonitrile and tetrahydrofuran have been raised to 5.0 ppb to reflect points omitted from the initial calibration.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Shpack Landfill - Norton MA

VOAs in Drinking Water

77 PECKHAM ST

Client Sample ID: 59684
Date of Collection: 8/26/03
Date of Extraction: 8/27/03
Date of Analysis: 8/27/03
Dry Weight Extracted: N/A
Wet Weight Extracted: N/A

Lab Sample ID: AA33631
Matrix: DW
Volume Purged: 5 mL
Percent Solids: N/A
Extract Dilution: 1
pH: <2

CAS Number	Compound	Concentration ug/L	RL ug/L	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	
71-55-6	1,1,1-Trichloroethane	ND	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	ND	0.50	
79-00-5	1,1,2-Trichloroethane	ND	0.50	
75-35-4	1,1-Dichloroethylene	ND	0.50	
563-58-6	1,1-Dichloropropene	ND	0.50	
75-34-3	1,1-dichloroethane	ND	0.50	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	
96-18-4	1,2,3-Trichloropropane	ND	0.50	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	0.50	
106-93-4	1,2-Dibromoethane	ND	0.50	
95-50-1	1,2-Dichlorobenzene	ND	0.50	
107-06-2	1,2-Dichloroethane	ND	0.50	
78-87-5	1,2-Dichloropropane	ND	0.50	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	
142-28-9	1,3-Dichloropropane	ND	0.50	
541-73-1	1,3-dichlorobenzene	ND	0.50	
106-46-7	1,4-Dichlorobenzene	ND	0.50	
590-20-7	2,2-Dichloropropane	ND	0.50	
78-93-3	2-Butanone (MEK)	ND	0.50	
95-49-8	2-Chlorotoluene	ND	0.50	
591-10-6	2-Hexanone	ND	0.50	
106-43-4	4-Chlorotoluene	ND	0.50	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	0.50	
67-64-1	Acetone	ND	0.50	
107-13-1	Acrylonitrile	ND	5.0	
71-43-2	Benzene	ND	0.50	
108-86-1	Bromobenzene	ND	0.50	
74-97-5	Bromochloromethane	ND	0.50	
75-27-4	Bromodichloromethane	ND	0.50	
75-25-2	Bromoform	ND	0.50	
74-83-9	Bromomethane	ND	0.50	
75-15-0	Carbon Disulfide	ND	0.50	
56-23-5	Carbon tetrachloride	ND	0.50	
108-90-7	Chlorobenzene	ND	0.50	
75-00-3	Chloroethane	ND	0.50	
67-66-3	Chloroform	ND	0.50	

74-87-3	Chloromethane	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
74-95-3	Dibromomethane	ND	0.50
75-71-8	Dichlorodifluoromethane	ND	0.50
60-29-7	Ethyl Ether	ND	0.50
100-41-4	Ethylbenzene	ND	0.50
87-68-3	Hexachlorobutadiene	ND	0.50
98-82-8	Isopropylbenzene	ND	0.50
108-38-3 / 106-4	Meta/Para Xylene	ND	1.0
1634-04-4	Methyl-t-butyl-ether	22	0.50
75-09-2	Methylene Chloride	ND	0.50
104-51-8	N-Butylbenzene	ND	0.50
103-65-1	N-Propylbenzene	ND	0.50
91-20-3	Naphthalene	ND	0.50
95-47-6	Ortho Xylene	ND	0.50
99-87-6	Para-Isopropyltoluene	ND	0.50
135-98-8	Sec-Butylbenzene	ND	0.50
100-42-5	Styrene	ND	0.50
98-06-6	Tert-Butylbenzene	ND	0.50
127-18-4	Tetrachloroethylene	ND	0.50
109-99-9	Tetrahydrofuran	ND	5.0
108-88-3	Toluene	ND	0.50
156-60-5	Trans-1,2-Dichloroethylene	ND	0.50
79-01-6	Trichloroethylene	ND	0.50
75-69-4	Trichlorofluoromethane	ND	0.50
108-05-4	Vinyl Acetate	ND	0.50
75-01-4	Vinyl Chloride	ND	0.50
156-59-2	cis-1,2-Dichloroethylene	ND	0.50
10061-01-5	cis-1,3-dichloropropene	ND	0.50
10061-02-6	t-1,3-Dichloropropene	ND	0.50

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichlorobenzene-d4	102	95 - 112
Toluene-D8	102	94 - 109
1,4-Bromofluorobenzene	104	73 - 113

Comments: The RL for acrylonitrile and tetrahydrofuran have been raised to 5.0 ppb to reflect points omitted from the initial calibration.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Shpack Landfill - Norton MA

VOAs in Drinking Water

77 PECKHAM ST

Client Sample ID: 59685
Date of Collection: 8/26/03
Date of Extraction: 8/27/03
Date of Analysis: 8/27/03
Dry Weight Extracted: N/A
Wet Weight Extracted: N/A

Lab Sample ID: AA33632
Matrix: DW
Volume Purged: 5 mL
Percent Solids: N/A
Extract Dilution: 1
pH: <2

CAS Number	Compound	Concentration ug/L	RL ug/L	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	
71-55-6	1,1,1-Trichloroethane	ND	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	ND	0.50	
79-00-5	1,1,2-Trichloroethane	ND	0.50	
75-35-4	1,1-Dichloroethylene	ND	0.50	
563-58-6	1,1-Dichloropropene	ND	0.50	
75-34-3	1,1-dichloroethane	ND	0.50	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	
96-18-4	1,2,3-Trichloropropane	ND	0.50	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	0.50	
106-93-4	1,2-Dibromoethane	ND	0.50	
95-50-1	1,2-Dichlorobenzene	ND	0.50	
107-06-2	1,2-Dichloroethane	ND	0.50	
78-87-5	1,2-Dichloropropane	ND	0.50	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	
142-28-9	1,3-Dichloropropane	ND	0.50	
541-73-1	1,3-dichlorobenzene	ND	0.50	
106-46-7	1,4-Dichlorobenzene	ND	0.50	
590-20-7	2,2-Dichloropropane	ND	0.50	
78-93-3	2-Butanone (MEK)	ND	0.50	
95-49-8	2-Chlorotoluene	ND	0.50	
591-10-6	2-Hexanone	ND	0.50	
106-43-4	4-Chlorotoluene	ND	0.50	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	0.50	
67-64-1	Acetone	ND	0.50	
107-13-1	Acrylonitrile	ND	5.0	
71-43-2	Benzene	ND	0.50	
108-86-1	Bromobenzene	ND	0.50	
74-97-5	Bromochloromethane	ND	0.50	
75-27-4	Bromodichloromethane	ND	0.50	
75-25-2	Bromoform	ND	0.50	
74-83-9	Bromomethane	ND	0.50	
75-15-0	Carbon Disulfide	ND	0.50	
56-23-5	Carbon tetrachloride	ND	0.50	
108-90-7	Chlorobenzene	ND	0.50	
75-00-3	Chloroethane	ND	0.50	
67-66-3	Chloroform	ND	0.50	

74-87-3	Chloromethane	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
74-95-3	Dibromomethane	ND	0.50
75-71-8	Dichlorodifluoromethane	ND	0.50
60-29-7	Ethyl Ether	ND	0.50
100-41-4	Ethylbenzene	ND	0.50
87-68-3	Hexachlorobutadiene	ND	0.50
98-82-8	Isopropylbenzene	ND	0.50
108-38-3 / 106-4	Meta/Para Xylene	ND	1.0
1634-04-4	Methyl-t-butyl-ether	23	0.50
75-09-2	Methylene Chloride	ND	0.50
104-51-8	N-Butylbenzene	ND	0.50
103-65-1	N-Propylbenzene	ND	0.50
91-20-3	Naphthalene	ND	0.50
95-47-6	Ortho Xylene	ND	0.50
99-87-6	Para-Isopropyltoluene	ND	0.50
135-98-8	Sec-Butylbenzene	ND	0.50
100-42-5	Styrene	ND	0.50
98-06-6	Tert-Butylbenzene	ND	0.50
127-18-4	Tetrachloroethylene	ND	0.50
109-99-9	Tetrahydrofuran	ND	5.0
108-88-3	Toluene	ND	0.50
156-60-5	Trans-1,2-Dichloroethylene	ND	0.50
79-01-6	Trichloroethylene	ND	0.50
75-69-4	Trichlorofluoromethane	ND	0.50
108-05-4	Vinyl Acetate	ND	0.50
75-01-4	Vinyl Chloride	ND	0.50
156-59-2	cis-1,2-Dichloroethylene	ND	0.50
10061-01-5	cis-1,3-dichloropropene	ND	0.50
10061-02-6	t-1,3-Dichloropropene	ND	0.50

