BL

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

June 22, 2004

Mr. John Grathwol
Bureau of Construction Services
New York State Department of
Environmental Conservation
12th Floor
625 Broadway
Albany NY 12233-7013

RECEIVED
JUN 2 4 2004
DER/HAZ. WASTE REMED
REGION 8

Re: Urbana Landfill - NYSDEC Site No. 8-51-007
SVE System Termination Request

Dear Mr. Grathwol:

Per our January 15th and March 8th, 2004 correspondence, we have prepared this request for termination of SVE system operations at the Urbana Landfill Site. As indicated in our January 15th letter, 2002 and 2003 sample data for the system showed a significant decrease in concentration of the RI-defined constituents of concern (COCs) within Hot Spot 5 (i.e., 1,1-dichloroethene, 1,1,1-trichloroethene and trichloroethene), as well as total VOCs. We subsequently agreed, however, that the system would be restarted in Spring of 2004 and resampled upon startup and again following a two-week shutdown to determine if there is significant value in cycling of the system.

Based on this agreed approach, the SVE system was restarted on April 15th, 2004 and operated continuously through May 19th, at which point it was temporarily shut-down. The unit was restarted on June 3rd, 2004. Air samples were collected from the SVE intake immediately following startup on both April 15th and June 3rd of this year.

Analytical results for April 15th and June 3rd, 2004 air samples are presented in Attachment 1 and summarized, along with 2002 and 2003 data, on Table 1. Analytical results for the COCs as well as total VOCs are plotted on concentration versus time plots presented as Figures 1 through 4. As shown on the figures, all sample events exhibit concentrations of the COCs significantly below the initial (top bar) concentrations reported during the RI/FS. In addition, following shut down and re-sampling the VOC concentrations did not exhibit significant spikes, and were in fact similar or lower in June of this year than they were at the end of the 2003 operating season.

We would appreciate your reply to this request at your earliest convenience. Please do not hesitate to contact us with any questions.

Sincerely,
Benchmark Environmental Engineering & Science, PLLC

Thomas H. Forbes, P.E.
Project Manager

C: R. Smith (Mercury Aircraft)
R. Long (NYSDEC – Region 8)

File: 0001-003-100, CG

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

TABLE 1

SVE System Air Sample Analytical Summary
Urbana Landfill
Mercury Aircraft, Inc.

Parameter	Sample Date and Concentration (ppbv)						
	Initial Soil Gas Conc.[1] 06/20/96	07/29/02	11/05/02	05/12/03	10/30/03	04/15/04	06/03/04
Dichlorodifluoromethane	--	ND	ND	38 D	28	34 D	15
Chloromethane	--	ND	ND	ND	ND	ND	ND
Vinyl Chloride	--	ND	ND	210 D	ND	84 D	4
Bromomethane	--	ND	ND	ND	ND	ND	ND
Chloroethane	--	1.5	ND	97 D	ND	93 D	5
Trichlorofluoromethane	--	6.7	14	4.3	8.5	11	7.5
Freon TF	--	ND	10	0.52	ND	ND	ND
1,1-dichloroethene	8928	4.1	7.9	14	ND	1.3	ND
Methylene Chloride	--	ND	ND	0.68	ND	0.52	0.78
1,1-dichloroethane	--	9.3	7.8	12	3.7	2.3	5.2
cis-1,2-dichloroethene	--	20	92 D	39	6.3	5.2	1.1
Chloroform	--	ND	ND	ND	ND	0.5	ND
1,1,1-trichloroethane	21624	33	75 D	10	6.6	0.86	3.5
Carbon tetrachloride	--	ND	7.2	ND	ND	ND	ND
Benzene	--	0.58	0.67	3.3	ND	2.5	ND
1,2-Dichloroethane	--	ND	ND	ND	ND	ND	ND
Trichloroethene	38452	39	110 D	28	16	7.2	5.4
1,2-Dichloropropane	--	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	--	ND	ND	ND	ND	ND	ND
Toluene	--	65	0.64	4.2	1.0	5.0	33.0
trans-1,3-Dichloropropene	--	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	--	ND	ND	ND	ND	ND	ND
Tetrachloroethene	--	1.8	2.8	0.67	1.4	ND	3.4
Chlorobenzene	--	ND	ND	ND	ND	ND	ND
Ethylbenzene	--	2.3	ND	1.2	ND	0.88	1.4
Xylene (m,p)	--	6.7	0.78	2.6	ND	2.5	2.1
Styrene	--	1.0	ND	ND	ND	ND	1.1
Xylene (o)	--	2.6	ND	0.94	ND	0.96	0.8
1,1,2,2-Tetrachloroethane	--	ND	ND	ND	ND	ND	ND

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

TABLE 1

SVE System Air Sample Analytical Summary
Urbana Landfill
Mercury Aircraft, Inc.

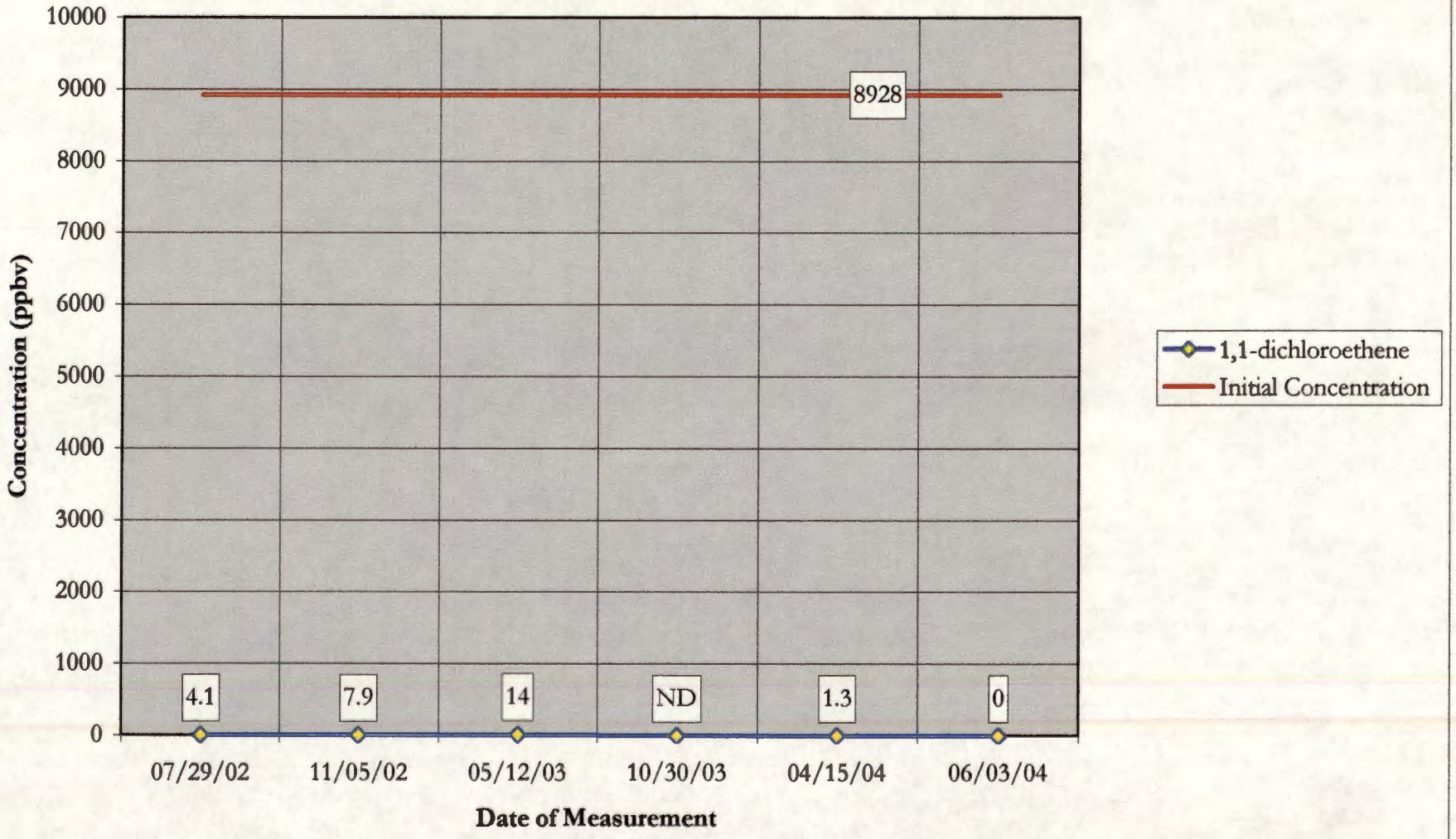
Parameter	Sample Date and Concentration (ppbv)						
	Initial Soil Gas Conc. [1] 06/20/96	07/29/02	11/05/02	05/12/03	10/30/03	04/15/04	06/03/04
1,3-Dichlorobenzene	--	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	--	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	--	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	--	ND	1.2	ND	ND	ND	ND
Hexachlorobutadiene	--	ND	0.7	ND	ND	ND	ND
1,3,5-trimethylbenzene	--	3.0	ND	0.76	ND	0.34	ND
1,2,4-trimethylbenzene	--	5.9	ND	1.5	ND	0.87	0.83
1,2-Dichlorotetrafluoroethane	--	ND	5.5 D	31	2.5	9.2	3
1,2-Dibromoethane	--	ND	ND	ND	ND	ND	ND
1,3-Butadiene	--	ND	ND	ND	ND	ND	ND
Carbon disulfide	--	0.96	0.93	0.51	1.0	0.74	2.10
Cyclohexane	--	ND	0.75	3.2	ND	1.1	ND
n-Heptane	--	ND	ND	4.0	ND	2.1	ND
Dibromochloromethane	--	ND	ND	ND	ND	ND	ND
n-Hexane	--	2.8	4.2	23	0.5	4.8	ND
Bromoform	--	ND	ND	ND	ND	ND	ND
Bromodichloromethane	--	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	--	ND	5.2	ND	ND	ND	ND
4-Ethyltoluene	--	4.8	ND	1.1	ND	0.79	ND
3-Chloropropene	--	ND	ND	ND	ND	ND	ND
2,2,4-trimethylpentane	--	6.5	ND	5.3	ND	2.1	0.5
Bromoethene	--	ND	ND	ND	ND	ND	ND
2-chlorotoluene	--	1.9	ND	ND	ND	ND	ND
TOTAL VOCs	**69004**	**219.44**	**347.27**	**536.78**	**75.5**	**273.76**	**96.01**

