



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

Laboratory Report

May 04, 2011

Ted Bzenas - Mail Code OSRR02-2
US EPA New England R1

Project Number: 11040090

Project: A & J Floral - Benton, ME

Analysis: VOAs in Soil High Level Method

Analyst: Joseph Montanaro

05/04/11

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, EIASOP-VOAGCMS9.

Samples were analyzed by GC/MS. Samples were introduced to the GC via a Tekmar preconcentrator and an Archon auto-sampler. The analysis SOP is based on US EPA Method 8260B, revision 2.0, 1996 and Method 5035A, draft revision 1, 2002, from SW-846.

Date Samples Received by the Laboratory: 04/28/2011

Data were reviewed in accordance with the internal verification procedures described in the EPA New England OEME Chemistry QA Plan.

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.

Report may contain multiple sections and each section will be numbered independently.

If you have any questions please call me at 617-918-8340 .

Sincerely,

 5/4/11

Daniel N. Boudreau
Chemistry Team Leader

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

A & J Floral - Benton, ME

VOAs in Soil High Level Method

Client Sample ID: D30176
Date of Collection: 4/26/2011
Date of Extraction: 5/2/11
Date of Analysis: 5/2/11
Dry Weight Extracted: 3.351 grams
Wet Weight Extracted: 6.205 grams

Lab Sample ID: AB16941
Matrix: Soil
Volume Purged: 5 mL
Percent Solids: 54%
Extract Dilution: 50
pH: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	190	
71-55-6	1,1,1-Trichloroethane	ND	190	
79-34-5	1,1,2,2-Tetrachloroethane	ND	190	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	190	
79-00-5	1,1,2-Trichloroethane	ND	190	
75-35-4	1,1-Dichloroethylene	ND	190	
563-58-6	1,1-Dichloropropene	ND	190	
75-34-3	1,1-dichloroethane	ND	190	
87-61-6	1,2,3-Trichlorobenzene	ND	190	
96-18-4	1,2,3-Trichloropropane	ND	190	
120-82-1	1,2,4-Trichlorobenzene	ND	190	
95-63-6	1,2,4-Trimethylbenzene	ND	190	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	190	
106-93-4	1,2-Dibromoethane	ND	190	
95-50-1	1,2-Dichlorobenzene	ND	190	
107-06-2	1,2-Dichloroethane	ND	190	
78-87-5	1,2-Dichloropropane	ND	190	
108-67-8	1,3,5-Trimethylbenzene	ND	190	
541-73-1	1,3-Dichlorobenzene	ND	190	
142-28-9	1,3-Dichloropropane	ND	190	
106-46-7	1,4-Dichlorobenzene	ND	190	
594-20-7	2,2-Dichloropropane	ND	190	
78-93-3	2-Butanone (MEK)	ND	190	
95-49-8	2-Chlorotoluene	ND	190	
591-78-6	2-Hexanone	ND	190	
67-64-1	2-Propanone (acetone)	ND	190	
106-43-4	4-Chlorotoluene	ND	190	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	190	
107-13-1	Acrylonitrile	ND	190	
71-43-2	Benzene	ND	190	
108-86-1	Bromobenzene	ND	190	
74-97-5	Bromochloromethane	ND	190	
75-27-4	Bromodichloromethane	ND	190	
75-25-2	Bromoform	ND	190	
74-83-9	Bromomethane	ND	190	
75-15-0	Carbon Disulfide	ND	190	
56-23-5	Carbon tetrachloride	ND	190	
108-90-7	Chlorobenzene	ND	190	
75-00-3	Chloroethane	ND	190	

67-66-3	Chloroform	ND	190
74-87-3	Chloromethane	ND	190
124-48-1	Dibromochloromethane	ND	190
74-95-3	Dibromomethane	ND	190
75-71-8	Dichlorodifluoromethane	ND	190
60-29-7	Ethyl Ether	ND	190
100-41-4	Ethylbenzene	ND	190
87-68-3	Hexachlorobutadiene	ND	190
98-82-8	Isopropylbenzene	ND	190
108-38-3/106-42-1	M/P Xylene	ND	380
1634-04-4	Methyl-t-Butyl Ether	ND	190
75-09-2	Methylene Chloride	ND	190
104-51-8	N-Butylbenzene	ND	190
103-65-1	N-Propylbenzene	ND	190
91-20-3	Naphthalene	ND	190
95-47-6	Ortho Xylene	ND	190
99-87-6	Para-Isopropyltoluene	ND	190
135-98-8	Sec-Butylbenzene	ND	190
100-42-5	Styrene	ND	190
98-06-6	Tert-Butylbenzene	ND	190
127-18-4	Tetrachloroethylene	ND	190
109-99-9	Tetrahydrofuran	ND	190
108-88-3	Toluene	ND	190
156-60-5	Trans-1,2-Dichloroethylene	ND	190
79-01-6	Trichloroethylene	ND	190
75-69-4	Trichlorofluoromethane	ND	190
108-05-4	Vinyl Acetate	ND	190
75-01-4	Vinyl Chloride	ND	190
10061-01-5	c-1,3-dichloropropene	ND	190
156-59-2	cis-1,2-Dichloroethylene	ND	190
10061-02-6	t-1,3-Dichloropropene	ND	190

Surrogate Compounds	Recoveries (%)	QC Ranges
1,4-Bromofluorobenzene	98	78 - 111
1,2-Dichloroethane-D4	94	74 - 136
Toluene-D8	100	85 - 118

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

A & J Floral - Benton, ME

Laboratory Blank

Client Sample ID:	N/A	Lab Sample ID:	N/A
Date of Collection:	N/A	Matrix	Soil
Date of Extraction:	5/2/11	Volume Purged:	5 mL
Date of Analysis:	5/2/11	Percent Solids:	N/A
Dry Weight Extracted:	N/A	Extract Dilution:	1
Wet Weight Extracted:	N/A	pH:	~6

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	
71-55-6	1,1,1-Trichloroethane	ND	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.0	
79-00-5	1,1,2-Trichloroethane	ND	1.0	
75-35-4	1,1-Dichloroethylene	ND	1.0	
563-58-6	1,1-Dichloropropene	ND	1.0	
75-34-3	1,1-dichloroethane	ND	1.0	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	
96-18-4	1,2,3-Trichloropropane	ND	1.0	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	1.0	
106-93-4	1,2-Dibromoethane	ND	1.0	
95-50-1	1,2-Dichlorobenzene	ND	1.0	
107-06-2	1,2-Dichloroethane	ND	1.0	
78-87-5	1,2-Dichloropropane	ND	1.0	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	
541-73-1	1,3-Dichlorobenzene	ND	1.0	
142-28-9	1,3-Dichloropropane	ND	1.0	
106-46-7	1,4-Dichlorobenzene	ND	1.0	
594-20-7	2,2-Dichloropropane	ND	1.0	
78-93-3	2-Butanone (MEK)	ND	1.0	
95-49-8	2-Chlorotoluene	ND	1.0	
591-78-6	2-Hexanone	ND	1.0	
67-64-1	2-Propanone (acetone)	ND	1.0	
106-43-4	4-Chlorotoluene	ND	1.0	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	1.0	
107-13-1	Acrylonitrile	ND	1.0	
71-43-2	Benzene	ND	1.0	
108-86-1	Bromobenzene	ND	1.0	
74-97-5	Bromochloromethane	ND	1.0	
75-27-4	Bromodichloromethane	ND	1.0	
75-25-2	Bromoform	ND	1.0	
74-83-9	Bromomethane	ND	1.0	
75-15-0	Carbon Disulfide	ND	1.0	
56-23-5	Carbon tetrachloride	ND	1.0	
108-90-7	Chlorobenzene	ND	1.0	
75-00-3	Chloroethane	ND	1.0	

67-66-3	Chloroform	ND	1.0
74-87-3	Chloromethane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
74-95-3	Dibromomethane	ND	1.0
75-71-8	Dichlorodifluoromethane	ND	1.0
60-29-7	Ethyl Ether	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
98-82-8	Isopropylbenzene	ND	1.0
108-38-3/106-42-1	M/P Xylene	ND	2.0
1634-04-4	Methyl-t-Butyl Ether	ND	1.0
75-09-2	Methylene Chloride	ND	1.0
104-51-8	N-Butylbenzene	ND	1.0
103-65-1	N-Propylbenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
95-47-6	Ortho Xylene	ND	1.0
99-87-6	Para-Isopropyltoluene	ND	1.0
135-98-8	Sec-Butylbenzene	ND	1.0
100-42-5	Styrene	ND	1.0
98-06-6	Tert-Butylbenzene	ND	1.0
127-18-4	Tetrachloroethylene	ND	1.0
109-99-9	Tetrahydrofuran	ND	1.0
108-88-3	Toluene	ND	1.0
156-60-5	Trans-1,2-Dichloroethylene	ND	1.0
79-01-6	Trichloroethylene	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
108-05-4	Vinyl Acetate	ND	1.0
75-01-4	Vinyl Chloride	ND	1.0
10061-01-5	c-1,3-dichloropropene	ND	1.0
156-59-2	cis-1,2-Dichloroethylene	ND	1.0
10061-02-6	t-1,3-Dichloropropene	ND	1.0

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichloroethane-D4	95	74 - 136
Toluene-D8	101	85 - 118
1,4-Bromofluorobenzene	97	78 - 111

Comments: Laboratory blank is reported in ug/L.

Laboratory blank is associated with samples AB16941 (MS/MS and Duplicate Studies), AB16942, AB16944, AB16949, AB16961, AB16962, AB16963, AB16964.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

A & J Floral - Benton, ME

VOAs in Soil High Level Method

Client Sample ID: D30177
Date of Collection: 4/26/2011
Date of Extraction: 5/2/11
Date of Analysis: 5/2/11
Dry Weight Extracted: 3.502 grams
Wet Weight Extracted: 4.169 grams

Lab Sample ID: AB16942
Matrix: Soil
Volume Purged: 5 mL
Percent Solids: 84%
Extract Dilution: 50
pH: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	150	
71-55-6	1,1,1-Trichloroethane	ND	150	
79-34-5	1,1,2,2-Tetrachloroethane	ND	150	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	150	
79-00-5	1,1,2-Trichloroethane	ND	150	
75-35-4	1,1-Dichloroethylene	ND	150	
563-58-6	1,1-Dichloropropene	ND	150	
75-34-3	1,1-dichloroethane	ND	150	
87-61-6	1,2,3-Trichlorobenzene	ND	150	
96-18-4	1,2,3-Trichloropropane	ND	150	
120-82-1	1,2,4-Trichlorobenzene	ND	150	
95-63-6	1,2,4-Trimethylbenzene	1800	150	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	150	
106-93-4	1,2-Dibromoethane	ND	150	
95-50-1	1,2-Dichlorobenzene	ND	150	
107-06-2	1,2-Dichloroethane	ND	150	
78-87-5	1,2-Dichloropropane	ND	150	
108-67-8	1,3,5-Trimethylbenzene	440	150	
541-73-1	1,3-Dichlorobenzene	ND	150	
142-28-9	1,3-Dichloropropane	ND	150	
106-46-7	1,4-Dichlorobenzene	ND	150	
594-20-7	2,2-Dichloropropane	ND	150	
78-93-3	2-Butanone (MEK)	ND	150	
95-49-8	2-Chlorotoluene	ND	150	
591-78-6	2-Hexanone	ND	150	
67-64-1	2-Propanone (acetone)	550	150	
106-43-4	4-Chlorotoluene	ND	150	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	150	
107-13-1	Acrylonitrile	ND	150	
71-43-2	Benzene	260	150	
108-86-1	Bromobenzene	ND	150	
74-97-5	Bromochloromethane	ND	150	
75-27-4	Bromodichloromethane	ND	150	
75-25-2	Bromoform	ND	150	
74-83-9	Bromomethane	ND	150	
75-15-0	Carbon Disulfide	ND	150	
56-23-5	Carbon tetrachloride	ND	150	
108-90-7	Chlorobenzene	ND	150	
75-00-3	Chloroethane	ND	150	

67-66-3	Chloroform	ND	150
74-87-3	Chloromethane	ND	150
124-48-1	Dibromochloromethane	ND	150
74-95-3	Dibromomethane	ND	150
75-71-8	Dichlorodifluoromethane	ND	150
60-29-7	Ethyl Ether	ND	150
100-41-4	Ethylbenzene	690	150
87-68-3	Hexachlorobutadiene	ND	150
98-82-8	Isopropylbenzene	220	150
108-38-3/106-42-1	M/P Xylene	3400	300
1634-04-4	Methyl-t-Butyl Ether	ND	150
75-09-2	Methylene Chloride	ND	150
104-51-8	N-Butylbenzene	260	150
103-65-1	N-Propylbenzene	310	150
91-20-3	Naphthalene	3500	150
95-47-6	Ortho Xylene	2500	150
99-87-6	Para-Isopropyltoluene	180	150
135-98-8	Sec-Butylbenzene	ND	150
100-42-5	Styrene	ND	150
98-06-6	Tert-Butylbenzene	ND	150
127-18-4	Tetrachloroethylene	ND	150
109-99-9	Tetrahydrofuran	ND	150
108-88-3	Toluene	3000	150
156-60-5	Trans-1,2-Dichloroethylene	ND	150
79-01-6	Trichloroethylene	ND	150
75-69-4	Trichlorofluoromethane	ND	150
108-05-4	Vinyl Acetate	ND	150
75-01-4	Vinyl Chloride	ND	150
10061-01-5	c-1,3-dichloropropene	ND	150
156-59-2	cis-1,2-Dichloroethylene	ND	150
10061-02-6	t-1,3-Dichloropropene	ND	150

Surrogate Compounds

Surrogate Compounds	Recoveries (%)	QC Ranges
1,4-Bromofluorobenzene	99	78 - 111
1,2-Dichloroethane-D4	94	74 - 136
Toluene-D8	100	85 - 118

Comments: Tentatively Identified Compounds

Compound	Observed Conc. (ug/Kg)	Qualifier
Isobutane	4800	J
2-methylbutane	6000	J
2-methylpentane	5000	J
3-methylpentane	2300	J
methylcyclopentane	3700	J
Cyclohexane	2900	J
methylcyclopentane	9500	J

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

A & J Floral - Benton, ME

VOAs in Soil High Level Method

Client Sample ID: D30179
Date of Collection: 4/26/2011
Date of Extraction: 5/2/11
Date of Analysis: 5/2/11
Dry Weight Extracted: 7.371 grams
Wet Weight Extracted: 8.571 grams

Lab Sample ID: AB16944
Matrix: Soil
Volume Purged: 5 mL
Percent Solids: 86%
Extract Dilution: 50
pH: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	76	
71-55-6	1,1,1-Trichloroethane	ND	76	
79-34-5	1,1,2,2-Tetrachloroethane	ND	76	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	76	
79-00-5	1,1,2-Trichloroethane	ND	76	
75-35-4	1,1-Dichloroethylene	ND	76	
563-58-6	1,1-Dichloropropene	ND	76	
75-34-3	1,1-dichloroethane	ND	76	
87-61-6	1,2,3-Trichlorobenzene	ND	76	
96-18-4	1,2,3-Trichloropropane	ND	76	
120-82-1	1,2,4-Trichlorobenzene	ND	76	
95-63-6	1,2,4-Trimethylbenzene	ND	76	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	76	
106-93-4	1,2-Dibromoethane	ND	76	
95-50-1	1,2-Dichlorobenzene	ND	76	
107-06-2	1,2-Dichloroethane	ND	76	
78-87-5	1,2-Dichloropropane	ND	76	
108-67-8	1,3,5-Trimethylbenzene	ND	76	
541-73-1	1,3-Dichlorobenzene	ND	76	
142-28-9	1,3-Dichloropropane	ND	76	
106-46-7	1,4-Dichlorobenzene	ND	76	
594-20-7	2,2-Dichloropropane	ND	76	
78-93-3	2-Butanone (MEK)	ND	76	
95-49-8	2-Chlorotoluene	ND	76	
591-78-6	2-Hexanone	ND	76	
67-64-1	2-Propanone (acetone)	ND	76	
106-43-4	4-Chlorotoluene	ND	76	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	76	
107-13-1	Acrylonitrile	ND	76	
71-43-2	Benzene	ND	76	
108-86-1	Bromobenzene	ND	76	
74-97-5	Bromochloromethane	ND	76	
75-27-4	Bromodichloromethane	ND	76	
75-25-2	Bromoform	ND	76	
74-83-9	Bromomethane	ND	76	
75-15-0	Carbon Disulfide	ND	76	
56-23-5	Carbon tetrachloride	ND	76	
108-90-7	Chlorobenzene	ND	76	
75-00-3	Chloroethane	ND	76	

