FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ROUX2 SAMPLE NO.

SG-VINING

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 100226

Matrix: (soil/water) AIR Lab Sample ID: 571913

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: 571913

Level: (low/med) LOW Date Received: 05/15/04

% Moisture: not dec. _____ Date Analyzed: 06/09/04

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	0.88	
74-87-3	Chloromethane	0.65	
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.77	
76-13-1	Freon TF	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-09-2	Methylene Chloride	5.8	
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	0.61	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (m,p)	0.50	U
100-42-5	Styrene	0.50	U
95-47-6	Xylene (o)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ROUX2 SAMPLE NO.

SG-VINING

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 100226

Matrix: (soil/water) AIR Lab Sample ID: 571913

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: 571913

Level: (low/med) LOW Date Received: 05/15/04

% Moisture: not dec. _____ Date Analyzed: 06/09/04

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
87-68-3	Hexachlorobutadiene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
76-14-2	1,2-Dichlorotetrafluoroethan	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
106-99-0	1,3-Butadiene	0.50	U
75-15-0	Carbon Disulfide	0.50	U
67-64-1	Acetone	5.0	
67-63-0	Isopropyl Alcohol	5.0	U
1634-04-4	Methyl tert-Butyl Ether	0.50	U
110-82-7	Cyclohexane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
78-93-3	Methyl Ethyl Ketone	0.50	U
108-10-1	Methyl Isobutyl Ketone	0.50	U
591-78-6	Methyl Butyl Ketone	0.50	U
75-27-4	Bromodichloromethane	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
622-96-8	4-Ethyltoluene	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
110-54-3	n-Hexane	4.1	
109-99-9	Tetrahydrofuran	5.0	U
142-82-5	n-Heptane	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLKW9

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 100226

Matrix: (soil/water) AIR Lab Sample ID: ABLKW9

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: EFB002

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/08/04

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	Freon TF	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-09-2	Methylene Chloride	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (m,p)	0.50	U
100-42-5	Styrene	0.50	U
95-47-6	Xylene (o)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLKW9

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 100226

Matrix: (soil/water) AIR Lab Sample ID: ABLKW9

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: EFB002

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/08/04

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
87-68-3	Hexachlorobutadiene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
76-14-2	1,2-Dichlorotetrafluoroethan	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
106-99-0	1,3-Butadiene	0.50	U
75-15-0	Carbon Disulfide	0.50	U
67-64-1	Acetone	5.0	U
67-63-0	Isopropyl Alcohol	5.0	U
1634-04-4	Methyl tert-Butyl Ether	0.50	U
110-82-7	Cyclohexane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
78-93-3	Methyl Ethyl Ketone	0.50	U
108-10-1	Methyl Isobutyl Ketone	0.50	U
591-78-6	Methyl Butyl Ketone	0.50	U
75-27-4	Bromodichloromethane	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
622-96-8	4-Ethyltoluene	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
110-54-3	n-Hexane	0.50	U
109-99-9	Tetrahydrofuran	5.0	U
142-82-5	n-Heptane	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLKX1

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 100226

Matrix: (soil/water) AIR Lab Sample ID: ABLKX1

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: EFB002A

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/09/04

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	Freon TF	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-09-2	Methylene Chloride	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (m,p)	0.50	U
100-42-5	Styrene	0.50	U
95-47-6	Xylene (o)	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLKX1

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 100226

Matrix: (soil/water) AIR Lab Sample ID: ABLKX1

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: EFB002A

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/09/04

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
87-68-3	Hexachlorobutadiene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
76-14-2	1,2-Dichlorotetrafluoroethan	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
106-99-0	1,3-Butadiene	0.50	U
75-15-0	Carbon Disulfide	0.50	U
67-64-1	Acetone	5.0	U
67-63-0	Isopropyl Alcohol	5.0	U
1634-04-4	Methyl tert-Butyl Ether	0.50	U
110-82-7	Cyclohexane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
78-93-3	Methyl Ethyl Ketone	0.50	U
108-10-1	Methyl Isobutyl Ketone	0.50	U
591-78-6	Methyl Butyl Ketone	0.50	U
75-27-4	Bromodichloromethane	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
622-96-8	4-Ethyltoluene	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
110-54-3	n-Hexane	0.50	U
109-99-9	Tetrahydrofuran	5.0	U
142-82-5	n-Heptane	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

W9ICVLCS

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 100226

Matrix: (soil/water) AIR Lab Sample ID: W9ICVLCS

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: EF010Q

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/08/04

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	11	
74-87-3	Chloromethane	11	
75-01-4	Vinyl Chloride	11	
74-83-9	Bromomethane	12	
75-00-3	Chloroethane	11	
75-69-4	Trichlorofluoromethane	12	
76-13-1	Freon TF	12	
75-35-4	1,1-Dichloroethene	12	
75-09-2	Methylene Chloride	10	
75-34-3	1,1-Dichloroethane	12	
156-59-2	cis-1,2-Dichloroethene	11	
67-66-3	Chloroform	12	
71-55-6	1,1,1-Trichloroethane	12	
56-23-5	Carbon Tetrachloride	12	
71-43-2	Benzene	11	
107-06-2	1,2-Dichloroethane	12	
79-01-6	Trichloroethene	12	
78-87-5	1,2-Dichloropropane	11	
10061-01-5	cis-1,3-Dichloropropene	11	
108-88-3	Toluene	11	
10061-02-6	trans-1,3-Dichloropropene	11	
79-00-5	1,1,2-Trichloroethane	12	
127-18-4	Tetrachloroethene	12	
108-90-7	Chlorobenzene	12	
100-41-4	Ethylbenzene	12	
1330-20-7	Xylene (m,p)	24	
100-42-5	Styrene	12	
95-47-6	Xylene (o)	12	
79-34-5	1,1,2,2-Tetrachloroethane	12	
541-73-1	1,3-Dichlorobenzene	13	
106-46-7	1,4-Dichlorobenzene	12	
95-50-1	1,2-Dichlorobenzene	13	
120-82-1	1,2,4-Trichlorobenzene	13	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