Notes:

1. Highlighted parameters were identified as Hot Spot 5 soil vapor constituents of concern (COC) in the RI Human Health Risk Assessment (CDM 1997). Initial concentration values are as reported in the RI Report.
2. " -- " = concentration was not reported in the 1997 RI Report prepared by CDM.
3. " D " = quantifier indicating compound was analyzed at a secondary dilution factor.
4. " ND " = compound was not detected above method detection limit.

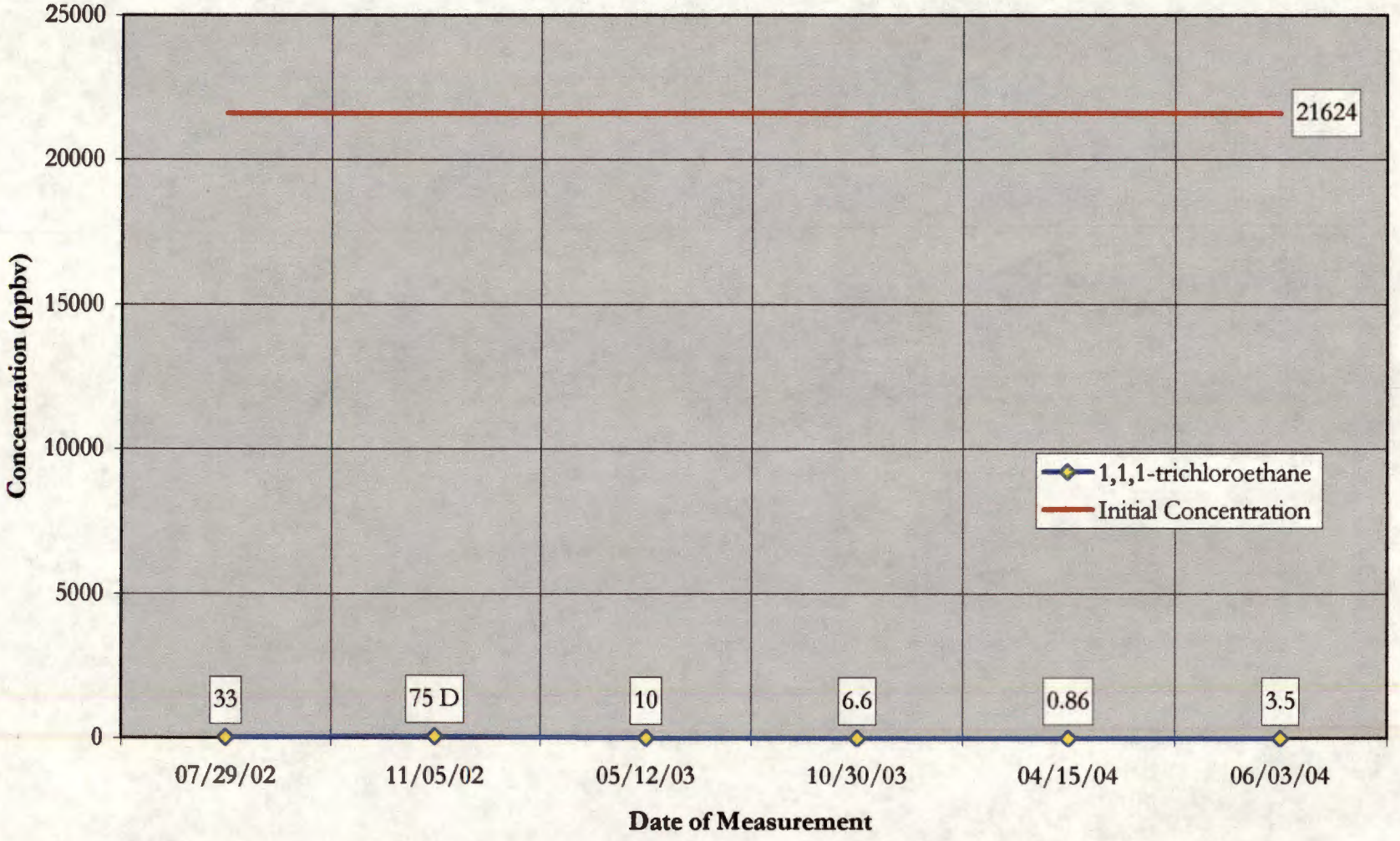
BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

FIGURE 1
URBANA LANDFILL
SVE SYSTEM ANALYSIS SUMMARY
1-1,DCE



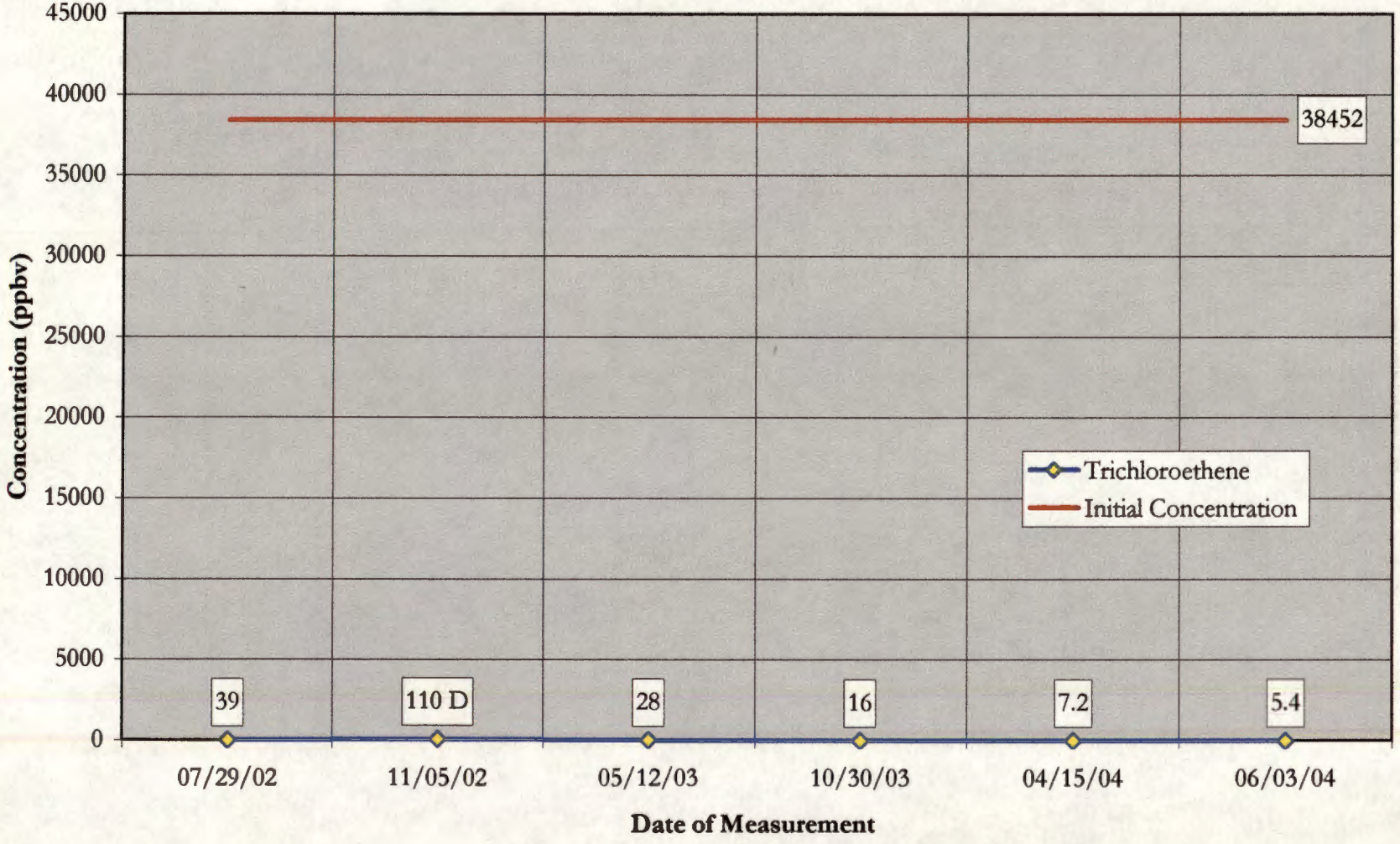
BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