67-66-3	Chloroform	ND	76
74-87-3	Chloromethane	ND	76
124-48-1	Dibromochloromethane	ND	76
74-95-3	Dibromomethane	ND	76
75-71-8	Dichlorodifluoromethane	ND	76
60-29-7	Ethyl Ether	ND	76
100-41-4	Ethylbenzene	ND	76
87-68-3	Hexachlorobutadiene	ND	76
98-82-8	Isopropylbenzene	ND	76
108-38-3/106-42-	M/P Xylene	ND	150
1634-04-4	Methyl-t-Butyl Ether	ND	76
75-09-2	Methylene Chloride	ND	76
104-51-8	N-Butylbenzene	ND	76
103-65-1	N-Propylbenzene	ND	76
91-20-3	Naphthalene	ND	76
95-47-6	Ortho Xylene	ND	76
99-87-6	Para-Isopropyltoluene	ND	76
135-98-8	Sec-Butylbenzene	ND	76
100-42-5	Styrene	ND	76
98-06-6	Tert-Butylbenzene	ND	76
127-18-4	Tetrachloroethylene	ND	76
109-99-9	Tetrahydrofuran	ND	76
108-88-3	Toluene	ND	76
156-60-5	Trans-1,2-Dichloroethylene	ND	76
79-01-6	Trichloroethylene	ND	76
75-69-4	Trichlorofluoromethane	ND	76
108-05-4	Vinyl Acetate	ND	76
75-01-4	Vinyl Chloride	ND	76
10061-01-5	c-1,3-dichloropropene	ND	76
156-59-2	cis-1,2-Dichloroethylene	ND	76
10061-02-6	t-1,3-Dichloropropene	ND	76

Surrogate Compounds

1,4-Bromofluorobenzene
1,2-Dichloroethane-D4
Toluene-D8

Recoveries (%)

97
92
100

QC Ranges

78 - 111
74 - 136
85 - 118

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

A & J Floral - Benton, ME

VOAs in Soil High Level Method

Client Sample ID: D30184
Date of Collection: 4/26/2011
Date of Extraction: 5/2/11
Date of Analysis: 5/2/11
Dry Weight Extracted: 6.303 grams
Wet Weight Extracted: 10.867 grams

Lab Sample ID: AB16949
Matrix: Soil
Volume Purged: 5 mL
Percent Solids: 58%
Extract Dilution: 50
pH: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	120	
71-55-6	1,1,1-Trichloroethane	ND	120	
79-34-5	1,1,2,2-Tetrachloroethane	ND	120	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	120	
79-00-5	1,1,2-Trichloroethane	ND	120	
75-35-4	1,1-Dichloroethylene	ND	120	
563-58-6	1,1-Dichloropropene	ND	120	
75-34-3	1,1-dichloroethane	ND	120	
87-61-6	1,2,3-Trichlorobenzene	ND	120	
96-18-4	1,2,3-Trichloropropane	ND	120	
120-82-1	1,2,4-Trichlorobenzene	ND	120	
95-63-6	1,2,4-Trimethylbenzene	ND	120	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	120	
106-93-4	1,2-Dibromoethane	ND	120	
95-50-1	1,2-Dichlorobenzene	ND	120	
107-06-2	1,2-Dichloroethane	ND	120	
78-87-5	1,2-Dichloropropane	ND	120	
108-67-8	1,3,5-Trimethylbenzene	ND	120	
541-73-1	1,3-Dichlorobenzene	ND	120	
142-28-9	1,3-Dichloropropane	ND	120	
106-46-7	1,4-Dichlorobenzene	ND	120	
594-20-7	2,2-Dichloropropane	ND	120	
78-93-3	2-Butanone (MEK)	ND	120	
95-49-8	2-Chlorotoluene	ND	120	
591-78-6	2-Hexanone	ND	120	
67-64-1	2-Propanone (acetone)	ND	120	
106-43-4	4-Chlorotoluene	ND	120	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	120	
107-13-1	Acrylonitrile	ND	120	
71-43-2	Benzene	ND	120	
108-86-1	Bromobenzene	ND	120	
74-97-5	Bromochloromethane	ND	120	
75-27-4	Bromodichloromethane	ND	120	
75-25-2	Bromoform	ND	120	
74-83-9	Bromomethane	ND	120	
75-15-0	Carbon Disulfide	ND	120	
56-23-5	Carbon tetrachloride	ND	120	
108-90-7	Chlorobenzene	ND	120	
75-00-3	Chloroethane	ND	120	

67-66-3	Chloroform	ND	120
74-87-3	Chloromethane	ND	120
124-48-1	Dibromochloromethane	ND	120
74-95-3	Dibromomethane	ND	120
75-71-8	Dichlorodifluoromethane	ND	120
60-29-7	Ethyl Ether	ND	120
100-41-4	Ethylbenzene	ND	120
87-68-3	Hexachlorobutadiene	ND	120
98-82-8	Isopropylbenzene	ND	120
108-38-3/106-42-	M/P Xylene	ND	230
1634-04-4	Methyl-t-Butyl Ether	ND	120
75-09-2	Methylene Chloride	ND	120
104-51-8	N-Butylbenzene	ND	120
103-65-1	N-Propylbenzene	ND	120
91-20-3	Naphthalene	ND	120
95-47-6	Ortho Xylene	ND	120
99-87-6	Para-Isopropyltoluene	ND	120
135-98-8	Sec-Butylbenzene	ND	120
100-42-5	Styrene	ND	120
98-06-6	Tert-Butylbenzene	ND	120
127-18-4	Tetrachloroethylene	ND	120
109-99-9	Tetrahydrofuran	ND	120
108-88-3	Toluene	ND	120
156-60-5	Trans-1,2-Dichloroethylene	ND	120
79-01-6	Trichloroethylene	ND	120
75-69-4	Trichlorofluoromethane	ND	120
108-05-4	Vinyl Acetate	ND	120
75-01-4	Vinyl Chloride	ND	120
10061-01-5	c-1,3-dichloropropene	ND	120
156-59-2	cis-1,2-Dichloroethylene	ND	120
10061-02-6	t-1,3-Dichloropropene	ND	120

Surrogate Compounds

1,4-Bromofluorobenzene
1,2-Dichloroethane-D4
Toluene-D8

Recoveries (%)

97
93
99

QC Ranges

78 - 111
74 - 136
85 - 118

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

A & J Floral - Benton, ME

VOAs in Soil High Level Method

Client Sample ID: D30196
Date of Collection: 4/26/2011
Date of Extraction: 5/2/11
Date of Analysis: 5/2/11
Dry Weight Extracted: 6.840 grams
Wet Weight Extracted: 7.954 grams

Lab Sample ID: AB16961
Matrix: Soil
Volume Purged: 5 mL
Percent Solids: 86%
Extract Dilution: 50
pH: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	81	
71-55-6	1,1,1-Trichloroethane	ND	81	
79-34-5	1,1,2,2-Tetrachloroethane	ND	81	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	81	
79-00-5	1,1,2-Trichloroethane	ND	81	
75-35-4	1,1-Dichloroethylene	ND	81	
563-58-6	1,1-Dichloropropene	ND	81	
75-34-3	1,1-dichloroethane	ND	81	
87-61-6	1,2,3-Trichlorobenzene	ND	81	
96-18-4	1,2,3-Trichloropropane	ND	81	
120-82-1	1,2,4-Trichlorobenzene	ND	81	
95-63-6	1,2,4-Trimethylbenzene	ND	81	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	81	
106-93-4	1,2-Dibromoethane	ND	81	
95-50-1	1,2-Dichlorobenzene	ND	81	
107-06-2	1,2-Dichloroethane	ND	81	
78-87-5	1,2-Dichloropropane	ND	81	
108-67-8	1,3,5-Trimethylbenzene	ND	81	
541-73-1	1,3-Dichlorobenzene	ND	81	
142-28-9	1,3-Dichloropropane	ND	81	
106-46-7	1,4-Dichlorobenzene	ND	81	
594-20-7	2,2-Dichloropropane	ND	81	
78-93-3	2-Butanone (MEK)	ND	81	
95-49-8	2-Chlorotoluene	ND	81	
591-78-6	2-Hexanone	ND	81	
67-64-1	2-Propanone (acetone)	ND	81	
106-43-4	4-Chlorotoluene	ND	81	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	81	
107-13-1	Acrylonitrile	ND	81	
71-43-2	Benzene	ND	81	
108-86-1	Bromobenzene	ND	81	
74-97-5	Bromochloromethane	ND	81	
75-27-4	Bromodichloromethane	ND	81	
75-25-2	Bromoform	ND	81	
74-83-9	Bromomethane	ND	81	
75-15-0	Carbon Disulfide	ND	81	
56-23-5	Carbon tetrachloride	ND	81	
108-90-7	Chlorobenzene	ND	81	
75-00-3	Chloroethane	ND	81	

67-66-3	Chloroform	ND	81
74-87-3	Chloromethane	ND	81
124-48-1	Dibromochloromethane	ND	81
74-95-3	Dibromomethane	ND	81
75-71-8	Dichlorodifluoromethane	ND	81
60-29-7	Ethyl Ether	ND	81
100-41-4	Ethylbenzene	ND	81
87-68-3	Hexachlorobutadiene	ND	81
98-82-8	Isopropylbenzene	ND	81
108-38-3/106-42-	M/P Xylene	ND	160
1634-04-4	Methyl-t-Butyl Ether	ND	81
75-09-2	Methylene Chloride	ND	81
104-51-8	N-Butylbenzene	ND	81
103-65-1	N-Propylbenzene	ND	81
91-20-3	Naphthalene	ND	81
95-47-6	Ortho Xylene	ND	81
99-87-6	Para-Isopropyltoluene	ND	81
135-98-8	Sec-Butylbenzene	ND	81
100-42-5	Styrene	ND	81
98-06-6	Tert-Butylbenzene	ND	81
127-18-4	Tetrachloroethylene	ND	81
109-99-9	Tetrahydrofuran	ND	81
108-88-3	Toluene	ND	81
156-60-5	Trans-1,2-Dichloroethylene	ND	81
79-01-6	Trichloroethylene	ND	81
75-69-4	Trichlorofluoromethane	ND	81
108-05-4	Vinyl Acetate	ND	81
75-01-4	Vinyl Chloride	ND	81
10061-01-5	c-1,3-dichloropropene	ND	81
156-59-2	cis-1,2-Dichloroethylene	ND	81
10061-02-6	t-1,3-Dichloropropene	ND	81

Surrogate Compounds

Surrogate Compounds	Recoveries (%)	QC Ranges
1,4-Bromofluorobenzene	98	78 - 111
1,2-Dichloroethane-D4	94	74 - 136
Toluene-D8	100	85 - 118

Comments: Tentatively Identified Compounds

Compound	Observed Conc. (ug/Kg)	Qualifier
1-phenyl-1-butene	960	J
1,4-diethy-2-methylbenzene	1000	J
1,3-dimethyl-5-(1-methylbenzene)	1000	J
1,2,3,4-tetrahydro-naphthalene	850	J
1-(1-methylethenyl)-2- (1-methylethyl)-benzene	1200	J
1,2,3,4-tetrahydro-5- methyl-naphthalene	1100	J
2,3-dihydro-1,1,3-trimethyl- 1H-indene	840	J
2,7-dimethyl-naphthalene	930	J

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

A & J Floral - Benton, ME

VOAs in Soil High Level Method

Client Sample ID: D30197
Date of Collection: 4/26/2011
Date of Extraction: 5/2/11
Date of Analysis: 5/2/11
Dry Weight Extracted: 8.353 grams
Wet Weight Extracted: 9.944 grams

Lab Sample ID: AB16962
Matrix: Soil
Volume Purged: 5 mL
Percent Solids: 84%
Extract Dilution: 50
pH: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	69	
71-55-6	1,1,1-Trichloroethane	ND	69	
79-34-5	1,1,2,2-Tetrachloroethane	ND	69	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	69	
79-00-5	1,1,2-Trichloroethane	ND	69	
75-35-4	1,1-Dichloroethylene	ND	69	
563-58-6	1,1-Dichloropropene	ND	69	
75-34-3	1,1-dichloroethane	ND	69	
87-61-6	1,2,3-Trichlorobenzene	ND	69	
96-18-4	1,2,3-Trichloropropane	ND	69	
120-82-1	1,2,4-Trichlorobenzene	ND	69	
95-63-6	1,2,4-Trimethylbenzene	ND	69	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	69	
106-93-4	1,2-Dibromoethane	ND	69	
95-50-1	1,2-Dichlorobenzene	ND	69	
107-06-2	1,2-Dichloroethane	ND	69	
78-87-5	1,2-Dichloropropane	ND	69	
108-67-8	1,3,5-Trimethylbenzene	ND	69	
541-73-1	1,3-Dichlorobenzene	ND	69	
142-28-9	1,3-Dichloropropane	ND	69	
106-46-7	1,4-Dichlorobenzene	ND	69	
594-20-7	2,2-Dichloropropane	ND	69	
78-93-3	2-Butanone (MEK)	ND	69	
95-49-8	2-Chlorotoluene	ND	69	
591-78-6	2-Hexanone	ND	69	
67-64-1	2-Propanone (acetone)	ND	69	
106-43-4	4-Chlorotoluene	ND	69	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	69	
107-13-1	Acrylonitrile	ND	69	
71-43-2	Benzene	ND	69	
108-86-1	Bromobenzene	ND	69	
74-97-5	Bromochloromethane	ND	69	
75-27-4	Bromodichloromethane	ND	69	
75-25-2	Bromoform	ND	69	
74-83-9	Bromomethane	ND	69	
75-15-0	Carbon Disulfide	ND	69	
56-23-5	Carbon tetrachloride	ND	69	
108-90-7	Chlorobenzene	ND	69	
75-00-3	Chloroethane	ND	69	