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichlorobenzene-d4	102	95 - 112
Toluene-D8	104	94 - 109
1,4-Bromofluorobenzene	102	73 - 113

Comments: The RL for acrylonitrile and tetrahydrofuran have been raised to 5.0 ppb to reflect points omitted from the initial calibration.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Shpack Landfill - Norton MA

VOAs in Drinking Water

70 PECKHAM

Client Sample ID: 59686
Date of Collection: 8/26/03
Date of Extraction: 8/27/03
Date of Analysis: 8/27/03
Dry Weight Extracted: N/A
Wet Weight Extracted: N/A

Lab Sample ID: AA33633
Matrix: DW
Volume Purged: 5 mL
Percent Solids: N/A
Extract Dilution: 1
pH: <2

CAS Number	Compound	Concentration ug/L	RL ug/L	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	
71-55-6	1,1,1-Trichloroethane	ND	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	ND	0.50	
79-00-5	1,1,2-Trichloroethane	ND	0.50	
75-35-4	1,1-Dichloroethylene	ND	0.50	
563-58-6	1,1-Dichloropropene	ND	0.50	
75-34-3	1,1-dichloroethane	ND	0.50	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	
96-18-4	1,2,3-Trichloropropane	ND	0.50	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	0.50	
106-93-4	1,2-Dibromoethane	ND	0.50	
95-50-1	1,2-Dichlorobenzene	ND	0.50	
107-06-2	1,2-Dichloroethane	ND	0.50	
78-87-5	1,2-Dichloropropane	ND	0.50	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	
142-28-9	1,3-Dichloropropane	ND	0.50	
541-73-1	1,3-dichlorobenzene	ND	0.50	
106-46-7	1,4-Dichlorobenzene	ND	0.50	
590-20-7	2,2-Dichloropropane	ND	0.50	
78-93-3	2-Butanone (MEK)	ND	0.50	
95-49-8	2-Chlorotoluene	ND	0.50	
591-10-6	2-Hexanone	ND	0.50	
106-43-4	4-Chlorotoluene	ND	0.50	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	0.50	
67-64-1	Acetone	ND	0.50	
107-13-1	Acrylonitrile	ND	5.0	
71-43-2	Benzene	ND	0.50	
108-86-1	Bromobenzene	ND	0.50	
74-97-5	Bromochloromethane	ND	0.50	
75-27-4	Bromodichloromethane	ND	0.50	
75-25-2	Bromoform	ND	0.50	
74-83-9	Bromomethane	ND	0.50	
75-15-0	Carbon Disulfide	ND	0.50	
56-23-5	Carbon tetrachloride	ND	0.50	
108-90-7	Chlorobenzene	ND	0.50	
75-00-3	Chloroethane	ND	0.50	
67-66-3	Chloroform	ND	0.50	

74-87-3	Chloromethane	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
74-95-3	Dibromomethane	ND	0.50
75-71-8	Dichlorodifluoromethane	ND	0.50
60-29-7	Ethyl Ether	ND	0.50
100-41-4	Ethylbenzene	ND	0.50
87-68-3	Hexachlorobutadiene	ND	0.50
98-82-8	Isopropylbenzene	ND	0.50
108-38-3 / 106-4	Meta/Para Xylene	ND	1.0
1634-04-4	Methyl-t-butyl-ether	ND	0.50
75-09-2	Methylene Chloride	ND	0.50
104-51-8	N-Butylbenzene	ND	0.50
103-65-1	N-Propylbenzene	ND	0.50
91-20-3	Naphthalene	ND	0.50
95-47-6	Ortho Xylene	ND	0.50
99-87-6	Para-Isopropyltoluene	ND	0.50
135-98-8	Sec-Butylbenzene	ND	0.50
100-42-5	Styrene	ND	0.50
98-06-6	Tert-Butylbenzene	ND	0.50
127-18-4	Tetrachloroethylene	ND	0.50
109-99-9	Tetrahydrofuran	ND	5.0
108-88-3	Toluene	ND	0.50
156-60-5	Trans-1,2-Dichloroethylene	ND	0.50
79-01-6	Trichloroethylene	ND	0.50
75-69-4	Trichlorofluoromethane	ND	0.50
108-05-4	Vinyl Acetate	ND	0.50
75-01-4	Vinyl Chloride	ND	0.50
156-59-2	cis-1,2-Dichloroethylene	ND	0.50
10061-01-5	cis-1,3-dichloropropene	ND	0.50
10061-02-6	t-1,3-Dichloropropene	ND	0.50

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichlorobenzene-d4	102	95 - 112
Toluene-D8	104	94 - 109
1,4-Bromofluorobenzene	104	73 - 113

Comments: The RL for acrylonitrile and tetrahydrofuran have been raised to 5.0 ppb to reflect points omitted from the initial calibration.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Shpack Landfill - Norton MA

VOAs in Drinking Water

14 N. WORLESTER

Client Sample ID: 59687
Date of Collection: 8/26/03
Date of Extraction: 8/28/03
Date of Analysis: 8/28/03
Dry Weight Extracted: N/A
Wet Weight Extracted: N/A

Lab Sample ID: AA33634
Matrix: DW
Volume Purged: 5 mL
Percent Solids: N/A
Extract Dilution: 1
pH: <2

CAS Number	Compound	Concentration ug/L	RL ug/L	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	
71-55-6	1,1,1-Trichloroethane	ND	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	ND	0.50	
79-00-5	1,1,2-Trichloroethane	ND	0.50	
75-35-4	1,1-Dichloroethylene	ND	0.50	
563-58-6	1,1-Dichloropropene	ND	0.50	
75-34-3	1,1-dichloroethane	ND	0.50	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	
96-18-4	1,2,3-Trichloropropane	ND	0.50	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	0.50	
106-93-4	1,2-Dibromoethane	ND	0.50	
95-50-1	1,2-Dichlorobenzene	ND	0.50	
107-06-2	1,2-Dichloroethane	ND	0.50	
78-87-5	1,2-Dichloropropane	ND	0.50	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	
142-28-9	1,3-Dichloropropane	ND	0.50	
541-73-1	1,3-dichlorobenzene	ND	0.50	
106-46-7	1,4-Dichlorobenzene	ND	0.50	
590-20-7	2,2-Dichloropropane	ND	0.50	
78-93-3	2-Butanone (MEK)	ND	0.50	
95-49-8	2-Chlorotoluene	ND	0.50	
591-10-6	2-Hexanone	ND	0.50	
106-43-4	4-Chlorotoluene	ND	0.50	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	0.50	
67-64-1	Acetone	ND	0.50	
107-13-1	Acrylonitrile	ND	5.0	
71-43-2	Benzene	ND	0.50	
108-86-1	Bromobenzene	ND	0.50	
74-97-5	Bromochloromethane	ND	0.50	
75-27-4	Bromodichloromethane	ND	0.50	
75-25-2	Bromoform	ND	0.50	
74-83-9	Bromomethane	ND	0.50	
75-15-0	Carbon Disulfide	ND	0.50	
56-23-5	Carbon tetrachloride	ND	0.50	
108-90-7	Chlorobenzene	ND	0.50	
75-00-3	Chloroethane	ND	0.50	
67-66-3	Chloroform	ND	0.50	