FIGURE 2
URBANA LANDFILL
SVE SYSTEM ANALYSIS SUMMARY
1,1,1-TRICHLOROETHANE



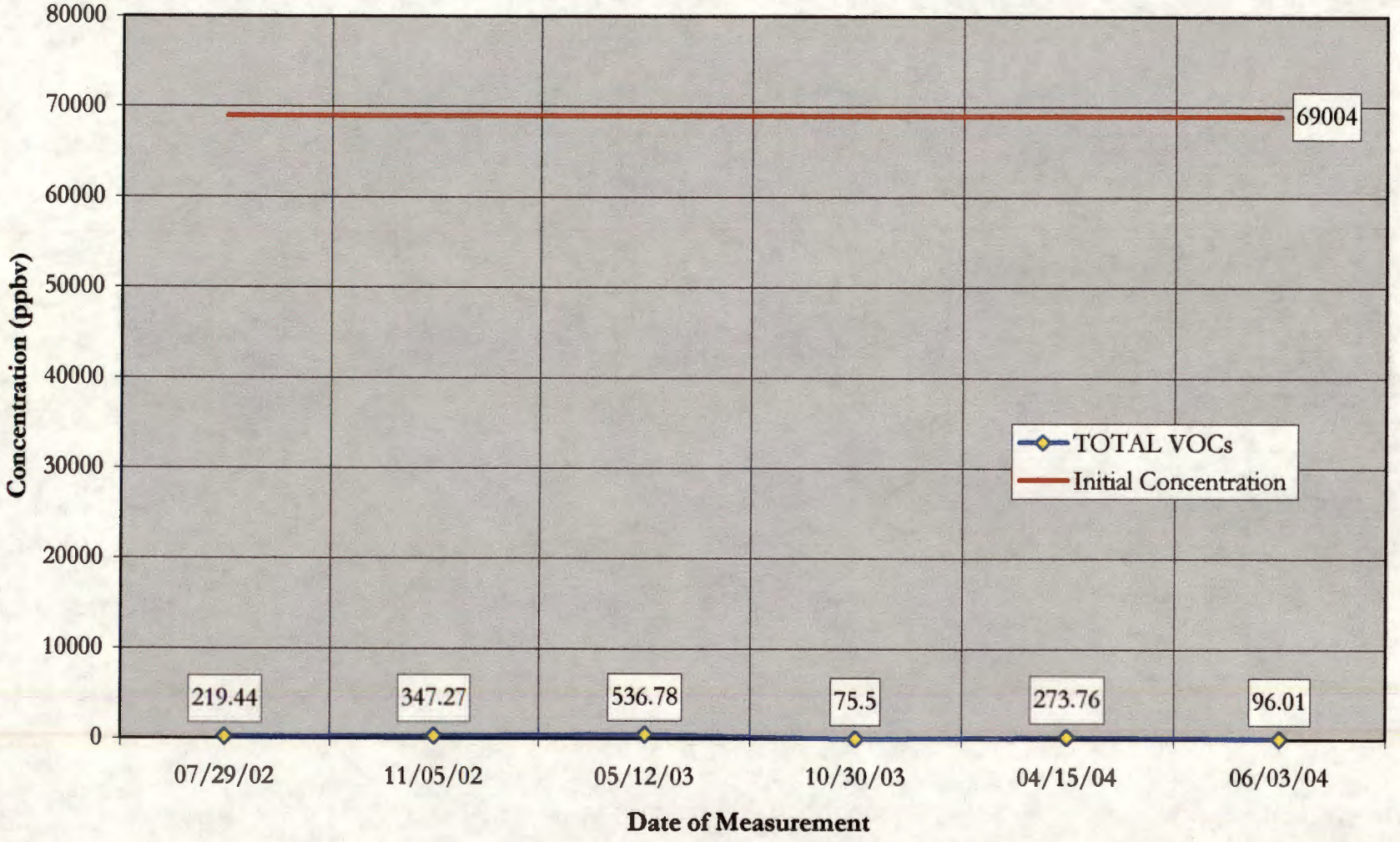
BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

FIGURE 3
URBANA LANDFILL
SVE SYSTEM ANALYSIS SUMMARY
TRICHLOROETHENE



BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

FIGURE 4
URBANA LANDFILL
SVE SYSTEM ANALYSIS SUMMARY
TOTAL VOCS



ATTACHMENT 1

SVE SYSTEM AIR SAMPLE DATA

APRIL 2004 & JUNE 2004

BENCHMARK

STL Burlington
Colchester, Vermont

Sample Data Summary Package

SDG: 99623

SEVERN TRENT STL

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

Tel: 802 655 1203 Fax: 802 655 1248
www.stl-inc.com

April 23, 2004

Mr. Tom Forbes
Benchmark Environmental
Key Tower
50 Fountain Plaza, Suite 1350
Buffalo, NY 14202

Re: Laboratory Project No. 24000
Case 24000; SDG: 99623

Dear Mr. Forges:

Enclosed are the analytical results for samples received by STL Burlington on April 16, 2004. This report is sequentially numbered starting with page 0001 and ending with page 0159. Laboratory numbers have been assigned and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 04/16/04	ETR No: 99623	
567313	SVE-1	04/15/04	Air

Documentation of the condition of the samples at the time their receipt and any exceptions to the laboratory's Sample Acceptance Policy is included in the Sample Handling section of this submittal.

The original volatile organic analysis of sample SVE-1 yielded the presence of target compounds at concentrations above calibration range. This sample was re-analyzed at a four-fold dilution yielding acceptable results. Both sets of data have been presented in this case submittal.

The analytical results presented in this data report were generated under a quality system that adheres to the requirements specified in the NELAC standard. This report shall not be reproduced, except in full, without the written approval of the laboratory. The release of the data in this report is authorized by the Laboratory Director or his designee, as verified by the following signature.

If there are any questions regarding this submittal, please contact Ron Pentkowski at (802) 655-1203.

Sincerely,

Michael F. Wheeler, Ph.D.
Laboratory Director

Enclosure

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SVE-1

Lab Name: STL Burlington

SDG Number: 99623

Case Number:

Sample Matrix: Air

Lab Sample No.: 567313

Date Analyzed: 04/16/2004

Date Received: 04/16/2004

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Dichlorodifluoromethane	75-71-8	41	E	0.50	200	E	2.5
Chloromethane	74-87-3	0.50	U	0.50	1.0	U	1.0
Vinyl Chloride	75-01-4	98	E	0.50	250	E	1.3
Bromomethane	74-83-9	0.50	U	0.50	1.9	U	1.9
Chloroethane	75-00-3	100	E	0.50	260	E	1.3
Trichlorofluoromethane	75-69-4	11		0.50	62		2.8
Freon TF	76-13-1	0.50	U	0.50	3.8	U	3.8
1,1-Dichloroethene	75-35-4	1.3		0.50	5.2		2.0
Methylene Chloride	75-09-2	0.52		0.50	1.8		1.7
1,1-Dichloroethane	75-34-3	2.3		0.50	9.3		2.0
cis-1,2-Dichloroethene	156-59-2	5.2		0.50	21		2.0
Chloroform	67-66-3	0.50	U	0.50	2.4	U	2.4
1,1,1-Trichloroethane	71-55-6	0.86		0.50	4.7		2.7
Carbon Tetrachloride	56-23-5	0.50	U	0.50	3.1	U	3.1
Benzene	71-43-2	2.5		0.50	8.0		1.6
1,2-Dichloroethane	107-06-2	0.50	U	0.50	2.0	U	2.0
Trichloroethene	79-01-6	7.2		0.50	39		2.7
1,2-Dichloropropane	78-87-5	0.50	U	0.50	2.3	U	2.3
cis-1,3-Dichloropropene	10061-01-5	0.50	U	0.50	2.3	U	2.3
Toluene	108-88-3	5.0		0.50	19		1.9
trans-1,3-Dichloropropene	10061-02-6	0.50	U	0.50	2.3	U	2.3
1,1,2-Trichloroethane	79-00-5	0.50	U	0.50	2.7	U	2.7
Tetrachloroethene	127-18-4	0.50	U	0.50	3.4	U	3.4
Chlorobenzene	108-90-7	0.50	U	0.50	2.3	U	2.3
Ethylbenzene	100-41-4	0.88		0.50	3.8		2.2
Xylene (m,p)	1330-20-7	2.5		0.50	11		2.2
Styrene	100-42-5	0.50	U	0.50	2.1	U	2.1
Xylene (o)	95-47-6	0.96		0.50	4.2		2.2
1,1,2,2-Tetrachloroethane	79-34-5	0.50	U	0.50	3.4	U	3.4
1,3-Dichlorobenzene	541-73-1	0.50	U	0.50	3.0	U	3.0
1,4-Dichlorobenzene	106-46-7	0.50	U	0.50	3.0	U	3.0
1,2-Dichlorobenzene	95-50-1	0.50	U	0.50	3.0	U	3.0