W9ICVLCS

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 100226

Matrix: (soil/water) AIR Lab Sample ID: W9ICVLCS

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: EF010Q

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/08/04

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
87-68-3	Hexachlorobutadiene	13	
108-67-8	1,3,5-Trimethylbenzene	10	
95-63-6	1,2,4-Trimethylbenzene	12	
76-14-2	1,2-Dichlorotetrafluoroethan	12	
106-93-4	1,2-Dibromoethane	12	
106-99-0	1,3-Butadiene	11	
75-15-0	Carbon Disulfide	11	
67-64-1	Acetone	16	
67-63-0	Isopropyl Alcohol	11	
1634-04-4	Methyl tert-Butyl Ether	12	
110-82-7	Cyclohexane	11	
124-48-1	Dibromochloromethane	12	
78-93-3	Methyl Ethyl Ketone	11	
108-10-1	Methyl Isobutyl Ketone	10	
591-78-6	Methyl Butyl Ketone	9.4	
75-27-4	Bromodichloromethane	12	
156-60-5	trans-1,2-Dichloroethene	12	
622-96-8	4-Ethyltoluene	13	
95-49-8	2-Chlorotoluene	12	
110-54-3	n-Hexane	11	
109-99-9	Tetrahydrofuran	11	
142-82-5	n-Heptane	12	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

W9ICVLCSD

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 100226

Matrix: (soil/water) AIR Lab Sample ID: W9ICVLCSD

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: EF010QD

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/08/04

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	10	
74-87-3	Chloromethane	9.9	
75-01-4	Vinyl Chloride	9.3	
74-83-9	Bromomethane	10	
75-00-3	Chloroethane	10	
75-69-4	Trichlorofluoromethane	11	
76-13-1	Freon TF	10	
75-35-4	1,1-Dichloroethene	10	
75-09-2	Methylene Chloride	9.1	
75-34-3	1,1-Dichloroethane	10	
156-59-2	cis-1,2-Dichloroethene	9.8	
67-66-3	Chloroform	10	
71-55-6	1,1,1-Trichloroethane	10	
56-23-5	Carbon Tetrachloride	10	
71-43-2	Benzene	9.9	
107-06-2	1,2-Dichloroethane	10	
79-01-6	Trichloroethene	10	
78-87-5	1,2-Dichloropropane	9.8	
10061-01-5	cis-1,3-Dichloropropene	9.9	
108-88-3	Toluene	9.9	
10061-02-6	trans-1,3-Dichloropropene	9.9	
79-00-5	1,1,2-Trichloroethane	10	
127-18-4	Tetrachloroethene	11	
108-90-7	Chlorobenzene	11	
100-41-4	Ethylbenzene	10	
1330-20-7	Xylene (m,p)	22	
100-42-5	Styrene	10	
95-47-6	Xylene (o)	11	
79-34-5	1,1,2,2-Tetrachloroethane	11	
541-73-1	1,3-Dichlorobenzene	11	
106-46-7	1,4-Dichlorobenzene	11	
95-50-1	1,2-Dichlorobenzene	11	
120-82-1	1,2,4-Trichlorobenzene	11	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

W9ICVLCSD

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 100226

Matrix: (soil/water) AIR Lab Sample ID: W9ICVLCSD

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: EF010QD

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/08/04

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
87-68-3	Hexachlorobutadiene	11	
108-67-8	1,3,5-Trimethylbenzene	9.6	
95-63-6	1,2,4-Trimethylbenzene	10	
76-14-2	1,2-Dichlorotetrafluoroethan	11	
106-93-4	1,2-Dibromoethane	10	
106-99-0	1,3-Butadiene	9.5	
75-15-0	Carbon Disulfide	9.8	
67-64-1	Acetone	13	
67-63-0	Isopropyl Alcohol	9.3	
1634-04-4	Methyl tert-Butyl Ether	10	
110-82-7	Cyclohexane	9.9	
124-48-1	Dibromochloromethane	10	
78-93-3	Methyl Ethyl Ketone	9.8	
108-10-1	Methyl Isobutyl Ketone	8.9	
591-78-6	Methyl Butyl Ketone	8.1	
75-27-4	Bromodichloromethane	10	
156-60-5	trans-1,2-Dichloroethene	10	
622-96-8	4-Ethyltoluene	11	
95-49-8	2-Chlorotoluene	11	
110-54-3	n-Hexane	9.4	
109-99-9	Tetrahydrofuran	9.8	
142-82-5	n-Heptane	10	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