74-87-3	Chloromethane	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
74-95-3	Dibromomethane	ND	0.50
75-71-8	Dichlorodifluoromethane	ND	0.50
60-29-7	Ethyl Ether	ND	0.50
100-41-4	Ethylbenzene	ND	0.50
87-68-3	Hexachlorobutadiene	ND	0.50
98-82-8	Isopropylbenzene	ND	0.50
108-38-3 / 106-4	Meta/Para Xylene	ND	1.0
1634-04-4	Methyl-t-butyl-ether	ND	0.50
75-09-2	Methylene Chloride	ND	0.50
104-51-8	N-Butylbenzene	ND	0.50
103-65-1	N-Propylbenzene	ND	0.50
91-20-3	Naphthalene	ND	0.50
95-47-6	Ortho Xylene	ND	0.50
99-87-6	Para-Isopropyltoluene	ND	0.50
135-98-8	Sec-Butylbenzene	ND	0.50
100-42-5	Styrene	ND	0.50
98-06-6	Tert-Butylbenzene	ND	0.50
127-18-4	Tetrachloroethylene	ND	0.50
109-99-9	Tetrahydrofuran	ND	5.0
108-88-3	Toluene	ND	0.50
156-60-5	Trans-1,2-Dichloroethylene	ND	0.50
79-01-6	Trichloroethylene	ND	0.50
75-69-4	Trichlorofluoromethane	ND	0.50
108-05-4	Vinyl Acetate	ND	0.50
75-01-4	Vinyl Chloride	ND	0.50
156-59-2	cis-1,2-Dichloroethylene	ND	0.50
10061-01-5	cis-1,3-dichloropropene	ND	0.50
10061-02-6	t-1,3-Dichloropropene	ND	0.50

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichlorobenzene-d4	102	95 - 112
Toluene-D8	106	94 - 109
1,4-Bromofluorobenzene	104	73 - 113

Comments: The RL for acrylonitrile and tetrahydrofuran have been raised to 5.0 ppb to reflect points omitted from the initial calibration.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Shpack Landfill - Norton MA

VOAs in Drinking Water

35 MAPLE ST.

Client Sample ID: 59688
Date of Collection: 8/26/03
Date of Extraction: 8/28/03
Date of Analysis: 8/28/03
Dry Weight Extracted: N/A
Wet Weight Extracted: N/A

Lab Sample ID: AA33635
Matrix: DW
Volume Purged: 5 mL
Percent Solids: N/A
Extract Dilution: 1
pH: <2

CAS Number	Compound	Concentration ug/L	RL ug/L	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	
71-55-6	1,1,1-Trichloroethane	ND	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	ND	0.50	
79-00-5	1,1,2-Trichloroethane	ND	0.50	
75-35-4	1,1-Dichloroethylene	ND	0.50	
563-58-6	1,1-Dichloropropene	ND	0.50	
75-34-3	1,1-dichloroethane	ND	0.50	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	
96-18-4	1,2,3-Trichloropropane	ND	0.50	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	0.50	
106-93-4	1,2-Dibromoethane	ND	0.50	
95-50-1	1,2-Dichlorobenzene	ND	0.50	
107-06-2	1,2-Dichloroethane	ND	0.50	
78-87-5	1,2-Dichloropropane	ND	0.50	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	
142-28-9	1,3-Dichloropropane	ND	0.50	
541-73-1	1,3-dichlorobenzene	ND	0.50	
106-46-7	1,4-Dichlorobenzene	ND	0.50	
590-20-7	2,2-Dichloropropane	ND	0.50	
78-93-3	2-Butanone (MEK)	ND	0.50	
95-49-8	2-Chlorotoluene	ND	0.50	
591-10-6	2-Hexanone	ND	0.50	
106-43-4	4-Chlorotoluene	ND	0.50	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	0.50	
67-64-1	Acetone	ND	0.50	
107-13-1	Acrylonitrile	ND	5.0	
71-43-2	Benzene	ND	0.50	
108-86-1	Bromobenzene	ND	0.50	
74-97-5	Bromochloromethane	ND	0.50	
75-27-4	Bromodichloromethane	ND	0.50	
75-25-2	Bromoform	ND	0.50	
74-83-9	Bromomethane	ND	0.50	
75-15-0	Carbon Disulfide	ND	0.50	
56-23-5	Carbon tetrachloride	ND	0.50	
108-90-7	Chlorobenzene	ND	0.50	
75-00-3	Chloroethane	ND	0.50	
67-66-3	Chloroform	ND	0.50	

74-87-3	Chloromethane	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
74-95-3	Dibromomethane	ND	0.50
75-71-8	Dichlorodifluoromethane	ND	0.50
60-29-7	Ethyl Ether	ND	0.50
100-41-4	Ethylbenzene	ND	0.50
87-68-3	Hexachlorobutadiene	ND	0.50
98-82-8	Isopropylbenzene	ND	0.50
108-38-3 / 106-4	Meta/Para Xylene	ND	1.0
1634-04-4	Methyl-t-butyl-ether	ND	0.50
75-09-2	Methylene Chloride	ND	0.50
104-51-8	N-Butylbenzene	ND	0.50
103-65-1	N-Propylbenzene	ND	0.50
91-20-3	Naphthalene	ND	0.50
95-47-6	Ortho Xylene	ND	0.50
99-87-6	Para-Isopropyltoluene	ND	0.50
135-98-8	Sec-Butylbenzene	ND	0.50
100-42-5	Styrene	ND	0.50
98-06-6	Tert-Butylbenzene	ND	0.50
127-18-4	Tetrachloroethylene	ND	0.50
109-99-9	Tetrahydrofuran	ND	5.0
108-88-3	Toluene	ND	0.50
156-60-5	Trans-1,2-Dichloroethylene	ND	0.50
79-01-6	Trichloroethylene	ND	0.50
75-69-4	Trichlorofluoromethane	ND	0.50
108-05-4	Vinyl Acetate	ND	0.50
75-01-4	Vinyl Chloride	ND	0.50
156-59-2	cis-1,2-Dichloroethylene	ND	0.50
10061-01-5	cis-1,3-dichloropropene	ND	0.50
10061-02-6	t-1,3-Dichloropropene	ND	0.50

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichlorobenzene-d4	104	95 - 112
Toluene-D8	104	94 - 109
1,4-Bromofluorobenzene	102	73 - 113

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Shpack Landfill - Norton MA

VOAs in Drinking Water

36 MAPLE

Client Sample ID: 59689

Date of Collection: 8/26/03

Date of Extraction: 8/28/03

Date of Analysis: 8/28/03

Dry Weight Extracted: N/A

Wet Weight Extracted: N/A

Lab Sample ID: AA33636

Matrix: DW

Volume Purged: 5 mL

Percent Solids: N/A

Extract Dilution: 1

pH: <2

CAS Number	Compound	Concentration ug/L	RL ug/L	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	
71-55-6	1,1,1-Trichloroethane	ND	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	ND	0.50	
79-00-5	1,1,2-Trichloroethane	ND	0.50	
75-35-4	1,1-Dichloroethylene	ND	0.50	
563-58-6	1,1-Dichloropropene	ND	0.50	
75-34-3	1,1-dichloroethane	ND	0.50	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	
96-18-4	1,2,3-Trichloropropane	ND	0.50	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	0.50	
106-93-4	1,2-Dibromoethane	ND	0.50	
95-50-1	1,2-Dichlorobenzene	ND	0.50	
107-06-2	1,2-Dichloroethane	ND	0.50	
78-87-5	1,2-Dichloropropane	ND	0.50	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	
142-28-9	1,3-Dichloropropane	ND	0.50	
541-73-1	1,3-dichlorobenzene	ND	0.50	
106-46-7	1,4-Dichlorobenzene	ND	0.50	
590-20-7	2,2-Dichloropropane	ND	0.50	
78-93-3	2-Butanone (MEK)	ND	0.50	
95-49-8	2-Chlorotoluene	ND	0.50	
591-10-6	2-Hexanone	ND	0.50	
106-43-4	4-Chlorotoluene	ND	0.50	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	0.50	
67-64-1	Acetone	ND	0.50	
107-13-1	Acrylonitrile	ND	5.0	
71-43-2	Benzene	ND	0.50	
108-86-1	Bromobenzene	ND	0.50	
74-97-5	Bromochloromethane	ND	0.50	
75-27-4	Bromodichloromethane	ND	0.50	
75-25-2	Bromoform	ND	0.50	
74-83-9	Bromomethane	ND	0.50	
75-15-0	Carbon Disulfide	ND	0.50	
56-23-5	Carbon tetrachloride	ND	0.50	
108-90-7	Chlorobenzene	ND	0.50	
75-00-3	Chloroethane	ND	0.50	
67-66-3	Chloroform	ND	0.50	