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SVE-1

Lab Name: STL Burlington

SDG Number: 99623

Case Number:

Sample Matrix: Air

Lab Sample No.: 567313

Date Analyzed: 04/16/2004

Date Received: 04/16/2004

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
1,2,4-Trichlorobenzene	120-82-1	0.50	U	0.50	3.7	U	3.7
Hexachlorobutadiene	87-68-3	0.50	U	0.50	5.3	U	5.3
1,3,5-Trimethylbenzene	108-67-8	0.34	J	0.50	1.7	J	2.5
1,2,4-Trimethylbenzene	95-63-6	0.87		0.50	4.3		2.5
1,2-Dichlorotetrafluoroethane	76-14-2	9.2		0.50	64		3.5
1,2-Dibromoethane	106-93-4	0.50	U	0.50	3.8	U	3.8
1,3-Butadiene	106-99-0	0.50	U	0.50	1.1	U	1.1
Carbon Disulfide	75-15-0	0.74		0.50	2.3		1.6
Cyclohexane	110-82-7	1.1		0.50	3.8		1.7
Dibromochloromethane	124-48-1	0.50	U	0.50	4.3	U	4.3
Bromoform	75-25-2	0.50	U	0.50	5.2	U	5.2
Bromodichloromethane	75-27-4	0.50	U	0.50	3.4	U	3.4
trans-1,2-Dichloroethene	156-60-5	0.50	U	0.50	2.0	U	2.0
4-Ethyltoluene	622-96-8	0.79		0.50	3.9		2.5
3-Chloropropene	107-05-1	0.50	U	0.50	1.6	U	1.6
2,2,4-Trimethylpentane	540-84-1	2.1		0.50	9.8		2.3
Bromoethene	593-60-2	0.50	U	0.50	2.2	U	2.2
2-Chlorotoluene	95-49-8	0.50	U	0.50	2.6	U	2.6
n-Hexane	110-54-3	4.8		0.50	17		1.8
n-Heptane	142-82-5	2.1		0.50	8.6		2.0

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SVE-1DL

Lab Name: STL Burlington

SDG Number: 99623

Case Number:

Sample Matrix: Air

Lab Sample No.: 567313D1

Date Analyzed: 04/16/2004

Date Received: 04/16/2004

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Dichlorodifluoromethane	75-71-8	34	D	2.0	170	D	9.9
Chloromethane	74-87-3	2.0	U	2.0	4.1	U	4.1
Vinyl Chloride	75-01-4	84	D	2.0	210	D	5.1
Bromomethane	74-83-9	2.0	U	2.0	7.8	U	7.8
Chloroethane	75-00-3	93	D	2.0	250	D	5.3
Trichlorofluoromethane	75-69-4	9.8	D	2.0	55	D	11
Freon TF	76-13-1	2.0	U	2.0	15	U	15
1,1-Dichloroethene	75-35-4	2.0	U	2.0	7.9	U	7.9
Methylene Chloride	75-09-2	2.0	U	2.0	6.9	U	6.9
1,1-Dichloroethane	75-34-3	2.1	D	2.0	8.5	D	8.1
cis-1,2-Dichloroethene	156-59-2	4.9	D	2.0	19	D	7.9
Chloroform	67-66-3	2.0	U	2.0	9.8	U	9.8
1,1,1-Trichloroethane	71-55-6	2.0	U	2.0	11	U	11
Carbon Tetrachloride	56-23-5	2.0	U	2.0	13	U	13
Benzene	71-43-2	2.4	D	2.0	7.7	D	6.4
1,2-Dichloroethane	107-06-2	2.0	U	2.0	8.1	U	8.1
Trichloroethene	79-01-6	6.4	D	2.0	34	D	11
1,2-Dichloropropane	78-87-5	2.0	U	2.0	9.2	U	9.2
cis-1,3-Dichloropropene	10061-01-5	2.0	U	2.0	9.1	U	9.1
Toluene	108-88-3	4.7	D	2.0	18	D	7.5
trans-1,3-Dichloropropene	10061-02-6	2.0	U	2.0	9.1	U	9.1
1,1,2-Trichloroethane	79-00-5	2.0	U	2.0	11	U	11
Tetrachloroethene	127-18-4	2.0	U	2.0	14	U	14
Chlorobenzene	108-90-7	2.0	U	2.0	9.2	U	9.2
Ethylbenzene	100-41-4	2.0	U	2.0	8.7	U	8.7
Xylene (m,p)	1330-20-7	2.4	D	2.0	10	D	8.7
Styrene	100-42-5	2.0	U	2.0	8.5	U	8.5
Xylene (o)	95-47-6	2.0	U	2.0	8.7	U	8.7
1,1,2,2-Tetrachloroethane	79-34-5	2.0	U	2.0	14	U	14
1,3-Dichlorobenzene	541-73-1	2.0	U	2.0	12	U	12
1,4-Dichlorobenzene	106-46-7	2.0	U	2.0	12	U	12
1,2-Dichlorobenzene	95-50-1	2.0	U	2.0	12	U	12

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SVE-1DL

Lab Name: STL Burlington

SDG Number: 99623

Case Number:

Sample Matrix: Air

Lab Sample No.: 567313D1

Date Analyzed: 04/16/2004

Date Received: 04/16/2004

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
1,2,4-Trichlorobenzene	120-82-1	2.0	U	2.0	15	U	15
Hexachlorobutadiene	87-68-3	2.0	U	2.0	21	U	21
1,3,5-Trimethylbenzene	108-67-8	2.0	U	2.0	9.8	U	9.8
1,2,4-Trimethylbenzene	95-63-6	2.0	U	2.0	9.8	U	9.8
1,2-Dichlorotetrafluoroethane	76-14-2	8.0	D	2.0	56	D	14
1,2-Dibromoethane	106-93-4	2.0	U	2.0	15	U	15
1,3-Butadiene	106-99-0	2.0	U	2.0	4.4	U	4.4
Carbon Disulfide	75-15-0	2.0	U	2.0	6.2	U	6.2
Cyclohexane	110-82-7	2.0	U	2.0	6.9	U	6.9
Dibromochloromethane	124-48-1	2.0	U	2.0	17	U	17
Bromoform	75-25-2	2.0	U	2.0	21	U	21
Bromodichloromethane	75-27-4	2.0	U	2.0	13	U	13
trans-1,2-Dichloroethene	156-60-5	2.0	U	2.0	7.9	U	7.9
4-Ethyltoluene	622-96-8	2.0	U	2.0	9.8	U	9.8
3-Chloropropene	107-05-1	2.0	U	2.0	6.3	U	6.3
2,2,4-Trimethylpentane	540-84-1	2.0	U	2.0	9.3	U	9.3
Bromoethene	593-60-2	2.0	U	2.0	8.7	U	8.7
2-Chlorotoluene	95-49-8	2.0	U	2.0	10	U	10
n-Hexane	110-54-3	4.3	D	2.0	15	D	7.0
n-Heptane	142-82-5	2.2	D	2.0	9.0	D	8.2

TO-14/15
Result Summary

CLIENT SAMPLE NO.

ABLKP4

Lab Name: STL Burlington

SDG Number: 99623

Case Number:

Sample Matrix: AIR

Lab Sample No.: ABLKP4

Date Analyzed: 04/16/2004

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Dichlorodifluoromethane	75-71-8	0.50	U	0.50	2.5	U	2.5
Chloromethane	74-87-3	0.50	U	0.50	1.0	U	1.0
Vinyl Chloride	75-01-4	0.50	U	0.50	1.3	U	1.3
Bromomethane	74-83-9	0.50	U	0.50	1.9	U	1.9
Chloroethane	75-00-3	0.50	U	0.50	1.3	U	1.3
Trichlorofluoromethane	75-69-4	0.50	U	0.50	2.8	U	2.8
Freon TF	76-13-1	0.50	U	0.50	3.8	U	3.8
1,1-Dichloroethene	75-35-4	0.50	U	0.50	2.0	U	2.0
Methylene Chloride	75-09-2	0.50	U	0.50	1.7	U	1.7
1,1-Dichloroethane	75-34-3	0.50	U	0.50	2.0	U	2.0
cis-1,2-Dichloroethene	156-59-2	0.50	U	0.50	2.0	U	2.0
Chloroform	67-66-3	0.50	U	0.50	2.4	U	2.4
1,1,1-Trichloroethane	71-55-6	0.50	U	0.50	2.7	U	2.7
Carbon Tetrachloride	56-23-5	0.50	U	0.50	3.1	U	3.1
Benzene	71-43-2	0.50	U	0.50	1.6	U	1.6
1,2-Dichloroethane	107-06-2	0.50	U	0.50	2.0	U	2.0
Trichloroethene	79-01-6	0.50	U	0.50	2.7	U	2.7
1,2-Dichloropropane	78-87-5	0.50	U	0.50	2.3	U	2.3
cis-1,3-Dichloropropene	10061-01-5	0.50	U	0.50	2.3	U	2.3
Toluene	108-88-3	0.50	U	0.50	1.9	U	1.9
trans-1,3-Dichloropropene	10061-02-6	0.50	U	0.50	2.3	U	2.3
1,1,2-Trichloroethane	79-00-5	0.50	U	0.50	2.7	U	2.7
Tetrachloroethene	127-18-4	0.50	U	0.50	3.4	U	3.4
Chlorobenzene	108-90-7	0.50	U	0.50	2.3	U	2.3
Ethylbenzene	100-41-4	0.50	U	0.50	2.2	U	2.2
Xylene (m,p)	1330-20-7	0.50	U	0.50	2.2	U	2.2
Styrene	100-42-5	0.50	U	0.50	2.1	U	2.1
Xylene (o)	95-47-6	0.50	U	0.50	2.2	U	2.2
1,1,2,2-Tetrachloroethane	79-34-5	0.50	U	0.50	3.4	U	3.4
1,3-Dichlorobenzene	541-73-1	0.50	U	0.50	3.0	U	3.0
1,4-Dichlorobenzene	106-46-7	0.50	U	0.50	3.0	U	3.0
1,2-Dichlorobenzene	95-50-1	0.50	U	0.50	3.0	U	3.0

TO-14/15
Result Summary

CLIENT SAMPLE NO.

ABLKP4

Lab Name: STL Burlington

SDG Number: 99623

Case Number:

Sample Matrix: AIR

Lab Sample No.: ABLKP4

Date Analyzed: 04/16/2004

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
1,2,4-Trichlorobenzene	120-82-1	0.50	U	0.50	3.7	U	3.7
Hexachlorobutadiene	87-68-3	0.50	U	0.50	5.3	U	5.3
1,3,5-Trimethylbenzene	108-67-8	0.50	U	0.50	2.5	U	2.5
1,2,4-Trimethylbenzene	95-63-6	0.50	U	0.50	2.5	U	2.5
1,2-Dichlorotetrafluoroethane	76-14-2	0.50	U	0.50	3.5	U	3.5
1,2-Dibromoethane	106-93-4	0.50	U	0.50	3.8	U	3.8
1,3-Butadiene	106-99-0	0.50	U	0.50	1.1	U	1.1
Carbon Disulfide	75-15-0	0.50	U	0.50	1.6	U	1.6
Cyclohexane	110-82-7	0.50	U	0.50	1.7	U	1.7
Dibromochloromethane	124-48-1	0.50	U	0.50	4.3	U	4.3
Bromoform	75-25-2	0.50	U	0.50	5.2	U	5.2
Bromodichloromethane	75-27-4	0.50	U	0.50	3.4	U	3.4
trans-1,2-Dichloroethene	156-60-5	0.50	U	0.50	2.0	U	2.0
4-Ethyltoluene	622-96-8	0.50	U	0.50	2.5	U	2.5
3-Chloropropene	107-05-1	0.50	U	0.50	1.6	U	1.6
2,2,4-Trimethylpentane	540-84-1	0.50	U	0.50	2.3	U	2.3
Bromoethene	593-60-2	0.50	U	0.50	2.2	U	2.2
2-Chlorotoluene	95-49-8	0.50	U	0.50	2.6	U	2.6
n-Hexane	110-54-3	0.50	U	0.50	1.8	U	1.8
n-Heptane	142-82-5	0.50	U	0.50	2.0	U	2.0

TO-14/15
Result Summary

CLIENT SAMPLE NO.

P4LCS

Lab Name: STL Burlington

SDG Number: 99623

Case Number:

Sample Matrix: AIR

Lab Sample No.: P4LCS

Date Analyzed: 04/16/2004

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Dichlorodifluoromethane	75-71-8	9.6		0.50	47		2.5
Chloromethane	74-87-3	9.5		0.50	20		1.0
Vinyl Chloride	75-01-4	9.7		0.50	25		1.3
Bromomethane	74-83-9	9.4		0.50	37		1.9
Chloroethane	75-00-3	9.6		0.50	25		1.3
Trichlorofluoromethane	75-69-4	9.7		0.50	54		2.8
Freon TF	76-13-1	9.0		0.50	69		3.8
1,1-Dichloroethene	75-35-4	8.7		0.50	34		2.0
Methylene Chloride	75-09-2	8.1		0.50	28		1.7
1,1-Dichloroethane	75-34-3	8.6		0.50	35		2.0
cis-1,2-Dichloroethene	156-59-2	8.4		0.50	33		2.0
Chloroform	67-66-3	8.6		0.50	42		2.4
1,1,1-Trichloroethane	71-55-6	8.6		0.50	47		2.7
Carbon Tetrachloride	56-23-5	8.8		0.50	55		3.1
Benzene	71-43-2	8.3		0.50	27		1.6
1,2-Dichloroethane	107-06-2	8.7		0.50	35		2.0
Trichloroethene	79-01-6	8.4		0.50	45		2.7
1,2-Dichloropropane	78-87-5	8.6		0.50	40		2.3
cis-1,3-Dichloropropene	10061-01-5	8.6		0.50	39		2.3
Toluene	108-88-3	8.3		0.50	31		1.9
trans-1,3-Dichloropropene	10061-02-6	8.8		0.50	40		2.3
1,1,2-Trichloroethane	79-00-5	8.4		0.50	46		2.7
Tetrachloroethene	127-18-4	8.0		0.50	54		3.4
Chlorobenzene	108-90-7	8.4		0.50	39		2.3
Ethylbenzene	100-41-4	8.4		0.50	36		2.2
Xylene (m,p)	1330-20-7	17		0.50	74		2.2
Styrene	100-42-5	8.6		0.50	37		2.1
Xylene (o)	95-47-6	8.7		0.50	38		2.2
1,1,2,2-Tetrachloroethane	79-34-5	9.3		0.50	64		3.4
1,3-Dichlorobenzene	541-73-1	9.2		0.50	55		3.0
1,4-Dichlorobenzene	106-46-7	9.2		0.50	55		3.0
1,2-Dichlorobenzene	95-50-1	9.3		0.50	56		3.0

TO-14/15
Result Summary

CLIENT SAMPLE NO.

P4LCS

Lab Name: STL Burlington

SDG Number: 99623

Case Number:

Sample Matrix: AIR

Lab Sample No.: P4LCS

Date Analyzed: 04/16/2004

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
1,2,4-Trichlorobenzene	120-82-1	9.6		0.50	71		3.7
Hexachlorobutadiene	87-68-3	9.0		0.50	96		5.3
1,3,5-Trimethylbenzene	108-67-8	9.2		0.50	45		2.5
1,2,4-Trimethylbenzene	95-63-6	9.1		0.50	45		2.5
1,2-Dichlorotetrafluoroethane	76-14-2	9.6		0.50	67		3.5
1,2-Dibromoethane	106-93-4	8.5		0.50	65		3.8
1,3-Butadiene	106-99-0	9.4		0.50	21		1.1
Carbon Disulfide	75-15-0	8.7		0.50	27		1.6
Cyclohexane	110-82-7	8.3		0.50	29		1.7
Dibromochloromethane	124-48-1	8.8		0.50	75		4.3
Bromoform	75-25-2	9.1		0.50	94		5.2
Bromodichloromethane	75-27-4	8.7		0.50	58		3.4
trans-1,2-Dichloroethene	156-60-5	8.6		0.50	34		2.0
4-Ethyltoluene	622-96-8	8.6		0.50	42		2.5
3-Chloropropene	107-05-1	8.6		0.50	27		1.6
2,2,4-Trimethylpentane	540-84-1	8.3		0.50	39		2.3
Bromoethene	593-60-2	9.5		0.50	42		2.2
2-Chlorotoluene	95-49-8	9.2		0.50	48		2.6
n-Hexane	110-54-3	8.5		0.50	30		1.8
n-Heptane	142-82-5	8.4		0.50	34		2.0

TO-14/15
Result Summary

CLIENT SAMPLE NO.