X1LCS

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 100226

Matrix: (soil/water) AIR Lab Sample ID: X1LCS

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: EF010AQ

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/09/04

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	11	
74-87-3	Chloromethane	10	
75-01-4	Vinyl Chloride	9.4	
74-83-9	Bromomethane	11	
75-00-3	Chloroethane	10	
75-69-4	Trichlorofluoromethane	11	
76-13-1	Freon TF	11	
75-35-4	1,1-Dichloroethene	10	
75-09-2	Methylene Chloride	9.5	
75-34-3	1,1-Dichloroethane	10	
156-59-2	cis-1,2-Dichloroethene	9.9	
67-66-3	Chloroform	11	
71-55-6	1,1,1-Trichloroethane	11	
56-23-5	Carbon Tetrachloride	11	
71-43-2	Benzene	10	
107-06-2	1,2-Dichloroethane	11	
79-01-6	Trichloroethene	10	
78-87-5	1,2-Dichloropropane	10	
10061-01-5	cis-1,3-Dichloropropene	10	
108-88-3	Toluene	9.9	
10061-02-6	trans-1,3-Dichloropropene	10	
79-00-5	1,1,2-Trichloroethane	10	
127-18-4	Tetrachloroethene	11	
108-90-7	Chlorobenzene	11	
100-41-4	Ethylbenzene	11	
1330-20-7	Xylene (m,p)	22	
100-42-5	Styrene	10	
95-47-6	Xylene (o)	11	
79-34-5	1,1,2,2-Tetrachloroethane	11	
541-73-1	1,3-Dichlorobenzene	11	
106-46-7	1,4-Dichlorobenzene	12	
95-50-1	1,2-Dichlorobenzene	12	
120-82-1	1,2,4-Trichlorobenzene	12	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

X1LCS

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 100226

Matrix: (soil/water) AIR Lab Sample ID: X1LCS

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: EF010AQ

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/09/04

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
87-68-3	Hexachlorobutadiene	12	
108-67-8	1,3,5-Trimethylbenzene	12	
95-63-6	1,2,4-Trimethylbenzene	11	
76-14-2	1,2-Dichlorotetrafluoroethan	11	
106-93-4	1,2-Dibromoethane	10	
106-99-0	1,3-Butadiene	10	
75-15-0	Carbon Disulfide	10	
67-64-1	Acetone	15	
67-63-0	Isopropyl Alcohol	9.8	
1634-04-4	Methyl tert-Butyl Ether	11	
110-82-7	Cyclohexane	10	
124-48-1	Dibromochloromethane	11	
78-93-3	Methyl Ethyl Ketone	10	
108-10-1	Methyl Isobutyl Ketone	9.5	
591-78-6	Methyl Butyl Ketone	8.6	
75-27-4	Bromodichloromethane	11	
156-60-5	trans-1,2-Dichloroethene	10	
622-96-8	4-Ethyltoluene	10	
95-49-8	2-Chlorotoluene	11	
110-54-3	n-Hexane	9.6	
109-99-9	Tetrahydrofuran	10	
142-82-5	n-Heptane	11	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

X1LCSD

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 100226

Matrix: (soil/water) AIR Lab Sample ID: X1LCSD

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: EF010AQD

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/09/04

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	10	
74-87-3	Chloromethane	10	
75-01-4	Vinyl Chloride	9.4	
74-83-9	Bromomethane	10	
75-00-3	Chloroethane	10	
75-69-4	Trichlorofluoromethane	11	
76-13-1	Freon TF	11	
75-35-4	1,1-Dichloroethene	10	
75-09-2	Methylene Chloride	9.4	
75-34-3	1,1-Dichloroethane	10	
156-59-2	cis-1,2-Dichloroethene	9.7	
67-66-3	Chloroform	10	
71-55-6	1,1,1-Trichloroethane	11	
56-23-5	Carbon Tetrachloride	11	
71-43-2	Benzene	10	
107-06-2	1,2-Dichloroethane	11	
79-01-6	Trichloroethene	10	
78-87-5	1,2-Dichloropropane	10	
10061-01-5	cis-1,3-Dichloropropene	10	
108-88-3	Toluene	9.9	
10061-02-6	trans-1,3-Dichloropropene	10	
79-00-5	1,1,2-Trichloroethane	10	
127-18-4	Tetrachloroethene	11	
108-90-7	Chlorobenzene	10	
100-41-4	Ethylbenzene	10	
1330-20-7	Xylene (m,p)	21	
100-42-5	Styrene	10	
95-47-6	Xylene (o)	10	
79-34-5	1,1,2,2-Tetrachloroethane	11	
541-73-1	1,3-Dichlorobenzene	11	
106-46-7	1,4-Dichlorobenzene	11	
95-50-1	1,2-Dichlorobenzene	11	
120-82-1	1,2,4-Trichlorobenzene	12	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

X1LCSD

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 100226

Matrix: (soil/water) AIR Lab Sample ID: X1LCSD

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: EF010AQD

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/09/04

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
87-68-3	Hexachlorobutadiene	15	
108-67-8	1,3,5-Trimethylbenzene	12	
95-63-6	1,2,4-Trimethylbenzene	11	
76-14-2	1,2-Dichlorotetrafluoroethan	11	
106-93-4	1,2-Dibromoethane	11	
106-99-0	1,3-Butadiene	9.7	
75-15-0	Carbon Disulfide	9.8	
67-64-1	Acetone	14	
67-63-0	Isopropyl Alcohol	9.8	
1634-04-4	Methyl tert-Butyl Ether	11	
110-82-7	Cyclohexane	10	
124-48-1	Dibromochloromethane	11	
78-93-3	Methyl Ethyl Ketone	10	
108-10-1	Methyl Isobutyl Ketone	9.2	
591-78-6	Methyl Butyl Ketone	8.5	
75-27-4	Bromodichloromethane	11	
156-60-5	trans-1,2-Dichloroethene	10	
622-96-8	4-Ethyltoluene	10	
95-49-8	2-Chlorotoluene	11	
110-54-3	n-Hexane	9.9	
109-99-9	Tetrahydrofuran	10	
142-82-5	n-Heptane	11	