74-87-3	Chloromethane	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
74-95-3	Dibromomethane	ND	0.50
75-71-8	Dichlorodifluoromethane	ND	0.50
60-29-7	Ethyl Ether	ND	0.50
100-41-4	Ethylbenzene	ND	0.50
87-68-3	Hexachlorobutadiene	ND	0.50
98-82-8	Isopropylbenzene	ND	0.50
108-38-3 / 106-4	Meta/Para Xylene	ND	1.0
1634-04-4	Methyl-t-butyl-ether	ND	0.50
75-09-2	Methylene Chloride	ND	0.50
104-51-8	N-Butylbenzene	ND	0.50
103-65-1	N-Propylbenzene	ND	0.50
91-20-3	Naphthalene	ND	0.50
95-47-6	Ortho Xylene	ND	0.50
99-87-6	Para-Isopropyltoluene	ND	0.50
135-98-8	Sec-Butylbenzene	ND	0.50
100-42-5	Styrene	ND	0.50
98-06-6	Tert-Butylbenzene	ND	0.50
127-18-4	Tetrachloroethylene	ND	0.50
109-99-9	Tetrahydrofuran	ND	5.0
108-88-3	Toluene	ND	0.50
156-60-5	Trans-1,2-Dichloroethylene	ND	0.50
79-01-6	Trichloroethylene	ND	0.50
75-69-4	Trichlorofluoromethane	ND	0.50
108-05-4	Vinyl Acetate	ND	0.50
75-01-4	Vinyl Chloride	ND	0.50
156-59-2	cis-1,2-Dichloroethylene	ND	0.50
10061-01-5	cis-1,3-dichloropropene	ND	0.50
10061-02-6	t-1,3-Dichloropropene	ND	0.50

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichlorobenzene-d4	100	95 - 112
Toluene-D8	106	94 - 109
1,4-Bromofluorobenzene	104	73 - 113

Comments: The RL for acrylonitrile and tetrahydrofuran have been raised to 5.0 ppb to reflect points omitted from the initial calibration.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Shpack Landfill - Norton MA

VOAs in Drinking Water

82 MAPLE

Client Sample ID: 59690
Date of Collection: 8/26/03
Date of Extraction: 8/28/03
Date of Analysis: 8/28/03
Dry Weight Extracted: N/A
Wet Weight Extracted: N/A

Lab Sample ID: AA33637
Matrix: DW
Volume Purged: 5 mL
Percent Solids: N/A
Extract Dilution: 1
pH: <2

CAS Number	Compound	Concentration ug/L	RL ug/L	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	
71-55-6	1,1,1-Trichloroethane	ND	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	ND	0.50	
79-00-5	1,1,2-Trichloroethane	ND	0.50	
75-35-4	1,1-Dichloroethylene	ND	0.50	
563-58-6	1,1-Dichloropropene	ND	0.50	
75-34-3	1,1-dichloroethane	ND	0.50	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	
96-18-4	1,2,3-Trichloropropane	ND	0.50	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	0.50	
106-93-4	1,2-Dibromoethane	ND	0.50	
95-50-1	1,2-Dichlorobenzene	ND	0.50	
107-06-2	1,2-Dichloroethane	ND	0.50	
78-87-5	1,2-Dichloropropane	ND	0.50	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	
142-28-9	1,3-Dichloropropane	ND	0.50	
541-73-1	1,3-dichlorobenzene	ND	0.50	
106-46-7	1,4-Dichlorobenzene	ND	0.50	
590-20-7	2,2-Dichloropropane	ND	0.50	
78-93-3	2-Butanone (MEK)	ND	0.50	
95-49-8	2-Chlorotoluene	ND	0.50	
591-10-6	2-Hexanone	ND	0.50	
106-43-4	4-Chlorotoluene	ND	0.50	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	0.50	
67-64-1	Acetone	ND	0.50	
107-13-1	Acrylonitrile	ND	5.0	
71-43-2	Benzene	ND	0.50	
108-86-1	Bromobenzene	ND	0.50	
74-97-5	Bromochloromethane	ND	0.50	
75-27-4	Bromodichloromethane	ND	0.50	
75-25-2	Bromoform	ND	0.50	
74-83-9	Bromomethane	ND	0.50	
75-15-0	Carbon Disulfide	ND	0.50	
56-23-5	Carbon tetrachloride	ND	0.50	
108-90-7	Chlorobenzene	ND	0.50	
75-00-3	Chloroethane	ND	0.50	
67-66-3	Chloroform	ND	0.50	

74-87-3	Chloromethane	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
74-95-3	Dibromomethane	ND	0.50
75-71-8	Dichlorodifluoromethane	ND	0.50
60-29-7	Ethyl Ether	ND	0.50
100-41-4	Ethylbenzene	ND	0.50
87-68-3	Hexachlorobutadiene	ND	0.50
98-82-8	Isopropylbenzene	ND	0.50
108-38-3 / 106-4	Meta/Para Xylene	ND	1.0
1634-04-4	Methyl-t-butyl-ether	ND	0.50
75-09-2	Methylene Chloride	ND	0.50
104-51-8	N-Butylbenzene	ND	0.50
103-65-1	N-Propylbenzene	ND	0.50
91-20-3	Naphthalene	ND	0.50
95-47-6	Ortho Xylene	ND	0.50
99-87-6	Para-Isopropyltoluene	ND	0.50
135-98-8	Sec-Butylbenzene	ND	0.50
100-42-5	Styrene	ND	0.50
98-06-6	Tert-Butylbenzene	ND	0.50
127-18-4	Tetrachloroethylene	ND	0.50
109-99-9	Tetrahydrofuran	ND	5.0
108-88-3	Toluene	ND	0.50
156-60-5	Trans-1,2-Dichloroethylene	ND	0.50
79-01-6	Trichloroethylene	ND	0.50
75-69-4	Trichlorofluoromethane	ND	0.50
108-05-4	Vinyl Acetate	ND	0.50
75-01-4	Vinyl Chloride	ND	0.50
156-59-2	cis-1,2-Dichloroethylene	ND	0.50
10061-01-5	cis-1,3-dichloropropene	ND	0.50
10061-02-6	t-1,3-Dichloropropene	ND	0.50

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichlorobenzene-d4	100	95 - 112
Toluene-D8	104	94 - 109
1,4-Bromofluorobenzene	102	73 - 113

Comments: The RL for acrylonitrile and tetrahydrofuran have been raised to 5.0 ppb to reflect points omitted from the initial calibration.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Shpack Landfill - Norton MA

VOAs in Drinking Water

83 MAPLE

Client Sample ID: 59691
Date of Collection: 8/26/03
Date of Extraction: 8/28/03
Date of Analysis: 8/28/03
Dry Weight Extracted: N/A
Wet Weight Extracted: N/A

Lab Sample ID: AA33638
Matrix: DW
Volume Purged: 5 mL
Percent Solids: N/A
Extract Dilution: 1
pH: <2