67-66-3	Chloroform	ND	69
74-87-3	Chloromethane	ND	69
124-48-1	Dibromochloromethane	ND	69
74-95-3	Dibromomethane	ND	69
75-71-8	Dichlorodifluoromethane	ND	69
60-29-7	Ethyl Ether	ND	69
100-41-4	Ethylbenzene	ND	69
87-68-3	Hexachlorobutadiene	ND	69
98-82-8	Isopropylbenzene	ND	69
108-38-3/106-42-	M/P Xylene	ND	140
1634-04-4	Methyl-t-Butyl Ether	ND	69
75-09-2	Methylene Chloride	ND	69
104-51-8	N-Butylbenzene	ND	69
103-65-1	N-Propylbenzene	ND	69
91-20-3	Naphthalene	ND	69
95-47-6	Ortho Xylene	ND	69
99-87-6	Para-Isopropyltoluene	ND	69
135-98-8	Sec-Butylbenzene	ND	69
100-42-5	Styrene	ND	69
98-06-6	Tert-Butylbenzene	ND	69
127-18-4	Tetrachloroethylene	ND	69
109-99-9	Tetrahydrofuran	ND	69
108-88-3	Toluene	ND	69
156-60-5	Trans-1,2-Dichloroethylene	ND	69
79-01-6	Trichloroethylene	ND	69
75-69-4	Trichlorofluoromethane	ND	69
108-05-4	Vinyl Acetate	ND	69
75-01-4	Vinyl Chloride	ND	69
10061-01-5	c-1,3-dichloropropene	ND	69
156-59-2	cis-1,2-Dichloroethylene	ND	69
10061-02-6	t-1,3-Dichloropropene	ND	69

Surrogate Compounds	Recoveries (%)	QC Ranges
1,4-Bromofluorobenzene	96	78 - 111
1,2-Dichloroethane-D4	88	74 - 136
Toluene-D8	100	85 - 118

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

A & J Floral - Benton, ME

VOAs in Soil High Level Method

Client Sample ID: D30198
Date of Collection: 4/26/2011
Date of Extraction: 5/2/11
Date of Analysis: 5/2/11
Dry Weight Extracted: 5.261 grams
Wet Weight Extracted: 7.307 grams

Lab Sample ID: AB16963
Matrix: Soil
Volume Purged: 5 mL
Percent Solids: 72%
Extract Dilution: 50
pH: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	110	
71-55-6	1,1,1-Trichloroethane	ND	110	
79-34-5	1,1,2,2-Tetrachloroethane	ND	110	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	110	
79-00-5	1,1,2-Trichloroethane	ND	110	
75-35-4	1,1-Dichloroethylene	ND	110	
563-58-6	1,1-Dichloropropene	ND	110	
75-34-3	1,1-dichloroethane	ND	110	
87-61-6	1,2,3-Trichlorobenzene	ND	110	
96-18-4	1,2,3-Trichloropropane	ND	110	
120-82-1	1,2,4-Trichlorobenzene	ND	110	
95-63-6	1,2,4-Trimethylbenzene	ND	110	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	110	
106-93-4	1,2-Dibromoethane	ND	110	
95-50-1	1,2-Dichlorobenzene	ND	110	
107-06-2	1,2-Dichloroethane	ND	110	
78-87-5	1,2-Dichloropropane	ND	110	
108-67-8	1,3,5-Trimethylbenzene	ND	110	
541-73-1	1,3-Dichlorobenzene	ND	110	
142-28-9	1,3-Dichloropropane	ND	110	
106-46-7	1,4-Dichlorobenzene	ND	110	
594-20-7	2,2-Dichloropropane	ND	110	
78-93-3	2-Butanone (MEK)	ND	110	
95-49-8	2-Chlorotoluene	ND	110	
591-78-6	2-Hexanone	ND	110	
67-64-1	2-Propanone (acetone)	ND	110	
106-43-4	4-Chlorotoluene	ND	110	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	110	
107-13-1	Acrylonitrile	ND	110	
71-43-2	Benzene	ND	110	
108-86-1	Bromobenzene	ND	110	
74-97-5	Bromochloromethane	ND	110	
75-27-4	Bromodichloromethane	ND	110	
75-25-2	Bromoform	ND	110	
74-83-9	Bromomethane	ND	110	
75-15-0	Carbon Disulfide	ND	110	
56-23-5	Carbon tetrachloride	ND	110	
108-90-7	Chlorobenzene	ND	110	
75-00-3	Chloroethane	ND	110	

67-66-3	Chloroform	ND	110
74-87-3	Chloromethane	ND	110
124-48-1	Dibromochloromethane	ND	110
74-95-3	Dibromomethane	ND	110
75-71-8	Dichlorodifluoromethane	ND	110
60-29-7	Ethyl Ether	ND	110
100-41-4	Ethylbenzene	ND	110
87-68-3	Hexachlorobutadiene	ND	110
98-82-8	Isopropylbenzene	ND	110
108-38-3/106-42-1	M/P Xylene	ND	230
1634-04-4	Methyl-t-Butyl Ether	ND	110
75-09-2	Methylene Chloride	ND	110
104-51-8	N-Butylbenzene	ND	110
103-65-1	N-Propylbenzene	ND	110
91-20-3	Naphthalene	ND	110
95-47-6	Ortho Xylene	ND	110
99-87-6	Para-Isopropyltoluene	ND	110
135-98-8	Sec-Butylbenzene	ND	110
100-42-5	Styrene	ND	110
98-06-6	Tert-Butylbenzene	ND	110
127-18-4	Tetrachloroethylene	ND	110
109-99-9	Tetrahydrofuran	ND	110
108-88-3	Toluene	ND	110
156-60-5	Trans-1,2-Dichloroethylene	ND	110
79-01-6	Trichloroethylene	ND	110
75-69-4	Trichlorofluoromethane	ND	110
108-05-4	Vinyl Acetate	ND	110
75-01-4	Vinyl Chloride	ND	110
10061-01-5	c-1,3-dichloropropene	ND	110
156-59-2	cis-1,2-Dichloroethylene	ND	110
10061-02-6	t-1,3-Dichloropropene	ND	110

Surrogate Compounds	Recoveries (%)	QC Ranges
1,4-Bromofluorobenzene	95	78 - 111
1,2-Dichloroethane-D4	85	74 - 136
Toluene-D8	99	85 - 118

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

A & J Floral - Benton, ME

VOAs in Soil High Level Method

Client Sample ID: D30199
Date of Collection: 4/26/2011
Date of Extraction: 5/2/11
Date of Analysis: 5/2/11
Dry Weight Extracted: 5.150 grams
Wet Weight Extracted: 6.867 grams

Lab Sample ID: AB16964
Matrix: Soil
Volume Purged: 5 mL
Percent Solids: 75%
Extract Dilution: 50
pH: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	110	
71-55-6	1,1,1-Trichloroethane	ND	110	
79-34-5	1,1,2,2-Tetrachloroethane	ND	110	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	110	
79-00-5	1,1,2-Trichloroethane	ND	110	
75-35-4	1,1-Dichloroethylene	ND	110	
563-58-6	1,1-Dichloropropene	ND	110	
75-34-3	1,1-dichloroethane	ND	110	
87-61-6	1,2,3-Trichlorobenzene	ND	110	
96-18-4	1,2,3-Trichloropropane	ND	110	
120-82-1	1,2,4-Trichlorobenzene	ND	110	
95-63-6	1,2,4-Trimethylbenzene	ND	110	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	110	
106-93-4	1,2-Dibromoethane	ND	110	
95-50-1	1,2-Dichlorobenzene	ND	110	
107-06-2	1,2-Dichloroethane	ND	110	
78-87-5	1,2-Dichloropropane	ND	110	
108-67-8	1,3,5-Trimethylbenzene	ND	110	
541-73-1	1,3-Dichlorobenzene	ND	110	
142-28-9	1,3-Dichloropropane	ND	110	
106-46-7	1,4-Dichlorobenzene	ND	110	
594-20-7	2,2-Dichloropropane	ND	110	
78-93-3	2-Butanone (MEK)	ND	110	
95-49-8	2-Chlorotoluene	ND	110	
591-78-6	2-Hexanone	ND	110	
67-64-1	2-Propanone (acetone)	ND	110	
106-43-4	4-Chlorotoluene	ND	110	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	110	
107-13-1	Acrylonitrile	ND	110	
71-43-2	Benzene	ND	110	
108-86-1	Bromobenzene	ND	110	
74-97-5	Bromochloromethane	ND	110	
75-27-4	Bromodichloromethane	ND	110	
75-25-2	Bromoform	ND	110	
74-83-9	Bromomethane	ND	110	
75-15-0	Carbon Disulfide	ND	110	
56-23-5	Carbon tetrachloride	ND	110	
108-90-7	Chlorobenzene	ND	110	
75-00-3	Chloroethane	ND	110	

67-66-3	Chloroform	ND	110
74-87-3	Chloromethane	ND	110
124-48-1	Dibromochloromethane	ND	110
74-95-3	Dibromomethane	ND	110
75-71-8	Dichlorodifluoromethane	ND	110
60-29-7	Ethyl Ether	ND	110
100-41-4	Ethylbenzene	ND	110
87-68-3	Hexachlorobutadiene	ND	110
98-82-8	Isopropylbenzene	ND	110
108-38-3/106-42-1	M/P Xylene	ND	230
1634-04-4	Methyl-t-Butyl Ether	ND	110
75-09-2	Methylene Chloride	ND	110
104-51-8	N-Butylbenzene	ND	110
103-65-1	N-Propylbenzene	ND	110
91-20-3	Naphthalene	ND	110
95-47-6	Ortho Xylene	ND	110
99-87-6	Para-Isopropyltoluene	ND	110
135-98-8	Sec-Butylbenzene	ND	110
100-42-5	Styrene	ND	110
98-06-6	Tert-Butylbenzene	ND	110
127-18-4	Tetrachloroethylene	ND	110
109-99-9	Tetrahydrofuran	ND	110
108-88-3	Toluene	ND	110
156-60-5	Trans-1,2-Dichloroethylene	ND	110
79-01-6	Trichloroethylene	ND	110
75-69-4	Trichlorofluoromethane	ND	110
108-05-4	Vinyl Acetate	ND	110
75-01-4	Vinyl Chloride	ND	110
10061-01-5	c-1,3-dichloropropene	ND	110
156-59-2	cis-1,2-Dichloroethylene	ND	110
10061-02-6	t-1,3-Dichloropropene	ND	110

Surrogate Compounds	Recoveries (%)	QC Ranges
1,4-Bromofluorobenzene	93	78 - 111
1,2-Dichloroethane-D4	86	74 - 136
Toluene-D8	99	85 - 118

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

A & J Floral - Benton, ME

VOAs in Soil High Level Method

Client Sample ID: D30200
Date of Collection: 4/26/2011
Date of Extraction: 5/2/11
Date of Analysis: 5/2/11
Dry Weight Extracted: 3.461 grams
Wet Weight Extracted: 5.089 grams

Lab Sample ID: AB16965
Matrix: Soil
Volume Purged: 5 mL
Percent Solids: 68%
Extract Dilution: 50
pH: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	170	
71-55-6	1,1,1-Trichloroethane	ND	170	
79-34-5	1,1,2,2-Tetrachloroethane	ND	170	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	170	
79-00-5	1,1,2-Trichloroethane	ND	170	
75-35-4	1,1-Dichloroethylene	ND	170	
563-58-6	1,1-Dichloropropene	ND	170	
75-34-3	1,1-dichloroethane	ND	170	
87-61-6	1,2,3-Trichlorobenzene	ND	170	
96-18-4	1,2,3-Trichloropropane	ND	170	
120-82-1	1,2,4-Trichlorobenzene	ND	170	
95-63-6	1,2,4-Trimethylbenzene	ND	170	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	170	
106-93-4	1,2-Dibromoethane	ND	170	
95-50-1	1,2-Dichlorobenzene	ND	170	
107-06-2	1,2-Dichloroethane	ND	170	
78-87-5	1,2-Dichloropropane	ND	170	
108-67-8	1,3,5-Trimethylbenzene	ND	170	
541-73-1	1,3-Dichlorobenzene	ND	170	
142-28-9	1,3-Dichloropropane	ND	170	
106-46-7	1,4-Dichlorobenzene	ND	170	
594-20-7	2,2-Dichloropropane	ND	170	
78-93-3	2-Butanone (MEK)	ND	170	
95-49-8	2-Chlorotoluene	ND	170	
591-78-6	2-Hexanone	ND	170	
67-64-1	2-Propanone (acetone)	ND	170	
106-43-4	4-Chlorotoluene	ND	170	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	170	
107-13-1	Acrylonitrile	ND	170	
71-43-2	Benzene	ND	170	
108-86-1	Bromobenzene	ND	170	
74-97-5	Bromochloromethane	ND	170	
75-27-4	Bromodichloromethane	ND	170	
75-25-2	Bromoform	ND	170	
74-83-9	Bromomethane	ND	170	
75-15-0	Carbon Disulfide	ND	170	
56-23-5	Carbon tetrachloride	ND	170	
108-90-7	Chlorobenzene	ND	170	
75-00-3	Chloroethane	ND	170	

67-66-3	Chloroform	ND	170
74-87-3	Chloromethane	ND	170
124-48-1	Dibromochloromethane	ND	170
74-95-3	Dibromomethane	ND	170
75-71-8	Dichlorodifluoromethane	ND	170
60-29-7	Ethyl Ether	ND	170
100-41-4	Ethylbenzene	ND	170
87-68-3	Hexachlorobutadiene	ND	170
98-82-8	Isopropylbenzene	ND	170
108-38-3/106-42-	M/P Xylene	ND	340
1634-04-4	Methyl-t-Butyl Ether	ND	170
75-09-2	Methylene Chloride	ND	170
104-51-8	N-Butylbenzene	ND	170
103-65-1	N-Propylbenzene	ND	170
91-20-3	Naphthalene	ND	170
95-47-6	Ortho Xylene	ND	170
99-87-6	Para-Isopropyltoluene	ND	170
135-98-8	Sec-Butylbenzene	ND	170
100-42-5	Styrene	ND	170
98-06-6	Tert-Butylbenzene	ND	170
127-18-4	Tetrachloroethylene	ND	170
109-99-9	Tetrahydrofuran	ND	170
108-88-3	Toluene	ND	170
156-60-5	Trans-1,2-Dichloroethylene	ND	170
79-01-6	Trichloroethylene	ND	170
75-69-4	Trichlorofluoromethane	ND	170
108-05-4	Vinyl Acetate	ND	170
75-01-4	Vinyl Chloride	ND	170
10061-01-5	c-1,3-dichloropropene	ND	170
156-59-2	cis-1,2-Dichloroethylene	ND	170
10061-02-6	t-1,3-Dichloropropene	ND	170

Surrogate Compounds	Recoveries (%)	QC Ranges
1,4-Bromofluorobenzene	93	78 - 111
1,2-Dichloroethane-D4	85	74 - 136
Toluene-D8	100	85 - 118

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

A & J Floral - Benton, ME

Laboratory Blank

Client Sample ID:	N/A	Lab Sample ID:	N/A
Date of Collection:	N/A	Matrix	Soil
Date of Extraction:	5/2/11	Volume Purged:	5 mL
Date of Analysis:	5/2/11	Percent Solids:	N/A
Dry Weight Extracted:	N/A	Extract Dilution:	1
Wet Weight Extracted:	N/A	pH:	~6

