



Mr. Todd Caffoe
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 8
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Avon, New York 14414-8696

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Subject:
Soil Vapor Intrusion Assessment
Crosmán Site
East Bloomfield, New York

Dear Mr. Caffoe:

On behalf of New Coleman Holdings, Inc., ARCADIS is submitting this *Soil Vapor Intrusion Assessment* to the New York State Department of Environmental Conservation (NYSDEC) to summarize the soil vapor sampling activities and results for the Crosmán site, located in East Bloomfield, New York (site). This work was performed in accordance with our letter dated, June 1, 2010, in response to the NYSDEC's April 29, 2010 letter, requesting this work.

Overall, the results of the soil vapor sampling confirm that soil vapor intrusion is not occurring at nearby residential homes. Although low levels of non-target volatile organic compounds (VOCs) were detected in soil vapor samples, all results are below conservative screening levels. A summary of the field methods and results are provided below.

Field Activities

On June 3, 2010, ARCADIS installed two temporary soil vapor sampling probes in accordance with the procedures detailed in the New York State Department of Health (NYSDOH) *Guidance for Evaluating Soil Vapor Intrusion in New York State*. The probes were installed at the locations previously discussed with the NYSDEC, as shown on Figure 1 (Attachment 1). At each location, a track-mounted Geoprobe rig and decontaminated tooling were used to advance a 6-inch disposable stainless steel sampling screen and Teflon[®] tubing to the desired depth.

The target depth for each sample point was approximately 1 to 2 feet above the groundwater table. As a reference point, at the nearby monitoring well MW-19, the water level was determined to be approximately 18.0 feet below ground surface (bgs). The first sample probe (SV-MW19-W) was installed west of MW-19 to a depth

Date:
July 29, 2010

Contact:
William B. Popham

Phone:
585.385.0090

Email:
bill.popham@arcadis-us.com

Our ref:
B0041501.0000

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Imagine the result

of 16.5 feet bgs. When the tooling could not be removed from the disposable sampling probe, it was discovered that groundwater at that location was actually only 14.0 feet bgs. Therefore, a second sampling probe was installed at this location to a depth of 12.7 feet bgs (sample interval 12.2 to 12.7 feet bgs). At the second sample location (SV-MW19-E), east of MW-19, it was determined that groundwater was approximately 15.7 feet bgs; therefore, the sample probe was installed to a depth of 14.7 feet bgs (sample interval 14.2 to 14.7 feet bgs).

After the target depth was reached, the tooling was removed. As the tooling was being removed, the annular space was filled to prevent ambient air from entering the hole, by filling the annular space with sand to approximately 1 foot above the sampling probe. The remainder of the annular space (i.e., from 1 foot above the sampling probe to the ground surface) was filled with hydrated bentonite.

After allowing the hydrated bentonite to seal the sampling probe and tubing for approximately 1 hour, a tracer test was conducted using helium gas. The tracer test at each location indicated that a tight seal had been established between the sampling probe and the surface, as helium was not detected in the purge air gas.

Once the tracer test was complete, the sampling probes and tubing were connected to 6-liter SUMMA[®] canisters, fitted with flow controllers (set to collect soil vapor samples over a 2-hour time period) with vacuum gauges and in-line particulate filters.

The SUMMA[®] canister valves were then opened, and the time and vacuum were documented. The vacuum on each canister was monitored throughout the sample collection period (2 hours) to confirm that the canister was filling at an appropriate rate.

After the full 2 hours had passed, the SUMMA[®] canister valves were closed and disconnected from the tubing, and the tubing was removed from the ground. The void space created by removing the sample tubing was filled with bentonite to seal the sample location. The SUMMA[®] canisters and flow controllers were packaged and shipped to the laboratory (TestAmerica, Inc., located in South Burlington, Vermont) for analysis.

Results

The results of the soil vapor sampling are summarized in Table 1, and the complete laboratory results are presented in Attachment 2.

The primary constituent of concern at the site, trichloroethene (TCE), was not detected in either of the soil vapor samples collected. Several non-target compounds were detected; however, all detections were at extremely low concentrations. According to Section 3.3.1 of the NYSDOH's *Guidance for Evaluating Soil Vapor Intrusion in New York State*, "New York State does not currently have any standards, criteria or guidance values for concentrations of compounds in soil vapor. Additionally, there are currently no available databases with background levels of volatile chemicals in soil vapor. In the absence of this information, soil vapor sampling results are reviewed 'as a whole'..."

As a first step, soil vapor results were compared to the NYSDOH guidance for volatile chemicals in air and known background outdoor air levels.

- The only VOCs addressed in the NYSDOH guidance for volatile chemicals in soil vapor are methylene chloride, tetrachloroethene, and TCE, none of which were detected in the soil vapor samples collected at the site.
- Soil vapor results were compared to background outdoor air levels, as presented in Table C1 of the *Guidance for Evaluating Soil Vapor Intrusion in New York State*. Consistent with the United States Environmental Protection Agency (2002) guidance, soil vapor results were converted to ambient air concentrations using a conservative attenuation factor of 0.01. As shown in Table 1, all predicted ambient air results are well below background levels.

In addition to the comparisons listed above, the following lines of evidence were also considered:

- Soil vapor samples were collected very close to the water table and are not expected to underestimate sub-slab concentrations. Several studies have determined that deep soil vapor results (close to the water table) are expected to be sufficiently conservative to represent worst-case conditions.
- As discussed in the site Groundwater Monitoring Reports, production well PW-1 continues to maintain hydraulic control of the site.
- The nearest point of the adjacent residence is located approximately 85 feet from the soil vapor sample points, and approximately 110 feet from the closest groundwater monitoring well (MW-19). Site constituents of concern (i.e., TCE) have not been detected either in groundwater or within soil vapor within 100 feet of the residence.

Conclusions

Whether compared to known guidance or background levels, or when viewing multiple lines of evidence "as a whole," the soil vapor assessment conducted at the site indicates that site-related contaminants are not present in soil vapor and, therefore, are not migrating off site. Therefore, there is no data to suggest that soil vapor intrusion is occurring, and no further soil vapor sampling is needed.

If you have any questions, please contact me at 585.385.0090, ext. 22.

Sincerely,

ARCADIS



William B. Popham
Senior Vice President

Copies:

Katherine Comerford, New York State Department of Health
James Charles, Esq., New York State Department of Environmental Conservation
Bart Putzig, New York State Department of Environmental Conservation
Steven Fasman, Esq., New Coleman Holdings, Inc.
Thomas F. Walsh, Esq., Hiscock & Barclay, LLP
Gina Thomas, Crosman Corporation
Aaron Richardson, ARCADIS

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Tables

Table 1
Soil Vapor Sampling Results

Crosman Site
East Bloomfield, New York

Sample Location Sample Date Compound	Soil Vapor Results ¹		VOCs in Outdoor Air ² (Upper Fence Value) ($\mu\text{g}/\text{m}^3$)	Predicted Ambient Air Results ³	
	SV-MW19-E 6/3/2010 ($\mu\text{g}/\text{m}^3$)	SV-MW19-E 6/3/2010 ($\mu\text{g}/\text{m}^3$)		SV-MW19-E 6/3/2010 ($\mu\text{g}/\text{m}^3$)	SV-MW19-E 6/3/2010 ($\mu\text{g}/\text{m}^3$)
	1,1,1-Trichloroethane	1.1 U		1.1 U	0.6
1,1,2,2-Tetrachloroethane	1.4 U	1.4 U	0.4	NA	NA
1,1,2-Trichloroethane	1.1 U	1.1 U	0.3	NA	NA
1,1-Dichloroethane	0.81 U	0.81 U	NA	NA	NA
1,1-Dichloroethene	0.79 U	0.79 U	0.4	NA	NA
1,2,4-Trichlorobenzene	3.7 U	3.7 U	0.4	NA	NA
1,2,4-Trimethylbenzene	21	29	1.9	0.21	0.29
1,2-Dibromoethane	1.5 U	1.5 U	0.4	NA	NA
1,2-Dichlorobenzene	1.2 U	1.2 U	0.4	NA	NA
1,2-Dichloroethane	0.81 U	0.81 U	0.4	NA	NA
1,2-Dichloropropane	0.92 U	0.92 U	0.4	NA	NA
1,2-Dichlorotetrafluoroethane	1.4 U	1.4 U	0.5	NA	NA
1,3,5-Trimethylbenzene	8.4	12	0.7	0.084	0.12
1,3-Butadiene	2.9	10	NA	0.029	0.1
1,3-Dichlorobenzene	1.2 U	1.2 U	0.4	NA	NA
1,4-Dichlorobenzene	1.2 U	1.2 U	0.5	NA	NA
4-Ethyltoluene	3	4.9	NA	0.03	0.049
Acetone	40	33	30	0.4	0.33
Benzene	27	26	4.8	0.27	0.26
Bromodichloromethane	1.3 U	1.3 U	NA	NA	NA
Bromoform	2.1 U	2.1 U	NA	NA	NA
Bromomethane	0.78 U	0.78 U	0.5	NA	NA
Carbon disulfide	2.1	4	NA	0.021	0.04
Carbon tetrachloride	1.3 U	1.3 U	1.2	NA	NA
Chlorobenzene	0.92 U	0.92 U	NA	NA	NA
Chloroethane	1.3 U	1.3 U	0.4	NA	NA
Chloroform	0.98 U	0.98 U	0.5	NA	NA
Chloromethane	1 U	1 U	4.3	NA	NA
cis-1,2-Dichloroethene	0.79 U	0.79 U	0.4	NA	NA
cis-1,3-Dichloropropene	0.91 U	0.91 U	0.4	NA	NA
Cyclohexane	29	69	0.9	0.29	0.69
Dibromochloromethane	1.7 U	1.7 U	NA	NA	NA
Dichlorodifluoromethane	2.5 U	2.5 U	10	NA	NA
Ethylbenzene	6.1	9.6	1	0.061	0.096
Freon TF	1.5 U	1.5 U	NA	NA	NA
Hexachlorobutadiene	2.1 U	2.1 U	NA	NA	NA
Methyl Butyl Ketone	2 U	2 U	NA	NA	NA
Methyl Ethyl Ketone	11	11	5.3	0.11	0.11
Methyl Isobutyl Ketone	2 U	2 U	0.5	NA	NA
Methyl tert-Butyl Ether	1.8 U	1.8 U	NA	NA	NA
Methylene chloride	1.7 U	1.7 U	1.6	NA	NA
n-Heptane	37	94	4.5	0.37	0.94
n-Hexane	53	130	2.2	0.53	1.3
Styrene	0.85 U	0.85 U	0.5	NA	NA
Tetrachloroethene	1.4 U	1.4 U	0.7	NA	NA
Tetrahydrofuran	15 U	15 U	0.4	NA	NA
Toluene	38	64	5.1	0.38	0.64
trans-1,2-Dichloroethene	0.79 U	0.79 U	NA	NA	NA
trans-1,3-Dichloropropene	0.91 U	0.91 U	NA	NA	NA
Trichloroethene	1.1 U	1.1 U	0.4	NA	NA
Trichlorofluoromethane	1.1 U	1.2	5.1	NA	0.012
Vinyl Chloride	0.51 U	0.51 U	0.4	NA	NA
Xylene (m,p)	40	61	1	0.4	0.61
Xylene (o)	14	20	1.2	0.14	0.2

Notes:

Samples were analyzed using USEPA Method TO-15.

U - compound not detected above reporting limit

$\mu\text{g}/\text{m}^3$ - micrograms per cubic meter

NA - not applicable

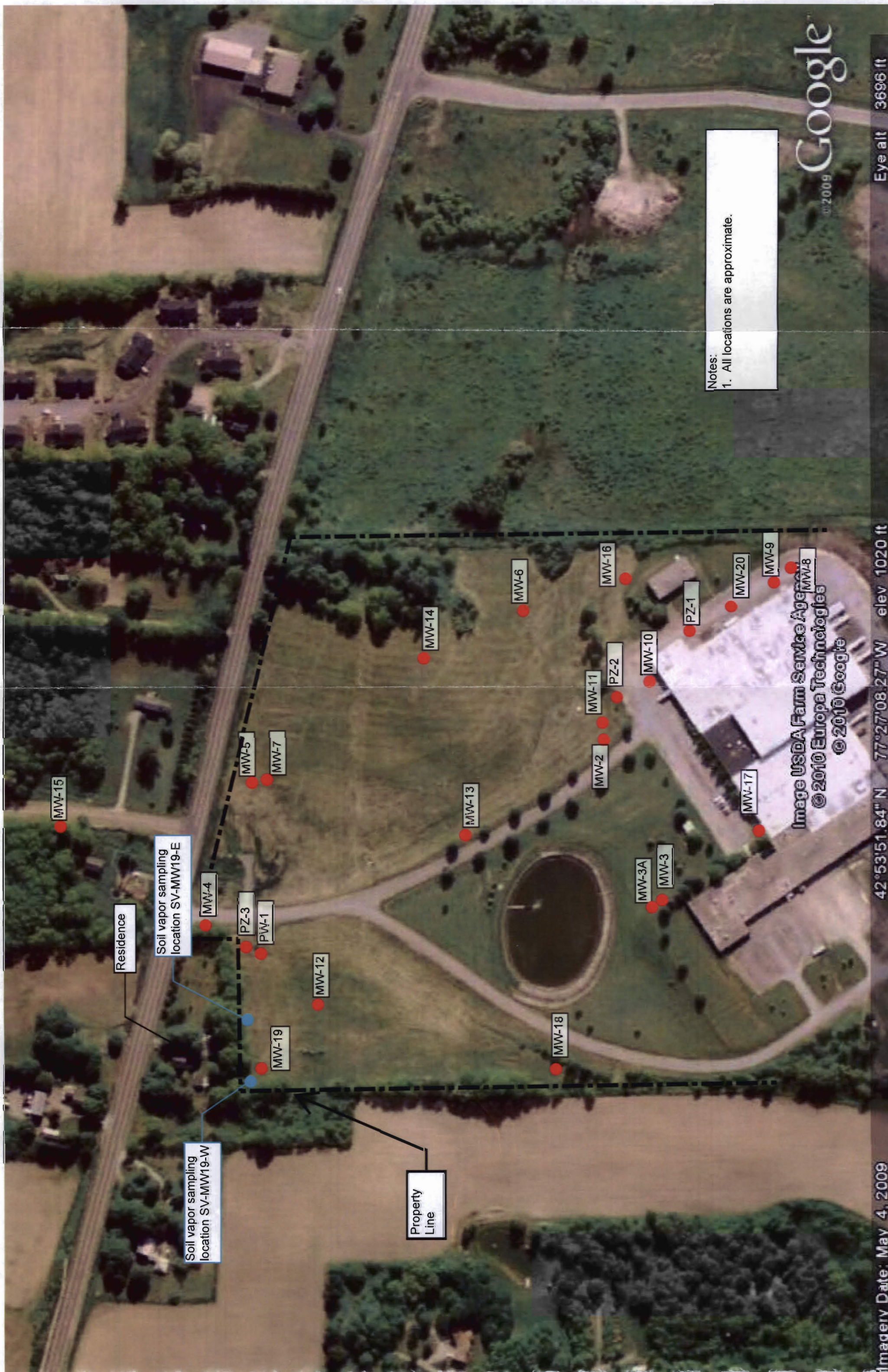
¹ - Soil vapor sampling results of USEPA Method TO-15 analysis on SUMMA[®] canisters.

² - NYSDOH 2003: Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes, as presented in Table C1 of NYSDOH's Guidance for Evaluating Soil Vapor Intrusion in New York State. Upper Fence Value is calculated as 1.5 times the interquartile range above the 75th percentile value.

³ - Soil vapor sampling results are converted to ambient air concentrations using a conservative attenuation factor of 0.01, consistent with the United States Environmental Protection Agency's 2002 guidance.

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Attachment 1



Residence

Soil vapor sampling location SV-MW19-E

Soil vapor sampling location SV-MW19-W

Property Line

Notes:
1. All locations are approximate.

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Attachment 2

TestAmerica
South Burlington, VT

Sample Data Summary
Package

NY137633

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

June 29, 2010

Mr. Aaron Richardson
ARCADIS U.S.,INC
295 Woodcliff Drive
Third Floor, Suite 301
Fairport, NY 14450

Re: Laboratory Project No. 29000
Case: 29000; SDG: NY137633

Dear Mr. Richardson:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on June 4th, 2010. Laboratory identification numbers were assigned, and designated as follows:

<u>Lab ID</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>Sample Matrix</u>
	Received: 06/04/10 ETR No: 137633		
832008	SV-MW19-E	06/03/10	AIR
832009	SV-MW19-W	06/03/10	AIR

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

The laboratory noted no exceptions to the method quality control requirements during the analysis of the samples referenced above.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,



Don Dawicki
Project Manager

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SV-MW19-E

Lab Name: TAL Burlington

SDG Number: NY137633

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: 832008

Date Analyzed: 06/12/10

Date Received: 06/04/10

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
1,2-Dichlorotetrafluoroethane	76-14-2	0.20	U	0.20	1.4	U	1.4
Chloromethane	74-87-3	0.50	U	0.50	1.0	U	1.0
Vinyl Chloride	75-01-4	0.20	U	0.20	0.51	U	0.51
1,3-Butadiene	106-99-0	1.3		0.50	2.9		1.1
Bromomethane	74-83-9	0.20	U	0.20	0.78	U	0.78
Chloroethane	75-00-3	0.50	U	0.50	1.3	U	1.3
Trichlorofluoromethane	75-69-4	0.20	U	0.20	1.1	U	1.1
Freon TF	76-13-1	0.20	U	0.20	1.5	U	1.5
1,1-Dichloroethene	75-35-4	0.20	U	0.20	0.79	U	0.79
Acetone	67-64-1	17		5.0	40		12
Carbon disulfide	75-15-0	0.67		0.50	2.1		1.6
Methylene chloride	75-09-2	0.50	U	0.50	1.7	U	1.7
Methyl tert-Butyl Ether	1634-04-4	0.50	U	0.50	1.8	U	1.8
trans-1,2-Dichloroethene	156-60-5	0.20	U	0.20	0.79	U	0.79
n-Hexane	110-54-3	15		0.50	53		1.8
1,1-Dichloroethane	75-34-3	0.20	U	0.20	0.81	U	0.81
Methyl Ethyl Ketone	78-93-3	3.7		0.50	11		1.5
cis-1,2-Dichloroethene	156-59-2	0.20	U	0.20	0.79	U	0.79
Chloroform	67-66-3	0.20	U	0.20	0.98	U	0.98
Tetrahydrofuran	109-99-9	5.0	U	5.0	15	U	15
1,1,1-Trichloroethane	71-55-6	0.20	U	0.20	1.1	U	1.1
Cyclohexane	110-82-7	8.5		0.20	29		0.69
Carbon tetrachloride	56-23-5	0.20	U	0.20	1.3	U	1.3
Benzene	71-43-2	8.4		0.20	27		0.64
1,2-Dichloroethane	107-06-2	0.20	U	0.20	0.81	U	0.81
n-Heptane	142-82-5	9.1		0.20	37		0.82
Trichloroethene	79-01-6	0.20	U	0.20	1.1	U	1.1
1,2-Dichloropropane	78-87-5	0.20	U	0.20	0.92	U	0.92
Bromodichloromethane	75-27-4	0.20	U	0.20	1.3	U	1.3
cis-1,3-Dichloropropene	10061-01-5	0.20	U	0.20	0.91	U	0.91
Methyl Isobutyl Ketone	108-10-1	0.50	U	0.50	2.0	U	2.0
Toluene	108-88-3	10		0.20	38		0.75

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

SV-MW19-E

Lab Name: TAL Burlington

SDG Number: NY137633

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: 832008

Date Analyzed: 06/12/10

Date Received: 06/04/10

Target Compound	CAS Number	Results in ppbv	Q	RL In ppbv	Results In ug/m3	Q	RL in ug/m3
trans-1,3-Dichloropropene	10061-02-6	0.20	U	0.20	0.91	U	0.91
1,1,2-Trichloroethane	79-00-5	0.20	U	0.20	1.1	U	1.1
Tetrachloroethene	127-18-4	0.20	U	0.20	1.4	U	1.4
Methyl Butyl Ketone	591-78-6	0.50	U	0.50	2.0	U	2.0
Dibromochloromethane	124-48-1	0.20	U	0.20	1.7	U	1.7
1,2-Dibromoethane	106-93-4	0.20	U	0.20	1.5	U	1.5
Chlorobenzene	108-90-7	0.20	U	0.20	0.92	U	0.92
Ethylbenzene	100-41-4	1.4		0.20	6.1		0.87
Xylene (m,p)	1330-20-7	9.2		0.40	40		1.7
Xylene (o)	95-47-6	3.2		0.20	14		0.87
Styrene	100-42-5	0.20	U	0.20	0.85	U	0.85
Bromoform	75-25-2	0.20	U	0.20	2.1	U	2.1
1,1,2,2-Tetrachloroethane	79-34-5	0.20	U	0.20	1.4	U	1.4
4-Ethyltoluene	622-96-8	0.62		0.20	3.0		0.98
1,3,5-Trimethylbenzene	108-67-8	1.7		0.20	8.4		0.98
1,2,4-Trimethylbenzene	95-63-6	4.3		0.20	21		0.98
1,3-Dichlorobenzene	541-73-1	0.20	U	0.20	1.2	U	1.2
1,4-Dichlorobenzene	106-46-7	0.20	U	0.20	1.2	U	1.2
1,2-Dichlorobenzene	95-50-1	0.20	U	0.20	1.2	U	1.2
1,2,4-Trichlorobenzene	120-82-1	0.50	U	0.50	3.7	U	3.7
Hexachlorobutadiene	87-68-3	0.20	U	0.20	2.1	U	2.1

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

SV-MW19-W

Lab Name: TAL Burlington

SDG Number: NY137633

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: 832009

Date Analyzed: 06/12/10

Date Received: 06/04/10

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
1,2-Dichlorotetrafluoroethane	76-14-2	0.20	U	0.20	1.4	U	1.4
Chloromethane	74-87-3	0.50	U	0.50	1.0	U	1.0
Vinyl Chloride	75-01-4	0.20	U	0.20	0.51	U	0.51
1,3-Butadiene	106-99-0	4.6		0.50	10		1.1
Bromomethane	74-83-9	0.20	U	0.20	0.78	U	0.78
Chloroethane	75-00-3	0.50	U	0.50	1.3	U	1.3
Trichlorofluoromethane	75-69-4	0.21		0.20	1.2		1.1
Freon TF	76-13-1	0.20	U	0.20	1.5	U	1.5
1,1-Dichloroethene	75-35-4	0.20	U	0.20	0.79	U	0.79
Acetone	67-64-1	14		5.0	33		12
Carbon disulfide	75-15-0	1.3		0.50	4.0		1.6
Methylene chloride	75-09-2	0.50	U	0.50	1.7	U	1.7
Methyl tert-Butyl Ether	1634-04-4	0.50	U	0.50	1.8	U	1.8
trans-1,2-Dichloroethene	156-60-5	0.20	U	0.20	0.79	U	0.79
n-Hexane	110-54-3	38		0.50	130		1.8
1,1-Dichloroethane	75-34-3	0.20	U	0.20	0.81	U	0.81
Methyl Ethyl Ketone	78-93-3	3.7		0.50	11		1.5
cis-1,2-Dichloroethene	156-59-2	0.20	U	0.20	0.79	U	0.79
Chloroform	67-66-3	0.20	U	0.20	0.98	U	0.98
Tetrahydrofuran	109-99-9	5.0	U	5.0	15	U	15
1,1,1-Trichloroethane	71-55-6	0.20	U	0.20	1.1	U	1.1
Cyclohexane	110-82-7	20		0.20	69		0.69
Carbon tetrachloride	56-23-5	0.20	U	0.20	1.3	U	1.3
Benzene	71-43-2	8.1		0.20	26		0.64
1,2-Dichloroethane	107-06-2	0.20	U	0.20	0.81	U	0.81
n-Heptane	142-82-5	23		0.20	94		0.82
Trichloroethene	79-01-6	0.20	U	0.20	1.1	U	1.1
1,2-Dichloropropane	78-87-5	0.20	U	0.20	0.92	U	0.92
Bromodichloromethane	75-27-4	0.20	U	0.20	1.3	U	1.3
cis-1,3-Dichloropropene	10061-01-5	0.20	U	0.20	0.91	U	0.91
Methyl Isobutyl Ketone	108-10-1	0.50	U	0.50	2.0	U	2.0
Toluene	108-88-3	17		0.20	64		0.75

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

SV-MW19-W

Lab Name: TAL Burlington

SDG Number: NY137633

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: 832009

Date Analyzed: 06/12/10

Date Received: 06/04/10

Target Compound	CAS Number	Results In ppbv	Q	RL in ppbv	Results In ug/m3	Q	RL in ug/m3
trans-1,3-Dichloropropene	10061-02-6	0.20	U	0.20	0.91	U	0.91
1,1,2-Trichloroethane	79-00-5	0.20	U	0.20	1.1	U	1.1
Tetrachloroethene	127-18-4	0.20	U	0.20	1.4	U	1.4
Methyl Butyl Ketone	591-78-6	0.50	U	0.50	2.0	U	2.0
Dibromochloromethane	124-48-1	0.20	U	0.20	1.7	U	1.7
1,2-Dibromoethane	106-93-4	0.20	U	0.20	1.5	U	1.5
Chlorobenzene	108-90-7	0.20	U	0.20	0.92	U	0.92
Ethylbenzene	100-41-4	2.2		0.20	9.6		0.87
Xylene (m,p)	1330-20-7	14		0.40	61		1.7
Xylene (o)	95-47-6	4.7		0.20	20		0.87
Styrene	100-42-5	0.20	U	0.20	0.85	U	0.85
Bromoform	75-25-2	0.20	U	0.20	2.1	U	2.1
1,1,2,2-Tetrachloroethane	79-34-5	0.20	U	0.20	1.4	U	1.4
4-Ethyltoluene	622-96-8	1.0		0.20	4.9		0.98
1,3,5-Trimethylbenzene	108-67-8	2.4		0.20	12		0.98
1,2,4-Trimethylbenzene	95-63-6	5.8		0.20	29		0.98
1,3-Dichlorobenzene	541-73-1	0.20	U	0.20	1.2	U	1.2
1,4-Dichlorobenzene	106-46-7	0.20	U	0.20	1.2	U	1.2
1,2-Dichlorobenzene	95-50-1	0.20	U	0.20	1.2	U	1.2
1,2,4-Trichlorobenzene	120-82-1	0.50	U	0.50	3.7	U	3.7
Hexachlorobutadiene	87-68-3	0.20	U	0.20	2.1	U	2.1

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

FA061110LCS

Lab Name: TAL Burlington

SDG Number: NY137633

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: FA061110

Date Analyzed: 06/11/10

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	11		0.50	54		2.5
1,2-Dichlorotetrafluoroethane	76-14-2	10		0.20	70		1.4
Chloromethane	74-87-3	7.8		0.50	16		1.0
Vinyl Chloride	75-01-4	8.5		0.20	22		0.51
1,3-Butadiene	106-99-0	8.4		0.50	19		1.1
Bromomethane	74-83-9	9.9		0.20	38		0.78
Chloroethane	75-00-3	8.6		0.50	23		1.3
Trichlorofluoromethane	75-69-4	11		0.20	62		1.1
Freon TF	76-13-1	12		0.20	92		1.5
1,1-Dichloroethene	75-35-4	11		0.20	44		0.79
Acetone	67-64-1	8.9		5.0	21		12
Carbon disulfide	75-15-0	10		0.50	31		1.6
Methylene chloride	75-09-2	9.0		0.50	31		1.7
Methyl tert-Butyl Ether	1634-04-4	10		0.50	36		1.8
trans-1,2-Dichloroethene	156-60-5	9.2		0.20	36		0.79
n-Hexane	110-54-3	8.6		0.50	30		1.8
1,1-Dichloroethane	75-34-3	9.3		0.20	38		0.81
Methyl Ethyl Ketone	78-93-3	9.4		0.50	28		1.5
cis-1,2-Dichloroethene	156-59-2	10		0.20	40		0.79
Chloroform	67-66-3	10		0.20	49		0.98
Tetrahydrofuran	109-99-9	8.0		5.0	24		15
1,1,1-Trichloroethane	71-55-6	11		0.20	60		1.1
Cyclohexane	110-82-7	9.5		0.20	33		0.69
Carbon tetrachloride	56-23-5	11		0.20	69		1.3
Benzene	71-43-2	9.4		0.20	30		0.64
1,2-Dichloroethane	107-06-2	10		0.20	40		0.81
n-Heptane	142-82-5	8.0		0.20	33		0.82
Trichloroethene	79-01-6	10		0.20	54		1.1
1,2-Dichloropropane	78-87-5	8.6		0.20	40		0.92
Bromodichloromethane	75-27-4	11		0.20	74		1.3
cis-1,3-Dichloropropene	10061-01-5	9.3		0.20	42		0.91
Methyl Isobutyl Ketone	108-10-1	8.4		0.50	34		2.0
Toluene	108-88-3	9.4		0.20	35		0.75

TO-14/15
Result Summary

CLIENT SAMPLE NO.

FA061110LCS

Lab Name: TAL Burlington

SDG Number: NY137633

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: FA061110

Date Analyzed: 06/11/10

Date Received: / /

Target Compound	CAS Number	Results In ppbv	Q	RL In ppbv	Results In ug/m3	Q	RL In ug/m3
trans-1,3-Dichloropropene	10061-02-6	9.6		0.20	44		0.91
1,1,2-Trichloroethane	79-00-5	9.1		0.20	50		1.1
Tetrachloroethene	127-18-4	10		0.20	68		1.4
Methyl Butyl Ketone	591-78-6	8.3		0.50	34		2.0
Dibromochloromethane	124-48-1	11		0.20	94		1.7
1,2-Dibromoethane	106-93-4	10		0.20	77		1.5
Chlorobenzene	108-90-7	9.5		0.20	44		0.92
Ethylbenzene	100-41-4	9.9		0.20	43		0.87
Xylene (m,p)	1330-20-7	19		0.40	83		1.7
Xylene (o)	95-47-6	9.5		0.20	41		0.87
Styrene	100-42-5	9.5		0.20	40		0.85
Bromoform	75-25-2	12		0.20	120		2.1
1,1,2,2-Tetrachloroethane	79-34-5	9.4		0.20	65		1.4
4-Ethyltoluene	622-96-8	10		0.20	49		0.98
1,3,5-Trimethylbenzene	108-67-8	10		0.20	49		0.98
1,2,4-Trimethylbenzene	95-63-6	10		0.20	49		0.98
1,3-Dichlorobenzene	541-73-1	10		0.20	60		1.2
1,4-Dichlorobenzene	106-46-7	10		0.20	60		1.2
1,2-Dichlorobenzene	95-50-1	10		0.20	60		1.2
1,2,4-Trichlorobenzene	120-82-1	11		0.50	82		3.7
Hexachlorobutadiene	87-68-3	12		0.20	130		2.1

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

MBLK061110FA

Lab Name: TAL Burlington

SDG Number: NY137633

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: MBLK0611

Date Analyzed: 06/11/10

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
1,2-Dichlorotetrafluoroethane	76-14-2	0.20	U	0.20	1.4	U	1.4
Chloromethane	74-87-3	0.50	U	0.50	1.0	U	1.0
Vinyl Chloride	75-01-4	0.20	U	0.20	0.51	U	0.51
1,3-Butadiene	106-99-0	0.50	U	0.50	1.1	U	1.1
Bromomethane	74-83-9	0.20	U	0.20	0.78	U	0.78
Chloroethane	75-00-3	0.50	U	0.50	1.3	U	1.3
Trichlorofluoromethane	75-69-4	0.20	U	0.20	1.1	U	1.1
Freon TF	76-13-1	0.20	U	0.20	1.5	U	1.5
1,1-Dichloroethene	75-35-4	0.20	U	0.20	0.79	U	0.79
Acetone	67-64-1	5.0	U	5.0	12	U	12
Carbon disulfide	75-15-0	0.50	U	0.50	1.6	U	1.6
Methylene chloride	75-09-2	0.50	U	0.50	1.7	U	1.7
Methyl tert-Butyl Ether	1634-04-4	0.50	U	0.50	1.8	U	1.8
trans-1,2-Dichloroethene	156-60-5	0.20	U	0.20	0.79	U	0.79
n-Hexane	110-54-3	0.50	U	0.50	1.8	U	1.8
1,1-Dichloroethane	75-34-3	0.20	U	0.20	0.81	U	0.81
Methyl Ethyl Ketone	78-93-3	0.50	U	0.50	1.5	U	1.5
cis-1,2-Dichloroethene	156-59-2	0.20	U	0.20	0.79	U	0.79
Chloroform	67-66-3	0.20	U	0.20	0.98	U	0.98
Tetrahydrofuran	109-99-9	5.0	U	5.0	15	U	15
1,1,1-Trichloroethane	71-55-6	0.20	U	0.20	1.1	U	1.1
Cyclohexane	110-82-7	0.20	U	0.20	0.69	U	0.69
Carbon tetrachloride	56-23-5	0.20	U	0.20	1.3	U	1.3
Benzene	71-43-2	0.20	U	0.20	0.64	U	0.64
1,2-Dichloroethane	107-06-2	0.20	U	0.20	0.81	U	0.81
n-Heptane	142-82-5	0.20	U	0.20	0.82	U	0.82
Trichloroethene	79-01-6	0.20	U	0.20	1.1	U	1.1
1,2-Dichloropropane	78-87-5	0.20	U	0.20	0.92	U	0.92
Bromodichloromethane	75-27-4	0.20	U	0.20	1.3	U	1.3
cis-1,3-Dichloropropene	10061-01-5	0.20	U	0.20	0.91	U	0.91
Methyl Isobutyl Ketone	108-10-1	0.50	U	0.50	2.0	U	2.0
Toluene	108-88-3	0.20	U	0.20	0.75	U	0.75

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

MBLK061110FA

Lab Name: TAL Burlington

SDG Number: NY137633

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: MBLK0611

Date Analyzed: 06/11/10

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
trans-1,3-Dichloropropene	10061-02-6	0.20	U	0.20	0.91	U	0.91
1,1,2-Trichloroethane	79-00-5	0.20	U	0.20	1.1	U	1.1
Tetrachloroethene	127-18-4	0.20	U	0.20	1.4	U	1.4
Methyl Butyl Ketone	591-78-6	0.50	U	0.50	2.0	U	2.0
Dibromochloromethane	124-48-1	0.20	U	0.20	1.7	U	1.7
1,2-Dibromoethane	106-93-4	0.20	U	0.20	1.5	U	1.5
Chlorobenzene	108-90-7	0.20	U	0.20	0.92	U	0.92
Ethylbenzene	100-41-4	0.20	U	0.20	0.87	U	0.87
Xylene (m,p)	1330-20-7	0.40	U	0.40	1.7	U	1.7
Xylene (o)	95-47-6	0.20	U	0.20	0.87	U	0.87
Styrene	100-42-5	0.20	U	0.20	0.85	U	0.85
Bromoform	75-25-2	0.20	U	0.20	2.1	U	2.1
1,1,2,2-Tetrachloroethane	79-34-5	0.20	U	0.20	1.4	U	1.4
4-Ethyltoluene	622-96-8	0.20	U	0.20	0.98	U	0.98
1,3,5-Trimethylbenzene	108-67-8	0.20	U	0.20	0.98	U	0.98
1,2,4-Trimethylbenzene	95-63-6	0.20	U	0.20	0.98	U	0.98
1,3-Dichlorobenzene	541-73-1	0.20	U	0.20	1.2	U	1.2
1,4-Dichlorobenzene	106-46-7	0.20	U	0.20	1.2	U	1.2
1,2-Dichlorobenzene	95-50-1	0.20	U	0.20	1.2	U	1.2
1,2,4-Trichlorobenzene	120-82-1	0.50	U	0.50	3.7	U	3.7
Hexachlorobutadiene	87-68-3	0.20	U	0.20	2.1	U	2.1

TestAmerica Burlington Data Qualifier Definitions

Organic

- U: Compound analyzed but not detected at a concentration above the reporting limit.
- J: Estimated value.
- N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.
- P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.
- CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.
- C: Pesticide result whose identification has been confirmed by GC/MS.
- B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.
- E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.
- D: Concentrations identified from analysis of the sample at a secondary dilution.
- A: Tentatively identified compound is a suspected aldol condensation product.
- X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

- E: Reported value is estimated due to the presence of interference.
- N: Matrix spike sample recovery is not within control limits.
- * Duplicate sample analysis is not within control limits.
- B: The result reported is less than the reporting limit but greater than the instrument detection limit.
- U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

- P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

TestAmerica Burlington
30 Community Drive
Suite 11

South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information		Project Manager: <u>ARROW RICHMONSON</u>		Samples Collected By: <u>AOR</u>		1 of 1 COCs															
Company: <u>ARCADIS</u>		Phone: <u>585-202-4393</u>																			
Address: <u>295 Woodcliff Dr.</u>		Email: <u>ARROW.RICHMONSON@ARCADIS-RTS.COM</u>																			
City/State/Zip: <u>Ft. Snedden NY 14150</u>		Site Contact: <u>DEAN DAVICKI</u>																			
Phone: <u>585-385-0096</u>		TA Contact: <u>DEAN DAVICKI</u>																			
FAX: <u>585-385-4198</u>		Analysis Turnaround Time																			
Project Name: <u>Cosmen</u>		Standard (Specify)																			
Site: <u>East Bloomfield, NY</u>		Rush (Specify)																			
PO # <u>B0041501.0000</u>																					
Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum In Field, "Hg (Start)	Canister Vacuum In Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)		
<u>SV-MW19-E</u>	<u>6/5/10</u>	<u>1056</u>	<u>1256</u>	<u>-30</u>	<u>-8</u>	<u>4244</u>	<u>4436</u>	<u>X</u>													
<u>SV-MW19-W</u>	<u>6/5/10</u>	<u>1120</u>	<u>1320</u>	<u>-30</u>	<u>-8</u>	<u>4756</u>	<u>3514</u>	<u>X</u>													
Special Instructions/QC Requirements & Comments:																					
Samples Shipped by: <u>[Signature]</u>												Date/Time: <u>6/5/10 1430</u>		Samples Received by: <u>[Signature]</u>						Date/Time: <u>7/16/10 1610</u>	
Samples Relinquished by:												Date/Time:		Received by:						Date/Time:	
Relinquished by:												Date/Time:		Received by:						Date/Time:	
Lab Use Only												Shipper Name:		Condition:						Opened by:	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – TO-15 Volatile

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ARCDIS SAMPLE NO.

SV-MW19-E

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY137633

Matrix: (soil/water) AIR Lab Sample ID: 832008

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: 832008

Level: (low/med) LOW Date Received: 06/04/10

% Moisture: not dec. _____ Date Analyzed: 06/12/10

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

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) PPBV

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	0.50	U
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.20	U
106-99-0	1,3-Butadiene	1.3	
74-83-9	Bromomethane	0.20	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.20	U
76-13-1	Freon TF	0.20	U
75-35-4	1,1-Dichloroethene	0.20	U
67-64-1	Acetone	17	
75-15-0	Carbon disulfide	0.67	
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-Butyl Ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.20	U
110-54-3	n-Hexane	15	
75-34-3	1,1-Dichloroethane	0.20	U
78-93-3	Methyl Ethyl Ketone	3.7	
156-59-2	cis-1,2-Dichloroethene	0.20	U
67-66-3	Chloroform	0.20	U
109-99-9	Tetrahydrofuran	5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	U
110-82-7	Cyclohexane	8.5	
56-23-5	Carbon tetrachloride	0.20	U
71-43-2	Benzene	8.4	
107-06-2	1,2-Dichloroethane	0.20	U
142-82-5	n-Heptane	9.1	
79-01-6	Trichloroethene	0.20	U
78-87-5	1,2-Dichloropropane	0.20	U
75-27-4	Bromodichloromethane	0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	U
108-10-1	Methyl Isobutyl Ketone	0.50	U
108-88-3	Toluene	10	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ARCDIS SAMPLE NO.

SV-MW19-E

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY137633

Matrix: (soil/water) AIR Lab Sample ID: 832008

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: 832008

Level: (low/med) LOW Date Received: 06/04/10

% Moisture: not dec. _____ Date Analyzed: 06/12/10

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
10061-02-6	trans-1,3-Dichloropropene	0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	U
127-18-4	Tetrachloroethene	0.20	U
591-78-6	Methyl Butyl Ketone	0.50	U
124-48-1	Dibromochloromethane	0.20	U
106-93-4	1,2-Dibromoethane	0.20	U
108-90-7	Chlorobenzene	0.20	U
100-41-4	Ethylbenzene	1.4	
1330-20-7	Xylene (m,p)	9.2	
95-47-6	Xylene (o)	3.2	
100-42-5	Styrene	0.20	U
75-25-2	Bromoform	0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U
622-96-8	4-Ethyltoluene	0.62	
108-67-8	1,3,5-Trimethylbenzene	1.7	
95-63-6	1,2,4-Trimethylbenzene	4.3	
541-73-1	1,3-Dichlorobenzene	0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.20	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ARCDIS SAMPLE NO.

SV-MW19-W

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY137633

Matrix: (soil/water) AIR Lab Sample ID: 832009

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: 832009

Level: (low/med) LOW Date Received: 06/04/10

% Moisture: not dec. _____ Date Analyzed: 06/12/10

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
76-14-2	1,2-Dichlorotetrafluoroethan	0.20	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.20	U
106-99-0	1,3-Butadiene	4.6	
74-83-9	Bromomethane	0.20	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.21	
76-13-1	Freon TF	0.20	U
75-35-4	1,1-Dichloroethene	0.20	U
67-64-1	Acetone	14	
75-15-0	Carbon disulfide	1.3	
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-Butyl Ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.20	U
110-54-3	n-Hexane	38	
75-34-3	1,1-Dichloroethane	0.20	U
78-93-3	Methyl Ethyl Ketone	3.7	
156-59-2	cis-1,2-Dichloroethene	0.20	U
67-66-3	Chloroform	0.20	U
109-99-9	Tetrahydrofuran	5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	U
110-82-7	Cyclohexane	20	
56-23-5	Carbon tetrachloride	0.20	U
71-43-2	Benzene	8.1	
107-06-2	1,2-Dichloroethane	0.20	U
142-82-5	n-Heptane	23	
79-01-6	Trichloroethene	0.20	U
78-87-5	1,2-Dichloropropane	0.20	U
75-27-4	Bromodichloromethane	0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	U
108-10-1	Methyl Isobutyl Ketone	0.50	U
108-88-3	Toluene	17	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ARCDIS SAMPLE NO.

SV-MW19-W

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY137633

Matrix: (soil/water) AIR Lab Sample ID: 832009

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: 832009

Level: (low/med) LOW Date Received: 06/04/10

% Moisture: not dec. _____ Date Analyzed: 06/12/10

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
10061-02-6	trans-1,3-Dichloropropene	0.20	U	
79-00-5	1,1,2-Trichloroethane	0.20	U	
127-18-4	Tetrachloroethene	0.20	U	
591-78-6	Methyl Butyl Ketone	0.50	U	
124-48-1	Dibromochloromethane	0.20	U	
106-93-4	1,2-Dibromoethane	0.20	U	
108-90-7	Chlorobenzene	0.20	U	
100-41-4	Ethylbenzene	2.2		
1330-20-7	Xylene (m,p)	14		
95-47-6	Xylene (o)	4.7		
100-42-5	Styrene	0.20	U	
75-25-2	Bromoform	0.20	U	
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	
622-96-8	4-Ethyltoluene	1.0		
108-67-8	1,3,5-Trimethylbenzene	2.4		
95-63-6	1,2,4-Trimethylbenzene	5.8		
541-73-1	1,3-Dichlorobenzene	0.20	U	
106-46-7	1,4-Dichlorobenzene	0.20	U	
95-50-1	1,2-Dichlorobenzene	0.20	U	
120-82-1	1,2,4-Trichlorobenzene	0.50	U	
87-68-3	Hexachlorobutadiene	0.20	U	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK061110FA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY137633

Matrix: (soil/water) AIR Lab Sample ID: MBLK061110FA

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: FDNB01AU

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

% Moisture: not dec. _____ Date Analyzed: 06/11/10

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
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.20	U
106-99-0	1,3-Butadiene	0.50	U
74-83-9	Bromomethane	0.20	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.20	U
76-13-1	Freon TF	0.20	U
75-35-4	1,1-Dichloroethene	0.20	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-Butyl Ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.20	U
110-54-3	n-Hexane	0.50	U
75-34-3	1,1-Dichloroethane	0.20	U
78-93-3	Methyl Ethyl Ketone	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.20	U
67-66-3	Chloroform	0.20	U
109-99-9	Tetrahydrofuran	5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	U
110-82-7	Cyclohexane	0.20	U
56-23-5	Carbon tetrachloride	0.20	U
71-43-2	Benzene	0.20	U
107-06-2	1,2-Dichloroethane	0.20	U
142-82-5	n-Heptane	0.20	U
79-01-6	Trichloroethene	0.20	U
78-87-5	1,2-Dichloropropane	0.20	U
75-27-4	Bromodichloromethane	0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	U
108-10-1	Methyl Isobutyl Ketone	0.50	U
108-88-3	Toluene	0.20	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK061110FA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY137633

Matrix: (soil/water) AIR Lab Sample ID: MBLK061110FA

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: FDNB01AU

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

% Moisture: not dec. _____ Date Analyzed: 06/11/10

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
10061-02-6	trans-1,3-Dichloropropene	0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	U
127-18-4	Tetrachloroethene	0.20	U
591-78-6	Methyl Butyl Ketone	0.50	U
124-48-1	Dibromochloromethane	0.20	U
106-93-4	1,2-Dibromoethane	0.20	U
108-90-7	Chlorobenzene	0.20	U
100-41-4	Ethylbenzene	0.20	U
1330-20-7	Xylene (m,p)	0.40	U
95-47-6	Xylene (o)	0.20	U
100-42-5	Styrene	0.20	U
75-25-2	Bromoform	0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U
622-96-8	4-Ethyltoluene	0.20	U
108-67-8	1,3,5-Trimethylbenzene	0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.20	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FA061110LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY137633

Matrix: (soil/water) AIR Lab Sample ID: FA061110LCS

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: FDN10AUQ

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

% Moisture: not dec. _____ Date Analyzed: 06/11/10

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	
76-14-2	1,2-Dichlorotetrafluoroethane	10	
74-87-3	Chloromethane	7.8	
75-01-4	Vinyl Chloride	8.5	
106-99-0	1,3-Butadiene	8.4	
74-83-9	Bromomethane	9.9	
75-00-3	Chloroethane	8.6	
75-69-4	Trichlorofluoromethane	11	
76-13-1	Freon TF	12	
75-35-4	1,1-Dichloroethene	11	
67-64-1	Acetone	8.9	
75-15-0	Carbon disulfide	10	
75-09-2	Methylene chloride	9.0	
1634-04-4	Methyl tert-Butyl Ether	10	
156-60-5	trans-1,2-Dichloroethene	9.2	
110-54-3	n-Hexane	8.6	
75-34-3	1,1-Dichloroethane	9.3	
78-93-3	Methyl Ethyl Ketone	9.4	
156-59-2	cis-1,2-Dichloroethene	10	
67-66-3	Chloroform	10	
109-99-9	Tetrahydrofuran	8.0	
71-55-6	1,1,1-Trichloroethane	11	
110-82-7	Cyclohexane	9.5	
56-23-5	Carbon tetrachloride	11	
71-43-2	Benzene	9.4	
107-06-2	1,2-Dichloroethane	10	
142-82-5	n-Heptane	8.0	
79-01-6	Trichloroethene	10	
78-87-5	1,2-Dichloropropane	8.6	
75-27-4	Bromodichloromethane	11	
10061-01-5	cis-1,3-Dichloropropene	9.3	
108-10-1	Methyl Isobutyl Ketone	8.4	
108-88-3	Toluene	9.4	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FA061110LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY137633

Matrix: (soil/water) AIR Lab Sample ID: FA061110LCS

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: FDN10AUQ

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

% Moisture: not dec. _____ Date Analyzed: 06/11/10

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

10061-02-6	trans-1,3-Dichloropropene	9.6	
79-00-5	1,1,2-Trichloroethane	9.1	
127-18-4	Tetrachloroethene	10	
591-78-6	Methyl Butyl Ketone	8.3	
124-48-1	Dibromochloromethane	11	
106-93-4	1,2-Dibromoethane	10	
108-90-7	Chlorobenzene	9.5	
100-41-4	Ethylbenzene	9.9	
1330-20-7	Xylene (m,p)	19	
95-47-6	Xylene (o)	9.5	
100-42-5	Styrene	9.5	
75-25-2	Bromoform	12	
79-34-5	1,1,2,2-Tetrachloroethane	9.4	
622-96-8	4-Ethyltoluene	10	
108-67-8	1,3,5-Trimethylbenzene	10	
95-63-6	1,2,4-Trimethylbenzene	10	
541-73-1	1,3-Dichlorobenzene	10	
106-46-7	1,4-Dichlorobenzene	10	
95-50-1	1,2-Dichlorobenzene	10	
120-82-1	1,2,4-Trichlorobenzene	11	
87-68-3	Hexachlorobutadiene	12	

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY137633

Matrix Spike - Sample No.: FA061110LCS

COMPOUND	SPIKE ADDED (ppbv)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	10		11	110	70-130
1,2-Dichlorotetrafluoro	10		10	100	70-130
Chloromethane	10		7.8	78	70-130
Vinyl Chloride	10		8.5	85	70-130
1,3-Butadiene	10		8.4	84	70-130
Bromomethane	10		9.9	99	70-130
Chloroethane	10		8.6	86	70-130
Trichlorofluoromethane	10		11	110	70-130
Freon TF	10		12	120	70-130
1,1-Dichloroethene	10		11	110	70-130
Acetone	10		8.9	89	70-130
Carbon disulfide	10		10	100	70-130
Methylene chloride	10		9.0	90	70-130
Methyl tert-Butyl Ether	10		10	100	70-130
trans-1,2-Dichloroethen	10		9.2	92	70-130
n-Hexane	10		8.6	86	70-130
1,1-Dichloroethane	10		9.3	93	70-130
Methyl Ethyl Ketone	10		9.4	94	70-130
cis-1,2-Dichloroethene	10		10	100	70-130
Chloroform	10		10	100	70-130
Tetrahydrofuran	10		8.0	80	70-130
1,1,1-Trichloroethane	10		11	110	70-130
Cyclohexane	10		9.5	95	70-130
Carbon tetrachloride	10		11	110	70-130
Benzene	10		9.4	94	70-130
1,2-Dichloroethane	10		10	100	70-130
n-Heptane	10		8.0	80	70-130
Trichloroethene	10		10	100	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: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY137633

Matrix Spike - Sample No.: FA061110LCS

COMPOUND	SPIKE ADDED (ppbv)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.
1,2-Dichloropropane	10		8.6	86	70-130
Bromodichloromethane	10		11	110	70-130
cis-1,3-Dichloropropene	10		9.3	93	70-130
Methyl Isobutyl Ketone	10		8.4	84	70-130
Toluene	10		9.4	94	70-130
trans-1,3-Dichloropropene	10		9.6	96	70-130
1,1,2-Trichloroethane	10		9.1	91	70-130
Tetrachloroethene	10		10	100	70-130
Methyl Butyl Ketone	10		8.3	83	70-130
Dibromochloromethane	10		11	110	70-130
1,2-Dibromoethane	10		10	100	70-130
Chlorobenzene	10		9.5	95	70-130
Ethylbenzene	10		9.9	99	70-130
Xylene (m,p)	20		19	95	70-130
Xylene (o)	10		9.5	95	70-130
Styrene	10		9.5	95	70-130
Bromoform	10		12	120	70-130
1,1,2,2-Tetrachloroethane	10		9.4	94	70-130
4-Ethyltoluene	10		10	100	70-130
1,3,5-Trimethylbenzene	10		10	100	70-130
1,2,4-Trimethylbenzene	10		10	100	70-130
1,3-Dichlorobenzene	10		10	100	70-130
1,4-Dichlorobenzene	10		10	100	70-130
1,2-Dichlorobenzene	10		10	100	70-130
1,2,4-Trichlorobenzene	10		11	110	70-130
Hexachlorobutadiene	10		12	120	70-130

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

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 54 outside limits

COMMENTS:

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLK061110FA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY137633
 Lab File ID: FDNB01AU Lab Sample ID: MBLK061110FA
 Date Analyzed: 06/11/10 Time Analyzed: 1316
 GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
 Instrument ID: F

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

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	FA061110LCS	FA061110LCS	FDN10AUQ	1225
02	SV-MW19-E	832008	832008	0445
03	SV-MW19-W	832009	832009	0537
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
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22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY137633
 Lab File ID: FDN01PV BFB Injection Date: 04/07/10
 Instrument ID: F BFB Injection Time: 0919
 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	17.6
75	30.0 - 66.0% of mass 95	47.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.5 (0.5)1
174	50.0 - 120.0% of mass 95	87.9
175	4.0 - 9.0% of mass 174	6.1 (6.9)1
176	93.0 - 101.0% of mass 174	85.3 (97.1)1
177	5.0 - 9.0% of mass 176	5.5 (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	ASTD0.2	ASTD0.2	FDN002V	04/07/10	1104
02	ASTD0.5	ASTD0.5	FDN005V	04/07/10	1157
03	ASTD05	ASTD05	FDN05V	04/07/10	1251
04	ASTD010	ASTD010	FDN10V2	04/07/10	1437
05	ASTD015	ASTD015	FDN15V	04/07/10	1528
06	ASTD020	ASTD020	FDN20V	04/07/10	1619
07	ASTD040	ASTD040	FDN40V	04/07/10	1709
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY137633
 Lab File ID: FDN48PV BFB Injection Date: 06/11/10
 Instrument ID: F BFB Injection Time: 1047
 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	16.4
75	30.0 - 66.0% of mass 95	47.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.4 (0.5)1
174	50.0 - 120.0% of mass 95	84.4
175	4.0 - 9.0% of mass 174	5.9 (7.0)1
176	93.0 - 101.0% of mass 174	82.3 (97.4)1
177	5.0 - 9.0% of mass 176	5.3 (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	ASTD010	ASTD010	FDN10AUV	06/11/10	1135
02	FA061110LCS	FA061110LCS	FDN10AUQ	06/11/10	1225
03	MBLK061110FA	MBLK061110FA	FDNB01AU	06/11/10	1316
04	SV-MW19-E	832008	832008	06/12/10	0445
05	SV-MW19-W	832009	832009	06/12/10	0537
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY137633
 Instrument ID: F Calibration Date(s): 04/07/10 04/07/10
 Heated Purge: (Y/N) N Calibration Time(s): 1104 1709
 GC Column: RTX-624 ID: 0.32 (mm)

LAB FILE ID:	RRF0.2=FDN002V	RRF0.5=FDN005V					
RRF5 =FDN05V	RRF10 =FDN10V2	RRF15 =FDN15V					
COMPOUND	RRF0.2	RRF0.5	RRF5	RRF10	RRF15	RRF	% RSD
Dichlorodifluoromethane		2.339	2.320	2.300	2.118		
1,2-Dichlorotetrafluoroethane	2.460	2.474	2.452	2.428	2.234		
Chloromethane		0.773	0.723	0.716	0.657		
Vinyl Chloride	0.909	0.922	0.951	0.935	0.882		
1,3-Butadiene	0.743	0.747	0.713	0.709	0.668		
Bromomethane	1.089	1.072	1.040	1.018	1.009		
Chloroethane		0.591	0.571	0.565	0.547		
Trichlorofluoromethane	2.922	2.948	2.890	2.869	2.766		
Freon TF	2.049	2.077	2.023	2.000	2.018		
1,1-Dichloroethene	1.013	0.973	0.968	0.950	0.957		
Acetone			1.786	1.844	1.638		
Carbon disulfide		3.110	3.157	3.096	3.102		
Methylene chloride		1.375	1.221	1.195	1.150		
Methyl tert-Butyl Ether	3.231	3.152	3.174	3.157	3.146		
trans-1,2-Dichloroethene	1.734	1.709	1.724	1.698	1.661		
n-Hexane	1.885	1.828	1.827	1.773	1.750		
1,1-Dichloroethane *	2.092	2.068	2.074	2.055	2.008		*
Methyl Ethyl Ketone		0.564	0.567	0.558	0.560		
cis-1,2-Dichloroethene	1.189	1.161	1.161	1.137	1.149		
Chloroform	2.426	2.346	2.363	2.327	2.300		
Tetrahydrofuran			0.256	0.254	0.248		
1,1,1-Trichloroethane	0.506	0.484	0.498	0.491	0.496		
Cyclohexane	0.319	0.310	0.321	0.317	0.325		
Carbon tetrachloride	0.508	0.504	0.520	0.520	0.531		
Benzene	0.743	0.719	0.702	0.688	0.700		
1,2-Dichloroethane	0.328	0.333	0.337	0.329	0.325		
n-Heptane	0.449	0.443	0.427	0.421	0.411		
Trichloroethene	0.322	0.314	0.315	0.313	0.319		
1,2-Dichloropropane	0.264	0.270	0.267	0.263	0.265		
Bromodichloromethane	0.510	0.493	0.527	0.529	0.532		
cis-1,3-Dichloropropene	0.405	0.398	0.416	0.419	0.424		
Methyl Isobutyl Ketone		0.505	0.540	0.539	0.530		
Toluene	0.562	0.536	0.532	0.532	0.561		
trans-1,3-Dichloropropene	0.402	0.414	0.442	0.446	0.447		
1,1,2-Trichloroethane	0.279	0.261	0.262	0.261	0.272		
Tetrachloroethene	0.466	0.451	0.447	0.450	0.486		
Methyl Butyl Ketone		0.496	0.531	0.538	0.543		

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

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY137633
 Instrument ID: F Calibration Date(s): 04/07/10 04/07/10
 Heated Purge: (Y/N) N Calibration Time(s): 1104 1709
 GC Column: RTX-624 ID: 0.32 (mm)

LAB FILE ID:	RRF20 =FDN20V		RRF40 =FDN40V				RRF	% RSD
COMPOUND	RRF20	RRF40						
Dichlorodifluoromethane	2.027	1.837				2.157	9.3	
1,2-Dichlorotetrafluoroethan	2.127	1.890				2.295	9.7	
Chloromethane	0.627	0.583				0.680	10.3	
Vinyl Chloride	0.833	0.786				0.888	6.7	
1,3-Butadiene	0.631	0.597				0.687	8.3	
Bromomethane	0.986	0.931				1.021	5.2	
Chloroethane	0.524	0.502				0.550	6.0	
Trichlorofluoromethane	2.694	2.556				2.806	5.1	
Freon TF	2.001	1.926				2.013	2.3	
1,1-Dichloroethene	0.961	0.924				0.964	2.8	
Acetone	1.591	1.463				1.664	9.2	
Carbon disulfide	3.050	2.901				3.069	2.9	
Methylene chloride	1.122	1.049				1.185	9.3	
Methyl tert-Butyl Ether	3.114	2.969				3.135	2.6	
trans-1,2-Dichloroethene	1.632	1.528				1.669	4.3	
n-Hexane	1.722	1.595				1.768	5.3	
1,1-Dichloroethane *	1.971	1.840				2.015	4.4*	
Methyl Ethyl Ketone	0.550	0.498				0.550	4.7	
cis-1,2-Dichloroethene	1.140	1.080				1.145	2.9	
Chloroform	2.260	2.149				2.310	3.8	
Tetrahydrofuran	0.243	0.230				0.246	4.3	
1,1,1-Trichloroethane	0.492	0.480				0.492	1.8	
Cyclohexane	0.324	0.313				0.318	1.7	
Carbon tetrachloride	0.532	0.530				0.521	2.1	
Benzene	0.694	0.671				0.702	3.3	
1,2-Dichloroethane	0.321	0.312				0.326	2.5	
n-Heptane	0.403	0.373				0.418	6.1	
Trichloroethene	0.318	0.311				0.316	1.2	
1,2-Dichloropropane	0.261	0.251				0.263	2.4	
Bromodichloromethane	0.528	0.516				0.519	2.7	
cis-1,3-Dichloropropene	0.420	0.411				0.413	2.2	
Methyl Isobutyl Ketone	0.518	0.484				0.519	4.2	
Toluene	0.563	0.509				0.542	3.8	
trans-1,3-Dichloropropene	0.449	0.436				0.434	4.2	
1,1,2-Trichloroethane	0.277	0.265				0.268	2.9	
Tetrachloroethene	0.505	0.506				0.473	5.4	
Methyl Butyl Ketone	0.543	0.502				0.526	4.1	

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

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY137633
 Instrument ID: F Calibration Date: 06/11/10 Time: 1135
 Lab File ID: FDN10AUV Init. Calib. Date(s): 04/07/10 04/07/10
 Heated Purge: (Y/N) N Init. Calib. Times: 1104 1709
 GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND	RRF	RRF10	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2.157	2.544	0.01	17.9	30.0
1,2-Dichlorotetrafluoroethan	2.295	2.495	0.01	8.7	30.0
Chloromethane	0.680	0.595	0.01	12.5	30.0
Vinyl Chloride	0.888	0.814	0.01	8.3	30.0
1,3-Butadiene	0.687	0.611	0.01	11.1	30.0
Bromomethane	1.021	1.067	0.01	4.5	30.0
Chloroethane	0.550	0.516	0.01	6.2	30.0
Trichlorofluoromethane	2.806	3.280	0.01	16.9	30.0
Freon TF	2.013	2.126	0.01	5.6	30.0
1,1-Dichloroethene	0.964	0.982	0.01	1.9	30.0
Acetone	1.664	1.674	0.01	0.6	30.0
Carbon disulfide	3.069	3.128	0.01	1.9	30.0
Methylene chloride	1.185	1.071	0.01	9.6	30.0
Methyl tert-Butyl Ether	3.135	3.156	0.01	0.7	30.0
trans-1,2-Dichloroethene	1.669	1.609	0.01	3.6	30.0
n-Hexane	1.768	1.586	0.01	10.3	30.0
1,1-Dichloroethane	2.015	1.952	0.1	3.1	30.0
Methyl Ethyl Ketone	0.550	0.524	0.01	4.7	30.0
cis-1,2-Dichloroethene	1.145	1.134	0.01	1.0	30.0
Chloroform	2.310	2.463	0.01	6.6	30.0
Tetrahydrofuran	0.246	0.213	0.01	13.4	30.0
1,1,1-Trichloroethane	0.492	0.561	0.01	14.0	30.0
Cyclohexane	0.318	0.301	0.01	5.3	30.0
Carbon tetrachloride	0.521	0.598	0.01	14.8	30.0
Benzene	0.702	0.672	0.01	4.3	30.0
1,2-Dichloroethane	0.326	0.336	0.01	3.1	30.0
n-Heptane	0.418	0.356	0.01	14.8	30.0
Trichloroethene	0.316	0.322	0.01	1.9	30.0
1,2-Dichloropropane	0.263	0.241	0.01	8.4	30.0
Bromodichloromethane	0.519	0.564	0.01	8.7	30.0
cis-1,3-Dichloropropene	0.413	0.400	0.01	3.1	30.0
Methyl Isobutyl Ketone	0.519	0.458	0.01	11.8	30.0
Toluene	0.542	0.522	0.01	3.7	30.0
trans-1,3-Dichloropropene	0.434	0.442	0.01	1.8	30.0
1,1,2-Trichloroethane	0.268	0.263	0.01	1.9	30.0
Tetrachloroethene	0.473	0.475	0.01	0.4	30.0
Methyl Butyl Ketone	0.526	0.456	0.01	13.3	30.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY137633
 Instrument ID: F Calibration Date: 06/11/10 Time: 1135
 Lab File ID: FDN10AUV Init. Calib. Date(s): 04/07/10 04/07/10
 Heated Purge: (Y/N) N Init. Calib. Times: 1104 1709
 GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND	\overline{RRF}	RRF10	MIN RRF	%D	MAX %D
Dibromochloromethane	0.562	0.608	0.01	8.2	30.0
1,2-Dibromoethane	0.504	0.520	0.01	3.2	30.0
Chlorobenzene	0.763	0.731	0.3	4.2	30.0
Ethylbenzene	1.189	1.205	0.01	1.3	30.0
Xylene (m,p)	0.484	0.474	0.01	2.1	30.0
Xylene (o)	0.477	0.466	0.01	2.3	30.0
Styrene	0.747	0.723	0.01	3.2	30.0
Bromoform	0.590	0.676	0.01	14.6	30.0
1,1,2,2-Tetrachloroethane	0.708	0.716	0.01	1.1	30.0
4-Ethyltoluene	1.409	1.450	0.01	2.9	30.0
1,3,5-Trimethylbenzene	1.163	1.215	0.01	4.5	30.0
1,2,4-Trimethylbenzene	1.178	1.227	0.01	4.2	30.0
1,3-Dichlorobenzene	0.841	0.875	0.01	4.0	30.0
1,4-Dichlorobenzene	0.838	0.878	0.01	4.8	30.0
1,2-Dichlorobenzene	0.792	0.843	0.01	6.4	30.0
1,2,4-Trichlorobenzene	0.686	0.671	0.01	2.2	30.0
Hexachlorobutadiene	0.617	0.669	0.01	8.4	30.0

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY137633
 Lab File ID (Standard): FDN10AUV Date Analyzed: 06/11/10
 Instrument ID: F Time Analyzed: 1135
 GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

	IS1 (BCM)		IS2 (DFB)		IS3 (CBZ)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	378129	9.59	1837482	10.98	1779768	15.09
UPPER LIMIT	529381	9.92	2572475	11.31	2491675	15.42
LOWER LIMIT	226877	9.26	1102489	10.65	1067861	14.76
=====	=====	=====	=====	=====	=====	=====
CLIENT						
SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 FA061110LCS	412713	9.59	1994268	10.98	1918492	15.09
02 MBLK061110FA	410931	9.59	2002882	10.98	1815694	15.09
03 SV-MW19-E	481066	9.59	2260375	10.98	2153148	15.09
04 SV-MW19-W	457431	9.59	2174230	10.98	2041330	15.09
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

IS1 (BCM) = Bromochloromethane
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = + 40% of internal standard area
 AREA LOWER LIMIT = - 40% of internal standard area
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.