CAS Number	Compound	Concentration ug/L	RL ug/L	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	
71-55-6	1,1,1-Trichloroethane	ND	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	ND	0.50	
79-00-5	1,1,2-Trichloroethane	ND	0.50	
75-35-4	1,1-Dichloroethylene	ND	0.50	
563-58-6	1,1-Dichloropropene	ND	0.50	
75-34-3	1,1-dichloroethane	ND	0.50	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	
96-18-4	1,2,3-Trichloropropane	ND	0.50	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	0.50	
106-93-4	1,2-Dibromoethane	ND	0.50	
95-50-1	1,2-Dichlorobenzene	ND	0.50	
107-06-2	1,2-Dichloroethane	ND	0.50	
78-87-5	1,2-Dichloropropane	ND	0.50	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	
142-28-9	1,3-Dichloropropane	ND	0.50	
541-73-1	1,3-dichlorobenzene	ND	0.50	
106-46-7	1,4-Dichlorobenzene	ND	0.50	
590-20-7	2,2-Dichloropropane	ND	0.50	
78-93-3	2-Butanone (MEK)	ND	0.50	
95-49-8	2-Chlorotoluene	ND	0.50	
591-10-6	2-Hexanone	ND	0.50	
106-43-4	4-Chlorotoluene	ND	0.50	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	0.50	
67-64-1	Acetone	ND	0.50	
107-13-1	Acrylonitrile	ND	5.0	
71-43-2	Benzene	ND	0.50	
108-86-1	Bromobenzene	ND	0.50	
74-97-5	Bromochloromethane	ND	0.50	
75-27-4	Bromodichloromethane	ND	0.50	
75-25-2	Bromoform	ND	0.50	
74-83-9	Bromomethane	ND	0.50	
75-15-0	Carbon Disulfide	ND	0.50	
56-23-5	Carbon tetrachloride	ND	0.50	
108-90-7	Chlorobenzene	ND	0.50	
75-00-3	Chloroethane	ND	0.50	
67-66-3	Chloroform	ND	0.50	

74-87-3	Chloromethane	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
74-95-3	Dibromomethane	ND	0.50
75-71-8	Dichlorodifluoromethane	ND	0.50
60-29-7	Ethyl Ether	ND	0.50
100-41-4	Ethylbenzene	ND	0.50
87-68-3	Hexachlorobutadiene	ND	0.50
98-82-8	Isopropylbenzene	ND	0.50
108-38-3 / 106-4	Meta/Para Xylene	ND	1.0
1634-04-4	Methyl-t-butyl-ether	ND	0.50
75-09-2	Methylene Chloride	ND	0.50
104-51-8	N-Butylbenzene	ND	0.50
103-65-1	N-Propylbenzene	ND	0.50
91-20-3	Naphthalene	ND	0.50
95-47-6	Ortho Xylene	ND	0.50
99-87-6	Para-Isopropyltoluene	ND	0.50
135-98-8	Sec-Butylbenzene	ND	0.50
100-42-5	Styrene	ND	0.50
98-06-6	Tert-Butylbenzene	ND	0.50
127-18-4	Tetrachloroethylene	ND	0.50
109-99-9	Tetrahydrofuran	ND	5.0
108-88-3	Toluene	ND	0.50
156-60-5	Trans-1,2-Dichloroethylene	ND	0.50
79-01-6	Trichloroethylene	ND	0.50
75-69-4	Trichlorofluoromethane	ND	0.50
108-05-4	Vinyl Acetate	ND	0.50
75-01-4	Vinyl Chloride	ND	0.50
156-59-2	cis-1,2-Dichloroethylene	ND	0.50
10061-01-5	cis-1,3-dichloropropene	ND	0.50
10061-02-6	t-1,3-Dichloropropene	ND	0.50

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichlorobenzene-d4	102	95 - 112
Toluene-D8	106	94 - 109
1,4-Bromofluorobenzene	106	73 - 113

Comments: The RL for acrylonitrile and tetrahydrofuran have been raised to 5.0 ppb to reflect points omitted from the initial calibration.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Shpack Landfill - Norton MA

VOAs in Drinking Water

95 MAPLE

Client Sample ID: 59692
Date of Collection: 8/26/03
Date of Extraction: 8/28/03
Date of Analysis: 8/28/03
Dry Weight Extracted: N/A
Wet Weight Extracted: N/A

Lab Sample ID: AA33639
Matrix: DW
Volume Purged: 5 mL
Percent Solids: N/A
Extract Dilution: 1
pH: <2

CAS Number	Compound	Concentration ug/L	RL ug/L	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	
71-55-6	1,1,1-Trichloroethane	ND	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	ND	0.50	
79-00-5	1,1,2-Trichloroethane	ND	0.50	
75-35-4	1,1-Dichloroethylene	ND	0.50	
563-58-6	1,1-Dichloropropene	ND	0.50	
75-34-3	1,1-dichloroethane	ND	0.50	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	
96-18-4	1,2,3-Trichloropropane	ND	0.50	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	0.50	
106-93-4	1,2-Dibromoethane	ND	0.50	
95-50-1	1,2-Dichlorobenzene	ND	0.50	
107-06-2	1,2-Dichloroethane	ND	0.50	
78-87-5	1,2-Dichloropropane	ND	0.50	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	
142-28-9	1,3-Dichloropropane	ND	0.50	
541-73-1	1,3-dichlorobenzene	ND	0.50	
106-46-7	1,4-Dichlorobenzene	ND	0.50	
590-20-7	2,2-Dichloropropane	ND	0.50	
78-93-3	2-Butanone (MEK)	ND	0.50	
95-49-8	2-Chlorotoluene	ND	0.50	
591-10-6	2-Hexanone	ND	0.50	
106-43-4	4-Chlorotoluene	ND	0.50	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	0.50	
67-64-1	Acetone	ND	0.50	
107-13-1	Acrylonitrile	ND	5.0	
71-43-2	Benzene	ND	0.50	
108-86-1	Bromobenzene	ND	0.50	
74-97-5	Bromochloromethane	ND	0.50	
75-27-4	Bromodichloromethane	ND	0.50	
75-25-2	Bromoform	ND	0.50	
74-83-9	Bromomethane	ND	0.50	
75-15-0	Carbon Disulfide	ND	0.50	
56-23-5	Carbon tetrachloride	ND	0.50	
108-90-7	Chlorobenzene	ND	0.50	
75-00-3	Chloroethane	ND	0.50	
67-66-3	Chloroform	ND	0.50	

74-87-3	Chloromethane	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
74-95-3	Dibromomethane	ND	0.50
75-71-8	Dichlorodifluoromethane	ND	0.50
60-29-7	Ethyl Ether	ND	0.50
100-41-4	Ethylbenzene	ND	0.50
87-68-3	Hexachlorobutadiene	ND	0.50
98-82-8	Isopropylbenzene	ND	0.50
108-38-3 / 106-4	Meta/Para Xylene	ND	1.0
1634-04-4	Methyl-t-butyl-ether	ND	0.50
75-09-2	Methylene Chloride	ND	0.50
104-51-8	N-Butylbenzene	ND	0.50
103-65-1	N-Propylbenzene	ND	0.50
91-20-3	Naphthalene	ND	0.50
95-47-6	Ortho Xylene	ND	0.50
99-87-6	Para-Isopropyltoluene	ND	0.50
135-98-8	Sec-Butylbenzene	ND	0.50
100-42-5	Styrene	ND	0.50
98-06-6	Tert-Butylbenzene	ND	0.50
127-18-4	Tetrachloroethylene	ND	0.50
109-99-9	Tetrahydrofuran	ND	5.0
108-88-3	Toluene	ND	0.50
156-60-5	Trans-1,2-Dichloroethylene	ND	0.50
79-01-6	Trichloroethylene	ND	0.50
75-69-4	Trichlorofluoromethane	ND	0.50
108-05-4	Vinyl Acetate	ND	0.50
75-01-4	Vinyl Chloride	ND	0.50
156-59-2	cis-1,2-Dichloroethylene	ND	0.50
10061-01-5	cis-1,3-dichloropropene	ND	0.50
10061-02-6	t-1,3-Dichloropropene	ND	0.50

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichlorobenzene-d4	102	95 - 112
Toluene-D8	106	94 - 109
1,4-Bromofluorobenzene	104	73 - 113

Comments: The RL for acrylonitrile and tetrahydrofuran have been raised to 5.0 ppb to reflect points omitted from the initial calibration.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Shpack Landfill - Norton MA

VOAs in Drinking Water

94 MAPLE

Client Sample ID: 59693
Date of Collection: 8/26/03
Date of Extraction: 8/28/03
Date of Analysis: 8/28/03
Dry Weight Extracted: N/A
Wet Weight Extracted: N/A