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 100226

Matrix Spike - Sample No.: W9ICVLCS

COMPOUND	SPIKE ADDED (ppbv)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	10		11	110	70-130
Chloromethane	10		11	110	70-130
Vinyl Chloride	10		11	110	70-130
Bromomethane	10		12	120	70-130
Chloroethane	10		11	110	70-130
Trichlorofluoromethane	10		12	120	70-130
Freon TF	10		12	120	70-130
1,1-Dichloroethene	10		12	120	70-130
Methylene Chloride	10		10	100	70-130
1,1-Dichloroethane	10		12	120	70-130
cis-1,2-Dichloroethene	10		11	110	70-130
Chloroform	10		12	120	70-130
1,1,1-Trichloroethane	10		12	120	70-130
Carbon Tetrachloride	10		12	120	70-130
Benzene	10		11	110	70-130
1,2-Dichloroethane	10		12	120	70-130
Trichloroethene	10		12	120	70-130
1,2-Dichloropropane	10		11	110	70-130
cis-1,3-Dichloropropene	10		11	110	70-130
Toluene	10		11	110	70-130
trans-1,3-Dichloroprope	10		11	110	70-130
1,1,2-Trichloroethane	10		12	120	70-130
Tetrachloroethene	10		12	120	70-130
Chlorobenzene	10		12	120	70-130
Ethylbenzene	10		12	120	70-130
Xylene (m,p)	20		24	120	70-130
Styrene	10		12	120	70-130
Xylene (o)	10		12	120	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 100226

Matrix Spike - Sample No.: W9ICVLCS

COMPOUND	SPIKE ADDED (ppbv)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.
1,1,2,2-Tetrachloroetha	10		12	120	70-130
1,3-Dichlorobenzene	10		13	130	70-130
1,4-Dichlorobenzene	10		12	120	70-130
1,2-Dichlorobenzene	10		13	130	70-130
1,2,4-Trichlorobenzene	10		13	130	70-130
Hexachlorobutadiene	10		13	130	70-130
1,3,5-Trimethylbenzene	10		10	100	70-130
1,2,4-Trimethylbenzene	10		12	120	70-130
1,2-Dichlorotetrafluoro	10		12	120	70-130
1,2-Dibromoethane	10		12	120	70-130
1,3-Butadiene	10		11	110	70-130
Carbon Disulfide	10		11	110	70-130
Acetone	10		16	160*	70-130
Isopropyl Alcohol	10		11	110	70-130
Methyl tert-Butyl Ether	10		12	120	70-130
Cyclohexane	10		11	110	70-130
Dibromochloromethane	10		12	120	70-130
Methyl Ethyl Ketone	10		11	110	70-130
Methyl Isobutyl Ketone	10		10	100	70-130
Methyl Butyl Ketone	10		9.4	94	70-130
Bromodichloromethane	10		12	120	70-130
trans-1,2-Dichloroethen	10		12	120	70-130
4-Ethyltoluene	10		13	130	70-130
2-Chlorotoluene	10		12	120	70-130
n-Hexane	10		11	110	70-130
Tetrahydrofuran	10		11	110	70-130
n-Heptane	10		12	120	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 100226

Matrix Spike - Sample No.: W9ICVLCS

COMPOUND	SPIKE ADDED (ppbv)	LCSD CONCENTRATION (ppbv)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	10	10	100	10	40	70-130
Chloromethane	10	9.9	99	10	40	70-130
Vinyl Chloride	10	9.3	93	17	40	70-130
Bromomethane	10	10	100	18	40	70-130
Chloroethane	10	10	100	10	40	70-130
Trichlorofluoromethane	10	11	110	9	40	70-130
Freon TF	10	10	100	18	40	70-130
1,1-Dichloroethene	10	10	100	18	40	70-130
Methylene Chloride	10	9.1	91	9	40	70-130
1,1-Dichloroethane	10	10	100	18	40	70-130
cis-1,2-Dichloroethene	10	9.8	98	12	40	70-130
Chloroform	10	10	100	18	40	70-130
1,1,1-Trichloroethane	10	10	100	18	40	70-130
Carbon Tetrachloride	10	10	100	18	40	70-130
Benzene	10	9.9	99	10	40	70-130
1,2-Dichloroethane	10	10	100	18	40	70-130
Trichloroethene	10	10	100	18	40	70-130
1,2-Dichloropropane	10	9.8	98	12	40	70-130
cis-1,3-Dichloropropene	10	9.9	99	10	40	70-130
Toluene	10	9.9	99	10	40	70-130
trans-1,3-Dichloroprope	10	9.9	99	10	40	70-130
1,1,2-Trichloroethane	10	10	100	18	40	70-130
Tetrachloroethene	10	11	110	9	40	70-130
Chlorobenzene	10	11	110	9	40	70-130
Ethylbenzene	10	10	100	18	40	70-130
Xylene (m,p)	20	22	110	9	40	70-130
Styrene	10	10	100	18	40	70-130
Xylene (o)	10	11	110	9	40	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 100226