P4LCSD

Lab Name: STL Burlington

SDG Number: 99623

Case Number:

Sample Matrix: AIR

Lab Sample No.: P4LCSD

Date Analyzed: 04/16/2004

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Dichlorodifluoromethane	75-71-8	8.6		0.50	43		2.5
Chloromethane	74-87-3	8.5		0.50	18		1.0
Vinyl Chloride	75-01-4	8.7		0.50	22		1.3
Bromomethane	74-83-9	8.5		0.50	33		1.9
Chloroethane	75-00-3	8.5		0.50	22		1.3
Trichlorofluoromethane	75-69-4	8.7		0.50	49		2.8
Freon TF	76-13-1	8.3		0.50	64		3.8
1,1-Dichloroethene	75-35-4	8.0		0.50	32		2.0
Methylene Chloride	75-09-2	7.7		0.50	27		1.7
1,1-Dichloroethane	75-34-3	8.0		0.50	32		2.0
cis-1,2-Dichloroethene	156-59-2	7.9		0.50	31		2.0
Chloroform	67-66-3	8.0		0.50	39		2.4
1,1,1-Trichloroethane	71-55-6	8.0		0.50	44		2.7
Carbon Tetrachloride	56-23-5	8.1		0.50	51		3.1
Benzene	71-43-2	7.8		0.50	25		1.6
1,2-Dichloroethane	107-06-2	7.9		0.50	32		2.0
Trichloroethene	79-01-6	7.8		0.50	42		2.7
1,2-Dichloropropane	78-87-5	7.9		0.50	37		2.3
cis-1,3-Dichloropropene	10061-01-5	8.0		0.50	36		2.3
Toluene	108-88-3	7.9		0.50	30		1.9
trans-1,3-Dichloropropene	10061-02-6	8.0		0.50	36		2.3
1,1,2-Trichloroethane	79-00-5	8.0		0.50	44		2.7
Tetrachloroethene	127-18-4	7.6		0.50	52		3.4
Chlorobenzene	108-90-7	8.0		0.50	37		2.3
Ethylbenzene	100-41-4	8.0		0.50	35		2.2
Xylene (m,p)	1330-20-7	16		0.50	69		2.2
Styrene	100-42-5	8.1		0.50	35		2.1
Xylene (o)	95-47-6	8.1		0.50	35		2.2
1,1,2,2-Tetrachloroethane	79-34-5	8.6		0.50	59		3.4
1,3-Dichlorobenzene	541-73-1	8.6		0.50	52		3.0
1,4-Dichlorobenzene	106-46-7	8.6		0.50	52		3.0
1,2-Dichlorobenzene	95-50-1	8.6		0.50	52		3.0

TO-14/15
Result Summary

CLIENT SAMPLE NO.

P4LCSD

Lab Name: STL Burlington

SDG Number: 99623

Case Number:

Sample Matrix: AIR

Lab Sample No.: P4LCSD

Date Analyzed: 04/16/2004

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
1,2,4-Trichlorobenzene	120-82-1	9.4		0.50	70		3.7
Hexachlorobutadiene	87-68-3	8.6		0.50	92		5.3
1,3,5-Trimethylbenzene	108-67-8	8.8		0.50	43		2.5
1,2,4-Trimethylbenzene	95-63-6	8.6		0.50	42		2.5
1,2-Dichlorotetrafluoroethane	76-14-2	8.6		0.50	60		3.5
1,2-Dibromoethane	106-93-4	8.1		0.50	62		3.8
1,3-Butadiene	106-99-0	8.6		0.50	19		1.1
Carbon Disulfide	75-15-0	8.1		0.50	25		1.6
Cyclohexane	110-82-7	7.8		0.50	27		1.7
Dibromochloromethane	124-48-1	8.3		0.50	71		4.3
Bromoform	75-25-2	8.5		0.50	88		5.2
Bromodichloromethane	75-27-4	8.0		0.50	54		3.4
trans-1,2-Dichloroethene	156-60-5	8.0		0.50	32		2.0
4-Ethyltoluene	622-96-8	8.0		0.50	39		2.5
3-Chloropropene	107-05-1	7.9		0.50	25		1.6
2,2,4-Trimethylpentane	540-84-1	7.8		0.50	36		2.3
Bromoethene	593-60-2	8.7		0.50	38		2.2
2-Chlorotoluene	95-49-8	8.6		0.50	45		2.6
n-Hexane	110-54-3	8.0		0.50	28		1.8
n-Heptane	142-82-5	7.8		0.50	32		2.0

Benchmark Environmental Engineering
726 Exchange St. suite 624
Buffalo, NY 14210

SAMPLE COLLECTION LOG

DATE COLLECTED	DATE SHIPPED	BORING NO.	SAMPLE DEPTH	SAMPLE NO.	MATRIX TYPE	CONTAINER TYPE	ANALYSIS REQUESTED	RECEIVING LAB.	C.O.C. NO.	NOTES
4/15/04	4/15/04			SVE-1	AIR	Tedlar Bag	TO-15 VOCs FM List	STL Burlington		Analyze one sample for TO-15 VOCs (second bag is for addn'l volume, if req'd.)

D = DUPLICATE RB = RINSATE BLANK FB = FIELD BLANK TB = TRIP BLANK MS = MATRIX SPIKE

[redacted]

4.16.04

STL Burlington
Colchester, Vermont

Sample Data Summary Package

SDG: 100571

SEVERN TRENT STL

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

Tel: 802 655 1203 Fax: 802 655 1248
www.stl-inc.com

June 18, 2004

Mr. Tom Forbes
Benchmark Environmental
Key Tower
50 Fountain Plaza, Suite 1350
Buffalo, NY 14202

Re: Laboratory Project No. 24000
Case 24000; SDG: 100571

Dear Mr. Forbes:

Enclosed are the analytical results for samples received by STL Burlington on June 4, 2004. This report is sequentially numbered starting with page 0001 and ending with page 0145.

Laboratory numbers have been assigned and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 06/04/04 ETR No: 100571		
574376	SVE-1	06/03/04	Air

Documentation of the condition of the samples at the time their receipt and any exceptions to the laboratory's Sample Acceptance Policy is included in the Sample Handling section of this submittal.

Method TO-15 – Volatile Organics:
The analyses of the blank spike sample W6LCS and the associated blank spike duplicate sample W6LCSD exhibited percent recoveries of select target compounds that exceeded the control limits. These exceedences are presented on the analytical form 3s.

The responses for the target compounds Chloromethane, Dichlorodifluoromethane, Vinyl Chloride, 1,3-Butadiene and 1,2-Dichlorotetrafluoroethane in select continuing calibration check acquisitions exceeded the maximum percent difference criterion (30%). The compounds Dichlorodifluoromethane, Vinyl Chloride, 1,3-Butadiene and 1,2-Dichlorotetrafluoroethane were detected in the samples of this delivery group.

The analysis of the field samples SVE-1 yielded internal standard area responses that exceeded the control criterion. The laboratory attempted to reanalyze this sample but encountered issues during the injection process and could not complete the re-analysis. There was insufficient sample volume remaining in the Tedlar bag for further re-analysis and the results of the original analysis were presented as obtained.

Please note that manual integrations were performed for the processing of volatile organic data files. Documentation of these integrations can be found in supporting documentation section of the data package.

The analytical results presented in this data report were generated under a quality system that adheres to the requirements specified in the NELAC standard. This report shall not be reproduced, except in full, without the written approval of the laboratory. The release of the data in this report is authorized by the Laboratory Director or his designee, as verified by the following signature.

If there are any questions regarding this submittal, please contact Ron Pentkowski at (802) 655-1203.

Sincerely,

Ron Pentkowski for

Michael F. Wheeler, Ph.D.
Laboratory Director

Enclosure

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SVE-1

Lab Name: STL Burlington

SDG Number: 100571

Case Number:

Sample Matrix: Air

Lab Sample No.: 574376

Date Analyzed: 06/04/04

Date Received: 06/04/04

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Dichlorodifluoromethane	75-71-8	15		0.50	74		2.5
Chloromethane	74-87-3	0.50	U	0.50	1.0	U	1.0
Vinyl Chloride	75-01-4	4.0		0.50	10		1.3
Bromomethane	74-83-9	0.50	U	0.50	1.9	U	1.9
Chloroethane	75-00-3	5.3		0.50	14		1.3
Trichlorofluoromethane	75-69-4	7.5		0.50	42		2.8
Freon TF	76-13-1	0.50	U	0.50	3.8	U	3.8
1,1-Dichloroethene	75-35-4	0.50	U	0.50	2.0	U	2.0
Methylene Chloride	75-09-2	0.78		0.50	2.7		1.7
1,1-Dichloroethane	75-34-3	5.2		0.50	21		2.0
cis-1,2-Dichloroethene	156-59-2	1.1		0.50	4.4		2.0
Chloroform	67-66-3	0.50	U	0.50	2.4	U	2.4
1,1,1-Trichloroethane	71-55-6	3.5		0.50	19		2.7
Carbon Tetrachloride	56-23-5	0.50	U	0.50	3.1	U	3.1
Benzene	71-43-2	0.50	U	0.50	1.6	U	1.6
1,2-Dichloroethane	107-06-2	0.50	U	0.50	2.0	U	2.0
Trichloroethene	79-01-6	5.4		0.50	29		2.7
1,2-Dichloropropane	78-87-5	0.50	U	0.50	2.3	U	2.3
cis-1,3-Dichloropropene	10061-01-5	0.50	U	0.50	2.3	U	2.3
Toluene	108-88-3	33		0.50	120		1.9
trans-1,3-Dichloropropene	10061-02-6	0.50	U	0.50	2.3	U	2.3
1,1,2-Trichloroethane	79-00-5	0.50	U	0.50	2.7	U	2.7
Tetrachloroethene	127-18-4	3.4		0.50	23		3.4
Chlorobenzene	108-90-7	0.50	U	0.50	2.3	U	2.3
Ethylbenzene	100-41-4	1.4		0.50	6.1		2.2
Xylene (m,p)	1330-20-7	2.1		0.50	9.1		2.2
Styrene	100-42-5	1.1		0.50	4.7		2.1
Xylene (o)	95-47-6	0.80		0.50	3.5		2.2
1,1,2,2-Tetrachloroethane	79-34-5	0.50	U	0.50	3.4	U	3.4
1,3-Dichlorobenzene	541-73-1	0.50	U	0.50	3.0	U	3.0
1,4-Dichlorobenzene	106-46-7	0.50	U	0.50	3.0	U	3.0
1,2-Dichlorobenzene	95-50-1	0.50	U	0.50	3.0	U	3.0

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SVE-1

Lab Name: STL Burlington

SDG Number: 100571

Case Number:

Sample Matrix: Air

Lab Sample No.: 574376

Date Analyzed: 06/04/04

Date Received: 06/04/04

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
1,2,4-Trichlorobenzene	120-82-1	0.50	U	0.50	3.7	U	3.7
Hexachlorobutadiene	87-68-3	0.50	U	0.50	5.3	U	5.3
1,3,5-Trimethylbenzene	108-67-8	0.50	U	0.50	2.5	U	2.5
1,2,4-Trimethylbenzene	95-63-6	0.83		0.50	4.1		2.5
1,2-Dichlorotetrafluoroethane	76-14-2	3.0		0.50	21		3.5
1,2-Dibromoethane	106-93-4	0.50	U	0.50	3.8	U	3.8
1,3-Butadiene	106-99-0	0.50	U	0.50	1.1	U	1.1
Carbon Disulfide	75-15-0	2.1		0.50	6.5		1.6
Cyclohexane	110-82-7	0.50	U	0.50	1.7	U	1.7
Dibromochloromethane	124-48-1	0.50	U	0.50	4.3	U	4.3
Bromoform	75-25-2	0.50	U	0.50	5.2	U	5.2
Bromodichloromethane	75-27-4	0.50	U	0.50	3.4	U	3.4
trans-1,2-Dichloroethene	156-60-5	0.50	U	0.50	2.0	U	2.0
4-Ethyltoluene	622-96-8	0.50	U	0.50	2.5	U	2.5
3-Chloropropene	107-05-1	0.50	U	0.50	1.6	U	1.6
2,2,4-Trimethylpentane	540-84-1	0.50		0.50	2.3		2.3
Bromoethene	593-60-2	0.50	U	0.50	2.2	U	2.2
2-Chlorotoluene	95-49-8	0.50	U	0.50	2.6	U	2.6
n-Hexane	110-54-3	1.5		0.50	5.3		1.8
n-Heptane	142-82-5	0.50	U	0.50	2.0	U	2.0

TO-14/15
Result Summary

CLIENT SAMPLE NO.

ABLKW6

Lab Name: STL Burlington

SDG Number: 100571

Case Number:

Sample Matrix: AIR

Lab Sample No.: ABLKW6

Date Analyzed: 06/04/04

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Dichlorodifluoromethane	75-71-8	0.50	U	0.50	2.5	U	2.5
Chloromethane	74-87-3	0.50	U	0.50	1.0	U	1.0
Vinyl Chloride	75-01-4	0.50	U	0.50	1.3	U	1.3
Bromomethane	74-83-9	0.50	U	0.50	1.9	U	1.9
Chloroethane	75-00-3	0.50	U	0.50	1.3	U	1.3
Trichlorofluoromethane	75-69-4	0.50	U	0.50	2.8	U	2.8
Freon TF	76-13-1	0.50	U	0.50	3.8	U	3.8
1,1-Dichloroethene	75-35-4	0.50	U	0.50	2.0	U	2.0
Methylene Chloride	75-09-2	0.50	U	0.50	1.7	U	1.7
1,1-Dichloroethane	75-34-3	0.50	U	0.50	2.0	U	2.0
cis-1,2-Dichloroethene	156-59-2	0.50	U	0.50	2.0	U	2.0
Chloroform	67-66-3	0.50	U	0.50	2.4	U	2.4
1,1,1-Trichloroethane	71-55-6	0.50	U	0.50	2.7	U	2.7
Carbon Tetrachloride	56-23-5	0.50	U	0.50	3.1	U	3.1
Benzene	71-43-2	0.50	U	0.50	1.6	U	1.6
1,2-Dichloroethane	107-06-2	0.50	U	0.50	2.0	U	2.0
Trichloroethene	79-01-6	0.50	U	0.50	2.7	U	2.7
1,2-Dichloropropane	78-87-5	0.50	U	0.50	2.3	U	2.3
cis-1,3-Dichloropropene	10061-01-5	0.50	U	0.50	2.3	U	2.3
Toluene	108-88-3	0.50	U	0.50	1.9	U	1.9
trans-1,3-Dichloropropene	10061-02-6	0.50	U	0.50	2.3	U	2.3
1,1,2-Trichloroethane	79-00-5	0.50	U	0.50	2.7	U	2.7
Tetrachloroethene	127-18-4	0.50	U	0.50	3.4	U	3.4
Chlorobenzene	108-90-7	0.50	U	0.50	2.3	U	2.3
Ethylbenzene	100-41-4	0.50	U	0.50	2.2	U	2.2
Xylene (m,p)	1330-20-7	0.50	U	0.50	2.2	U	2.2
Styrene	100-42-5	0.50	U	0.50	2.1	U	2.1
Xylene (o)	95-47-6	0.50	U	0.50	2.2	U	2.2
1,1,2,2-Tetrachloroethane	79-34-5	0.50	U	0.50	3.4	U	3.4
1,3-Dichlorobenzene	541-73-1	0.50	U	0.50	3.0	U	3.0
1,4-Dichlorobenzene	106-46-7	0.50	U	0.50	3.0	U	3.0
1,2-Dichlorobenzene	95-50-1	0.50	U	0.50	3.0	U	3.0

TO-14/15
Result Summary

CLIENT SAMPLE NO.

ABLKW6

Lab Name: STL Burlington

SDG Number: 100571

Case Number:

Sample Matrix: AIR

Lab Sample No.: ABLKW6

Date Analyzed: 06/04/04

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
1,2,4-Trichlorobenzene	120-82-1	0.50	U	0.50	3.7	U	3.7
Hexachlorobutadiene	87-68-3	0.50	U	0.50	5.3	U	5.3
1,3,5-Trimethylbenzene	108-67-8	0.50	U	0.50	2.5	U	2.5
1,2,4-Trimethylbenzene	95-63-6	0.50	U	0.50	2.5	U	2.5
1,2-Dichlorotetrafluoroethane	76-14-2	0.50	U	0.50	3.5	U	3.5
1,2-Dibromoethane	106-93-4	0.50	U	0.50	3.8	U	3.8
1,3-Butadiene	106-99-0	0.50	U	0.50	1.1	U	1.1
Carbon Disulfide	75-15-0	0.50	U	0.50	1.6	U	1.6
Cyclohexane	110-82-7	0.50	U	0.50	1.7	U	1.7
Dibromochloromethane	124-48-1	0.50	U	0.50	4.3	U	4.3
Bromoform	75-25-2	0.50	U	0.50	5.2	U	5.2
Bromodichloromethane	75-27-4	0.50	U	0.50	3.4	U	3.4
trans-1,2-Dichloroethene	156-60-5	0.50	U	0.50	2.0	U	2.0
4-Ethyltoluene	622-96-8	0.50	U	0.50	2.5	U	2.5
3-Chloropropene	107-05-1	0.50	U	0.50	1.6	U	1.6
2,2,4-Trimethylpentane	540-84-1	0.50	U	0.50	2.3	U	2.3
Bromoethene	593-60-2	0.50	U	0.50	2.2	U	2.2
2-Chlorotoluene	95-49-8	0.50	U	0.50	2.6	U	2.6
n-Hexane	110-54-3	0.50	U	0.50	1.8	U	1.8
n-Heptane	142-82-5	0.50	U	0.50	2.0	U	2.0

TO-14/15
Result Summary

CLIENT SAMPLE NO.

W6LCS

Lab Name: STL Burlington

SDG Number: 100571

Case Number:

Sample Matrix: AIR

Lab Sample No.: W6LCS

Date Analyzed: 06/04/04

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Dichlorodifluoromethane	75-71-8	17		0.50	84		2.5
Chloromethane	74-87-3	14		0.50	29		1.0
Vinyl Chloride	75-01-4	14		0.50	36		1.3
Bromomethane	74-83-9	13		0.50	50		1.9
Chloroethane	75-00-3	13		0.50	34		1.3
Trichlorofluoromethane	75-69-4	13		0.50	73		2.8
Freon TF	76-13-1	10		0.50	77		3.8
1,1-Dichloroethene	75-35-4	10		0.50	40		2.0
Methylene Chloride	75-09-2	11		0.50	38		1.7
1,1-Dichloroethane	75-34-3	11		0.50	45		2.0
cis-1,2-Dichloroethene	156-59-2	9.9		0.50	39		2.0
Chloroform	67-66-3	11		0.50	54		2.4
1,1,1-Trichloroethane	71-55-6	11		0.50	60		2.7
Carbon Tetrachloride	56-23-5	12		0.50	75		3.1
Benzene	71-43-2	9.6		0.50	31		1.6
1,2-Dichloroethane	107-06-2	12		0.50	49		2.0
Trichloroethene	79-01-6	10		0.50	54		2.7
1,2-Dichloropropane	78-87-5	10		0.50	46		2.3
cis-1,3-Dichloropropene	10061-01-5	10		0.50	45		2.3
Toluene	108-88-3	8.6		0.50	32		1.9
trans-1,3-Dichloropropene	10061-02-6	11		0.50	50		2.3
1,1,2-Trichloroethane	79-00-5	9.3		0.50	51		2.7
Tetrachloroethene	127-18-4	9.7		0.50	66		3.4
Chlorobenzene	108-90-7	9.2		0.50	42		2.3
Ethylbenzene	100-41-4	9.4		0.50	41		2.2
Xylene (m,p)	1330-20-7	19		0.50	83		2.2
Styrene	100-42-5	9.6		0.50	41		2.1
Xylene (o)	95-47-6	9.7		0.50	42		2.2
1,1,2,2-Tetrachloroethane	79-34-5	10		0.50	69		3.4
1,3-Dichlorobenzene	541-73-1	11		0.50	66		3.0
1,4-Dichlorobenzene	106-46-7	11		0.50	66		3.0
1,2-Dichlorobenzene	95-50-1	11		0.50	66		3.0

TO-14/15
Result Summary

CLIENT SAMPLE NO.

W6LCS

Lab Name: STL Burlington

SDG Number: 100571

Case Number:

Sample Matrix: AIR

Lab Sample No.: W6LCS

Date Analyzed: 06/04/04

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
1,2,4-Trichlorobenzene	120-82-1	13		0.50	96		3.7
Hexachlorobutadiene	87-68-3	14		0.50	150		5.3
1,3,5-Trimethylbenzene	108-67-8	11		0.50	54		2.5
1,2,4-Trimethylbenzene	95-63-6	10		0.50	49		2.5
1,2-Dichlorotetrafluoroethane	76-14-2	16		0.50	110		3.5
1,2-Dibromoethane	106-93-4	9.4		0.50	72		3.8
1,3-Butadiene	106-99-0	14		0.50	31		1.1
Carbon Disulfide	75-15-0	9.3		0.50	29		1.6
Cyclohexane	110-82-7	9.6		0.50	33		1.7
Dibromochloromethane	124-48-1	10		0.50	85		4.3
Bromoform	75-25-2	11		0.50	110		5.2
Bromodichloromethane	75-27-4	11		0.50	74		3.4
trans-1,2-Dichloroethene	156-60-5	11		0.50	44		2.0
4-Ethyltoluene	622-96-8	9.8		0.50	48		2.5
3-Chloropropene	107-05-1	11		0.50	34		1.6
2,2,4-Trimethylpentane	540-84-1	9.8		0.50	46		2.3
Bromoethene	593-60-2	11		0.50	48		2.2
2-Chlorotoluene	95-49-8	10		0.50	52		2.6
n-Hexane	110-54-3	9.8		0.50	35		1.8
n-Heptane	142-82-5	10		0.50	41		2.0

TO-14/15
Result Summary

CLIENT SAMPLE NO.

W6LCSD

Lab Name: STL Burlington

SDG Number: 100571

Case Number:

Sample Matrix: AIR

Lab Sample No.: W6LCSD

Date Analyzed: 06/04/04

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Dichlorodifluoromethane	75-71-8	14		0.50	69		2.5
Chloromethane	74-87-3	12		0.50	25		1.0
Vinyl Chloride	75-01-4	13		0.50	33		1.3
Bromomethane	74-83-9	12		0.50	47		1.9
Chloroethane	75-00-3	12		0.50	32		1.3
Trichlorofluoromethane	75-69-4	12		0.50	67		2.8
Freon TF	76-13-1	10		0.50	77		3.8
1,1-Dichloroethene	75-35-4	10		0.50	40		2.0
Methylene Chloride	75-09-2	10		0.50	35		1.7
1,1-Dichloroethane	75-34-3	10		0.50	40		2.0
cis-1,2-Dichloroethene	156-59-2	9.9		0.50	39		2.0
Chloroform	67-66-3	11		0.50	54		2.4
1,1,1-Trichloroethane	71-55-6	11		0.50	60		2.7
Carbon Tetrachloride	56-23-5	11		0.50	69		3.1
Benzene	71-43-2	9.6		0.50	31		1.6
1,2-Dichloroethane	107-06-2	11		0.50	45		2.0
Trichloroethene	79-01-6	10		0.50	54		2.7
1,2-Dichloropropane	78-87-5	9.9		0.50	46		2.3
cis-1,3-Dichloropropene	10061-01-5	10		0.50	45		2.3
Toluene	108-88-3	9.6		0.50	36		1.9
trans-1,3-Dichloropropene	10061-02-6	11		0.50	50		2.3
1,1,2-Trichloroethane	79-00-5	9.8		0.50	53		2.7
Tetrachloroethene	127-18-4	10		0.50	68		3.4
Chlorobenzene	108-90-7	10		0.50	46		2.3
Ethylbenzene	100-41-4	10		0.50	43		2.2
Xylene (m,p)	1330-20-7	20		0.50	87		2.2
Styrene	100-42-5	10		0.50	43		2.1
Xylene (o)	95-47-6	10		0.50	43		2.2
1,1,2,2-Tetrachloroethane	79-34-5	11		0.50	76		3.4
1,3-Dichlorobenzene	541-73-1	11		0.50	66		3.0
1,4-Dichlorobenzene	106-46-7	11		0.50	66		3.0
1,2-Dichlorobenzene	95-50-1	11		0.50	66		3.0

TO-14/15
Result Summary

CLIENT SAMPLE NO.

W6LCSD

Lab Name: STL Burlington

SDG Number: 100571

Case Number:

Sample Matrix: AIR

Lab Sample No.: W6LCSD

Date Analyzed: 06/04/04

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
1,2,4-Trichlorobenzene	120-82-1	13		0.50	96		3.7
Hexachlorobutadiene	87-68-3	13		0.50	140		5.3
1,3,5-Trimethylbenzene	108-67-8	10		0.50	49		2.5
1,2,4-Trimethylbenzene	95-63-6	11		0.50	54		2.5
1,2-Dichlorotetrafluoroethane	76-14-2	14		0.50	98		3.5
1,2-Dibromoethane	106-93-4	10		0.50	77		3.8
1,3-Butadiene	106-99-0	13		0.50	29		1.1
Carbon Disulfide	75-15-0	9.5		0.50	30		1.6
Cyclohexane	110-82-7	9.9		0.50	34		1.7
Dibromochloromethane	124-48-1	11		0.50	94		4.3
Bromoform	75-25-2	12		0.50	120		5.2
Bromodichloromethane	75-27-4	11		0.50	74		3.4
trans-1,2-Dichloroethene	156-60-5	10		0.50	40		2.0
4-Ethyltoluene	622-96-8	11		0.50	54		2.5
3-Chloropropene	107-05-1	10		0.50	31		1.6
2,2,4-Trimethylpentane	540-84-1	9.9		0.50	46		2.3
Bromoethene	593-60-2	12		0.50	52		2.2
2-Chlorotoluene	95-49-8	10		0.50	52		2.6
n-Hexane	110-54-3	10		0.50	35		1.8
n-Heptane	142-82-5	9.7		0.50	40		2.0

SEVERN TRENT **STL**

SEVERN TRENT LABORATORIES, INC.

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446 Tel 802 655 1203

CHAIN OF CUSTODY RECORD

Report to:
Company: Benchmark Env Engr & Sci, PLLC
Address: 726 Exchange St
Suite 624
Contact: Tom Forbes
Phone: 716-856-0599
Fax: 716-856-0583
Contract/
Quote:

Invoice to:
Company:
Address: SAME
Contact:
Phone:
Fax:

ANALYSIS REQUESTED: TO-15

Lab Use Only
Due Date:

Temp. of coolers when received (C°):
1 | 2 | 3 | 4 | 5

Custody Seal N / Y
Intact N / Y

Screened For Radioactivity ☐

Sampler's Name: R. Dubois

Sampler's Signature:

Proj. No.

Project Name: Wyoming - LF

No/Type of Containers²

Matrix¹	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	Lab/Sample ID (Lab Use Only)
A	6/3/04	1010		X	SVE-1				V	

Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time
	6/3/04	1200	Angela Patrosso	6/4/04	1000
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time

Remarks: Analize only one Air Bag

Client's delivery of samples constitutes acceptance of Severn Trent Laboratories terms and conditions contained in the Price Schedule.

¹Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil
²Container VOA - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other _____

STL cannot accept verbal changes.
Please Fax written changes to