Lab Sample ID: AA33640
Matrix: DW
Volume Purged: 5 mL
Percent Solids: N/A
Extract Dilution: 1
pH: <2

CAS Number	Compound	Concentration ug/L	RL ug/L	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	
71-55-6	1,1,1-Trichloroethane	ND	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	ND	0.50	
79-00-5	1,1,2-Trichloroethane	ND	0.50	
75-35-4	1,1-Dichloroethylene	ND	0.50	
563-58-6	1,1-Dichloropropene	ND	0.50	
75-34-3	1,1-dichloroethane	ND	0.50	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	
96-18-4	1,2,3-Trichloropropane	ND	0.50	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	0.50	
106-93-4	1,2-Dibromoethane	ND	0.50	
95-50-1	1,2-Dichlorobenzene	ND	0.50	
107-06-2	1,2-Dichloroethane	ND	0.50	
78-87-5	1,2-Dichloropropane	ND	0.50	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	
142-28-9	1,3-Dichloropropane	ND	0.50	
541-73-1	1,3-dichlorobenzene	ND	0.50	
106-46-7	1,4-Dichlorobenzene	ND	0.50	
590-20-7	2,2-Dichloropropane	ND	0.50	
78-93-3	2-Butanone (MEK)	ND	0.50	
95-49-8	2-Chlorotoluene	ND	0.50	
591-10-6	2-Hexanone	ND	0.50	
106-43-4	4-Chlorotoluene	ND	0.50	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	0.50	
67-64-1	Acetone	ND	0.50	
107-13-1	Acrylonitrile	ND	5.0	
71-43-2	Benzene	ND	0.50	
108-86-1	Bromobenzene	ND	0.50	
74-97-5	Bromochloromethane	ND	0.50	
75-27-4	Bromodichloromethane	ND	0.50	
75-25-2	Bromoform	ND	0.50	
74-83-9	Bromomethane	ND	0.50	
75-15-0	Carbon Disulfide	ND	0.50	
56-23-5	Carbon tetrachloride	ND	0.50	
108-90-7	Chlorobenzene	ND	0.50	
75-00-3	Chloroethane	ND	0.50	
67-66-3	Chloroform	ND	0.50	

74-87-3	Chloromethane	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
74-95-3	Dibromomethane	ND	0.50
75-71-8	Dichlorodifluoromethane	ND	0.50
60-29-7	Ethyl Ether	ND	0.50
100-41-4	Ethylbenzene	ND	0.50
87-68-3	Hexachlorobutadiene	ND	0.50
98-82-8	Isopropylbenzene	ND	0.50
108-38-3 / 106-4	Meta/Para Xylene	ND	1.0
1634-04-4	Methyl-t-butyl-ether	ND	0.50
75-09-2	Methylene Chloride	ND	0.50
104-51-8	N-Butylbenzene	ND	0.50
103-65-1	N-Propylbenzene	ND	0.50
91-20-3	Naphthalene	ND	0.50
95-47-6	Ortho Xylene	ND	0.50
99-87-6	Para-Isopropyltoluene	ND	0.50
135-98-8	Sec-Butylbenzene	ND	0.50
100-42-5	Styrene	ND	0.50
98-06-6	Tert-Butylbenzene	ND	0.50
127-18-4	Tetrachloroethylene	ND	0.50
109-99-9	Tetrahydrofuran	ND	5.0
108-88-3	Toluene	ND	0.50
156-60-5	Trans-1,2-Dichloroethylene	ND	0.50
79-01-6	Trichloroethylene	ND	0.50
75-69-4	Trichlorofluoromethane	ND	0.50
108-05-4	Vinyl Acetate	ND	0.50
75-01-4	Vinyl Chloride	ND	0.50
156-59-2	cis-1,2-Dichloroethylene	ND	0.50
10061-01-5	cis-1,3-dichloropropene	ND	0.50
10061-02-6	t-1,3-Dichloropropene	ND	0.50

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichlorobenzene-d4	100	95 - 112
Toluene-D8	102	94 - 109
1,4-Bromofluorobenzene	100	73 - 113

Comments: The RL for acrylonitrile and tetrahydrofuran have been raised to 5.0 ppb to reflect points omitted from the initial calibration.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Shpack Landfill - Norton MA

VOAs in Drinking Water

59 UNION

Client Sample ID: 59694
Date of Collection: 8/26/03
Date of Extraction: 8/28/03
Date of Analysis: 8/28/03
Dry Weight Extracted: N/A
Wet Weight Extracted: N/A

Lab Sample ID: AA33641
Matrix: DW
Volume Purged: 5 mL
Percent Solids: N/A
Extract Dilution: 1
pH: <2

CAS Number	Compound	Concentration ug/L	RL ug/L	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	
71-55-6	1,1,1-Trichloroethane	ND	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	ND	0.50	
79-00-5	1,1,2-Trichloroethane	ND	0.50	
75-35-4	1,1-Dichloroethylene	ND	0.50	
563-58-6	1,1-Dichloropropene	ND	0.50	
75-34-3	1,1-dichloroethane	ND	0.50	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	
96-18-4	1,2,3-Trichloropropane	ND	0.50	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	0.50	
106-93-4	1,2-Dibromoethane	ND	0.50	
95-50-1	1,2-Dichlorobenzene	ND	0.50	
107-06-2	1,2-Dichloroethane	ND	0.50	
78-87-5	1,2-Dichloropropane	ND	0.50	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	
142-28-9	1,3-Dichloropropane	ND	0.50	
541-73-1	1,3-dichlorobenzene	ND	0.50	
106-46-7	1,4-Dichlorobenzene	ND	0.50	
590-20-7	2,2-Dichloropropane	ND	0.50	
78-93-3	2-Butanone (MEK)	ND	0.50	
95-49-8	2-Chlorotoluene	ND	0.50	
591-10-6	2-Hexanone	ND	0.50	
106-43-4	4-Chlorotoluene	ND	0.50	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	0.50	
67-64-1	Acetone	ND	0.50	
107-13-1	Acrylonitrile	ND	5.0	
71-43-2	Benzene	ND	0.50	
108-86-1	Bromobenzene	ND	0.50	
74-97-5	Bromochloromethane	ND	0.50	
75-27-4	Bromodichloromethane	ND	0.50	
75-25-2	Bromoform	ND	0.50	
74-83-9	Bromomethane	ND	0.50	
75-15-0	Carbon Disulfide	ND	0.50	
56-23-5	Carbon tetrachloride	ND	0.50	
108-90-7	Chlorobenzene	ND	0.50	
75-00-3	Chloroethane	ND	0.50	
67-66-3	Chloroform	2.1	0.50	

74-87-3	Chloromethane	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
74-95-3	Dibromomethane	ND	0.50
75-71-8	Dichlorodifluoromethane	ND	0.50
60-29-7	Ethyl Ether	ND	0.50
100-41-4	Ethylbenzene	ND	0.50
87-68-3	Hexachlorobutadiene	ND	0.50
98-82-8	Isopropylbenzene	ND	0.50
108-38-3 / 106-4	Meta/Para Xylene	ND	1.0
1634-04-4	Methyl-t-butyl-ether	1.8	0.50
75-09-2	Methylene Chloride	ND	0.50
104-51-8	N-Butylbenzene	ND	0.50
103-65-1	N-Propylbenzene	ND	0.50
91-20-3	Naphthalene	ND	0.50
95-47-6	Ortho Xylene	ND	0.50
99-87-6	Para-Isopropyltoluene	ND	0.50
135-98-8	Sec-Butylbenzene	ND	0.50
100-42-5	Styrene	ND	0.50
98-06-6	Tert-Butylbenzene	ND	0.50
127-18-4	Tetrachloroethylene	ND	0.50
109-99-9	Tetrahydrofuran	ND	5.0
108-88-3	Toluene	ND	0.50
156-60-5	Trans-1,2-Dichloroethylene	ND	0.50
79-01-6	Trichloroethylene	ND	0.50
75-69-4	Trichlorofluoromethane	ND	0.50
108-05-4	Vinyl Acetate	ND	0.50
75-01-4	Vinyl Chloride	ND	0.50
156-59-2	cis-1,2-Dichloroethylene	ND	0.50
10061-01-5	cis-1,3-dichloropropene	ND	0.50
10061-02-6	t-1,3-Dichloropropene	ND	0.50