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	
71-55-6	1,1,1-Trichloroethane	ND	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.0	
79-00-5	1,1,2-Trichloroethane	ND	1.0	
75-35-4	1,1-Dichloroethylene	ND	1.0	
563-58-6	1,1-Dichloropropene	ND	1.0	
75-34-3	1,1-dichloroethane	ND	1.0	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	
96-18-4	1,2,3-Trichloropropane	ND	1.0	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	1.0	
106-93-4	1,2-Dibromoethane	ND	1.0	
95-50-1	1,2-Dichlorobenzene	ND	1.0	
107-06-2	1,2-Dichloroethane	ND	1.0	
78-87-5	1,2-Dichloropropane	ND	1.0	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	
541-73-1	1,3-Dichlorobenzene	ND	1.0	
142-28-9	1,3-Dichloropropane	ND	1.0	
106-46-7	1,4-Dichlorobenzene	ND	1.0	
594-20-7	2,2-Dichloropropane	ND	1.0	
78-93-3	2-Butanone (MEK)	ND	1.0	
95-49-8	2-Chlorotoluene	ND	1.0	
591-78-6	2-Hexanone	ND	1.0	
67-64-1	2-Propanone (acetone)	ND	1.0	
106-43-4	4-Chlorotoluene	ND	1.0	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	1.0	
107-13-1	Acrylonitrile	ND	1.0	
71-43-2	Benzene	ND	1.0	
108-86-1	Bromobenzene	ND	1.0	
74-97-5	Bromochloromethane	ND	1.0	
75-27-4	Bromodichloromethane	ND	1.0	
75-25-2	Bromoform	ND	1.0	
74-83-9	Bromomethane	ND	1.0	
75-15-0	Carbon Disulfide	ND	1.0	
56-23-5	Carbon tetrachloride	ND	1.0	
108-90-7	Chlorobenzene	ND	1.0	
75-00-3	Chloroethane	ND	1.0	

67-66-3	Chloroform	ND	1.0
74-87-3	Chloromethane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
74-95-3	Dibromomethane	ND	1.0
75-71-8	Dichlorodifluoromethane	ND	1.0
60-29-7	Ethyl Ether	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
98-82-8	Isopropylbenzene	ND	1.0
108-38-3/106-42-	M/P Xylene	ND	2.0
1634-04-4	Methyl-t-Butyl Ether	ND	1.0
75-09-2	Methylene Chloride	ND	1.0
104-51-8	N-Butylbenzene	ND	1.0
103-65-1	N-Propylbenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
95-47-6	Ortho Xylene	ND	1.0
99-87-6	Para-Isopropyltoluene	ND	1.0
135-98-8	Sec-Butylbenzene	ND	1.0
100-42-5	Styrene	ND	1.0
98-06-6	Tert-Butylbenzene	ND	1.0
127-18-4	Tetrachloroethylene	ND	1.0
109-99-9	Tetrahydrofuran	ND	1.0
108-88-3	Toluene	ND	1.0
156-60-5	Trans-1,2-Dichloroethylene	ND	1.0
79-01-6	Trichloroethylene	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
108-05-4	Vinyl Acetate	ND	1.0
75-01-4	Vinyl Chloride	ND	1.0
10061-01-5	c-1,3-dichloropropene	ND	1.0
156-59-2	cis-1,2-Dichloroethylene	ND	1.0
10061-02-6	t-1,3-Dichloropropene	ND	1.0

Surrogate Compounds	Recoveries (%)	QC Ranges
1,2-Dichloroethane-D4	86	74 - 136
Toluene-D8	99	85 - 118
1,4-Bromofluorobenzene	94	78 - 111

Comments: Laboratory blank is reported in ug/L.

Laboratory blank is associated with samples AB16965 - AB16975.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

A & J Floral - Benton, ME

VOAs in Soil High Level Method

Client Sample ID: D30201
Date of Collection: 4/26/2011
Date of Extraction: 5/2/11
Date of Analysis: 5/2/11
Dry Weight Extracted: 7.424 grams
Wet Weight Extracted: 9.899 grams

Lab Sample ID: AB16966
Matrix: Soil
Volume Purged: 5 mL
Percent Solids: 75%
Extract Dilution: 50
pH: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	84	
71-55-6	1,1,1-Trichloroethane	ND	84	
79-34-5	1,1,2,2-Tetrachloroethane	ND	84	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	84	
79-00-5	1,1,2-Trichloroethane	ND	84	
75-35-4	1,1-Dichloroethylene	ND	84	
563-58-6	1,1-Dichloropropene	ND	84	
75-34-3	1,1-dichloroethane	ND	84	
87-61-6	1,2,3-Trichlorobenzene	ND	84	
96-18-4	1,2,3-Trichloropropane	ND	84	
120-82-1	1,2,4-Trichlorobenzene	ND	84	
95-63-6	1,2,4-Trimethylbenzene	ND	84	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	84	
106-93-4	1,2-Dibromoethane	ND	84	
95-50-1	1,2-Dichlorobenzene	ND	84	
107-06-2	1,2-Dichloroethane	ND	84	
78-87-5	1,2-Dichloropropane	ND	84	
108-67-8	1,3,5-Trimethylbenzene	ND	84	
541-73-1	1,3-Dichlorobenzene	ND	84	
142-28-9	1,3-Dichloropropane	ND	84	
106-46-7	1,4-Dichlorobenzene	ND	84	
594-20-7	2,2-Dichloropropane	ND	84	
78-93-3	2-Butanone (MEK)	ND	84	
95-49-8	2-Chlorotoluene	ND	84	
591-78-6	2-Hexanone	ND	84	
67-64-1	2-Propanone (acetone)	ND	84	
106-43-4	4-Chlorotoluene	ND	84	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	84	
107-13-1	Acrylonitrile	ND	84	
71-43-2	Benzene	ND	84	
108-86-1	Bromobenzene	ND	84	
74-97-5	Bromochloromethane	ND	84	
75-27-4	Bromodichloromethane	ND	84	
75-25-2	Bromoform	ND	84	
74-83-9	Bromomethane	ND	84	
75-15-0	Carbon Disulfide	ND	84	
56-23-5	Carbon tetrachloride	ND	84	
108-90-7	Chlorobenzene	ND	84	
75-00-3	Chloroethane	ND	84	

67-66-3	Chloroform	ND	84
74-87-3	Chloromethane	ND	84
124-48-1	Dibromochloromethane	ND	84
74-95-3	Dibromomethane	ND	84
75-71-8	Dichlorodifluoromethane	ND	84
60-29-7	Ethyl Ether	ND	84
100-41-4	Ethylbenzene	ND	84
87-68-3	Hexachlorobutadiene	ND	84
98-82-8	Isopropylbenzene	ND	84
108-38-3/106-42-1	M/P Xylene	ND	170
1634-04-4	Methyl-t-Butyl Ether	ND	84
75-09-2	Methylene Chloride	ND	84
104-51-8	N-Butylbenzene	ND	84
103-65-1	N-Propylbenzene	ND	84
91-20-3	Naphthalene	ND	84
95-47-6	Ortho Xylene	ND	84
99-87-6	Para-Isopropyltoluene	ND	84
135-98-8	Sec-Butylbenzene	ND	84
100-42-5	Styrene	ND	84
98-06-6	Tert-Butylbenzene	ND	84
127-18-4	Tetrachloroethylene	ND	84
109-99-9	Tetrahydrofuran	ND	84
108-88-3	Toluene	ND	84
156-60-5	Trans-1,2-Dichloroethylene	ND	84
79-01-6	Trichloroethylene	ND	84
75-69-4	Trichlorofluoromethane	ND	84
108-05-4	Vinyl Acetate	ND	84
75-01-4	Vinyl Chloride	ND	84
10061-01-5	c-1,3-dichloropropene	ND	84
156-59-2	cis-1,2-Dichloroethylene	ND	84
10061-02-6	t-1,3-Dichloropropene	ND	84

Surrogate Compounds

1,4-Bromofluorobenzene
1,2-Dichloroethane-D4
Toluene-D8

Recoveries (%)

94
85
99

QC Ranges

78 - 111
74 - 136
85 - 118

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

A & J Floral - Benton, ME

VOAs in Soil High Level Method

Client Sample ID: D30202
Date of Collection: 4/26/2011
Date of Extraction: 5/2/11
Date of Analysis: 5/2/11
Dry Weight Extracted: 4.418 grams
Wet Weight Extracted: 7.013 grams

Lab Sample ID: AB16967
Matrix: Soil
Volume Purged: 5 mL
Percent Solids: 63%
Extract Dilution: 50
pH: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	140	
71-55-6	1,1,1-Trichloroethane	ND	140	
79-34-5	1,1,2,2-Tetrachloroethane	ND	140	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	140	
79-00-5	1,1,2-Trichloroethane	ND	140	
75-35-4	1,1-Dichloroethylene	ND	140	
563-58-6	1,1-Dichloropropene	ND	140	
75-34-3	1,1-dichloroethane	ND	140	
87-61-6	1,2,3-Trichlorobenzene	ND	140	
96-18-4	1,2,3-Trichloropropane	ND	140	
120-82-1	1,2,4-Trichlorobenzene	ND	140	
95-63-6	1,2,4-Trimethylbenzene	ND	140	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	140	
106-93-4	1,2-Dibromoethane	ND	140	
95-50-1	1,2-Dichlorobenzene	ND	140	
107-06-2	1,2-Dichloroethane	ND	140	
78-87-5	1,2-Dichloropropane	ND	140	
108-67-8	1,3,5-Trimethylbenzene	ND	140	
541-73-1	1,3-Dichlorobenzene	ND	140	
142-28-9	1,3-Dichloropropane	ND	140	
106-46-7	1,4-Dichlorobenzene	ND	140	
594-20-7	2,2-Dichloropropane	ND	140	
78-93-3	2-Butanone (MEK)	ND	140	
95-49-8	2-Chlorotoluene	ND	140	
591-78-6	2-Hexanone	ND	140	
67-64-1	2-Propanone (acetone)	ND	140	
106-43-4	4-Chlorotoluene	ND	140	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	140	
107-13-1	Acrylonitrile	ND	140	
71-43-2	Benzene	ND	140	
108-86-1	Bromobenzene	ND	140	
74-97-5	Bromochloromethane	ND	140	
75-27-4	Bromodichloromethane	ND	140	
75-25-2	Bromoform	ND	140	
74-83-9	Bromomethane	ND	140	
75-15-0	Carbon Disulfide	ND	140	
56-23-5	Carbon tetrachloride	ND	140	
108-90-7	Chlorobenzene	ND	140	
75-00-3	Chloroethane	ND	140	

67-66-3	Chloroform	ND	140
74-87-3	Chloromethane	ND	140
124-48-1	Dibromochloromethane	ND	140
74-95-3	Dibromomethane	ND	140
75-71-8	Dichlorodifluoromethane	ND	140
60-29-7	Ethyl Ether	ND	140
100-41-4	Ethylbenzene	ND	140
87-68-3	Hexachlorobutadiene	ND	140
98-82-8	Isopropylbenzene	ND	140
108-38-3/106-42-	M/P Xylene	ND	290
1634-04-4	Methyl-t-Butyl Ether	ND	140
75-09-2	Methylene Chloride	ND	140
104-51-8	N-Butylbenzene	ND	140
103-65-1	N-Propylbenzene	ND	140
91-20-3	Naphthalene	ND	140
95-47-6	Ortho Xylene	ND	140
99-87-6	Para-Isopropyltoluene	ND	140
135-98-8	Sec-Butylbenzene	ND	140
100-42-5	Styrene	ND	140
98-06-6	Tert-Butylbenzene	ND	140
127-18-4	Tetrachloroethylene	ND	140
109-99-9	Tetrahydrofuran	ND	140
108-88-3	Toluene	ND	140
156-60-5	Trans-1,2-Dichloroethylene	ND	140
79-01-6	Trichloroethylene	ND	140
75-69-4	Trichlorofluoromethane	ND	140
108-05-4	Vinyl Acetate	ND	140
75-01-4	Vinyl Chloride	ND	140
10061-01-5	c-1,3-dichloropropene	ND	140
156-59-2	cis-1,2-Dichloroethylene	ND	140
10061-02-6	t-1,3-Dichloropropene	ND	140

Surrogate Compounds

Surrogate Compounds	Recoveries (%)	QC Ranges
1,4-Bromofluorobenzene	94	78 - 111
1,2-Dichloroethane-D4	85	74 - 136
Toluene-D8	99	85 - 118

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

A & J Floral - Benton, ME

VOAs in Soil High Level Method

Client Sample ID: D30203
Date of Collection: 4/26/2011
Date of Extraction: 5/2/11
Date of Analysis: 5/2/11
Dry Weight Extracted: 5.796 grams
Wet Weight Extracted: 8.164 grams

Lab Sample ID: AB16968
Matrix: Soil
Volume Purged: 5 mL
Percent Solids: 71%
Extract Dilution: 50
pH: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	110	
71-55-6	1,1,1-Trichloroethane	ND	110	
79-34-5	1,1,2,2-Tetrachloroethane	ND	110	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	110	
79-00-5	1,1,2-Trichloroethane	ND	110	
75-35-4	1,1-Dichloroethylene	ND	110	
563-58-6	1,1-Dichloropropene	ND	110	
75-34-3	1,1-dichloroethane	ND	110	
87-61-6	1,2,3-Trichlorobenzene	ND	110	
96-18-4	1,2,3-Trichloropropane	ND	110	
120-82-1	1,2,4-Trichlorobenzene	ND	110	
95-63-6	1,2,4-Trimethylbenzene	ND	110	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	110	
106-93-4	1,2-Dibromoethane	ND	110	
95-50-1	1,2-Dichlorobenzene	ND	110	
107-06-2	1,2-Dichloroethane	ND	110	
78-87-5	1,2-Dichloropropane	ND	110	
108-67-8	1,3,5-Trimethylbenzene	ND	110	
541-73-1	1,3-Dichlorobenzene	ND	110	
142-28-9	1,3-Dichloropropane	ND	110	
106-46-7	1,4-Dichlorobenzene	ND	110	
594-20-7	2,2-Dichloropropane	ND	110	
78-93-3	2-Butanone (MEK)	ND	110	
95-49-8	2-Chlorotoluene	ND	110	
591-78-6	2-Hexanone	ND	110	
67-64-1	2-Propanone (acetone)	ND	110	
106-43-4	4-Chlorotoluene	ND	110	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	110	
107-13-1	Acrylonitrile	ND	110	
71-43-2	Benzene	ND	110	
108-86-1	Bromobenzene	ND	110	
74-97-5	Bromochloromethane	ND	110	
75-27-4	Bromodichloromethane	ND	110	
75-25-2	Bromoform	ND	110	
74-83-9	Bromomethane	ND	110	
75-15-0	Carbon Disulfide	ND	110	
56-23-5	Carbon tetrachloride	ND	110	
108-90-7	Chlorobenzene	ND	110	
75-00-3	Chloroethane	ND	110	

67-66-3	Chloroform	ND	110
74-87-3	Chloromethane	ND	110
124-48-1	Dibromochloromethane	ND	110
74-95-3	Dibromomethane	ND	110
75-71-8	Dichlorodifluoromethane	ND	110
60-29-7	Ethyl Ether	ND	110
100-41-4	Ethylbenzene	ND	110
87-68-3	Hexachlorobutadiene	ND	110
98-82-8	Isopropylbenzene	ND	110
108-38-3/106-42-	M/P Xylene	ND	210
1634-04-4	Methyl-t-Butyl Ether	ND	110
75-09-2	Methylene Chloride	ND	110
104-51-8	N-Butylbenzene	ND	110
103-65-1	N-Propylbenzene	ND	110
91-20-3	Naphthalene	ND	110
95-47-6	Ortho Xylene	ND	110
99-87-6	Para-Isopropyltoluene	ND	110
135-98-8	Sec-Butylbenzene	ND	110
100-42-5	Styrene	ND	110
98-06-6	Tert-Butylbenzene	ND	110
127-18-4	Tetrachloroethylene	ND	110
109-99-9	Tetrahydrofuran	ND	110
108-88-3	Toluene	ND	110
156-60-5	Trans-1,2-Dichloroethylene	ND	110
79-01-6	Trichloroethylene	ND	110
75-69-4	Trichlorofluoromethane	ND	110
108-05-4	Vinyl Acetate	ND	110
75-01-4	Vinyl Chloride	ND	110
10061-01-5	c-1,3-dichloropropene	ND	110
156-59-2	cis-1,2-Dichloroethylene	ND	110
10061-02-6	t-1,3-Dichloropropene	ND	110

Surrogate Compounds

1,4-Bromofluorobenzene
1,2-Dichloroethane-D4
Toluene-D8

Recoveries (%)

94
87
99

QC Ranges

78 - 111
74 - 136
85 - 118

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

A & J Floral - Benton, ME

VOAs in Soil High Level Method

Client Sample ID: D30204
Date of Collection: 4/26/2011
Date of Extraction: 5/2/11
Date of Analysis: 5/2/11
Dry Weight Extracted: 7.252 grams
Wet Weight Extracted: 7.634 grams

Lab Sample ID: AB16969
Matrix: Soil
Volume Purged: 5 mL
Percent Solids: 95%
Extract Dilution: 50
pH: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	72	
71-55-6	1,1,1-Trichloroethane	ND	72	
79-34-5	1,1,2,2-Tetrachloroethane	ND	72	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	72	
79-00-5	1,1,2-Trichloroethane	ND	72	
75-35-4	1,1-Dichloroethylene	ND	72	
563-58-6	1,1-Dichloropropene	ND	72	
75-34-3	1,1-dichloroethane	ND	72	
87-61-6	1,2,3-Trichlorobenzene	ND	72	
96-18-4	1,2,3-Trichloropropane	ND	72	
120-82-1	1,2,4-Trichlorobenzene	ND	72	
95-63-6	1,2,4-Trimethylbenzene	ND	72	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	72	
106-93-4	1,2-Dibromoethane	ND	72	
95-50-1	1,2-Dichlorobenzene	ND	72	
107-06-2	1,2-Dichloroethane	ND	72	
78-87-5	1,2-Dichloropropane	ND	72	
108-67-8	1,3,5-Trimethylbenzene	ND	72	
541-73-1	1,3-Dichlorobenzene	ND	72	
142-28-9	1,3-Dichloropropane	ND	72	
106-46-7	1,4-Dichlorobenzene	ND	72	
594-20-7	2,2-Dichloropropane	ND	72	
78-93-3	2-Butanone (MEK)	ND	72	
95-49-8	2-Chlorotoluene	ND	72	
591-78-6	2-Hexanone	ND	72	
67-64-1	2-Propanone (acetone)	ND	72	
106-43-4	4-Chlorotoluene	ND	72	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	72	
107-13-1	Acrylonitrile	ND	72	
71-43-2	Benzene	ND	72	
108-86-1	Bromobenzene	ND	72	
74-97-5	Bromochloromethane	ND	72	
75-27-4	Bromodichloromethane	ND	72	
75-25-2	Bromoform	ND	72	
74-83-9	Bromomethane	ND	72	
75-15-0	Carbon Disulfide	ND	72	
56-23-5	Carbon tetrachloride	ND	72	
108-90-7	Chlorobenzene	ND	72	
75-00-3	Chloroethane	ND	72	

67-66-3	Chloroform	ND	72
74-87-3	Chloromethane	ND	72
124-48-1	Dibromochloromethane	ND	72
74-95-3	Dibromomethane	ND	72
75-71-8	Dichlorodifluoromethane	ND	72
60-29-7	Ethyl Ether	ND	72
100-41-4	Ethylbenzene	ND	72
87-68-3	Hexachlorobutadiene	ND	72
98-82-8	Isopropylbenzene	ND	72
108-38-3/106-42-	M/P Xylene	ND	140
1634-04-4	Methyl-t-Butyl Ether	ND	72
75-09-2	Methylene Chloride	ND	72
104-51-8	N-Butylbenzene	ND	72
103-65-1	N-Propylbenzene	ND	72
91-20-3	Naphthalene	ND	72
95-47-6	Ortho Xylene	ND	72
99-87-6	Para-Isopropyltoluene	ND	72
135-98-8	Sec-Butylbenzene	ND	72
100-42-5	Styrene	ND	72
98-06-6	Tert-Butylbenzene	ND	72
127-18-4	Tetrachloroethylene	ND	72
109-99-9	Tetrahydrofuran	ND	72
108-88-3	Toluene	ND	72
156-60-5	Trans-1,2-Dichloroethylene	ND	72
79-01-6	Trichloroethylene	ND	72
75-69-4	Trichlorofluoromethane	ND	72
108-05-4	Vinyl Acetate	ND	72
75-01-4	Vinyl Chloride	ND	72
10061-01-5	c-1,3-dichloropropene	ND	72
156-59-2	cis-1,2-Dichloroethylene	ND	72
10061-02-6	t-1,3-Dichloropropene	ND	72

Surrogate Compounds	Recoveries (%)	QC Ranges
1,4-Bromofluorobenzene	94	78 - 111
1,2-Dichloroethane-D4	86	74 - 136
Toluene-D8	100	85 - 118

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

A & J Floral - Benton, ME

VOAs in Soil High Level Method

Client Sample ID: D30205
Date of Collection: 4/26/2011
Date of Extraction: 5/2/11
Date of Analysis: 5/2/11
Dry Weight Extracted: 9.149 grams
Wet Weight Extracted: 9.336 grams

Lab Sample ID: AB16970
Matrix: Soil
Volume Purged: 5 mL
Percent Solids: 98%
Extract Dilution: 50
pH: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	56	
71-55-6	1,1,1-Trichloroethane	ND	56	
79-34-5	1,1,2,2-Tetrachloroethane	ND	56	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	56	
79-00-5	1,1,2-Trichloroethane	ND	56	
75-35-4	1,1-Dichloroethylene	ND	56	
563-58-6	1,1-Dichloropropene	ND	56	
75-34-3	1,1-dichloroethane	ND	56	
87-61-6	1,2,3-Trichlorobenzene	ND	56	
96-18-4	1,2,3-Trichloropropane	ND	56	
120-82-1	1,2,4-Trichlorobenzene	ND	56	
95-63-6	1,2,4-Trimethylbenzene	ND	56	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	56	
106-93-4	1,2-Dibromoethane	ND	56	
95-50-1	1,2-Dichlorobenzene	ND	56	
107-06-2	1,2-Dichloroethane	ND	56	
78-87-5	1,2-Dichloropropane	ND	56	
108-67-8	1,3,5-Trimethylbenzene	ND	56	
541-73-1	1,3-Dichlorobenzene	ND	56	
142-28-9	1,3-Dichloropropane	ND	56	
106-46-7	1,4-Dichlorobenzene	ND	56	
594-20-7	2,2-Dichloropropane	ND	56	
78-93-3	2-Butanone (MEK)	ND	56	
95-49-8	2-Chlorotoluene	ND	56	
591-78-6	2-Hexanone	ND	56	
67-64-1	2-Propanone (acetone)	ND	56	
106-43-4	4-Chlorotoluene	ND	56	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	56	
107-13-1	Acrylonitrile	ND	56	
71-43-2	Benzene	ND	56	
108-86-1	Bromobenzene	ND	56	
74-97-5	Bromochloromethane	ND	56	
75-27-4	Bromodichloromethane	ND	56	
75-25-2	Bromoform	ND	56	
74-83-9	Bromomethane	ND	56	
75-15-0	Carbon Disulfide	ND	56	
56-23-5	Carbon tetrachloride	ND	56	
108-90-7	Chlorobenzene	ND	56	
75-00-3	Chloroethane	ND	56	

67-66-3	Chloroform	ND	56
74-87-3	Chloromethane	ND	56
124-48-1	Dibromochloromethane	ND	56
74-95-3	Dibromomethane	ND	56
75-71-8	Dichlorodifluoromethane	ND	56
60-29-7	Ethyl Ether	ND	56
100-41-4	Ethylbenzene	ND	56
87-68-3	Hexachlorobutadiene	ND	56
98-82-8	Isopropylbenzene	ND	56
108-38-3/106-42-	M/P Xylene	ND	110
1634-04-4	Methyl-t-Butyl Ether	ND	56
75-09-2	Methylene Chloride	ND	56
104-51-8	N-Butylbenzene	ND	56
103-65-1	N-Propylbenzene	ND	56
91-20-3	Naphthalene	ND	56
95-47-6	Ortho Xylene	ND	56
99-87-6	Para-Isopropyltoluene	ND	56
135-98-8	Sec-Butylbenzene	ND	56
100-42-5	Styrene	ND	56
98-06-6	Tert-Butylbenzene	ND	56
127-18-4	Tetrachloroethylene	ND	56
109-99-9	Tetrahydrofuran	ND	56
108-88-3	Toluene	ND	56
156-60-5	Trans-1,2-Dichloroethylene	ND	56
79-01-6	Trichloroethylene	ND	56
75-69-4	Trichlorofluoromethane	ND	56
108-05-4	Vinyl Acetate	ND	56
75-01-4	Vinyl Chloride	ND	56
10061-01-5	c-1,3-dichloropropene	ND	56
156-59-2	cis-1,2-Dichloroethylene	ND	56
10061-02-6	t-1,3-Dichloropropene	ND	56

Surrogate Compounds

Surrogate Compounds	Recoveries (%)	QC Ranges
1,4-Bromofluorobenzene	93	78 - 111
1,2-Dichloroethane-D4	86	74 - 136
Toluene-D8	100	85 - 118

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

A & J Floral - Benton, ME

VOAs in Soil High Level Method

Client Sample ID: D30206
Date of Collection: 4/26/2011
Date of Extraction: 5/2/11
Date of Analysis: 5/2/11
Dry Weight Extracted: 6.240 grams
Wet Weight Extracted: 8.914 grams

Lab Sample ID: AB16971
Matrix: Soil
Volume Purged: 5 mL
Percent Solids: 70%
Extract Dilution: 50
pH: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	100	
71-55-6	1,1,1-Trichloroethane	ND	100	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	100	
79-00-5	1,1,2-Trichloroethane	ND	100	
75-35-4	1,1-Dichloroethylene	ND	100	
563-58-6	1,1-Dichloropropene	ND	100	
75-34-3	1,1-dichloroethane	ND	100	
87-61-6	1,2,3-Trichlorobenzene	ND	100	
96-18-4	1,2,3-Trichloropropane	ND	100	
120-82-1	1,2,4-Trichlorobenzene	ND	100	
95-63-6	1,2,4-Trimethylbenzene	ND	100	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	100	
106-93-4	1,2-Dibromoethane	ND	100	
95-50-1	1,2-Dichlorobenzene	ND	100	
107-06-2	1,2-Dichloroethane	ND	100	
78-87-5	1,2-Dichloropropane	ND	100	
108-67-8	1,3,5-Trimethylbenzene	ND	100	
541-73-1	1,3-Dichlorobenzene	ND	100	
142-28-9	1,3-Dichloropropane	ND	100	
106-46-7	1,4-Dichlorobenzene	ND	100	
594-20-7	2,2-Dichloropropane	ND	100	
78-93-3	2-Butanone (MEK)	ND	100	
95-49-8	2-Chlorotoluene	ND	100	
591-78-6	2-Hexanone	ND	100	
67-64-1	2-Propanone (acetone)	ND	100	
106-43-4	4-Chlorotoluene	ND	100	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	100	
107-13-1	Acrylonitrile	ND	100	
71-43-2	Benzene	ND	100	
108-86-1	Bromobenzene	ND	100	
74-97-5	Bromochloromethane	ND	100	
75-27-4	Bromodichloromethane	ND	100	
75-25-2	Bromoform	ND	100	
74-83-9	Bromomethane	ND	100	
75-15-0	Carbon Disulfide	ND	100	
56-23-5	Carbon tetrachloride	ND	100	
108-90-7	Chlorobenzene	ND	100	
75-00-3	Chloroethane	ND	100	

67-66-3	Chloroform	ND	100
74-87-3	Chloromethane	ND	100
124-48-1	Dibromochloromethane	ND	100
74-95-3	Dibromomethane	ND	100
75-71-8	Dichlorodifluoromethane	ND	100
60-29-7	Ethyl Ether	ND	100
100-41-4	Ethylbenzene	ND	100
87-68-3	Hexachlorobutadiene	ND	100
98-82-8	Isopropylbenzene	ND	100
108-38-3/106-42-	M/P Xylene	ND	200
1634-04-4	Methyl-t-Butyl Ether	ND	100
75-09-2	Methylene Chloride	ND	100
104-51-8	N-Butylbenzene	ND	100
103-65-1	N-Propylbenzene	ND	100
91-20-3	Naphthalene	ND	100
95-47-6	Ortho Xylene	ND	100
99-87-6	Para-Isopropyltoluene	ND	100
135-98-8	Sec-Butylbenzene	ND	100
100-42-5	Styrene	ND	100
98-06-6	Tert-Butylbenzene	ND	100
127-18-4	Tetrachloroethylene	ND	100
109-99-9	Tetrahydrofuran	ND	100
108-88-3	Toluene	ND	100
156-60-5	Trans-1,2-Dichloroethylene	ND	100
79-01-6	Trichloroethylene	ND	100
75-69-4	Trichlorofluoromethane	ND	100
108-05-4	Vinyl Acetate	ND	100
75-01-4	Vinyl Chloride	ND	100
10061-01-5	c-1,3-dichloropropene	ND	100
156-59-2	cis-1,2-Dichloroethylene	ND	100
10061-02-6	t-1,3-Dichloropropene	ND	100

Surrogate Compounds

1,4-Bromofluorobenzene
1,2-Dichloroethane-D4
Toluene-D8

Recoveries (%)

95
86
100

QC Ranges

78 - 111
74 - 136
85 - 118

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

A & J Floral - Benton, ME

VOAs in Soil High Level Method

Client Sample ID: D30207
Date of Collection: 4/26/2011
Date of Extraction: 5/2/11
Date of Analysis: 5/2/11
Dry Weight Extracted: N/A
Wet Weight Extracted: N/A

Lab Sample ID: AB16972
Matrix: Blank
Volume Purged: 5 mL
Percent Solids: N/A
Extract Dilution: 1
pH: <2

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	
71-55-6	1,1,1-Trichloroethane	ND	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.0	
79-00-5	1,1,2-Trichloroethane	ND	1.0	
75-35-4	1,1-Dichloroethylene	ND	1.0	
563-58-6	1,1-Dichloropropene	ND	1.0	
75-34-3	1,1-dichloroethane	ND	1.0	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	
96-18-4	1,2,3-Trichloropropane	ND	1.0	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	1.0	
106-93-4	1,2-Dibromoethane	ND	1.0	
95-50-1	1,2-Dichlorobenzene	ND	1.0	
107-06-2	1,2-Dichloroethane	ND	1.0	
78-87-5	1,2-Dichloropropane	ND	1.0	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	
541-73-1	1,3-Dichlorobenzene	ND	1.0	
142-28-9	1,3-Dichloropropane	ND	1.0	
106-46-7	1,4-Dichlorobenzene	ND	1.0	
594-20-7	2,2-Dichloropropane	ND	1.0	
78-93-3	2-Butanone (MEK)	ND	1.0	
95-49-8	2-Chlorotoluene	ND	1.0	
591-78-6	2-Hexanone	ND	1.0	
67-64-1	2-Propanone (acetone)	ND	1.0	
106-43-4	4-Chlorotoluene	ND	1.0	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	1.0	
107-13-1	Acrylonitrile	ND	1.0	
71-43-2	Benzene	ND	1.0	
108-86-1	Bromobenzene	ND	1.0	
74-97-5	Bromochloromethane	ND	1.0	
75-27-4	Bromodichloromethane	ND	1.0	
75-25-2	Bromoform	ND	1.0	
74-83-9	Bromomethane	ND	1.0	
75-15-0	Carbon Disulfide	ND	1.0	
56-23-5	Carbon tetrachloride	ND	1.0	
108-90-7	Chlorobenzene	ND	1.0	
75-00-3	Chloroethane	ND	1.0	

67-66-3	Chloroform	ND	1.0
74-87-3	Chloromethane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
74-95-3	Dibromomethane	ND	1.0
75-71-8	Dichlorodifluoromethane	ND	1.0
60-29-7	Ethyl Ether	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
98-82-8	Isopropylbenzene	ND	1.0
108-38-3/106-42-	M/P Xylene	ND	2.0
1634-04-4	Methyl-t-Butyl Ether	ND	1.0
75-09-2	Methylene Chloride	ND	1.0
104-51-8	N-Butylbenzene	ND	1.0
103-65-1	N-Propylbenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
95-47-6	Ortho Xylene	ND	1.0
99-87-6	Para-Isopropyltoluene	ND	1.0
135-98-8	Sec-Butylbenzene	ND	1.0
100-42-5	Styrene	ND	1.0
98-06-6	Tert-Butylbenzene	ND	1.0
127-18-4	Tetrachloroethylene	ND	1.0
109-99-9	Tetrahydrofuran	ND	1.0
108-88-3	Toluene	ND	1.0
156-60-5	Trans-1,2-Dichloroethylene	ND	1.0
79-01-6	Trichloroethylene	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
108-05-4	Vinyl Acetate	ND	1.0
75-01-4	Vinyl Chloride	ND	1.0
10061-01-5	c-1,3-dichloropropene	ND	1.0
156-59-2	cis-1,2-Dichloroethylene	ND	1.0
10061-02-6	t-1,3-Dichloropropene	ND	1.0

Surrogate Compounds	Recoveries (%)	QC Ranges
1,4-Bromofluorobenzene	94	78 - 111
1,2-Dichloroethane-D4	87	74 - 136
Toluene-D8	98	85 - 118

Comments: Trip blank sample is reported in ug/L.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

A & J Floral - Benton, ME

VOAs in Soil High Level Method

Client Sample ID: D30208
Date of Collection: 4/26/2011
Date of Extraction: 5/2/11
Date of Analysis: 5/2/11
Dry Weight Extracted: N/A
Wet Weight Extracted: N/A

Lab Sample ID: AB16973
Matrix: Blank
Volume Purged: 5 mL
Percent Solids: N/A
Extract Dilution: 1
pH: <2

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	
71-55-6	1,1,1-Trichloroethane	ND	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.0	
79-00-5	1,1,2-Trichloroethane	ND	1.0	
75-35-4	1,1-Dichloroethylene	ND	1.0	
563-58-6	1,1-Dichloropropene	ND	1.0	
75-34-3	1,1-dichloroethane	ND	1.0	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	
96-18-4	1,2,3-Trichloropropane	ND	1.0	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	1.0	
106-93-4	1,2-Dibromoethane	ND	1.0	
95-50-1	1,2-Dichlorobenzene	ND	1.0	
107-06-2	1,2-Dichloroethane	ND	1.0	
78-87-5	1,2-Dichloropropane	ND	1.0	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	
541-73-1	1,3-Dichlorobenzene	ND	1.0	
142-28-9	1,3-Dichloropropane	ND	1.0	
106-46-7	1,4-Dichlorobenzene	ND	1.0	
594-20-7	2,2-Dichloropropane	ND	1.0	
78-93-3	2-Butanone (MEK)	ND	1.0	
95-49-8	2-Chlorotoluene	ND	1.0	
591-78-6	2-Hexanone	ND	1.0	
67-64-1	2-Propanone (acetone)	ND	1.0	
106-43-4	4-Chlorotoluene	ND	1.0	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	1.0	
107-13-1	Acrylonitrile	ND	1.0	
71-43-2	Benzene	ND	1.0	
108-86-1	Bromobenzene	ND	1.0	
74-97-5	Bromochloromethane	ND	1.0	
75-27-4	Bromodichloromethane	ND	1.0	
75-25-2	Bromoform	ND	1.0	
74-83-9	Bromomethane	ND	1.0	
75-15-0	Carbon Disulfide	ND	1.0	
56-23-5	Carbon tetrachloride	ND	1.0	
108-90-7	Chlorobenzene	ND	1.0	
75-00-3	Chloroethane	ND	1.0	

67-66-3	Chloroform	ND	1.0
74-87-3	Chloromethane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
74-95-3	Dibromomethane	ND	1.0
75-71-8	Dichlorodifluoromethane	ND	1.0
60-29-7	Ethyl Ether	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
98-82-8	Isopropylbenzene	ND	1.0
108-38-3/106-42-	M/P Xylene	ND	2.0
1634-04-4	Methyl-t-Butyl Ether	ND	1.0
75-09-2	Methylene Chloride	ND	1.0
104-51-8	N-Butylbenzene	ND	1.0
103-65-1	N-Propylbenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
95-47-6	Ortho Xylene	ND	1.0
99-87-6	Para-Isopropyltoluene	ND	1.0
135-98-8	Sec-Butylbenzene	ND	1.0
100-42-5	Styrene	ND	1.0
98-06-6	Tert-Butylbenzene	ND	1.0
127-18-4	Tetrachloroethylene	ND	1.0
109-99-9	Tetrahydrofuran	ND	1.0
108-88-3	Toluene	ND	1.0
156-60-5	Trans-1,2-Dichloroethylene	ND	1.0
79-01-6	Trichloroethylene	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
108-05-4	Vinyl Acetate	ND	1.0
75-01-4	Vinyl Chloride	ND	1.0
10061-01-5	c-1,3-dichloropropene	ND	1.0
156-59-2	cis-1,2-Dichloroethylene	ND	1.0
10061-02-6	t-1,3-Dichloropropene	ND	1.0

Surrogate Compounds	Recoveries (%)	QC Ranges
1,4-Bromofluorobenzene	94	78 - 111
1,2-Dichloroethane-D4	85	74 - 136
Toluene-D8	99	85 - 118

Comments: Trip blank sample is reported in ug/L.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

A & J Floral - Benton, ME

VOAs in Soil High Level Method

Client Sample ID: D30209
Date of Collection: 4/26/2011
Date of Extraction: 5/2/11
Date of Analysis: 5/2/11
Dry Weight Extracted: N/A
Wet Weight Extracted: N/A

Lab Sample ID: AB16974
Matrix: Blank
Volume Purged: 5 mL
Percent Solids: N/A
Extract Dilution: 1
pH: <2

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	
71-55-6	1,1,1-Trichloroethane	ND	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.0	
79-00-5	1,1,2-Trichloroethane	ND	1.0	
75-35-4	1,1-Dichloroethylene	ND	1.0	
563-58-6	1,1-Dichloropropene	ND	1.0	
75-34-3	1,1-dichloroethane	ND	1.0	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	
96-18-4	1,2,3-Trichloropropane	ND	1.0	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	1.0	
106-93-4	1,2-Dibromoethane	ND	1.0	
95-50-1	1,2-Dichlorobenzene	ND	1.0	
107-06-2	1,2-Dichloroethane	ND	1.0	
78-87-5	1,2-Dichloropropane	ND	1.0	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	
541-73-1	1,3-Dichlorobenzene	ND	1.0	
142-28-9	1,3-Dichloropropane	ND	1.0	
106-46-7	1,4-Dichlorobenzene	ND	1.0	
594-20-7	2,2-Dichloropropane	ND	1.0	
78-93-3	2-Butanone (MEK)	ND	1.0	
95-49-8	2-Chlorotoluene	ND	1.0	
591-78-6	2-Hexanone	ND	1.0	
67-64-1	2-Propanone (acetone)	ND	1.0	
106-43-4	4-Chlorotoluene	ND	1.0	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	1.0	
107-13-1	Acrylonitrile	ND	1.0	
71-43-2	Benzene	ND	1.0	
108-86-1	Bromobenzene	ND	1.0	
74-97-5	Bromochloromethane	ND	1.0	
75-27-4	Bromodichloromethane	ND	1.0	
75-25-2	Bromoform	ND	1.0	
74-83-9	Bromomethane	ND	1.0	
75-15-0	Carbon Disulfide	ND	1.0	
56-23-5	Carbon tetrachloride	ND	1.0	
108-90-7	Chlorobenzene	ND	1.0	
75-00-3	Chloroethane	ND	1.0	

67-66-3	Chloroform	ND	1.0
74-87-3	Chloromethane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
74-95-3	Dibromomethane	ND	1.0
75-71-8	Dichlorodifluoromethane	ND	1.0
60-29-7	Ethyl Ether	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
98-82-8	Isopropylbenzene	ND	1.0
108-38-3/106-42-	M/P Xylene	ND	2.0
1634-04-4	Methyl-t-Butyl Ether	ND	1.0
75-09-2	Methylene Chloride	ND	1.0
104-51-8	N-Butylbenzene	ND	1.0
103-65-1	N-Propylbenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
95-47-6	Ortho Xylene	ND	1.0
99-87-6	Para-Isopropyltoluene	ND	1.0
135-98-8	Sec-Butylbenzene	ND	1.0
100-42-5	Styrene	ND	1.0
98-06-6	Tert-Butylbenzene	ND	1.0
127-18-4	Tetrachloroethylene	ND	1.0
109-99-9	Tetrahydrofuran	ND	1.0
108-88-3	Toluene	ND	1.0
156-60-5	Trans-1,2-Dichloroethylene	ND	1.0
79-01-6	Trichloroethylene	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
108-05-4	Vinyl Acetate	ND	1.0
75-01-4	Vinyl Chloride	ND	1.0
10061-01-5	c-1,3-dichloropropene	ND	1.0
156-59-2	cis-1,2-Dichloroethylene	ND	1.0
10061-02-6	t-1,3-Dichloropropene	ND	1.0

Surrogate Compounds	Recoveries (%)	QC Ranges
1,4-Bromofluorobenzene	94	78 - 111
1,2-Dichloroethane-D4	86	74 - 136
Toluene-D8	99	85 - 118

Comments: Trip blank sample is reported in ug/L.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

A & J Floral - Benton, ME

VOAs in Soil High Level Method

Client Sample ID: D30210
Date of Collection: 4/26/2011
Date of Extraction: 5/2/11
Date of Analysis: 5/2/11
Dry Weight Extracted: N/A
Wet Weight Extracted: N/A

Lab Sample ID: AB16975
Matrix: Blank
Volume Purged: 5 mL
Percent Solids: N/A
Extract Dilution: 50
pH: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	ND	50	
71-55-6	1,1,1-Trichloroethane	ND	50	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	
79-00-5	1,1,2-Trichloroethane	ND	50	
75-35-4	1,1-Dichloroethylene	ND	50	
563-58-6	1,1-Dichloropropene	ND	50	
75-34-3	1,1-dichloroethane	ND	50	
87-61-6	1,2,3-Trichlorobenzene	ND	50	
96-18-4	1,2,3-Trichloropropane	ND	50	
120-82-1	1,2,4-Trichlorobenzene	ND	50	
95-63-6	1,2,4-Trimethylbenzene	ND	50	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	50	
106-93-4	1,2-Dibromoethane	ND	50	
95-50-1	1,2-Dichlorobenzene	ND	50	
107-06-2	1,2-Dichloroethane	ND	50	
78-87-5	1,2-Dichloropropane	ND	50	
108-67-8	1,3,5-Trimethylbenzene	ND	50	
541-73-1	1,3-Dichlorobenzene	ND	50	
142-28-9	1,3-Dichloropropane	ND	50	
106-46-7	1,4-Dichlorobenzene	ND	50	
594-20-7	2,2-Dichloropropane	ND	50	
78-93-3	2-Butanone (MEK)	ND	50	
95-49-8	2-Chlorotoluene	ND	50	
591-78-6	2-Hexanone	ND	50	
67-64-1	2-Propanone (acetone)	ND	50	
106-43-4	4-Chlorotoluene	ND	50	
108-10-1	4-Methyl-2-Pentanone(MIBK)	ND	50	
107-13-1	Acrylonitrile	ND	50	
71-43-2	Benzene	ND	50	
108-86-1	Bromobenzene	ND	50	
74-97-5	Bromochloromethane	ND	50	
75-27-4	Bromodichloromethane	ND	50	
75-25-2	Bromoform	ND	50	
74-83-9	Bromomethane	ND	50	
75-15-0	Carbon Disulfide	ND	50	
56-23-5	Carbon tetrachloride	ND	50	
108-90-7	Chlorobenzene	ND	50	
75-00-3	Chloroethane	ND	50	

67-66-3	Chloroform	ND	50
74-87-3	Chloromethane	ND	50
124-48-1	Dibromochloromethane	ND	50
74-95-3	Dibromomethane	ND	50
75-71-8	Dichlorodifluoromethane	ND	50
60-29-7	Ethyl Ether	ND	50
100-41-4	Ethylbenzene	ND	50
87-68-3	Hexachlorobutadiene	ND	50
98-82-8	Isopropylbenzene	ND	50
108-38-3/106-42-	M/P Xylene	ND	100
1634-04-4	Methyl-t-Butyl Ether	ND	50
75-09-2	Methylene Chloride	ND	50
104-51-8	N-Butylbenzene	ND	50
103-65-1	N-Propylbenzene	ND	50
91-20-3	Naphthalene	ND	50
95-47-6	Ortho Xylene	ND	50
99-87-6	Para-Isopropyltoluene	ND	50
135-98-8	Sec-Butylbenzene	ND	50
100-42-5	Styrene	ND	50
98-06-6	Tert-Butylbenzene	ND	50
127-18-4	Tetrachloroethylene	ND	50
109-99-9	Tetrahydrofuran	ND	50
108-88-3	Toluene	ND	50
156-60-5	Trans-1,2-Dichloroethylene	ND	50
79-01-6	Trichloroethylene	ND	50
75-69-4	Trichlorofluoromethane	ND	50
108-05-4	Vinyl Acetate	ND	50
75-01-4	Vinyl Chloride	ND	50
10061-01-5	c-1,3-dichloropropene	ND	50
156-59-2	cis-1,2-Dichloroethylene	ND	50
10061-02-6	t-1,3-Dichloropropene	ND	50

Surrogate Compounds	Recoveries (%)	QC Ranges
1,4-Bromofluorobenzene	93	78 - 111
1,2-Dichloroethane-D4	86	74 - 136
Toluene-D8	99	85 - 118

Comments: Methanol based blank sample is reported in ug/L.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

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

A & J Floral - Benton, ME

Sample ID: AB16941

PARAMETER	SPIKE ADDED ug/Kg	SAMPLE CONCENTRATION ug/Kg	MS CONCENTRATION ug/Kg	MS % REC	QC LIMITS (% REC)
1,1,1,2-Tetrachloroethane	3,836	ND	3800	99	70 - 130
1,1,1-Trichloroethane	3,836	ND	4000	100	70 - 130
1,1,2,2-Tetrachloroethane	3,836	ND	3900	100	70 - 130
1,1,2-Trichloro-1,2,2-Trifluoroe	3,836	ND	4400	110	70 - 130
1,1,2-Trichloroethane	3,836	ND	3800	99	70 - 130
1,1-Dichloroethylene	3,836	ND	4100	110	80 - 138
1,1-Dichloropropene	3,836	ND	3900	100	70 - 130
1,1-dichloroethane	3,836	ND	3900	100	70 - 130
1,2,3-Trichlorobenzene	3,836	ND	3700	96	70 - 130
1,2,3-Trichloropropane	3,836	ND	3500	91	70 - 130
1,2,4-Trichlorobenzene	3,836	ND	3900	100	70 - 130
1,2,4-Trimethylbenzene	3,836	ND	4000	100	70 - 130
1,2-Dibromo-3-Chloropropane	3,836	ND	3100	81	70 - 130
1,2-Dibromoethane	3,836	ND	3800	99	70 - 130
1,2-Dichlorobenzene	3,836	ND	3800	99	70 - 130
1,2-Dichloroethane	3,836	ND	3800	99	70 - 130
1,2-Dichloropropane	3,836	ND	3900	100	70 - 130
1,3,5-Trimethylbenzene	3,836	ND	4000	100	70 - 130
1,3-Dichlorobenzene	3,836	ND	3900	100	70 - 130
1,3-Dichloropropane	3,836	ND	3700	96	70 - 130
1,4-Dichlorobenzene	3,836	ND	3800	99	70 - 130
2,2-Dichloropropane	3,836	ND	3900	100	70 - 130
2-Butanone (MEK)	3,836	ND	3100	81	70 - 130
2-Chlorotoluene	3,836	ND	3900	100	70 - 130
2-Hexanone	3,836	ND	3400	89	70 - 130
2-Propanone (acetone)	3,836	ND	3300	86	70 - 130
4-Chlorotoluene	3,836	ND	3900	100	70 - 130
4-Methyl-2-Pentanone(MIBK)	3,836	ND	3400	89	70 - 130
Acrylonitrile	3,836	ND	3600	94	70 - 130
Benzene	3,836	ND	4000	100	87 - 125
Bromobenzene	3,836	ND	3900	100	70 - 130
Bromochloromethane	3,836	ND	4000	100	70 - 130
Bromodichloromethane	3,836	ND	3700	96	70 - 130
Bromoform	3,836	ND	2900	76	70 - 130
Bromomethane	3,836	ND	3700	96	70 - 130
Carbon Disulfide	3,836	ND	3800	99	70 - 130
Carbon tetrachloride	3,836	ND	3800	99	70 - 130
Chlorobenzene	3,836	ND	4000	100	78 - 131
Chloroethane	3,836	ND	3700	96	70 - 130
Chloroform	3,836	ND	3900	100	70 - 130
Chloromethane	3,836	ND	3600	94	70 - 130
Dibromochloromethane	3,836	ND	3700	96	70 - 130
Dibromomethane	3,836	ND	3700	96	70 - 130
Dichlorodifluoromethane	3,836	ND	3800	99	70 - 130
Ethyl Ether	3,836	ND	4000	100	70 - 130
Ethylbenzene	3,836	ND	4000	100	70 - 130
Hexachlorobutadiene	3,836	ND	4100	110	70 - 130
Isopropylbenzene	3,836	ND	4000	100	70 - 130

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

M/P Xylene	7,672	ND	8000	100	70 - 130
Methyl-t-Butyl Ether	3,836	ND	3700	96	70 - 130
Methylene Chloride	3,836	ND	3900	100	70 - 130
N-Butylbenzene	3,836	ND	4100	110	70 - 130
N-Propylbenzene	3,836	ND	4000	100	70 - 130
Naphthalene	3,836	ND	3700	96	70 - 130
Ortho Xylene	3,836	ND	4100	110	70 - 130
Para-Isopropyltoluene	3,836	ND	4100	110	70 - 130
Sec-Butylbenzene	3,836	ND	4100	110	70 - 130
Styrene	3,836	ND	4000	100	70 - 130
Tert-Butylbenzene	3,836	ND	4000	100	70 - 130
Tetrachloroethylene	3,836	ND	3700	96	70 - 130
Tetrahydrofuran	3,836	ND	3600	94	70 - 130
Toluene	3,836	ND	4100	110	66 - 150
Trans-1,2-Dichloroethylene	3,836	ND	4000	100	70 - 130
Trichloroethylene	3,836	ND	3800	99	78 - 102
Trichlorofluoromethane	3,836	ND	3900	100	70 - 130
Vinyl Acetate	3,836	ND	1600	42	70 - 130
Vinyl Chloride	3,836	ND	3200	83	70 - 130
c-1,3-dichloropropene	3,836	ND	3900	100	70 - 130
cis-1,2-Dichloroethylene	3,836	ND	4100	110	70 - 130
t-1,3-Dichloropropene	3,836	ND	3400	89	70 - 130

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Sample ID: AB16941

PARAMETER	MSD SPIKE ADDED	MSD CONCENTRATION ug/Kg	MSD % REC	RPD %	QC LIMITS RPD
1,1,1,2-Tetrachloroethane	3,836	3800	99	0	40
1,1,1-Trichloroethane	3,836	3900	100	0	40
1,1,2,2-Tetrachloroethane	3,836	3900	100	0	40
1,1,2-Trichloro-1,2,2-Trifluoroetha	3,836	4300	110	0	40
1,1,2-Trichloroethane	3,836	3800	99	0	40
1,1-Dichloroethylene	3,836	4000	100	10	52
1,1-Dichloropropene	3,836	3700	96	4	40
1,1-dichloroethane	3,836	3900	100	0	40
1,2,3-Trichlorobenzene	3,836	3800	99	3	40
1,2,3-Trichloropropane	3,836	3500	91	0	40
1,2,4-Trichlorobenzene	3,836	3800	99	1	40
1,2,4-Trimethylbenzene	3,836	3900	100	0	40
1,2-Dibromo-3-Chloropropane	3,836	3300	86	6	40
1,2-Dibromoethane	3,836	3700	96	3	40
1,2-Dichlorobenzene	3,836	3800	99	0	40
1,2-Dichloroethane	3,836	3700	96	3	40
1,2-Dichloropropane	3,836	3800	99	1	40
1,3,5-Trimethylbenzene	3,836	3900	100	0	40
1,3-Dichlorobenzene	3,836	3800	99	1	40
1,3-Dichloropropane	3,836	3600	94	2	40
1,4-Dichlorobenzene	3,836	3800	99	0	40
2,2-Dichloropropane	3,836	3900	100	0	40
2-Butanone (MEK)	3,836	3300	86	6	40
2-Chlorotoluene	3,836	3800	99	1	40
2-Hexanone	3,836	3500	91	2	40
2-Propanone (acetone)	3,836	3300	86	0	40
4-Chlorotoluene	3,836	3800	99	1	40
4-Methyl-2-Pentanone(MIBK)	3,836	3500	91	2	40
Acrylonitrile	3,836	3600	94	0	40
Benzene	3,836	4000	100	0	24
Bromobenzene	3,836	3800	99	1	40
Bromochloromethane	3,836	4000	100	0	40
Bromodichloromethane	3,836	3600	94	2	40
Bromoform	3,836	2900	76	0	40
Bromomethane	3,836	4100	110	14	40
Carbon Disulfide	3,836	3800	99	0	40
Carbon tetrachloride	3,836	3800	99	0	40
Chlorobenzene	3,836	3900	100	0	34
Chloroethane	3,836	3700	96	0	40
Chloroform	3,836	3900	100	0	40
Chloromethane	3,836	3600	94	0	40
Dibromochloromethane	3,836	3700	96	0	40
Dibromomethane	3,836	3600	94	2	40
Dichlorodifluoromethane	3,836	3700	96	3	40
Ethyl Ether	3,836	4000	100	0	40
Ethylbenzene	3,836	3800	99	1	40
Hexachlorobutadiene	3,836	4000	100	10	40
Isopropylbenzene	3,836	3900	100	0	40
M/P Xylene	7,672	7800	100	0	40
Methyl-t-Butyl Ether	3,836	3700	96	0	40
Methylene Chloride	3,836	3800	99	1	40
N-Butylbenzene	3,836	3900	100	10	40
N-Propylbenzene	3,836	3900	100	0	40
Naphthalene	3,836	3800	99	3	40

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Ortho Xylene	3,836	4000	100	10	40
Para-Isopropyltoluene	3,836	4000	100	10	40
Sec-Butylbenzene	3,836	3900	100	10	40
Styrene	3,836	3900	100	0	40
Tert-Butylbenzene	3,836	3900	100	0	40
Tetrachloroethylene	3,836	3600	94	2	40
Tetrahydrofuran	3,836	3600	94	0	40
Toluene	3,836	4000	100	10	33
Trans-1,2-Dichloroethylene	3,836	3900	100	0	40
Trichloroethylene	3,836	3600	94	5	27
Trichlorofluoromethane	3,836	3800	99	1	40
Vinyl Acetate	3,836	1900	50	17	40
Vinyl Chloride	3,836	3100	81	2	40
c-1,3-dichloropropene	3,836	3900	100	0	40
cis-1,2-Dichloroethylene	3,836	4000	100	10	40
t-1,3-Dichloropropene	3,836	3400	89	0	40

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Laboratory Duplicate Results

A & J Floral - Benton, ME

Sample ID: AB16941

PARAMETER	SAMPLE RESULT ug/Kg	SAMPLE DUPLICATE RESULT ug/Kg	PRECISION RPD %	QC LIMITS
1,1,1,2-Tetrachloroethane	ND	ND	ND	40
1,1,1-Trichloroethane	ND	ND	ND	40
1,1,2,2-Tetrachloroethane	ND	ND	ND	40
1,1,2-Trichloro-1,2,2-Trifluoroeth:	ND	ND	ND	40
1,1,2-Trichloroethane	ND	ND	ND	40
1,1-Dichloroethylene	ND	ND	ND	40
1,1-Dichloropropene	ND	ND	ND	40
1,1-dichloroethane	ND	ND	ND	40
1,2,3-Trichlorobenzene	ND	ND	ND	40
1,2,3-Trichloropropane	ND	ND	ND	40
1,2,4-Trichlorobenzene	ND	ND	ND	40
1,2,4-Trimethylbenzene	ND	ND	ND	40
1,2-Dibromo-3-Chloropropane	ND	ND	ND	40
1,2-Dibromoethane	ND	ND	ND	40
1,2-Dichlorobenzene	ND	ND	ND	40
1,2-Dichloroethane	ND	ND	ND	40
1,2-Dichloropropane	ND	ND	ND	40
1,3,5-Trimethylbenzene	ND	ND	ND	40
1,3-Dichlorobenzene	ND	ND	ND	40
1,3-Dichloropropane	ND	ND	ND	40
1,4-Dichlorobenzene	ND	ND	ND	40
2,2-Dichloropropane	ND	ND	ND	40
2-Butanone (MEK)	ND	ND	ND	40
2-Chlorotoluene	ND	ND	ND	40
2-Hexanone	ND	ND	ND	40
2-Propanone (acetone)	ND	ND	ND	40
4-Chlorotoluene	ND	ND	ND	40
4-Methyl-2-Pentanone(MIBK)	ND	ND	ND	40
Acrylonitrile	ND	ND	ND	40
Benzene	ND	ND	ND	40
Bromobenzene	ND	ND	ND	40
Bromochloromethane	ND	ND	ND	40
Bromodichloromethane	ND	ND	ND	40
Bromoform	ND	ND	ND	40
Bromomethane	ND	ND	ND	40
Carbon Disulfide	ND	ND	ND	40
Carbon tetrachloride	ND	ND	ND	40
Chlorobenzene	ND	ND	ND	40
Chloroethane	ND	ND	ND	40
Chloroform	ND	ND	ND	40
Chloromethane	ND	ND	ND	40
Dibromochloromethane	ND	ND	ND	40
Dibromomethane	ND	ND	ND	40
Dichlorodifluoromethane	ND	ND	ND	40
Ethyl Ether	ND	ND	ND	40
Ethylbenzene	ND	ND	ND	40
Hexachlorobutadiene	ND	ND	ND	40
Isopropylbenzene	ND	ND	ND	40
M/P Xylene	ND	ND	ND	40
Methyl-t-Butyl Ether	ND	ND	ND	40

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Methylene Chloride	ND	ND	ND	40
N-Butylbenzene	ND	ND	ND	40
N-Propylbenzene	ND	ND	ND	40
Naphthalene	ND	ND	ND	40
Ortho Xylene	ND	ND	ND	40
Para-Isopropyltoluene	ND	ND	ND	40
Sec-Butylbenzene	ND	ND	ND	40
Styrene	ND	ND	ND	40
Tert-Butylbenzene	ND	ND	ND	40
Tetrachloroethylene	ND	ND	ND	40
Tetrahydrofuran	ND	ND	ND	40
Toluene	ND	ND	ND	40
Trans-1,2-Dichloroethylene	ND	ND	ND	40
Trichloroethylene	ND	ND	ND	40
Trichlorofluoromethane	ND	ND	ND	40
Vinyl Acetate	ND	ND	ND	40
Vinyl Chloride	ND	ND	ND	40
c-1,3-dichloropropene	ND	ND	ND	40
cis-1,2-Dichloroethylene	ND	ND	ND	40
t-1,3-Dichloropropene	ND	ND	ND	40

US ENVIRONMENTAL PROTECTION AGENCY
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Laboratory Fortified Blank (LFB) Results

A & J Floral - Benton, ME

PARAMETER	LFB AMOUNT SPIKED ug/Kg	LFB RESULT ug/Kg	LFB RECOVERY %	QC LIMITS %
1,1,1,2-Tetrachloroethane	20	21.6	108	60 - 140
1,1,1-Trichloroethane	20	22.3	112	60 - 140
1,1,2,2-Tetrachloroethane	20	20.8	104	60 - 140
1,1,2-Trichloro-1,2,2-Trifluoroeth	20	22.5	113	60 - 140
1,1,2-Trichloroethane	20	21.0	105	60 - 140
1,1-Dichloroethylene	20	21.8	109	7 - 148
1,1-Dichloropropene	20	20.8	104	60 - 140
1,1-dichloroethane	20	21.7	109	60 - 140
1,2,3-Trichlorobenzene	20	20.8	104	60 - 140
1,2,3-Trichloropropane	20	19.0	95	60 - 140
1,2,4-Trichlorobenzene	20	20.8	104	60 - 140
1,2,4-Trimethylbenzene	20	21.4	107	60 - 140
1,2-Dibromo-3-Chloropropane	20	19.7	99	60 - 140
1,2-Dibromoethane	20	19.8	99	60 - 140
1,2-Dichlorobenzene	20	20.7	104	60 - 140
1,2-Dichloroethane	20	20.6	103	60 - 140
1,2-Dichloropropane	20	20.8	104	60 - 140
1,3,5-Trimethylbenzene	20	21.4	107	60 - 140
1,3-Dichlorobenzene	20	20.9	105	60 - 140
1,3-Dichloropropane	20	19.9	100	60 - 140
1,4-Dichlorobenzene	20	20.6	103	60 - 140
2,2-Dichloropropane	20	24.2	121	60 - 140
2-Butanone (MEK)	20	17.8	89	60 - 140
2-Chlorotoluene	20	21.0	105	60 - 140
2-Hexanone	20	18.8	94	60 - 140
2-Propanone (acetone)	20	16.8	84	60 - 140
4-Chlorotoluene	20	20.9	105	60 - 140
4-Methyl-2-Pentanone(MIBK)	20	18.3	92	60 - 140
Acrylonitrile	20	19.2	96	60 - 140
Benzene	20	21.7	109	39 - 119
Bromobenzene	20	20.8	104	60 - 140
Bromochloromethane	20	21.4	107	60 - 140
Bromodichloromethane	20	20.7	104	60 - 140
Bromoform	20	17.8	89	60 - 140
Bromomethane	20	22.6	113	60 - 140
Carbon Disulfide	20	22.0	110	60 - 140
Carbon tetrachloride	20	22.0	110	60 - 140
Chlorobenzene	20	21.5	108	48 - 131
Chloroethane	20	21.2	106	60 - 140
Chloroform	20	21.3	107	60 - 140
Chloromethane	20	17.9	90	60 - 140
Dibromochloromethane	20	21.8	109	60 - 140
Dibromomethane	20	19.7	99	60 - 140
Dichlorodifluoromethane	20	20.2	101	60 - 140
Ethyl Ether	20	20.1	101	60 - 140
Ethylbenzene	20	20.9	105	60 - 140
Hexachlorobutadiene	20	21.4	107	60 - 140
Isopropylbenzene	20	21.3	107	60 - 140
M/P Xylene	40	41.6	104	60 - 140
Methyl-t-Butyl Ether	20	20.5	103	60 - 140
Methylene Chloride	20	20.5	103	60 - 140
N-Butylbenzene	20	21.4	107	60 - 140
N-Propylbenzene	20	21.3	107	60 - 140

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Naphthalene	20	20.2	101	60 - 140
Ortho Xylene	20	20.7	104	60 - 140
Para-Isopropyltoluene	20	21.6	108	60 - 140
Sec-Butylbenzene	20	21.3	107	60 - 140
Styrene	20	21.4	107	60 - 140
Tert-Butylbenzene	20	21.4	107	60 - 140
Tetrachloroethylene	20	19.6	98	60 - 140
Tetrahydrofuran	20	19.1	96	60 - 140
Toluene	20	21.6	108	43 - 136
Trans-1,2-Dichloroethylene	20	21.9	110	60 - 140
Trichloroethylene	20	19.8	99	37 - 130
Trichlorofluoromethane	20	20.8	104	60 - 140
Vinyl Acetate	20	12.2	61	60 - 140
Vinyl Chloride	20	19.0	95	60 - 140
c-1,3-dichloropropene	20	22.8	114	60 - 140
cis-1,2-Dichloroethylene	20	21.6	108	60 - 140
t-1,3-Dichloropropene	20	20.1	101	60 - 140

Comments: The percent recoveries for vinyl acetate did not meet the acceptable QC criteria in the MS/MS and LFB/LFB Studies.

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LABORATORY FORTIFIED DUPLICATE (LFB Dup) RECOVERY

COMPOUND	LFB Dup CONCENTRATION ug/Kg	LFB Dup RECOVERY %	RPD %	QC LIMITS RPD
1,1,1,2-Tetrachloroethane	19.3	97	11	50
1,1,1-Trichloroethane	20.0	100	11	50
1,1,2,2-Tetrachloroethane	18.3	92	13	50
1,1,2-Trichloro-1,2,2-Trifluoroetha	19.5	98	14	50
1,1,2-Trichloroethane	20.4	102	3	50
1,1-Dichloroethylene	17.2	86	24	52
1,1-Dichloropropene	19.7	99	5	50
1,1-dichloroethane	20.6	103	5	50
1,2,3-Trichlorobenzene	18.8	94	10	50
1,2,3-Trichloropropane	17.4	87	9	50
1,2,4-Trichlorobenzene	19.7	99	5	50
1,2,4-Trimethylbenzene	20.6	103	4	50
1,2-Dibromo-3-Chloropropane	15.0	75	27	50
1,2-Dibromoethane	19.2	96	3	50
1,2-Dichlorobenzene	19.9	100	4	50
1,2-Dichloroethane	18.0	90	14	50
1,2-Dichloropropane	20.1	101	3	50
1,3,5-Trimethylbenzene	20.6	103	4	50
1,3-Dichlorobenzene	20.5	103	2	50
1,3-Dichloropropane	18.7	94	6	50
1,4-Dichlorobenzene	20.2	101	2	50
2,2-Dichloropropane	21.6	108	11	50
2-Butanone (MEK)	17.8	89	0	50
2-Chlorotoluene	20.4	102	3	50
2-Hexanone	18.7	94	1	50
2-Propanone (acetone)	14.0	70	18	50
4-Chlorotoluene	20.0	100	4	50
4-Methyl-2-Pentanone(MIBK)	18.1	91	1	50
Acrylonitrile	17.7	89	8	50
Benzene	21.4	107	1	50
Bromobenzene	20.5	103	2	50
Bromochloromethane	21.1	106	1	50
Bromodichloromethane	17.8	89	15	50
Bromoform	14.6	73	20	50
Bromomethane	17.9	90	23	50
Carbon Disulfide	20.4	102	8	50
Carbon tetrachloride	19.2	96	14	50
Chlorobenzene	20.4	102	5	34
Chloroethane	16.8	84	23	50
Chloroform	20.0	100	6	50
Chloromethane	17.3	87	3	50
Dibromochloromethane	18.7	94	15	50
Dibromomethane	18.5	93	6	50
Dichlorodifluoromethane	19.1	96	6	50
Ethyl Ether	18.0	90	11	50
Ethylbenzene	20.2	101	3	50
Hexachlorobutadiene	19.9	100	7	50
Isopropylbenzene	21.0	105	1	50
M/P Xylene	41.8	105	1	50
Methyl-t-Butyl Ether	19.4	97	6	50
Methylene Chloride	19.7	99	4	50
N-Butylbenzene	20.4	102	5	50
N-Propylbenzene	20.7	104	3	50
Naphthalene	19.0	95	6	50
Ortho Xylene	20.4	102	2	50
Para-Isopropyltoluene	21.0	105	3	50

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Sec-Butylbenzene	20.5	103	4	50
Styrene	20.9	105	2	50
Tert-Butylbenzene	20.7	104	3	50
Tetrachloroethylene	20.8	104	6	50
Tetrahydrofuran	17.4	87	9	50
Toluene	21.3	107	1	50
Trans-1,2-Dichloroethylene	21.7	109	1	50
Trichloroethylene	19.8	99	0	27
Trichlorofluoromethane	18.7	94	11	50
Vinyl Acetate	9.9	50	21	50
Vinyl Chloride	18.3	92	4	50
c-1,3-dichloropropene	21.0	105	8	50
cis-1,2-Dichloroethylene	22.0	110	2	50
t-1,3-Dichloropropene	17.9	90	12	50

Samples in Batch: AB16941, AB16942, AB16944, AB16949, AB16961, AB16962, AB16963,
AB16964, AB16965, AB16966, AB16967, AB16968, AB16969, AB16970,
AB16971, AB16972, AB16973, AB16974, AB16975

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	D30176	SS-01	Metals by ICP	Soil	4/26/2011	11:30	1	8 oz. jar	None	Y
	D30176	SS-01	OLLID	Soil	4/26/2011	11:30	1	8 oz. jar	None	Y
	D30176	SS-01	Percent Solids	Soil	4/26/2011	11:30	1	40 mL VOA	None	Y
	D30176	SS-01	Pest/PCB (\$PESMS)	Soil	4/26/2011	11:30	2	8 oz. jar	None	Y
	D30176	SS-01	SVOCs (\$BNAMS)	Soil	4/26/2011	11:30	1	8 oz. jar	None	Y
	D30176	SS-01	VOCs (\$VOAHS)	Soil	4/26/2011	11:30	1	40 mL VOA	MeOH	Y
	D30176	SS-01	VOCs (\$VOAHS)	Soil	4/26/2011	11:30	1	40 mL VOA	MeOH	Y
	D30177	SS-02	OLLID	Soil	4/26/2011	11:50	1	4 oz. jar	None	N
	D30177	SS-02	Percent Solids	Soil	4/26/2011	11:50	1	40 mL VOA	None	N
	D30177	SS-02	Pest/PCB (\$PESMS)	Soil	4/26/2011	11:50	1	8 oz. jar	None	N
	D30177	SS-02	SVOCs (\$BNAMS)	Soil	4/26/2011	11:50	1	4 oz. jar	None	N
	D30177	SS-02	VOCs (\$VOAHS)	Soil	4/26/2011	11:50	1	40 mL VOA	MeOH	N
	D30178	SS-03	Metals by ICP	Soil	4/26/2011	12:20	1	4 oz. jar	None	N
	D30178	SS-03	OLLID	Soil	4/26/2011	12:20	1	4 oz. jar	None	N
	D30178	SS-03	Pest/PCB (\$PESMS)	Soil	4/26/2011	12:20	1	8 oz. jar	None	N
	D30178	SS-03	SVOCs (\$BNAMS)	Soil	4/26/2011	12:20	1	4 oz. jar	None	N
	D30179	SS-04	OLLID	Soil	4/26/2011	12:45	1	4 oz. jar	None	N
	D30179	SS-04	Percent Solids	Soil	4/26/2011	12:45	1	40 mL VOA	None	N
	D30179	SS-04	Pest/PCB (\$PESMS)	Soil	4/26/2011	12:45	1	8 oz. jar	None	N

Special Instructions:

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CHAIN OF CUSTODY #

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Lab: OEMB

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	D30179	SS-04	SVOCs (\$BNAMS)	Soil	4/26/2011	12:45	1	4 oz. jar	None	N
	D30179	SS-04	VOCs (\$VOAHS)	Soil	4/26/2011	12:45	1	40 mL VOA	MeOH	N
	D30180	SS-05	Metals by ICP	Soil	4/26/2011	11:39	1	4 oz. jar	None	N
	D30180	SS-05	OLLID	Soil	4/26/2011	11:39	1	4 oz. jar	None	N
	D30180	SS-05	Pest/PCB (\$PESMS)	Soil	4/26/2011	11:39	1	8 oz. jar	None	N
	D30180	SS-05	SVOCs (\$BNAMS)	Soil	4/26/2011	11:39	1	4 oz. jar	None	N
	D30181	SS-06	OLLID	Soil	4/26/2011	12:04	1	4 oz. jar	None	N
	D30181	SS-06	SVOCs (\$BNAMS)	Soil	4/26/2011	12:04	1	4 oz. jar	None	N
	D30182	SS-07	OLLID	Soil	4/26/2011	12:22	1	4 oz. jar	None	N
	D30182	SS-07	Pest/PCB (\$PESMS)	Soil	4/26/2011	12:22	1	8 oz. jar	None	N
	D30182	SS-07	SVOCs (\$BNAMS)	Soil	4/26/2011	12:22	1	4 oz. jar	None	N
	D30183	SS-08	OLLID	Soil	4/26/2011	12:33	1	4 oz. jar	None	N
	D30183	SS-08	SVOCs (\$BNAMS)	Soil	4/26/2011	12:33	1	4 oz. jar	None	N
	D30184	SS-09	OLLID	Soil	4/26/2011	12:50	1	4 oz. jar	None	N
	D30184	SS-09	Percent Solids	Soil	4/26/2011	12:50	1	40 mL VOA	None	N
	D30184	SS-09	Pest/PCB (\$PESMS)	Soil	4/26/2011	12:50	1	8 oz. jar	None	N
	D30184	SS-09	SVOCs (\$BNAMS)	Soil	4/26/2011	12:50	1	4 oz. jar	None	N
	D30184	SS-09	VOCs (\$VOAHS)	Soil	4/26/2011	12:50	1	40 mL VOA	MeOH	N
	D30185	SS-10	OLLID	Soil	4/26/2011	13:43	1	4 oz. jar	None	N

CHAIN OF CUSTODY #

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Lab: OEME

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	D30193	SS-18	Pest/PCB (\$PESMS)	Soil	4/26/2011	14:00	1	8 oz. jar	None	N
	D30193	SS-18	SVOCs (\$BNAMS)	Soil	4/26/2011	14:00	1	4 oz. jar	None	N
	D30194	SS-19	OILID	Soil	4/26/2011	14:15	1	4 oz. jar	None	N
	D30194	SS-19	SVOCs (\$BNAMS)	Soil	4/26/2011	14:15	1	4 oz. jar	None	N
	D30195	SS-20	OILID	Soil	4/26/2011	14:25	1	4 oz. jar	None	N
	D30195	SS-20	Pest/PCB (\$PESMS)	Soil	4/26/2011	14:25	1	8 oz. jar	None	N
	D30195	SS-20	SVOCs (\$BNAMS)	Soil	4/26/2011	14:25	1	4 oz. jar	None	N
	D30196	SS-21	Metals by ICP	Soil	4/26/2011	15:17	1	4 oz. jar	None	N
	D30196	SS-21	OILID	Soil	4/26/2011	15:17	1	8 oz. jar	None	Y
	D30196	SS-21	Percent Solids	Soil	4/26/2011	15:17	1	40 mL VOA	None	Y
	D30196	SS-21	Pest/PCB (\$PESMS)	Soil	4/26/2011	15:17	2	8 oz. jar	None	Y
	D30196	SS-21	SVOCs (\$BNAMS)	Soil	4/26/2011	15:17	1	8 oz. jar	None	Y
	D30196	SS-21	VOCs (\$VOAHS)	Soil	4/26/2011	15:17	1	40 mL VOA	MeOH	Y
	D30196	SS-21	VOCs (\$VOAHS)	Soil	4/26/2011	15:17	1	40 mL VOA	MeOH	Y
	D30197	SS-22	OILID	Soil	4/26/2011	15:30	1	4 oz. jar	None	N
	D30197	SS-22	Percent Solids	Soil	4/26/2011	15:30	1	40 mL VOA	None	N
	D30197	SS-22	Pest/PCB (\$PESMS)	Soil	4/26/2011	15:30	1	8 oz. jar	None	N
	D30197	SS-22	SVOCs (\$BNAMS)	Soil	4/26/2011	15:30	1	4 oz. jar	None	N
	D30197	SS-22	VOCs (\$VOAHS)	Soil	4/26/2011	15:30	1	40 mL VOA	MeOH	N

CHAIN OF CUSTODY #

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Lab: OEME

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	D30198	SS-23	OIL/D	Soil	4/26/2011	15:52	1	4 oz. jar	None	N
	D30198	SS-23	Percent Solids	Soil	4/26/2011	15:52	1	40 mL VOA	None	N
	D30198	SS-23	Pest/PCB (\$PESMS)	Soil	4/26/2011	15:52	1	8 oz. jar	None	N
	D30198	SS-23	SVOCs (\$BNAMS)	Soil	4/26/2011	15:52	1	4 oz. jar	None	N
	D30198	SS-23	VOCs (\$VOAHS)	Soil	4/26/2011	15:52	1	40 mL VOA	MeOH	N
	D30199	SS-24	OIL/D	Soil	4/26/2011	16:08	1	4 oz. jar	None	N
	D30199	SS-24	Percent Solids	Soil	4/26/2011	16:08	1	40 mL VOA	None	N
	D30199	SS-24	Pest/PCB (\$PESMS)	Soil	4/26/2011	16:08	1	8 oz. jar	None	N
	D30199	SS-24	SVOCs (\$BNAMS)	Soil	4/26/2011	16:08	1	4 oz. jar	None	N
	D30199	SS-24	VOCs (\$VOAHS)	Soil	4/26/2011	16:08	1	40 mL VOA	MeOH	N
	D30200	SS-25	OIL/D	Soil	4/26/2011	15:20	1	4 oz. jar	None	N
	D30200	SS-25	Percent Solids	Soil	4/26/2011	15:20	1	40 mL VOA	None	N
	D30200	SS-25	Pest/PCB (\$PESMS)	Soil	4/26/2011	15:20	1	8 oz. jar	None	N
	D30200	SS-25	SVOCs (\$BNAMS)	Soil	4/26/2011	15:20	1	4 oz. jar	None	N
	D30200	SS-25	VOCs (\$VOAHS)	Soil	4/26/2011	15:20	1	40 mL VOA	MeOH	N
	D30201	SS-26	OIL/D	Soil	4/26/2011	15:45	1	4 oz. jar	None	N
	D30201	SS-26	Percent Solids	Soil	4/26/2011	15:45	1	40 mL VOA	None	N
	D30201	SS-26	Pest/PCB (\$PESMS)	Soil	4/26/2011	15:45	1	8 oz. jar	None	N
	D30201	SS-26	SVOCs (\$BNAMS)	Soil	4/26/2011	15:45	1	4 oz. jar	None	N

CHAIN OF CUSTODY #

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