Matrix Spike - Sample No.: W9ICVLCS

COMPOUND	SPIKE ADDED (ppbv)	LCSD CONCENTRATION (ppbv)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,2,2-Tetrachloroetha	10	11	110	9	40	70-130
1,3-Dichlorobenzene	10	11	110	17	40	70-130
1,4-Dichlorobenzene	10	11	110	9	40	70-130
1,2-Dichlorobenzene	10	11	110	17	40	70-130
1,2,4-Trichlorobenzene	10	11	110	17	40	70-130
Hexachlorobutadiene	10	11	110	17	40	70-130
1,3,5-Trimethylbenzene	10	9.6	96	4	40	70-130
1,2,4-Trimethylbenzene	10	10	100	18	40	70-130
1,2-Dichlorotetrafluoro	10	11	110	9	40	70-130
1,2-Dibromoethane	10	10	100	18	40	70-130
1,3-Butadiene	10	9.5	95	15	40	70-130
Carbon Disulfide	10	9.8	98	12	40	70-130
Acetone	10	13	130	21	40	70-130
Isopropyl Alcohol	10	9.3	93	17	40	70-130
Methyl tert-Butyl Ether	10	10	100	18	40	70-130
Cyclohexane	10	9.9	99	10	40	70-130
Dibromochloromethane	10	10	100	18	40	70-130
Methyl Ethyl Ketone	10	9.8	98	12	40	70-130
Methyl Isobutyl Ketone	10	8.9	89	12	40	70-130
Methyl Butyl Ketone	10	8.1	81	15	40	70-130
Bromodichloromethane	10	10	100	18	40	70-130
trans-1,2-Dichloroethen	10	10	100	18	40	70-130
4-Ethyltoluene	10	11	110	17	40	70-130
2-Chlorotoluene	10	11	110	9	40	70-130
n-Hexane	10	9.4	94	16	40	70-130
Tetrahydrofuran	10	9.8	98	12	40	70-130
n-Heptane	10	10	100	18	40	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 55 outside limits
Spike Recovery: 1 out of 110 outside limits

COMMENTS: _____

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 100226

Matrix Spike - Sample No.: X1LCS

COMPOUND	SPIKE ADDED (ppbv)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	10		11	110	70-130
Chloromethane	10		10	100	70-130
Vinyl Chloride	10		9.4	94	70-130
Bromomethane	10		11	110	70-130
Chloroethane	10		10	100	70-130
Trichlorofluoromethane	10		11	110	70-130
Freon TF	10		11	110	70-130
1,1-Dichloroethene	10		10	100	70-130
Methylene Chloride	10		9.5	95	70-130
1,1-Dichloroethane	10		10	100	70-130
cis-1,2-Dichloroethene	10		9.9	99	70-130
Chloroform	10		11	110	70-130
1,1,1-Trichloroethane	10		11	110	70-130
Carbon Tetrachloride	10		11	110	70-130
Benzene	10		10	100	70-130
1,2-Dichloroethane	10		11	110	70-130
Trichloroethene	10		10	100	70-130
1,2-Dichloropropane	10		10	100	70-130
cis-1,3-Dichloropropene	10		10	100	70-130
Toluene	10		9.9	99	70-130
trans-1,3-Dichloroprope	10		10	100	70-130
1,1,2-Trichloroethane	10		10	100	70-130
Tetrachloroethene	10		11	110	70-130
Chlorobenzene	10		11	110	70-130
Ethylbenzene	10		11	110	70-130
Xylene (m,p)	20		22	110	70-130
Styrene	10		10	100	70-130
Xylene (o)	10		11	110	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 100226

Matrix Spike - Sample No.: X1LCS

COMPOUND	SPIKE ADDED (ppbv)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.
1,1,2,2-Tetrachloroetha	10		11	110	70-130
1,3-Dichlorobenzene	10		11	110	70-130
1,4-Dichlorobenzene	10		12	120	70-130
1,2-Dichlorobenzene	10		12	120	70-130
1,2,4-Trichlorobenzene	10		12	120	70-130
Hexachlorobutadiene	10		12	120	70-130
1,3,5-Trimethylbenzene	10		12	120	70-130
1,2,4-Trimethylbenzene	10		11	110	70-130
1,2-Dichlorotetrafluoro	10		11	110	70-130
1,2-Dibromoethane	10		10	100	70-130
1,3-Butadiene	10		10	100	70-130
Carbon Disulfide	10		10	100	70-130
Acetone	10		15	150*	70-130
Isopropyl Alcohol	10		9.8	98	70-130
Methyl tert-Butyl Ether	10		11	110	70-130
Cyclohexane	10		10	100	70-130
Dibromochloromethane	10		11	110	70-130
Methyl Ethyl Ketone	10		10	100	70-130
Methyl Isobutyl Ketone	10		9.5	95	70-130
Methyl Butyl Ketone	10		8.6	86	70-130
Bromodichloromethane	10		11	110	70-130
trans-1,2-Dichloroethen	10		10	100	70-130
4-Ethyltoluene	10		10	100	70-130
2-Chlorotoluene	10		11	110	70-130
n-Hexane	10		9.6	96	70-130
Tetrahydrofuran	10		10	100	70-130
n-Heptane	10		11	110	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 100226

Matrix Spike - Sample No.: X1LCS

COMPOUND	SPIKE ADDED (ppbv)	LCSD CONCENTRATION (ppbv)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	10	10	100	10	40	70-130
Chloromethane	10	10	100	0	40	70-130
Vinyl Chloride	10	9.4	94	0	40	70-130
Bromomethane	10	10	100	10	40	70-130
Chloroethane	10	10	100	0	40	70-130
Trichlorofluoromethane	10	11	110	0	40	70-130
Freon TF	10	11	110	0	40	70-130
1,1-Dichloroethene	10	10	100	0	40	70-130
Methylene Chloride	10	9.4	94	1	40	70-130
1,1-Dichloroethane	10	10	100	0	40	70-130
cis-1,2-Dichloroethene	10	9.7	97	2	40	70-130
Chloroform	10	10	100	10	40	70-130
1,1,1-Trichloroethane	10	11	110	0	40	70-130
Carbon Tetrachloride	10	11	110	0	40	70-130
Benzene	10	10	100	0	40	70-130
1,2-Dichloroethane	10	11	110	0	40	70-130
Trichloroethene	10	10	100	0	40	70-130
1,2-Dichloropropane	10	10	100	0	40	70-130
cis-1,3-Dichloropropene	10	10	100	0	40	70-130
Toluene	10	9.9	99	0	40	70-130
trans-1,3-Dichloroprope	10	10	100	0	40	70-130
1,1,2-Trichloroethane	10	10	100	0	40	70-130
Tetrachloroethene	10	11	110	0	40	70-130
Chlorobenzene	10	10	100	10	40	70-130
Ethylbenzene	10	10	100	10	40	70-130
Xylene (m,p)	20	21	105	5	40	70-130
Styrene	10	10	100	0	40	70-130
Xylene (o)	10	10	100	10	40	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 100226

Matrix Spike - Sample No.: X1LCS

COMPOUND	SPIKE ADDED (ppbv)	LCSD CONCENTRATION (ppbv)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,2,2-Tetrachloroetha	10	11	110	0	40	70-130
1,3-Dichlorobenzene	10	11	110	0	40	70-130
1,4-Dichlorobenzene	10	11	110	9	40	70-130
1,2-Dichlorobenzene	10	11	110	9	40	70-130
1,2,4-Trichlorobenzene	10	12	120	0	40	70-130
Hexachlorobutadiene	10	15	150*	22	40	70-130
1,3,5-Trimethylbenzene	10	12	120	0	40	70-130
1,2,4-Trimethylbenzene	10	11	110	0	40	70-130
1,2-Dichlorotetrafluoro	10	11	110	0	40	70-130
1,2-Dibromoethane	10	11	110	10	40	70-130
1,3-Butadiene	10	9.7	97	3	40	70-130
Carbon Disulfide	10	9.8	98	2	40	70-130
Acetone	10	14	140*	7	40	70-130
Isopropyl Alcohol	10	9.8	98	0	40	70-130
Methyl tert-Butyl Ether	10	11	110	0	40	70-130
Cyclohexane	10	10	100	0	40	70-130
Dibromochloromethane	10	11	110	0	40	70-130
Methyl Ethyl Ketone	10	10	100	0	40	70-130
Methyl Isobutyl Ketone	10	9.2	92	3	40	70-130
Methyl Butyl Ketone	10	8.5	85	1	40	70-130
Bromodichloromethane	10	11	110	0	40	70-130
trans-1,2-Dichloroethen	10	10	100	0	40	70-130
4-Ethyltoluene	10	10	100	0	40	70-130
2-Chlorotoluene	10	11	110	0	40	70-130
n-Hexane	10	9.9	99	3	40	70-130
Tetrahydrofuran	10	10	100	0	40	70-130
n-Heptane	10	11	110	0	40	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 55 outside limits
Spike Recovery: 3 out of 110 outside limits

COMMENTS: _____

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

ABLKW9

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 100226

Lab File ID: EFB002 Lab Sample ID: ABLKW9

Date Analyzed: 06/08/04 Time Analyzed: 1901

GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: V

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	W9ICVLCS	W9ICVLCS	EF010Q	1645
02	W9ICVLCSD	W9ICVLCSD	EF010QD	1729
03	SG-ABC ROOFI	571912	571912	0312
04	SG-VINING	571913	571913	0356
05	SG-GANGLIANI	571914	571914	0441
06	SG-SACCO_A	571915	571915	0526
07	SG-GRAPHIQUE	571916	571916	0612
08	SG-SACCO_B	571917	571917	0658
09	SG-PACER	571918	571918	0743
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM IV VOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

ABLKX1

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 100226

Lab File ID: EFB002A Lab Sample ID: ABLKX1

Date Analyzed: 06/09/04 Time Analyzed: 1417

GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: V

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	X1LCS	X1LCS	EF010AQ	1209
02	X1LCSD	X1LCSD	EF010AQD	1248
03	SG-ABC ROOFI	571912D1	571912D	0213
04	SG-PACERDL	571918D1	571918D	0259
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
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25				
26				
27				
28				
29				
30				

COMMENTS:

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 100226

Lab File ID: EF001P BFB Injection Date: 06/08/04

Instrument ID: V BFB Injection Time: 1031

GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.9
75	30.0 - 66.0% of mass 95	52.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	64.7
175	4.0 - 9.0% of mass 174	4.8 (7.3)1
176	93.0 - 101.0% of mass 174	62.8 (97.0)1
177	5.0 - 9.0% of mass 176	4.1 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ASTD0005	ASTD0005	EF0005I2	06/08/04	1201
02	ASTD005	ASTD005	EF005	06/08/04	1245
03	ASTD010	ASTD010	EF010	06/08/04	1332
04	ASTD015	ASTD015	EF015	06/08/04	1418
05	ASTD020	ASTD020	EF020	06/08/04	1500
06	ASTD040	ASTD040	EF040	06/08/04	1541
07	W9ICVLCS	W9ICVLCS	EF010Q	06/08/04	1645
08	W9ICVLCSD	W9ICVLCSD	EF010QD	06/08/04	1729
09	ABLKW9	ABLKW9	EFB002	06/08/04	1901
10	SG-ABC ROOFI	571912	571912	06/09/04	0312
11	SG-VINING	571913	571913	06/09/04	0356
12	SG-GANGLIANI	571914	571914	06/09/04	0441
13	SG-SACCO_A	571915	571915	06/09/04	0526
14	SG-GRAPHIQUE	571916	571916	06/09/04	0612
15	SG-SACCO_B	571917	571917	06/09/04	0658
16	SG-PACER	571918	571918	06/09/04	0743
17					
18					
19					
20					
21					
22					

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 100226

Lab File ID: EF002P BFB Injection Date: 06/09/04

Instrument ID: V BFB Injection Time: 1034

GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	21.0
75	30.0 - 66.0% of mass 95	52.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	63.8
175	4.0 - 9.0% of mass 174	4.3 (6.8)1
176	93.0 - 101.0% of mass 174	62.2 (97.5)1
177	5.0 - 9.0% of mass 176	4.2 (6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ASTD010	ASTD010	EF010A	06/09/04	1121
02	X1LCS	X1LCS	EF010AQ	06/09/04	1209
03	X1LCSD	X1LCSD	EF010AQD	06/09/04	1248
04	ABLKX1	ABLKX1	EFB002A	06/09/04	1417
05	SG-ABC ROOFI	571912D1	571912D	06/10/04	0213
06	SG-PACERDL	571918D1	571918D	06/10/04	0259
07					
08					
09					
10					
11					
12					
13					
14					
15					
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18					
19					
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22					

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 100226

Instrument ID: V Calibration Date(s): 06/08/04 06/08/04

Heated Purge: (Y/N) N Calibration Time(s): 1201 1541

GC Column: RTX-624 ID: 0.32 (mm)

LAB FILE ID: RRF0.5=EF0005I2 RRF5 =EF005
RRF10 =EF010 RRF20 =EF020 RRF40 =EF040

COMPOUND	RRF0.5	RRF5	RRF10	RRF20	RRF40	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	2.976	2.333	2.173	2.118	1.971		
Chloromethane	0.677	0.698	0.625	0.607	0.563		
Vinyl Chloride	1.020	0.884	0.758	0.737	0.681		
Bromomethane	0.805	0.971	0.885	0.863	0.798		
Chloroethane	0.428	0.489	0.443	0.419	0.388		
Trichlorofluoromethane	2.251	2.630	2.377	2.338	2.134		
Freon TF	1.636	1.926	1.733	1.652	1.449		
1,1-Dichloroethene	0.757	0.824	0.741	0.706	0.624		
Methylene Chloride	1.454	1.117	0.970	0.914	0.842		
1,1-Dichloroethane *	1.419	1.761	1.567	1.494	1.316		*
cis-1,2-Dichloroethene	1.010	0.982	0.879	0.844	0.772		
Chloroform	2.113	2.252	2.035	1.998	1.786		
1,1,1-Trichloroethane	0.499	0.490	0.451	0.435	0.380		
Carbon Tetrachloride	0.529	0.561	0.525	0.507	0.453		
Benzene	0.618	0.601	0.552	0.535	0.464		
1,2-Dichloroethane	0.338	0.332	0.304	0.293	0.258		
Trichloroethene	0.305	0.290	0.272	0.264	0.231		
1,2-Dichloropropane	0.245	0.237	0.217	0.199	0.166		
cis-1,3-Dichloropropene	0.440	0.426	0.394	0.381	0.352		
Toluene	0.498	0.467	0.441	0.431	0.374		
trans-1,3-Dichloropropene	0.411	0.373	0.350	0.347	0.320		
1,1,2-Trichloroethane	0.257	0.278	0.256	0.247	0.213		
Tetrachloroethene	0.328	0.359	0.337	0.329	0.274		
Chlorobenzene *	0.615	0.645	0.591	0.553	0.440		*
Ethylbenzene	1.089	1.073	0.982	0.905	0.727		
Xylene (m,p)	0.373	0.381	0.342	0.302	0.216		
Styrene	0.595	0.642	0.595	0.532	0.412		
Xylene (o)	0.358	0.371	0.348	0.316	0.247		
1,1,2,2-Tetrachloroethane	0.639	0.684	0.640	0.578	0.495		
1,3-Dichlorobenzene	0.524	0.565	0.546	0.531	0.472		
1,4-Dichlorobenzene	0.522	0.554	0.530	0.510	0.448		
1,2-Dichlorobenzene	0.456	0.498	0.482	0.465	0.415		
1,2,4-Trichlorobenzene	0.237	0.253	0.241	0.199			
Hexachlorobutadiene	0.254	0.244	0.218	0.172			
1,3,5-Trimethylbenzene	1.053	1.125	0.911	0.885	0.680		
1,2,4-Trimethylbenzene	0.848	0.918	0.863	0.826	0.693		
1,2-Dichlorotetrafluoroethan	2.046	2.527	2.304	2.268	2.044		

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 100226

Instrument ID: V Calibration Date(s): 06/08/04 06/08/04

Heated Purge: (Y/N) N Calibration Time(s): 1201 1541

GC Column: RTX-624 ID: 0.32 (mm)

LAB FILE ID: RRF0.5=EF0005I2 RRF5 =EF005
RRF10 =EF010 RRF20 =EF020 RRF40 =EF040

COMPOUND	RRF0.5	RRF5	RRF10	RRF20	RRF40	$\overline{RRF}$	% RSD
1,2-Dibromoethane	0.563	0.584	0.540	0.512	0.445		
1,3-Butadiene	0.550	0.565	0.498	0.491	0.468		
Carbon Disulfide	2.666	2.877	2.572	2.480	2.264		
Acetone		1.434	1.258	1.239	1.145		
Isopropyl Alcohol		1.619	1.482	1.363	1.299		
Methyl tert-Butyl Ether	2.400	2.665	2.459	2.411	2.138		
Cyclohexane	0.288	0.265	0.235	0.217	0.179		
Dibromochloromethane	0.670	0.698	0.653	0.633	0.547		
Methyl Ethyl Ketone	0.524	0.516	0.460	0.429	0.387		
Methyl Isobutyl Ketone	0.560	0.559	0.523	0.521	0.492		
Methyl Butyl Ketone	0.621	0.608	0.567	0.544	0.504		
Bromodichloromethane	0.546	0.578	0.533	0.514	0.447		
trans-1,2-Dichloroethene	1.208	1.392	1.248	1.209	1.085		
4-Ethyltoluene	1.041	1.173	1.199	1.087	0.928		
2-Chlorotoluene	0.946	0.970	0.892	0.807	0.632		
n-Hexane	1.148	1.799	1.191	1.224	0.996		
Tetrahydrofuran		0.281	0.247	0.242	0.180		
n-Heptane	0.330	0.329	0.296	0.277	0.231		

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 100226

Instrument ID: V Calibration Date(s): 06/08/04 06/08/04

Heated Purge: (Y/N) N Calibration Time(s): 1201 1541

GC Column: RTX-624 ID: 0.32 (mm)

LAB FILE ID: RRF15 =EF015

COMPOUND	RRF15					$\overline{RRF}$	% RSD
Dichlorodifluoromethane						2.314	16.9
Chloromethane						0.634	8.6
Vinyl Chloride						0.816	16.6
Bromomethane						0.864	8.1
Chloroethane						0.433	8.5
Trichlorofluoromethane						2.346	7.8
Freon TF						1.679	10.3
1,1-Dichloroethene						0.730	10.0
Methylene Chloride						1.059	22.9
1,1-Dichloroethane *						1.511	11.1*
cis-1,2-Dichloroethene						0.897	11.0
Chloroform						2.037	8.4
1,1,1-Trichloroethane						0.451	10.6
Carbon Tetrachloride						0.515	7.7
Benzene						0.554	11.0
1,2-Dichloroethane						0.305	10.5
Trichloroethene						0.272	10.3
1,2-Dichloropropane						0.213	15.0
cis-1,3-Dichloropropene						0.399	8.9
Toluene						0.442	10.4
trans-1,3-Dichloropropene						0.360	9.4
1,1,2-Trichloroethane						0.250	9.5
Tetrachloroethene						0.325	9.7
Chlorobenzene *						0.569	13.9*
Ethylbenzene						0.955	15.4
Xylene (m,p)						0.323	20.9
Styrene						0.555	16.0
Xylene (o)						0.328	15.1
1,1,2,2-Tetrachloroethane						0.607	12.0
1,3-Dichlorobenzene						0.528	6.6
1,4-Dichlorobenzene						0.513	7.7
1,2-Dichlorobenzene						0.463	6.8
1,2,4-Trichlorobenzene	0.210					0.228	10.0
Hexachlorobutadiene	0.194					0.216	15.7
1,3,5-Trimethylbenzene						0.931	18.4
1,2,4-Trimethylbenzene						0.830	10.1
1,2-Dichlorotetrafluoroethan						2.238	9.0

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

CLICK TO CONTINUE

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 100226

Instrument ID: V Calibration Date(s): 06/08/04 06/08/04

Heated Purge: (Y/N) N Calibration Time(s): 1201 1541

GC Column: RTX-624 ID: 0.32 (mm)

LAB FILE ID: RRF15 =EF015

COMPOUND	RRF15					$\overline{RRF}$	% RSD
1,2-Dibromoethane						0.529	10.2
1,3-Butadiene						0.514	8.0
Carbon Disulfide						2.572	8.8
Acetone	1.253					1.266	8.3
Isopropyl Alcohol	1.432					1.439	8.5
Methyl tert-Butyl Ether						2.415	7.8
Cyclohexane						0.237	17.8
Dibromochloromethane						0.640	9.0
Methyl Ethyl Ketone						0.463	12.6
Methyl Isobutyl Ketone						0.531	5.4
Methyl Butyl Ketone						0.569	8.4
Bromodichloromethane						0.524	9.3
trans-1,2-Dichloroethene						1.228	9.0
4-Ethyltoluene						1.086	10.0
2-Chlorotoluene						0.849	16.1
n-Hexane						1.272	24.2
Tetrahydrofuran	0.253					0.241	15.4
n-Heptane						0.293	14.1

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.