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichlorobenzene-d4	102	95 - 112
Toluene-D8	102	94 - 109
1,4-Bromofluorobenzene	100	73 - 113

Comments: The RL for acrylonitrile and tetrahydrofuran have been raised to 5.0 ppb to reflect points omitted from the initial calibration.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Shpack Landfill - Norton MA

Blank for VOAs in Drinking Water

Client Sample ID:	N/A	Lab Sample ID:	N/A
Date of Collection:	N/A	Matrix	DW
Date of Extraction:	8/28/03	Volume Purged:	5 mL
Date of Analysis:	8/28/03	Percent Solids:	N/A
Dry Weight Extracted:	N/A	Extract Dilution:	1
Wet Weight Extracted:	N/A	pH:	6

CAS Number	Compound	Concentration ug/L	RL ug/L	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	
71-55-6	1,1,1-Trichloroethane	ND	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	ND	0.50	
79-00-5	1,1,2-Trichloroethane	ND	0.50	
75-35-4	1,1-Dichloroethylene	ND	0.50	
563-58-6	1,1-Dichloropropene	ND	0.50	
75-34-3	1,1-dichloroethane	ND	0.50	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	
96-18-4	1,2,3-Trichloropropane	ND	0.50	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	0.50	
106-93-4	1,2-Dibromoethane	ND	0.50	
95-50-1	1,2-Dichlorobenzene	ND	0.50	
107-06-2	1,2-Dichloroethane	ND	0.50	
78-87-5	1,2-Dichloropropane	ND	0.50	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	
142-28-9	1,3-Dichloropropane	ND	0.50	
541-73-1	1,3-dichlorobenzene	ND	0.50	
106-46-7	1,4-Dichlorobenzene	ND	0.50	
590-20-7	2,2-Dichloropropane	ND	0.50	
78-93-3	2-Butanone (MEK)	ND	0.50	
95-49-8	2-Chlorotoluene	ND	0.50	
591-10-6	2-Hexanone	ND	0.50	
106-43-4	4-Chlorotoluene	ND	0.50	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	0.50	
67-64-1	Acetone	ND	0.50	
107-13-1	Acrylonitrile	ND	5.0	
71-43-2	Benzene	ND	0.50	
108-86-1	Bromobenzene	ND	0.50	
74-97-5	Bromochloromethane	ND	0.50	
75-27-4	Bromodichloromethane	ND	0.50	
75-25-2	Bromoform	ND	0.50	
74-83-9	Bromomethane	ND	0.50	
75-15-0	Carbon Disulfide	ND	0.50	
56-23-5	Carbon tetrachloride	ND	0.50	
108-90-7	Chlorobenzene	ND	0.50	
75-00-3	Chloroethane	ND	0.50	
67-66-3	Chloroform	ND	0.50	

74-87-3	Chloromethane	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
74-95-3	Dibromomethane	ND	0.50
75-71-8	Dichlorodifluoromethane	ND	0.50
60-29-7	Ethyl Ether	ND	0.50
100-41-4	Ethylbenzene	ND	0.50
87-68-3	Hexachlorobutadiene	ND	0.50
98-82-8	Isopropylbenzene	ND	0.50
108-38-3 / 106-4	Meta/Para Xylene	ND	1.0
1634-04-4	Methyl-t-butyl-ether	ND	0.50
75-09-2	Methylene Chloride	ND	0.50
104-51-8	N-Butylbenzene	ND	0.50
103-65-1	N-Propylbenzene	ND	0.50
91-20-3	Naphthalene	ND	0.50
95-47-6	Ortho Xylene	ND	0.50
99-87-6	Para-Isopropyltoluene	ND	0.50
135-98-8	Sec-Butylbenzene	ND	0.50
100-42-5	Styrene	ND	0.50
98-06-6	Tert-Butylbenzene	ND	0.50
127-18-4	Tetrachloroethylene	ND	0.50
109-99-9	Tetrahydrofuran	ND	5.0
108-88-3	Toluene	ND	0.50
156-60-5	Trans-1,2-Dichloroethylene	ND	0.50
79-01-6	Trichloroethylene	ND	0.50
75-69-4	Trichlorofluoromethane	ND	0.50
108-05-4	Vinyl Acetate	ND	0.50
75-01-4	Vinyl Chloride	ND	0.50
156-59-2	cis-1,2-Dichloroethylene	ND	0.50
10061-01-5	cis-1,3-dichloropropene	ND	0.50
10061-02-6	t-1,3-Dichloropropene	ND	0.50

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichlorobenzene-d4	108	95 - 112
Toluene-D8	104	94 - 109
1,4-Bromofluorobenzene	108	73 - 112

Comments: Method Blank for samples; AA33634 - AA33641.

The RL for acrylonitrile and tetrahydrofuran have been raised to 5.0 ppb to reflect points omitted from the initial calibration.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

VOA MATRIX SPIKE (MS) / MATRIX SPIKE DUPLICATE (MSD) RECOVERY

Shpack Landfill - Norton MA

Sample ID: AA33629

PARAMETER	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	MS CONCENTRATION ug/L	MS % REC	QC LIMITS (% REC)
1,1,1-Trichloroethane	4.0	ND	3.6	90	51 - 142
1,1-Dichloroethylene	4.0	ND	3.3	83	50 - 150
1,2-Dichloroethane	4.0	ND	3.9	98	57 - 141
1,4-Dichlorobenzene	4.0	ND	3.0	75	55 - 102
Benzene	4.0	ND	3.8	95	67 - 132
Bromodichloromethane	4.0	ND	3.6	90	44 - 133
Bromoform	4.0	ND	2.0	50	25 - 118
Carbon tetrachloride	4.0	ND	3.4	85	60 - 139
Chloroform	4.0	ND	3.7	93	62 - 128
Dibromochloromethane	4.0	ND	2.9	73	36 - 125
Trichloroethylene	4.0	ND	3.2	80	65 - 132
Vinyl Chloride	4.0	ND	3.3	83	44 - 170

Comments:

PARAMETER	MSD SPIKE ADDED	MSD CONCENTRATION ug/L	MSD % REC	RPD %	QC LIMITS RPD
1,1,1-Trichloroethane	4.0	3.7	93	3	19
1,1-Dichloroethylene	4.0	3.3	83	0	15
1,2-Dichloroethane	4.0	4.0	100	3	36
1,4-Dichlorobenzene	4.0	3.1	78	3	25
Benzene	4.0	3.8	95	0	24
Bromodichloromethane	4.0	3.5	88	3	33
Bromoform	4.0	2.0	50	0	65
Carbon tetrachloride	4.0	3.4	85	0	17
Chloroform	4.0	3.7	93	0	23
Dibromochloromethane	4.0	2.8	70	4	41
Trichloroethylene	4.0	3.2	80	0	44
Vinyl Chloride	4.0	3.5	88	6	19

Comments:

Samples in Batch: AA33627 AA33628 AA33629 AA33630 AA33631 AA33632 AA33633 AA33634 AA33635
AA33636 AA33637 AA33638 AA33639 AA33640 AA33641

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Laboratory Duplicate Results

Shpack Landfill - Norton MA

Sample ID: AA33628

PARAMETER	SAMPLE RESULT ug/L	SAMPLE DUPLICATE RESULT ug/L	PRECISION RPD %	QC LIMITS
1,1,1,2-Tetrachloroethane	ND	ND	ND	25
1,1,1-Trichloroethane	ND	ND	ND	25
1,1,2,2-Tetrachloroethane	ND	ND	ND	25
1,1,2-Trichloro-1,2,2-Trifluoroeth	ND	ND	ND	25
1,1,2-Trichloroethane	ND	ND	ND	25
1,1-Dichloroethylene	ND	ND	ND	25
1,1-Dichloropropene	ND	ND	ND	25
1,1-dichloroethane	ND	ND	ND	25
1,2,3-Trichlorobenzene	ND	ND	ND	25
1,2,3-Trichloropropane	ND	ND	ND	25
1,2,4-Trichlorobenzene	ND	ND	ND	25
1,2,4-Trimethylbenzene	ND	ND	ND	25
1,2-Dibromo-3-Chloropropane	ND	ND	ND	25
1,2-Dibromoethane	ND	ND	ND	25
1,2-Dichlorobenzene	ND	ND	ND	25
1,2-Dichloroethane	ND	ND	ND	25
1,2-Dichloropropane	ND	ND	ND	25
1,3,5-Trimethylbenzene	ND	ND	ND	25
1,3-Dichloropropane	ND	ND	ND	25
1,3-dichlorobenzene	ND	ND	ND	25
1,4-Dichlorobenzene	ND	ND	ND	25
2,2-Dichloropropane	ND	ND	ND	25
2-Butanone (MEK)	ND	ND	ND	25
2-Chlorotoluene	ND	ND	ND	25
2-Hexanone	ND	ND	ND	25
4-Chlorotoluene	ND	ND	ND	25
4-Methyl-2-Pentanone(MIBK)	ND	ND	ND	25
Acetone	ND	ND	ND	25
Acrylonitrile	ND	ND	ND	25
Benzene	ND	ND	ND	25
Bromobenzene	ND	ND	ND	25
Bromochloromethane	ND	ND	ND	25
Bromodichloromethane	ND	ND	ND	25
Bromoform	ND	ND	ND	25
Bromomethane	ND	ND	ND	25
Carbon Disulfide	ND	ND	ND	25
Carbon tetrachloride	ND	ND	ND	25
Chlorobenzene	ND	ND	ND	25
Chloroethane	ND	ND	ND	25
Chloroform	ND	ND	ND	25
Chloromethane	ND	ND	ND	25
Dibromochloromethane	ND	ND	ND	25
Dibromomethane	ND	ND	ND	25
Dichlorodifluoromethane	ND	ND	ND	25
Ethyl Ether	ND	ND	ND	25
Ethylbenzene	ND	ND	ND	25
Hexachlorobutadiene	ND	ND	ND	25
Isopropylbenzene	ND	ND	ND	25
Meta/Para Xylene	ND	ND	ND	25
Methyl-t-butyl-ether	ND	ND	ND	25
Methylene Chloride	ND	ND	ND	25

N-Butylbenzene	ND	ND	ND	25
N-Propylbenzene	ND	ND	ND	25
Naphthalene	ND	ND	ND	25
Ortho Xylene	ND	ND	ND	25
Para-Isopropyltoluene	ND	ND	ND	25
Sec-Butylbenzene	ND	ND	ND	25
Styrene	ND	ND	ND	25
Tert-Butylbenzene	ND	ND	ND	25
Tetrachloroethylene	ND	ND	ND	25
Tetrahydrofuran	ND	ND	ND	25
Toluene	ND	ND	ND	25
Trans-1,2-Dichloroethylene	ND	ND	ND	25
Trichloroethylene	ND	ND	ND	25
Trichlorofluoromethane	ND	ND	ND	25
Vinyl Acetate	ND	ND	ND	25
Vinyl Chloride	ND	ND	ND	25
cis-1,2-Dichloroethylene	ND	ND	ND	25
cis-1,3-dichloropropene	ND	ND	ND	25
t-1,3-Dichloropropene	ND	ND	ND	25

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

LABORATORY FORTIFIED BLANK (LFB) RECOVERY

Shpack Landfill - Norton MA

COMPOUND	SPIKE ADDED ug/L	LFB CONCENTRATION ug/L	LFB RECOVERY %	QC LIMITS (% REC)
1,1,1,2-Tetrachloroethane	5	4.8	96	79 - 118
1,1,1-Trichloroethane	5	4.6	92	80 - 116
1,1,2,2-Tetrachloroethane	5	4.4	88	65 - 129
1,1,2-Trichloro-1,2,2-Trifluoroeth	5	4.0	80	59 - 131
1,1,2-Trichloroethane	5	4.7	94	77 - 122
1,1-Dichloroethylene	5	4.1	82	82 - 124
1,1-Dichloropropene	5	4.8	96	79 - 131
1,1-dichloroethane	5	5.2	104	83 - 122
1,2,3-Trichlorobenzene	5	4.2	84	62 - 124
1,2,3-Trichloropropane	5	4.8	96	74 - 121
1,2,4-Trichlorobenzene	5	4.3	86	62 - 129
1,2,4-Trimethylbenzene	5	4.4	88	90 - 123
1,2-Dibromo-3-Chloropropane	5	4.0	80	52 - 114
1,2-Dibromoethane	5	4.9	98	79 - 115
1,2-Dichlorobenzene	5	5.0	100	78 - 125
1,2-Dichloroethane	5	5.3	106	87 - 127
1,2-Dichloropropane	5	5.3	106	84 - 125
1,3,5-Trimethylbenzene	5	4.8	96	85 - 129
1,3-Dichloropropane	5	5.0	100	79 - 129
1,3-dichlorobenzene	5	4.9	98	81 - 128
1,4-Dichlorobenzene	5	5.0	100	85 - 124
2,2-Dichloropropane	5	4.6	92	10 - 217
2-Butanone (MEK)	5	3.8	76	12 - 202
2-Chlorotoluene	5	4.7	94	77 - 135
2-Hexanone	5	4.7	94	65 - 117
4-Chlorotoluene	5	4.7	94	84 - 131
4-Methyl-2-Pentanone(MIBK)	5	7.2	144	67 - 108
Acetone	5	5.3	106	57 - 128
Acrylonitrile	5	2.2	44	67 - 120
Benzene	5	5.4	108	86 - 134
Bromobenzene	5	5.2	104	86 - 126
Bromochloromethane	5	4.0	80	73 - 124
Bromodichloromethane	5	5.0	100	68 - 125
Bromoform	5	3.3	66	55 - 114
Bromomethane	5	5.0	100	64 - 139
Carbon Disulfide	5	5.4	108	66 - 129
Carbon tetrachloride	5	4.5	90	76 - 120
Chlorobenzene	5	5.2	104	86 - 128
Chloroethane	5	4.6	92	58 - 145
Chloroform	5	5.3	106	76 - 122
Chloromethane	5	4.0	80	9 - 180
Dibromochloromethane	5	4.3	86	53 - 124
Dibromomethane	5	4.8	96	79 - 118
Dichlorodifluoromethane	5	3.2	64	20 - 210
Ethyl Ether	5	5.0	100	71 - 119
Ethylbenzene	5	5.0	100	89 - 130
Hexachlorobutadiene	5	4.1	82	64 - 142
Isopropylbenzene	5	3.9	78	90 - 122
Meta/Para Xylene	10	9.5	95	87 - 135

Methyl-t-butyl-ether	5	5.6	112	68 - 119
Methylene Chloride	5	5.2	104	56 - 141
N-Butylbenzene	5	3.6	72	82 - 126
N-Propylbenzene	5	4.4	88	82 - 126
Naphthalene	5	3.9	78	64 - 123
Ortho Xylene	5	4.9	98	81 - 133
Para-Isopropyltoluene	5	3.6	72	88 - 124
Sec-Butylbenzene	5	3.7	74	76 - 134
Styrene	5	4.4	88	85 - 128
Tert-Butylbenzene	5	4.6	92	82 - 119
Tetrachloroethylene	5	4.4	88	46 - 137
Tetrahydrofuran	5	6.0	120	53 - 115
Toluene	5	5.0	100	83 - 134
Trans-1,2-Dichloroethylene	5	5.1	102	79 - 128
Trichloroethylene	5	4.5	90	72 - 119
Trichlorofluoromethane	5	4.5	90	68 - 132
Vinyl Acetate	5	3.8	76	57 - 84
Vinyl Chloride	5	4.3	86	58 - 149
cis-1,2-Dichloroethylene	5	4.8	96	78 - 126
cis-1,3-dichloropropene	5	4.6	92	75 - 135
t-1,3-Dichloropropene	5	4.6	92	50 - 151

Comments: