April 25, 2013

Ms. Dana Kaplan
Environmental Engineer, MPA
New York State Department of Environmental Conservation
Division of Environmental Remediation
47-40 21st Street
Long Island City, NY 11101-5401

Re: **Data Summary Letter Report**
1095 Southern Blvd., Bronx, NY
Site # C203055A

Dear Ms. Kaplan,

This Data Summary Letter Report has been prepared to summarize the March/April 2012 and March 2013 field activities and analytical results for the above referenced Site. The Site is located at 1095 Southern Blvd., Bronx, NY. The work performed during the field investigation involved the collection of air samples from several adjacent residential and commercial buildings. The work was performed by EnviroTrac Ltd. (EnviroTrac) for the New York State Department of Environmental Conservation (NYSDEC) under NYSDEC Contract #C100902.

In accordance with the NYSDEC Scope of Work (SOW), EnviroTrac was directed to perform the following tasks:

- Collect (1) one sub-slab soil gas, (1) one indoor air sample, and (1) one outdoor air sample from each of the following locations in March-April 2012: 1111 Southern Boulevard, 1110 Simpson Street, 1102 Southern Boulevard, and 1093 Southern Boulevard (Day Care Center) in accordance with the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion document, dated October 2006. Additionally, a duplicate sample was collected from 1102 Southern Boulevard.

- Collect (1) one additional indoor air and (1) one outdoor air sample from the Day Care Center located at 1093 Southern Boulevard and (1) indoor air sample and (1) sub-slab vapor sample from the Furniture Store located on the ground level of 1093 Southern Boulevard in March 2013 in accordance with the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion document, dated October 2006.

- Fill and patch any holes created in the slabs.

- Samples were to be analyzed for Volatile Organic Compounds (VOCs) via United States Environmental Protection Agency (USEPA) Method TO-15. Soil gas

samples were collected using batch certified six (6) liter Summa canisters equipped with an 8-hour flow regulators.

- Preparation and submittal of an electronic deliverable to the NYSDEC which documents and evaluates the findings of the investigation.

Soil Vapor Sample Installation

On March 7, 2012, EnviroTrac was granted access to the residences and commercial properties located at 1110 Simpson Avenue and 1111 Southern Boulevard, Bronx, NY. One (1) sub-slab soil gas sample was collected from beneath the slab of each of the locations (H-1-SS-40975 and H-2-SS-40975). An indoor air sample was also collected from the basements of each of the locations (H-1-BS-40975 and H-2-BS-40975). Additionally, an ambient outdoor sample was collected from each address (H-1-AA-40975 and H-2-AA-40975).

On March 20, 2012, EnviroTrac was also granted access to 1102 Southern Boulevard. One (1) sub-slab soil gas sample was collected from beneath the slab (H-003-SS-40988) at this location. One (1) indoor air sample was collected from the basement (H-003-BA-40988). An ambient outdoor sample was collected from outside of the building (H-003-OA-40988). Additionally, a duplicate indoor sample was collected from the basement. (H-003-BA-Dup-40988).

One additional location was sampled in 2012. On April 10, 2012, EnviroTrac collected (2) two indoor air samples from 1093 Southern Boulevard, Bronx, NY. (H-4-BA-41009 and H-4-BA2-41009). Additionally, an ambient outdoor air sample was collected from outside of the building (H-4-OA-41009).

In March 2013, EnviroTrac was asked to collect additional samples from 1093 Southern Boulevard. One (1) sub-slab soil gas sample (Furniture Store-SS) was installed in the slab beneath the Furniture Store located on the ground level of the building. An indoor air sample (Furniture Store-IA) was collected from the area within the Furniture Store. An additional indoor air sample was collected from within the Day Care Center located on the second floor of the building (Day Care-IA). An outdoor air sample was collected from the Playground area located behind the building (Day Care-OA).

All soil gas samples in 2012 and 2013 with the exception of 1093 Southern Boulevard, were collected using laboratory-evacuated six (6) Liter (L) Summa canisters with 24-hour flow regulators provided by Test America Laboratories Inc. of Knoxville, TN (TAL). Samples from 1093 Southern Boulevard were collected using laboratory-evacuated six (6) Liter (L) Summa canisters with 8-hour flow regulators. In accordance with *NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (October 2006), a hole was drilled in the slab of the buildings where sub-stab soil gas samples were collected using a hammer drill. A helium tracer gas was utilized during the sampling of the sub-slab locations. The tracer gas was used to verify that the infiltration of outdoor (ambient) air was not occurring during sample collection. A two (2) quart enclosure was placed over the well head. The well tubing was run through an outlet and Sculpty Modeling Clay was used to seal the interface between the tubing and the enclosure. The enclosure was then sealed at the ground surface with a polyurethane foam gasket. A

tank containing Ultra High Purity (UHP) helium (99.999%) was connected to the side port of the enclosure and enough helium was released to displace any ambient air and to maintain a positive pressure within the enclosure.

Following the application of the tracer gas, approximately one (1) to three (3) volumes were purged from the soil gas sampling point using a Gillian GilAir-3 air sample pump. A Dielectric MGD-2002 helium detector was used to check for the presence of the tracer gas in the purged soil vapor; if less than 10% of the tracer gas was detected, a sample was collected. Following the collection of the soil gas sample, the helium detector was re-connected to the tubing to check for the presence of the tracer gas in the soil vapor; if less than 10% of the tracer gas was detected, the sample was acceptable for analyses. No elevated concentrations of helium were detected prior to or following the sample collection from any of the soil gas conduits.

Additional indoor and ambient air samples were also collected using laboratory-evacuated six (6) Liter (L) Summa canisters with flow regulators provided by Test America Laboratories Inc. of Knoxville, TN (TAL).

Copies of the completed Summa Canister Sampling Field Data Sheets from the sampling events are provided as an attachment to this letter as well as additional field notes collected by EnviroTrac.

A chain of custody form was maintained and accompanied all samples, which were picked up, via courier, and delivered to TAL. The samples were analyzed for VOCs via USEPA Method TO-15.

Summarized laboratory analytical results are provided in **Table 1**. The data was validated, and a Data Usability Summary Reports for each location are also provided. The DUSR was completed by Environmental Data Services Inc. (EDS).

If you have any questions, please contact me.

Sincerely,
EnviroTrac Ltd.

Donna Amoscato
Staff Scientist

Attachments

Lab Report
Field Notes
DUSR Report

EnviroTrac

Table 1

Summary of Air Sampling Analytical Results for Detected VOCs

1095 Southern Blvd.
Bronx, NY
Site # C203055A

Sample ID	H-1-SS-40975	H-1-BS-40975	H-1-AA-40975	H-2-SS-40975	H-2-BS-40975	H-2-AA-40975	H-003-SS-40988	H-003-BA-40988	H-003-OA-40988	H-003-BA- Dup-40988	H-4-BA-41009	H-4-OA-41009	H-4-BA2-41009	Day Care-IA	Day Care-OA	Funtinure Store-IA	Furniture Store-SS
Matrix	AIR	AIR	AIR	AIR	AIR	Air	Air	Air	Air	Air	Air	Air	Air	AIR	AIR	AIR	AIR
Address	1111 Southern Blvd.	1111 Southern Blvd.	1111 Southern Blvd.	1110 Simpson St.	1110 Simpson St.	1110 Simpson St.	1102 Southern Blvd.	1102 Southern Blvd.	1102 Southern Blvd.	1102 Southern Blvd.	1093 Southern Blvd.	1093 Southern Blvd.	1093 Southern Blvd.	1093 Southern Blvd.	1093 Southern Blvd.	1093 Southern Blvd.	1093 Southern Blvd.
Date Sampled	3/7/2012	3/7/2012	3/7/2012	3/7/2012	3/7/2012	3/7/2012	3/20/2012	3/20/2012	3/20/2012	3/20/2012	4/10/2012	4/10/2012	4/10/2012	3/5/13	3/5/13	3/5/13	3/13/12
Ethanol	18	130	51	17	1300 E	24	14	670 E	35	690 E	1900 E	10	76	1,400 E	9.7	28	ND
Ethylbenzene	10	0.58	ND	10	0.86	0.38	24	1.2	0.43	1.5	ND	ND	0.98	0.53	ND	ND	ND
Trichlorofluoromethane	1.3	1.2	1.4	1.4	1.4	1.3	3.6	1.6	1.4	1.7	ND	1.1	1.1	1.2	1.2	1.1	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Hexane	2.5	ND	ND	2.8	1.5	ND	6	3	0.85	3.1	ND	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	1.3	ND	ND	1	ND	ND	2	3.4	ND	2.7	ND	ND	ND	ND	ND	ND	ND
tert-Butyl alcohol	4	ND	ND	8.1	2.7	ND	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	1.7	12	2.5	ND	1	0.77	1.5	0.8	0.94	0.93	ND	ND	ND	ND	2.2	ND	ND
Benzene	2.3	0.66	ND	5.2	1	0.77	4.6	2.1	0.74	1.6	ND	0.48	0.55	4.8	0.60	1.0	ND
Benzyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	0.82	ND	ND	0.75	2	ND	1.2	ND	ND	ND	ND	ND	ND	0.44	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	8.7	3	1.6	4.5	0.77	ND	4.2	1.3	ND	1.1	ND	ND	ND	ND	ND	ND	52
Toluene	27	3.1	ND	31	26	2.6	59	7	3.4	6.8	48	0.99	29	1.4	1.2 B	1.8	5.7
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.88	ND
1,1,1-Trichloroethane	ND	ND	4.5	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.83	0.61	ND	ND	ND	ND	3.8	0.22	1.4	ND	ND	ND	ND	ND	ND	ND	1.4
1,2,4-Trimethylbenzene	19	0.97	ND	17	3	0.57	29	ND	0.57	2	ND	ND	1.4	1.3	1.3	ND	3.0
1,3,5-Trimethylbenzene	5.1	ND	ND	4	0.72	ND	6.8	ND	ND	0.55	ND	ND	0.41	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	15	0.68	ND	13	1.1	0.48	32	0.85	0.58	1.9	ND	ND	1.2	0.58	0.38	0.42	1.8
Methyl tert-butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichlorotrifluoroethane	ND	ND	0.63	ND	ND	ND	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m-Xylene & p-Xylene	41	2	ND	40	2.6	1.3	110	3.1	1.5	5.6	ND	0.52	3.3	1.3	0.78	1.0	4.3
Bromodichloromethane	ND	0.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.9
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.53	ND	ND	ND
2-Butanone (MEK)	8.4	1.8	ND	6.7	2.7	1.4	16	3.5	2.3	4.3	ND	1.6	2.1	1.1	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	1.1	ND	ND	ND	ND	ND	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.48	0.48	0.38	0.34	0.57	0.54	0.3	0.69	0.43	0.51	ND	1.2	0.43	0.59	0.51	0.54	2.8
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND
Chloroform	ND	7.3	ND	4.9	8.9	ND	14	2.3	ND	2.3	ND	ND	1.2	1.6	ND	ND	430 E
Chloromethane	ND	0.95	1.2	ND	1.8	1.2	ND	1.8	1.6	1.7	ND	ND	1.1	ND	1.2	ND	ND
Cyclohexane	1.2	ND	ND	1.2	ND	ND	1.9	1.4	ND	1.1	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	0.39	ND	2.3	ND	ND	3.2	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.3	13	ND	0.69	0.68	ND	5.9	ND	0.54	1.4	64	ND	30	1.4	ND	ND	20
Dichlorodifluoromethane	2.7	2.3	2.6	2.4	2.3	2.6	4	2.7	2.6	2.8	ND	2.2	1.9	0.79	1.8	0.82	2.4
1,1-Dichloroethane	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.8	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	2.8	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

1. **Concentration Units = ug/m3**
2. **B = Method Blank Contamination**
3. **ND = Not detected above the method detection limit of the laboratory**
4. **E = Estimated Result**

Summa Canister Sampling Field Data Sheet

SITE# C903055A

Site: Southern ~~West Side~~ 1093 Southern)

Samplers: Donna Eschrich / Lenny Darmiento

Date: April 10, 2012

Sample #	H-4-BA-4041009	H-4-OA-4041009		H-4-BA2-41009	
Location	1093 SOUTHERN BLVD, BRONX, NY - DAYCARE 2nd floor			DOWNSTAIRS	
Summa Canister ID	6126	12439		12257	
Flow Controller ID	K183	K382		K495	
Additional Tubing Added	(NO) / YES - How much	(NO) / YES - How much	NO / YES - How much	(NO) / YES - How much	NO / YES - How much
Purge Time (Start)					
Purge Time (Stop)					
Total Purge Time (min)					
Purge Volume					
Initial Tracer Gas Results					
CH4 (ppm)					
O2 (%)					
H2S (ppm)					
CO2 (ppm)					
Pressure Gauge - before sampling	-30+	-30+		-29.5	
Sample Time (Start)	9:33am	9:45		10:20am	
Sample Time (Stop)	4:33pm	4:40pm		4:36pm	
Total Sample Time (min)					
Pressure Gauge - after sampling	10	10		13	
Sample Volume	6L	6L		6L	
Canister Pressure Went To Ambient Pressure?	YES / NO	YES / NO	YES / NO	YES / NO	YES / NO
Final Tracer Gas Results	—	—			
Weather 24 hours before and during sampling	60° clear				
General Comments:					

Summa Canister Sampling Field Data Sheet

Site: 1110 SIMPSON ST BRONX NY SITE # C203055A
Samplers: DONNA ESCHRICH/LENNY DARMIENTO
Date: MARCH 7, 2012

Sample #	H-2-SS-40975	H-2-BS-40975	H-2-AA-40975		
Location	1110 SIMPSON ST. BRONX, NY	→	→		
Summa Canister ID	1136	03601	7495		
Flow Controller ID	K314	K277	K257		
Additional Tubing Added	NO/ (YES) - How much 3ft	NO/ YES - How much	NO/ YES - How much	NO/ YES - How much	NO/ YES - How much
Purge Time (Start)	11:56				
Purge Time (Stop)	12:01	~~12:17~~			
Total Purge Time (min)	5min				
Purge Volume	1L				
Initial Tracer Gas Results	0ppm				
CH4 (ppm)					
O2 (%)					
H2S (ppm)					
CO2 (ppm)					
Pressure Gauge - before sampling	-30+	-30+	-30		
Sample Time (Start)	12:07	12:17	12:24		
Sample Time (Stop)	11:48	11:49	11:55		
Total Sample Time (min)					
Pressure Gauge - after sampling	-3	-4.5	-4		
Sample Volume	6L	6L	6L		
Canister Pressure Went To Ambient Pressure?	YES / NO	YES / NO	YES / NO	YES / NO	YES / NO
Final Tracer Gas Results					
Weather 24 hours before and during sampling	60°, sunny, clear				

General Comments:

Summa Canister Sampling Field Data Sheet

Site: 1111 SOUTHERN BLVD SITE # C203055A
Samplers: DONNA ESCHRICH/LENNY DARMIENTO
Date: MARCH 7, 2012

Sample #	H-1-SS-40975	H-1-BS-40975	H-1-AA-40975		
Location	1111 SOUTHERN BLVD, BRONX, NY BOILER ROOM	HALLWAY	COURTYARD		
Summa Canister ID	6120	12213	7496		
Flow Controller ID	K472	K235	K433		
Additional Tubing Added	NO/ (YES) - How much 3ft	(NO)/ YES - How much	(NO)/ YES - How much	NO/ YES - How much	NO/ YES - How much
Purge Time (Start)	9:57				
Purge Time (Stop)	10:02				
Total Purge Time (min)	5 min				
Purge Volume	1L				
Initial Tracer Gas Results	0 ppm				
CH4 (ppm)					
O2 (%)					
H2S (ppm)					
CO2 (ppm)					
Pressure Gauge - before sampling	-30	-30	-30		
Sample Time (Start)	10:10 AM	10:24 AM	10:40 AM		
Sample Time (Stop)	9:55 am	9:54 am	9:53 am		
Total Sample Time (min)					
Pressure Gauge - after sampling	-4.5	-6	-4		
Sample Volume	6L	6L	6L		
Canister Pressure Went To Ambient Pressure?	YES / (NO)	YES / (NO)	YES / (NO)	YES / NO	YES / NO
Final Tracer Gas Results	—	—	—		
Weather 24 hours before and during sampling	60° Sunny, clear				

General Comments:
Bottom level MARIE AFRICAN HAIR BRAIDING - 718-378-6033 or 917-582-6365
Nutrition Shake Shop (NO Phone #)
Unisex Barber Shop / 718-542-8264
Beauty Salon

Summa Canister Sampling Field Data Sheet

Site: 1095 Southern Blvd
Samplers: Joe Marrone Lenny Parmigiano
Date: 3/5/13

Sample #	Daycare IA in office	Daycare Outside Playground	Ground level Furniture Store	Basement of Furniture store Sub slab	
Location	1095 Southern Blvd	1095 Southern Blvd	1095 Southern Blvd		
Summa Canister ID	0077	02352	12165	93209	
Flow Controller ID	K402	K444	K362	K457	
Additional Tubing Added	NO/ YES - How much	NO/ YES - How much	NO/ YES - How much	NO/ YES - How much	NO/ YES - How much
Purge Time (Start)				11:43	
Purge Time (Stop)				11:48	
Total Purge Time (min)				5min	
Purge Volume				1 liter	
Initial Tracer Gas Results				0 ppm	
CH4 (ppm)					
O2 (%)					
H2S (ppm)					
CO2 (ppm)					
Pressure Gauge - before sampling	-30	-28	-30,	-30+	
Sample Time (Start)	10:03	10:20	10:45	11:55	
Sample Time (Stop)	5:38	5:45	6:38	7:00	
Total Sample Time (min)					
Pressure Gauge - after sampling	-7	-6	-8.5	-10.5	
Sample Volume	6 liters	6 liters	6 liters	6 liters	
Canister Pressure Went To Ambient Pressure?	YES / NO	YES / NO	YES / NO	YES / NO	YES / NO
Final Tracer Gas Results					
Weather 24 hours before and during sampling					

General Comments: 0 ppb average in office, 0 ppb outside playground, 0 ppb inside ground level furniture store
0 ppb in basement of furniture store

Sample Data Summary

New York State D.E.C.

Client Sample ID: H-1-SS-40975

GC/MS Volatiles

Lot-Sample # H2C120424 - 001 **Work Order #** MRC191AA **Matrix.....:** AIR

Date Sampled...: 03/07/2012 **Date Received..:** 03/10/2012
Prep Date.....: 03/13/2012 **Analysis Date...** 03/13/2012
Prep Batch #.....: 2073119
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**3.9**	**0.080**	**19**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	**1.0**	**0.080**	**5.1**	**0.39**
1,4-Dichlorobenzene	**0.22**	**0.080**	**1.3**	**0.48**
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	**2.8**	**0.32**	**8.4**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	**0.28**	**0.20**	**1.3**	**0.93**
Benzene	**0.71**	**0.080**	**2.3**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.076**	**0.040**	**0.48**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	**0.35**	**0.20**	**1.2**	**0.69**
Chloromethane	ND	0.20	ND	0.41
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.54**	**0.080**	**2.7**	**0.40**
Ethanol	**9.6**	**0.80**	**18**	**1.5**
Ethylbenzene	**2.4**	**0.080**	**10**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	**0.71**	**0.20**	**2.5**	**0.70**
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: H-1-SS-40975

GC/MS Volatiles

Lot-Sample # H2C120424 - 001 **Work Order #** MRC191AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	**0.26**	**0.20**	**1.1**	**0.82**
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	**0.49**	**0.20**	**1.7**	**0.69**
Styrene	**0.19**	**0.080**	**0.82**	**0.34**
tert-Butyl alcohol	**1.3**	**0.32**	**4.0**	**0.97**
Tetrachloroethene	**1.3**	**0.080**	**8.7**	**0.54**
Toluene	**7.3**	**0.080**	**27**	**0.30**
m-Xylene & p-Xylene	**9.6**	**0.080**	**41**	**0.35**
o-Xylene	**3.5**	**0.080**	**15**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	**0.15**	**0.040**	**0.83**	**0.21**
Trichlorofluoromethane	**0.23**	**0.080**	**1.3**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	105	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: H-1-BS-40975

GC/MS Volatiles

Lot-Sample # H2C120424 - 002 **Work Order #** MRC2A1AA **Matrix.....:** AIR

Date Sampled...: 03/07/2012 **Date Received..:** 03/10/2012
Prep Date.....: 03/13/2012 **Analysis Date...** 03/13/2012
Prep Batch #.....: 2073119
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**0.20**	**0.080**	**0.97**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	**2.1**	**0.080**	**13**	**0.48**
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	**0.62**	**0.32**	**1.8**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.21**	**0.080**	**0.66**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	**0.092**	**0.080**	**0.62**	**0.54**
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.076**	**0.040**	**0.48**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	**1.5**	**0.080**	**7.3**	**0.39**
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.46**	**0.20**	**0.95**	**0.41**
cis-1,2-Dichloroethene	**0.70**	**0.080**	**2.8**	**0.32**
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.47**	**0.080**	**2.3**	**0.40**
Ethanol	**69**	**0.80**	**130**	**1.5**
Ethylbenzene	**0.13**	**0.080**	**0.58**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: H-1-BS-40975

GC/MS Volatiles

Lot-Sample # H2C120424 - 002 **Work Order #** MRC2A1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	**3.5**	**0.20**	**12**	**0.69**
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	**0.44**	**0.080**	**3.0**	**0.54**
Toluene	**0.83**	**0.080**	**3.1**	**0.30**
m-Xylene & p-Xylene	**0.46**	**0.080**	**2.0**	**0.35**
o-Xylene	**0.16**	**0.080**	**0.68**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	**0.11**	**0.040**	**0.61**	**0.21**
Trichlorofluoromethane	**0.22**	**0.080**	**1.2**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	101	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: H-1-AA-40975

GC/MS Volatiles

Lot-Sample #	H2C120424 - 003	**Work Order #**	MRC2C1AA	**Matrix.....:**	AIR
Date Sampled...:	03/07/2012	**Date Received..:**	03/10/2012		
Prep Date.....:	03/13/2012	**Analysis Date...**	03/13/2012		
Prep Batch #.....:	2073119				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	**0.82**	**0.080**	**4.5**	**0.44**
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	**0.082**	**0.080**	**0.63**	**0.61**
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	**0.25**	**0.080**	**1.0**	**0.32**
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.060**	**0.040**	**0.38**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.60**	**0.20**	**1.2**	**0.41**
cis-1,2-Dichloroethene	**0.42**	**0.080**	**1.7**	**0.32**
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.52**	**0.080**	**2.6**	**0.40**
Ethanol	**27**	**0.80**	**51**	**1.5**
Ethylbenzene	ND	0.080	ND	0.35
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: H-1-AA-40975

GC/MS Volatiles

Lot-Sample # H2C120424 - 003 **Work Order #** MRC2C1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	**0.73**	**0.20**	**2.5**	**0.69**
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
m-Xylene & p-Xylene	ND	0.080	ND	0.35
o-Xylene	ND	0.080	ND	0.35
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	**0.30**	**0.040**	**1.6**	**0.21**
Trichlorofluoromethane	**0.26**	**0.080**	**1.4**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	104	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: H-2-SS-40975

GC/MS Volatiles

Lot-Sample # H2C120424 - 004 **Work Order #** MRC2D1AA **Matrix.....:** AIR

Date Sampled...: 03/07/2012 **Date Received..:** 03/10/2012
Prep Date.....: 03/13/2012 **Analysis Date...** 03/13/2012
Prep Batch #.....: 2073119
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**3.5**	**0.080**	**17**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	**0.82**	**0.080**	**4.0**	**0.39**
1,4-Dichlorobenzene	**0.11**	**0.080**	**0.69**	**0.48**
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	**2.3**	**0.32**	**6.7**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	**0.21**	**0.20**	**1.0**	**0.93**
Benzene	**1.6**	**0.080**	**5.2**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.053**	**0.040**	**0.34**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	**1.0**	**0.080**	**4.9**	**0.39**
Cyclohexane	**0.34**	**0.20**	**1.2**	**0.69**
Chloromethane	ND	0.20	ND	0.41
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.48**	**0.080**	**2.4**	**0.40**
Ethanol	**8.9**	**0.80**	**17**	**1.5**
Ethylbenzene	**2.3**	**0.080**	**10**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	**0.79**	**0.20**	**2.8**	**0.70**
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: H-2-SS-40975

GC/MS Volatiles

Lot-Sample # H2C120424 - 004 **Work Order #** MRC2D1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	**0.18**	**0.080**	**0.75**	**0.34**
tert-Butyl alcohol	**2.7**	**0.32**	**8.1**	**0.97**
Tetrachloroethene	**0.67**	**0.080**	**4.5**	**0.54**
Toluene	**8.4**	**0.080**	**31**	**0.30**
m-Xylene & p-Xylene	**9.2**	**0.080**	**40**	**0.35**
o-Xylene	**3.0**	**0.080**	**13**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.26**	**0.080**	**1.4**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	101	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: H-2-BS-40975

GC/MS Volatiles

Lot-Sample # H2C120424 - 005 **Work Order #** MRC2E1AA **Matrix.....:** AIR

Date Sampled...: 03/07/2012 **Date Received..:** 03/10/2012
Prep Date.....: 03/13/2012 **Analysis Date...** 03/13/2012
Prep Batch #.....: 2073119
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	**0.21**	**0.080**	**1.2**	**0.44**
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**0.61**	**0.080**	**3.0**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	**0.096**	**0.080**	**0.39**	**0.32**
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	**0.15**	**0.080**	**0.72**	**0.39**
1,4-Dichlorobenzene	**0.11**	**0.080**	**0.68**	**0.48**
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	**0.91**	**0.32**	**2.7**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.32**	**0.080**	**1.0**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.090**	**0.040**	**0.57**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	**1.8**	**0.080**	**8.9**	**0.39**
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.89**	**0.20**	**1.8**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.46**	**0.080**	**2.3**	**0.40**
Ethanol	**670 E**	**0.80**	**1300 E**	**1.5**
Ethylbenzene	**0.20**	**0.080**	**0.86**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	**0.42**	**0.20**	**1.5**	**0.70**
Hexachlorobutadiene	ND	0.080	ND	0.85
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82

New York State D.E.C.

Client Sample ID: H-2-BS-40975

GC/MS Volatiles

Lot-Sample # H2C120424 - 005 **Work Order #** MRC2E1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	**0.29**	**0.20**	**1.0**	**0.69**
Styrene	**0.48**	**0.080**	**2.0**	**0.34**
tert-Butyl alcohol	**0.88**	**0.32**	**2.7**	**0.97**
Tetrachloroethene	**0.11**	**0.080**	**0.77**	**0.54**
Toluene	**6.9**	**0.080**	**26**	**0.30**
m-Xylene & p-Xylene	**0.59**	**0.080**	**2.6**	**0.35**
o-Xylene	**0.24**	**0.080**	**1.1**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.24**	**0.080**	**1.4**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	99	60 - 140

Qualifiers

E Estimated result. Result concentration exceeds the calibration range.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: H-2-BS-40975

GC/MS Volatiles

Lot-Sample #	H2C120424 - 005	**Work Order #**	MRC2E2AA	**Matrix.....:**	AIR
Date Sampled...:	03/07/2012	**Date Received..:**	03/10/2012		
Prep Date.....:	03/14/2012	**Analysis Date...**	03/15/2012		
Prep Batch #.....:	2075019				
Dilution Factor.:	11.91	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Ethanol	**770 D**	**9.5**	**1500 D**	**18**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	102	60 - 140

Qualifiers

D	Result was obtained from the analysis of a dilution.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: H-2-AA-40975

GC/MS Volatiles

Lot-Sample #	H2C120424 - 006	**Work Order #**	MRC2G1AA	**Matrix.....:**	AIR
Date Sampled...:	03/07/2012	**Date Received..:**	03/10/2012		
Prep Date.....:	03/13/2012	**Analysis Date...**	03/13/2012		
Prep Batch #.....:	2073119				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**0.12**	**0.080**	**0.57**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	**0.46**	**0.32**	**1.4**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.24**	**0.080**	**0.77**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.086**	**0.040**	**0.54**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.57**	**0.20**	**1.2**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.53**	**0.080**	**2.6**	**0.40**
Ethanol	**13**	**0.80**	**24**	**1.5**
Ethylbenzene	**0.088**	**0.080**	**0.38**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: H-2-AA-40975

GC/MS Volatiles

Lot-Sample # H2C120424 - 006 **Work Order #** MRC2G1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	**0.22**	**0.20**	**0.77**	**0.69**
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.69**	**0.080**	**2.6**	**0.30**
m-Xylene & p-Xylene	**0.30**	**0.080**	**1.3**	**0.35**
o-Xylene	**0.11**	**0.080**	**0.48**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.23**	**0.080**	**1.3**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	103	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H2C130000 - 119B	**Work Order #**	MRD3T1AA	**Matrix.....:**	AIR
	03/07/2012	**Date Received..:**	03/10/2012		
Prep Date.....:	03/13/2012	**Analysis Date...**	03/13/2012		
Prep Batch #.....:	2073119				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	ND	0.040	ND	0.25
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	ND	0.20	ND	0.41
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	ND	0.080	ND	0.40
Ethanol	ND	0.80	ND	1.5
Ethylbenzene	ND	0.080	ND	0.35
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H2C130000 - 119B **Work Order #** MRD3T1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Hexachlorobutadiene	ND	0.080	ND	0.85
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
m-Xylene & p-Xylene	ND	0.080	ND	0.35
o-Xylene	ND	0.080	ND	0.35
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	ND	0.080	ND	0.45
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	108	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H2C130000 - 119C **Work Order #** MRD3T1AC **Matrix.....:** AIR

	03/07/2012	**Date Received..:**	03/10/2012
Prep Date.....:	03/13/2012	**Analysis Date...**	03/13/2012
Prep Batch #.....:	2073119		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
1,1,1-Trichloroethane	5.00	5.64	27	30.8	113	70 - 130
1,1,2,2-Tetrachloroethane	5.00	3.62	34	24.9	72	70 - 130
1,1,2-Trichlorotrifluoroethane	5.00	4.91	38	37.7	98	70 - 130
1,1,2-Trichloroethane	5.00	3.87	27	21.1	77	70 - 130
1,1-Dichloroethane	5.00	4.58	20	18.5	92	70 - 130
1,1-Dichloroethene	5.00	4.29	20	17.0	86	70 - 130
1,2,4-Trichlorobenzene	5.00	4.25	37	31.5	85	60 - 140
1,2,4-Trimethylbenzene	5.00	4.00	25	19.7	80	70 - 130
1,2-Dibromoethane (EDB)	5.00	4.28	38	32.9	86	70 - 130
1,2-Dichlorobenzene	5.00	4.01	30	24.1	80	70 - 130
1,2-Dichloroethane	5.00	5.67	20	23.0	113	70 - 130
1,2-Dichloropropane	5.00	3.83	23	17.7	77	70 - 130
1,3,5-Trimethylbenzene	5.00	3.78	25	18.6	76	70 - 130
1,4-Dichlorobenzene	5.00	3.95	30	23.8	79	70 - 130
1,4-Dioxane	5.00	3.40	18	12.3	68	60 - 140
2-Butanone (MEK)	5.00	3.10	15	9.16	62	60 - 140
1,3-Dichlorobenzene	5.00	4.03	30	24.2	81	70 - 130
2,2,4-Trimethylpentane	5.00	4.20	23	19.6	84	70 - 130
Benzene	5.00	4.06	16	13.0	81	70 - 130
Benzyl chloride	5.00	3.80	26	19.6	76	70 - 130
Bromodichloromethane	5.00	4.94	34	33.1	99	70 - 130
Bromoform	5.00	4.33	52	44.7	87	60 - 140
Bromomethane	5.00	5.96	19	23.1	119	70 - 130
Carbon tetrachloride	5.00	5.58	31	35.1	112	70 - 130
Chlorobenzene	5.00	3.90	23	17.9	78	70 - 130
Chloroethane	5.00	5.43	13	14.3	109	70 - 130
Chloroform	5.00	5.08	24	24.8	102	70 - 130
Cyclohexane	5.00	4.12	17	14.2	82	70 - 130
Chloromethane	5.00	4.92	10	10.2	98	60 - 140
cis-1,2-Dichloroethene	5.00	4.54	20	18.0	91	70 - 130
cis-1,3-Dichloropropene	5.00	4.06	23	18.4	81	70 - 130
Dibromochloromethane	5.00	4.88	43	41.5	98	70 - 130
Dichlorodifluoromethane	5.00	6.04	25	29.9	121	60 - 140
Ethanol	24.6	16.7	46	31.4	68	20 - 180
Ethylbenzene	5.00	4.05	22	17.6	81	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	5.00	5.98	35	41.8	120	60 - 140

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Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H2C130000 - 119C **Work Order #** MRD3T1AC **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
n-Hexane	5.00	4.16	18	14.7	83	70 - 130
Hexachlorobutadiene	5.00	4.61	53	49.2	92	60 - 140
4-Methyl-2-pentanone (MIBK)	5.00	3.59	20	14.7	72	60 - 140
Methyl tert-butyl ether	5.00	4.09	18	14.7	82	60 - 140
Methylene chloride	5.00	4.12	17	14.3	82	70 - 130
Styrene	5.00	3.84	21	16.3	77	70 - 130
tert-Butyl alcohol	5.00	3.99	15	12.1	80	60 - 140
Tetrachloroethene	5.00	4.45	34	30.2	89	70 - 130
Toluene	5.00	3.91	19	14.7	78	70 - 130
m-Xylene & p-Xylene	10.0	8.23	43	35.7	82	70 - 130
o-Xylene	5.00	3.98	22	17.3	80	70 - 130
trans-1,2-Dichloroethene	5.00	4.32	20	17.1	86	70 - 130
trans-1,3-Dichloropropene	5.00	4.30	23	19.5	86	70 - 130
Trichloroethene	5.00	4.71	27	25.3	94	70 - 130
Trichlorofluoromethane	5.00	5.59	28	31.4	112	60 - 140
Vinyl chloride	5.00	5.30	13	13.5	106	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	110	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H2C150000 - 019B	**Work Order #**	MRE371AA	**Matrix.....:**	AIR
	03/07/2012	**Date Received..:**	03/10/2012		
Prep Date.....:	03/14/2012	**Analysis Date...**	03/14/2012		
Prep Batch #.....:	2075019				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Ethanol	ND	0.80	ND	1.5

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	107	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample #	H2C150000 - 019C	**Work Order #**	MRE371AC
Matrix.....:	AIR		
	03/07/2012	**Date Received..:**	03/10/2012
Prep Date.....:	03/14/2012	**Analysis Date...**	03/14/2012
Prep Batch #.....:	2075019		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Ethanol	24.6	18.5	46	34.8	75	20 - 180

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	105	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Sample Data Summary

New York State D.E.C.

Client Sample ID: H003-SS-40988

GC/MS Volatiles

Lot-Sample #	H2C270406 - 001	**Work Order #**	MRLXK1AA	**Matrix.....:**	AIR
Date Sampled...:	03/21/2012	**Date Received..:**	03/27/2012		
Prep Date.....:	03/27/2012	**Analysis Date...**	03/28/2012		
Prep Batch #.....:	2087122				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	**0.083**	**0.080**	**0.63**	**0.61**
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**5.9**	**0.080**	**29**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	**0.38**	**0.080**	**2.3**	**0.48**
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	**1.4**	**0.080**	**6.8**	**0.39**
1,4-Dichlorobenzene	**0.97**	**0.080**	**5.9**	**0.48**
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	**5.3**	**0.32**	**16**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	**0.43**	**0.20**	**2.0**	**0.93**
Benzene	**1.4**	**0.080**	**4.6**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.048**	**0.040**	**0.30**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	**2.9**	**0.080**	**14**	**0.39**
Cyclohexane	**0.55**	**0.20**	**1.9**	**0.69**
Chloromethane	ND	0.20	ND	0.41
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.81**	**0.080**	**4.0**	**0.40**
Ethanol	**7.3**	**0.80**	**14**	**1.5**
Ethylbenzene	**5.6**	**0.080**	**24**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	**1.7**	**0.20**	**6.0**	**0.70**
Hexachlorobutadiene	ND	0.080	ND	0.85
4-Methyl-2-pentanone (MIBK)	**0.51**	**0.20**	**2.1**	**0.82**

New York State D.E.C.

Client Sample ID: H003-SS-40988

GC/MS Volatiles

Lot-Sample # H2C270406 - 001 **Work Order #** MRLXK1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	**0.44**	**0.20**	**1.5**	**0.69**
Styrene	**0.27**	**0.080**	**1.2**	**0.34**
tert-Butyl alcohol	**0.62**	**0.32**	**1.9**	**0.97**
Tetrachloroethene	**0.62**	**0.080**	**4.2**	**0.54**
Toluene	**16**	**0.080**	**59**	**0.30**
m-Xylene & p-Xylene	**25**	**0.080**	**110**	**0.35**
o-Xylene	**7.3**	**0.080**	**32**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	**0.71**	**0.040**	**3.8**	**0.21**
Trichlorofluoromethane	**0.65**	**0.080**	**3.6**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	111	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: H003-BA-40988

GC/MS Volatiles

Lot-Sample # H2C270406 - 002 **Work Order #** MRLXM1AA **Matrix.....:** AIR

Date Sampled...: 03/21/2012
Prep Date.....: 03/27/2012
Prep Batch #.....: 2087122
Dilution Factor.: 1

Date Received..: 03/27/2012
Analysis Date... 03/28/2012

Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	**1.2**	**0.32**	**3.5**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	**0.73**	**0.20**	**3.4**	**0.93**
Benzene	**0.67**	**0.080**	**2.1**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.11**	**0.040**	**0.69**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.47**	**0.080**	**2.3**	**0.39**
Cyclohexane	**0.41**	**0.20**	**1.4**	**0.69**
Chloromethane	**0.85**	**0.20**	**1.8**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.55**	**0.080**	**2.7**	**0.40**
Ethanol	**360 E**	**0.80**	**670 E**	**1.5**
Ethylbenzene	**0.28**	**0.080**	**1.2**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	**0.86**	**0.20**	**3.0**	**0.70**
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: H003-BA-40988

GC/MS Volatiles

Lot-Sample # H2C270406 - 002 **Work Order #** MRLXM1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	**0.23**	**0.20**	**0.80**	**0.69**
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	**0.20**	**0.080**	**1.3**	**0.54**
Toluene	**1.9**	**0.080**	**7.0**	**0.30**
m-Xylene & p-Xylene	**0.72**	**0.080**	**3.1**	**0.35**
o-Xylene	**0.20**	**0.080**	**0.85**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	**0.042**	**0.040**	**0.22**	**0.21**
Trichlorofluoromethane	**0.29**	**0.080**	**1.6**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	111	60 - 140

Qualifiers

E Estimated result. Result concentration exceeds the calibration range.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: H003-BA-40988

GC/MS Volatiles

Lot-Sample #	H2C270406 - 002	**Work Order #**	MRLXM2AA	**Matrix.....:**	AIR
Date Sampled...:	03/21/2012	**Date Received..:**	03/27/2012		
Prep Date.....:	03/28/2012	**Analysis Date...**	03/28/2012		
Prep Batch #.....:	2088116				
Dilution Factor.:	10	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Ethanol	**380 D**	**8.0**	**720 D**	**15**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	106	60 - 140

Qualifiers

D Result was obtained from the analysis of a dilution.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: H003-OA-40988

GC/MS Volatiles

Lot-Sample # H2C270406 - 003 **Work Order #** MRLXN1AA **Matrix.....:** AIR

Date Sampled...: 03/21/2012 **Date Received..:** 03/27/2012
Prep Date.....: 03/27/2012 **Analysis Date...** 03/27/2012
Prep Batch #.....: 2087122
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**0.12**	**0.080**	**0.57**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	**0.090**	**0.080**	**0.54**	**0.48**
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	**0.78**	**0.32**	**2.3**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.23**	**0.080**	**0.74**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.069**	**0.040**	**0.43**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.75**	**0.20**	**1.6**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.53**	**0.080**	**2.6**	**0.40**
Ethanol	**18**	**0.80**	**35**	**1.5**
Ethylbenzene	**0.099**	**0.080**	**0.43**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	**0.24**	**0.20**	**0.85**	**0.70**
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: H003-OA-40988

GC/MS Volatiles

Lot-Sample # H2C270406 - 003 **Work Order #** MRLXN1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	**0.27**	**0.20**	**0.94**	**0.69**
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.91**	**0.080**	**3.4**	**0.30**
m-Xylene & p-Xylene	**0.34**	**0.080**	**1.5**	**0.35**
o-Xylene	**0.13**	**0.080**	**0.58**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	**0.25**	**0.040**	**1.4**	**0.21**
Trichlorofluoromethane	**0.26**	**0.080**	**1.4**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	108	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

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Client Sample ID: H003-BA-DUPE-40988

GC/MS Volatiles

Lot-Sample # H2C270406 - 004 **Work Order #** MRLXQ1AA **Matrix.....:** AIR

Date Sampled...: 03/21/2012 **Date Received..:** 03/27/2012
Prep Date.....: 03/27/2012 **Analysis Date...** 03/28/2012
Prep Batch #.....: 2087122
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**0.41**	**0.080**	**2.0**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	**0.53**	**0.080**	**3.2**	**0.48**
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	**0.11**	**0.080**	**0.55**	**0.39**
1,4-Dichlorobenzene	**0.24**	**0.080**	**1.4**	**0.48**
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	**1.5**	**0.32**	**4.3**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	**0.57**	**0.20**	**2.7**	**0.93**
Benzene	**0.51**	**0.080**	**1.6**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.081**	**0.040**	**0.51**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.48**	**0.080**	**2.3**	**0.39**
Cyclohexane	**0.32**	**0.20**	**1.1**	**0.69**
Chloromethane	**0.82**	**0.20**	**1.7**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.57**	**0.080**	**2.8**	**0.40**
Ethanol	**370 E**	**0.80**	**690 E**	**1.5**
Ethylbenzene	**0.34**	**0.080**	**1.5**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	**0.87**	**0.20**	**3.1**	**0.70**
Hexachlorobutadiene	ND	0.080	ND	0.85
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82

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Client Sample ID: H003-BA-DUPE-40988

GC/MS Volatiles

Lot-Sample # H2C270406 - 004 **Work Order #** MRLXQ1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	**0.27**	**0.20**	**0.93**	**0.69**
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	**0.16**	**0.080**	**1.1**	**0.54**
Toluene	**1.8**	**0.080**	**6.8**	**0.30**
m-Xylene & p-Xylene	**1.3**	**0.080**	**5.6**	**0.35**
o-Xylene	**0.43**	**0.080**	**1.9**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.30**	**0.080**	**1.7**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	107	60 - 140

Qualifiers

E Estimated result. Result concentration exceeds the calibration range.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

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Client Sample ID: H003-BA-DUPE-40988

GC/MS Volatiles

Lot-Sample #	H2C270406 - 004	**Work Order #**	MRLXQ2AA	**Matrix.....:**	AIR
Date Sampled...:	03/21/2012	**Date Received..:**	03/27/2012		
Prep Date.....:	03/28/2012	**Analysis Date...**	03/28/2012		
Prep Batch #.....:	2088116				
Dilution Factor.:	10	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Ethanol	**310 D**	**8.0**	**580 D**	**15**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	99	60 - 140

Qualifiers

D Result was obtained from the analysis of a dilution.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

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Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H2C270000 - 122B	**Work Order #**	MRMD51AA	**Matrix.....:**	AIR
	03/21/2012	**Date Received..:**	03/27/2012		
Prep Date.....:	03/27/2012	**Analysis Date...**	03/27/2012		
Prep Batch #.....:	2087122				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	ND	0.040	ND	0.25
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	ND	0.20	ND	0.41
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	ND	0.080	ND	0.40
Ethanol	ND	0.80	ND	1.5
Ethylbenzene	ND	0.080	ND	0.35
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70

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Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H2C270000 - 122B **Work Order #** MRMD51AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Hexachlorobutadiene	ND	0.080	ND	0.85
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
m-Xylene & p-Xylene	ND	0.080	ND	0.35
o-Xylene	ND	0.080	ND	0.35
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	ND	0.080	ND	0.45
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	97	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H2C270000 - 122C **Work Order #** MRMD51AC **Matrix.....:** AIR

	03/21/2012	**Date Received..:**	03/27/2012
Prep Date.....:	03/27/2012	**Analysis Date...**	03/27/2012
Prep Batch #.....:	2087122		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
1,1,1-Trichloroethane	5.00	5.26	27	28.7	105	70 - 130
1,1,2,2-Tetrachloroethane	5.00	4.27	34	29.3	85	70 - 130
1,1,2-Trichlorotrifluoroethane	5.00	4.92	38	37.7	98	70 - 130
1,1,2-Trichloroethane	5.00	4.07	27	22.2	81	70 - 130
1,1-Dichloroethane	5.00	4.48	20	18.1	90	70 - 130
1,1-Dichloroethene	5.00	4.54	20	18.0	91	70 - 130
1,2,4-Trichlorobenzene	5.00	4.79	37	35.6	96	60 - 140
1,2,4-Trimethylbenzene	5.00	4.72	25	23.2	94	70 - 130
1,2-Dibromoethane (EDB)	5.00	4.33	38	33.3	87	70 - 130
1,2-Dichlorobenzene	5.00	4.48	30	26.9	90	70 - 130
1,2-Dichloroethane	5.00	4.93	20	20.0	99	70 - 130
1,2-Dichloropropane	5.00	3.78	23	17.5	76	70 - 130
1,3,5-Trimethylbenzene	5.00	4.58	25	22.5	92	70 - 130
1,4-Dichlorobenzene	5.00	4.27	30	25.7	85	70 - 130
1,4-Dioxane	5.00	3.36	18	12.1	67	60 - 140
2-Butanone (MEK)	5.00	3.98	15	11.8	80	60 - 140
1,3-Dichlorobenzene	5.00	4.37	30	26.2	87	70 - 130
2,2,4-Trimethylpentane	5.00	3.62	23	16.9	72	70 - 130
Benzene	5.00	3.54	16	11.3	71	70 - 130
Benzyl chloride	5.00	4.61	26	23.9	92	70 - 130
Bromodichloromethane	5.00	4.62	34	30.9	92	70 - 130
Bromoform	5.00	4.70	52	48.6	94	60 - 140
Bromomethane	5.00	6.01	19	23.3	120	70 - 130
Carbon tetrachloride	5.00	4.51	31	28.4	90	70 - 130
Chlorobenzene	5.00	4.08	23	18.8	82	70 - 130
Chloroethane	5.00	6.36	13	16.8	127	70 - 130
Chloroform	5.00	4.74	24	23.1	95	70 - 130
Cyclohexane	5.00	3.69	17	12.7	74	70 - 130
Chloromethane	5.00	6.13	10	12.7	123	60 - 140
cis-1,2-Dichloroethene	5.00	4.36	20	17.3	87	70 - 130
cis-1,3-Dichloropropene	5.00	4.10	23	18.6	82	70 - 130
Dibromochloromethane	5.00	4.94	43	42.1	99	70 - 130
Dichlorodifluoromethane	5.00	5.80	25	28.7	116	60 - 140
Ethanol	24.6	30.8	46	58.1	126	20 - 180
Ethylbenzene	5.00	4.37	22	19.0	87	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	5.00	6.12	35	42.8	122	60 - 140

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Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H2C270000 - 122C **Work Order #** MRMD51AC **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
n-Hexane	5.00	4.23	18	14.9	85	70 - 130
Hexachlorobutadiene	5.00	5.48	53	58.5	110	60 - 140
4-Methyl-2-pentanone (MIBK)	5.00	3.92	20	16.0	78	60 - 140
Methyl tert-butyl ether	5.00	4.87	18	17.6	97	60 - 140
Methylene chloride	5.00	4.36	17	15.1	87	70 - 130
Styrene	5.00	4.33	21	18.5	87	70 - 130
tert-Butyl alcohol	5.00	4.62	15	14.0	92	60 - 140
Tetrachloroethene	5.00	4.28	34	29.0	86	70 - 130
Toluene	5.00	4.05	19	15.3	81	70 - 130
m-Xylene & p-Xylene	10.0	8.92	43	38.7	89	70 - 130
o-Xylene	5.00	4.45	22	19.3	89	70 - 130
trans-1,2-Dichloroethene	5.00	4.45	20	17.6	89	70 - 130
trans-1,3-Dichloropropene	5.00	4.58	23	20.8	92	70 - 130
Trichloroethene	5.00	3.95	27	21.2	79	70 - 130
Trichlorofluoromethane	5.00	5.60	28	31.5	112	60 - 140
Vinyl chloride	5.00	5.84	13	14.9	117	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	102	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H2C280000 - 116B	**Work Order #**	MRNDQ1AA	**Matrix.....:**	AIR
	03/23/2012	**Date Received..:**	03/28/2012		
Prep Date.....:	03/28/2012	**Analysis Date...**	03/28/2012		
Prep Batch #.....:	2088116				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Ethanol	ND	0.80	ND	1.5

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	102	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample #	H2C280000 - 116C	**Work Order #**	MRNDQ1AC
Matrix.....:	AIR		
	03/23/2012	**Date Received..:**	03/28/2012
Prep Date.....:	03/28/2012	**Analysis Date...**	03/28/2012
Prep Batch #.....:	2088116		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Ethanol	24.6	20.9	46	39.3	85	20 - 180

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	106	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Sample Data Summary

New York State D.E.C.

Client Sample ID: H-4-BA-41009

GC/MS Volatiles

Lot-Sample # H2D120418 - 001 **Work Order #** MRX6V1AA **Matrix.....:** AIR

Date Sampled...: 04/10/2012 **Date Received..:** 04/12/2012
Prep Date.....: 04/12/2012 **Analysis Date...** 04/13/2012
Prep Batch #.....: 2105014
Dilution Factor.: 11.14 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.89	ND	4.9
1,1,2,2-Tetrachloroethane	ND	0.89	ND	6.1
1,1,2-Trichlorotrifluoroethane	ND	0.89	ND	6.8
1,1,2-Trichloroethane	ND	0.89	ND	4.9
1,1-Dichloroethane	ND	0.89	ND	3.6
1,1-Dichloroethene	ND	0.89	ND	3.5
1,2,4-Trichlorobenzene	ND	0.89	ND	6.6
1,2,4-Trimethylbenzene	ND	0.89	ND	4.4
1,2-Dibromoethane (EDB)	ND	0.89	ND	6.8
1,2-Dichlorobenzene	ND	0.89	ND	5.4
1,2-Dichloroethane	ND	0.89	ND	3.6
1,2-Dichloropropane	ND	0.89	ND	4.1
1,3,5-Trimethylbenzene	ND	0.89	ND	4.4
1,4-Dichlorobenzene	**11**	**0.89**	**64**	**5.4**
1,4-Dioxane	ND	2.2	ND	8.0
2-Butanone (MEK)	ND	3.6	ND	11
1,3-Dichlorobenzene	ND	0.89	ND	5.4
2,2,4-Trimethylpentane	ND	2.2	ND	10
Benzene	ND	0.89	ND	2.8
Benzyl chloride	ND	1.8	ND	9.2
Bromodichloromethane	ND	0.89	ND	6.0
Bromoform	ND	0.89	ND	9.2
Bromomethane	ND	0.89	ND	3.5
Carbon tetrachloride	ND	0.45	ND	2.8
Chlorobenzene	ND	0.89	ND	4.1
Chloroethane	ND	0.89	ND	2.4
Chloroform	ND	0.89	ND	4.4
Cyclohexane	ND	2.2	ND	7.7
Chloromethane	ND	2.2	ND	4.6
cis-1,2-Dichloroethene	ND	0.89	ND	3.5
cis-1,3-Dichloropropene	ND	0.89	ND	4.0
Dibromochloromethane	ND	0.89	ND	7.6
Dichlorodifluoromethane	ND	0.89	ND	4.4
Ethanol	**980 E**	**8.9**	**1900 E**	**17**
Ethylbenzene	ND	0.89	ND	3.9
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.89	ND	6.2
n-Hexane	ND	2.2	ND	7.9
Hexachlorobutadiene	ND	0.89	ND	9.5

New York State D.E.C.

Client Sample ID: H-4-BA-41009

GC/MS Volatiles

Lot-Sample # H2D120418 - 001 **Work Order #** MRX6V1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	2.2	ND	9.1
Methyl tert-butyl ether	ND	1.8	ND	6.4
Methylene chloride	ND	2.2	ND	7.7
Styrene	ND	0.89	ND	3.8
tert-Butyl alcohol	ND	3.6	ND	11
Tetrachloroethene	ND	0.89	ND	6.0
Toluene	**13**	**0.89**	**48**	**3.4**
m-Xylene & p-Xylene	ND	0.89	ND	3.9
o-Xylene	ND	0.89	ND	3.9
trans-1,2-Dichloroethene	ND	0.89	ND	3.5
trans-1,3-Dichloropropene	ND	0.89	ND	4.0
Trichloroethene	ND	0.45	ND	2.4
Trichlorofluoromethane	ND	0.89	ND	5.0
Vinyl chloride	ND	0.89	ND	2.3

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	92	60 - 140

Qualifiers

E Estimated result. Result concentration exceeds the calibration range.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: H-4-BA-41009

GC/MS Volatiles

Lot-Sample #	H2D120418 - 001	**Work Order #**	MRX6V2AA	**Matrix.....:**	AIR
Date Sampled...:	04/10/2012	**Date Received..:**	04/12/2012		
Prep Date.....:	04/13/2012	**Analysis Date...**	04/13/2012		
Prep Batch #.....:	2105015				
Dilution Factor.:	39	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Ethanol	**900 D**	**31**	**1700 D**	**59**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	96	60 - 140

Qualifiers

D Result was obtained from the analysis of a dilution.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: H-4-OA-41009

GC/MS Volatiles

Lot-Sample # H2D120418 - 002 **Work Order #** MRX651AA **Matrix.....:** AIR

Date Sampled...: 04/10/2012 **Date Received..:** 04/12/2012
Prep Date.....: 04/12/2012 **Analysis Date...** 04/13/2012
Prep Batch #.....: 2105014
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	**0.54**	**0.32**	**1.6**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.15**	**0.080**	**0.48**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.066**	**0.040**	**0.42**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.57**	**0.20**	**1.2**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.44**	**0.080**	**2.2**	**0.40**
Ethanol	**5.5**	**0.80**	**10**	**1.5**
Ethylbenzene	ND	0.080	ND	0.35
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: H-4-OA-41009

GC/MS Volatiles

Lot-Sample # H2D120418 - 002 **Work Order #** MRX651AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.26**	**0.080**	**0.99**	**0.30**
m-Xylene & p-Xylene	**0.12**	**0.080**	**0.52**	**0.35**
o-Xylene	ND	0.080	ND	0.35
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.20**	**0.080**	**1.1**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	100	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: H-4-BA2-41009

GC/MS Volatiles

Lot-Sample #	H2D120418 - 003	**Work Order #**	MRX672AA	**Matrix.....:**	AIR
Date Sampled...:	04/10/2012	**Date Received..:**	04/12/2012		
Prep Date.....:	04/16/2012	**Analysis Date...**	04/16/2012		
Prep Batch #.....:	2107155				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**0.29**	**0.080**	**1.4**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	**0.20**	**0.080**	**0.80**	**0.32**
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	**0.083**	**0.080**	**0.41**	**0.39**
1,4-Dichlorobenzene	**5.0**	**0.080**	**30**	**0.48**
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	**0.70**	**0.32**	**2.1**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.17**	**0.080**	**0.55**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.068**	**0.040**	**0.43**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.25**	**0.080**	**1.2**	**0.39**
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.55**	**0.20**	**1.1**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.39**	**0.080**	**1.9**	**0.40**
Ethanol	**40**	**0.80**	**76**	**1.5**
Ethylbenzene	**0.23**	**0.080**	**0.98**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: H-4-BA2-41009

GC/MS Volatiles

Lot-Sample # H2D120418 - 003 **Work Order #** MRX672AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**7.7**	**0.080**	**29**	**0.30**
m-Xylene & p-Xylene	**0.75**	**0.080**	**3.3**	**0.35**
o-Xylene	**0.28**	**0.080**	**1.2**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.19**	**0.080**	**1.1**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	98	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H2D140000 - 014B **Work Order #** MR1JG1AA **Matrix.....:** AIR

	04/05/2012	**Date Received..:**	04/12/2012
Prep Date.....:	04/12/2012	**Analysis Date...**	04/12/2012
Prep Batch #.....:	2105014		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	ND	0.040	ND	0.25
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	ND	0.20	ND	0.41
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	ND	0.080	ND	0.40
Ethanol	ND	0.80	ND	1.5
Ethylbenzene	ND	0.080	ND	0.35
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H2D140000 - 014B **Work Order #** MR1JG1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Hexachlorobutadiene	ND	0.080	ND	0.85
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
m-Xylene & p-Xylene	ND	0.080	ND	0.35
o-Xylene	ND	0.080	ND	0.35
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	ND	0.080	ND	0.45
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	92	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H2D140000 - 014C **Work Order #** MR1JG1AC **Matrix.....:** AIR

	04/05/2012	**Date Received..:**	04/12/2012
Prep Date.....:	04/12/2012	**Analysis Date...**	04/12/2012
Prep Batch #.....:	2105014		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
1,1,1-Trichloroethane	5.00	4.92	27	26.8	98	70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.64	34	38.7	113	70 - 130
1,1,2-Trichlorotrifluoroethane	5.00	4.96	38	38.0	99	70 - 130
1,1,2-Trichloroethane	5.00	5.21	27	28.4	104	70 - 130
1,1-Dichloroethane	5.00	4.85	20	19.6	97	70 - 130
1,1-Dichloroethene	5.00	4.95	20	19.6	99	70 - 130
1,2,4-Trichlorobenzene	5.00	4.32	37	32.0	86	60 - 140
1,2,4-Trimethylbenzene	5.00	6.16	25	30.3	123	70 - 130
1,2-Dibromoethane (EDB)	5.00	5.30	38	40.8	106	70 - 130
1,2-Dichlorobenzene	5.00	5.77	30	34.7	115	70 - 130
1,2-Dichloroethane	5.00	4.79	20	19.4	96	70 - 130
1,2-Dichloropropane	5.00	4.96	23	22.9	99	70 - 130
1,3,5-Trimethylbenzene	5.00	6.19	25	30.4	124	70 - 130
1,4-Dichlorobenzene	5.00	5.72	30	34.4	114	70 - 130
1,4-Dioxane	5.00	4.60	18	16.6	92	60 - 140
2-Butanone (MEK)	5.00	4.70	15	13.9	94	60 - 140
1,3-Dichlorobenzene	5.00	5.71	30	34.3	114	70 - 130
2,2,4-Trimethylpentane	5.00	4.80	23	22.4	96	70 - 130
Benzene	5.00	4.89	16	15.6	98	70 - 130
Benzyl chloride	5.00	5.78	26	29.9	116	70 - 130
Bromodichloromethane	5.00	5.04	34	33.8	101	70 - 130
Bromoform	5.00	5.39	52	55.7	108	60 - 140
Bromomethane	5.00	4.86	19	18.9	97	70 - 130
Carbon tetrachloride	5.00	4.98	31	31.3	100	70 - 130
Chlorobenzene	5.00	5.24	23	24.1	105	70 - 130
Chloroethane	5.00	4.79	13	12.6	96	70 - 130
Chloroform	5.00	4.82	24	23.6	96	70 - 130
Cyclohexane	5.00	4.89	17	16.8	98	70 - 130
Chloromethane	5.00	4.60	10	9.50	92	60 - 140
cis-1,2-Dichloroethene	5.00	4.88	20	19.3	98	70 - 130
cis-1,3-Dichloropropene	5.00	5.06	23	23.0	101	70 - 130
Dibromochloromethane	5.00	5.42	43	46.2	108	70 - 130
Dichlorodifluoromethane	5.00	4.86	25	24.0	97	60 - 140
Ethanol	24.6	22.3	46	42.0	91	20 - 180
Ethylbenzene	5.00	5.46	22	23.7	109	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	5.00	5.04	35	35.3	101	60 - 140

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H2D140000 - 014C **Work Order #** MR1JG1AC **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
n-Hexane	5.00	4.78	18	16.9	96	70 - 130
Hexachlorobutadiene	5.00	5.17	53	55.1	103	60 - 140
4-Methyl-2-pentanone (MIBK)	5.00	4.73	20	19.4	95	60 - 140
Methyl tert-butyl ether	5.00	5.26	18	19.0	105	60 - 140
Methylene chloride	5.00	4.80	17	16.7	96	70 - 130
Styrene	5.00	5.79	21	24.6	116	70 - 130
tert-Butyl alcohol	5.00	4.86	15	14.7	97	60 - 140
Tetrachloroethene	5.00	4.97	34	33.7	99	70 - 130
Toluene	5.00	5.18	19	19.5	104	70 - 130
m-Xylene & p-Xylene	10.0	11.0	43	48.0	110	70 - 130
o-Xylene	5.00	5.50	22	23.9	110	70 - 130
trans-1,2-Dichloroethene	5.00	5.01	20	19.9	100	70 - 130
trans-1,3-Dichloropropene	5.00	5.21	23	23.6	104	70 - 130
Trichloroethene	5.00	4.88	27	26.2	98	70 - 130
Trichlorofluoromethane	5.00	4.80	28	27.0	96	60 - 140
Vinyl chloride	5.00	4.91	13	12.5	98	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	100	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H2D140000 - 015B	**Work Order #**	MR1JH1AA	**Matrix.....:**	AIR
	04/05/2012	**Date Received..:**	04/12/2012		
Prep Date.....:	04/13/2012	**Analysis Date...**	04/13/2012		
Prep Batch #.....:	2105015				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Ethanol	ND	0.80	ND	1.5

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	90	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample #	H2D140000 - 015C	**Work Order #**	MR1JH1AC
Matrix.....:	AIR		
	04/05/2012	**Date Received..:**	04/12/2012
Prep Date.....:	04/13/2012	**Analysis Date...**	04/13/2012
Prep Batch #.....:	2105015		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Ethanol	24.6	18.2	46	34.3	74	20 - 180

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	98	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H2D160000 - 155B **Work Order #** MR16F1AA **Matrix.....:** AIR

	04/10/2012	**Date Received..:**	04/12/2012
Prep Date.....:	04/16/2012	**Analysis Date...**	04/16/2012
Prep Batch #.....:	2107155		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	ND	0.040	ND	0.25
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	ND	0.20	ND	0.41
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	ND	0.080	ND	0.40
Ethanol	ND	0.80	ND	1.5
Ethylbenzene	ND	0.080	ND	0.35
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H2D160000 - 155B **Work Order #** MR16F1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Hexachlorobutadiene	ND	0.080	ND	0.85
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
m-Xylene & p-Xylene	ND	0.080	ND	0.35
o-Xylene	ND	0.080	ND	0.35
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	ND	0.080	ND	0.45
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	98	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H2D160000 - 155C **Work Order #** MR16F1AC **Matrix.....:** AIR

	04/10/2012	**Date Received..:**	04/12/2012
Prep Date.....:	04/16/2012	**Analysis Date...**	04/16/2012
Prep Batch #.....:	2107155		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
1,1,1-Trichloroethane	5.00	5.26	27	28.7	105	70 - 130
1,1,2,2-Tetrachloroethane	5.00	4.16	34	28.5	83	70 - 130
1,1,2-Trichlorotrifluoroethane	5.00	5.10	38	39.1	102	70 - 130
1,1,2-Trichloroethane	5.00	4.46	27	24.3	89	70 - 130
1,1-Dichloroethane	5.00	5.02	20	20.3	100	70 - 130
1,1-Dichloroethene	5.00	4.88	20	19.3	98	70 - 130
1,2,4-Trichlorobenzene	5.00	3.10	37	23.0	62	60 - 140
1,2,4-Trimethylbenzene	5.00	4.20	25	20.7	84	70 - 130
1,2-Dibromoethane (EDB)	5.00	4.50	38	34.6	90	70 - 130
1,2-Dichlorobenzene	5.00	3.93	30	23.6	79	70 - 130
1,2-Dichloroethane	5.00	4.82	20	19.5	96	70 - 130
1,2-Dichloropropane	5.00	4.32	23	20.0	86	70 - 130
1,3,5-Trimethylbenzene	5.00	4.05	25	19.9	81	70 - 130
1,4-Dichlorobenzene	5.00	3.88	30	23.3	78	70 - 130
1,4-Dioxane	5.00	4.14	18	14.9	83	60 - 140
2-Butanone (MEK)	5.00	4.11	15	12.1	82	60 - 140
1,3-Dichlorobenzene	5.00	3.97	30	23.9	79	70 - 130
2,2,4-Trimethylpentane	5.00	4.18	23	19.5	84	70 - 130
Benzene	5.00	3.98	16	12.7	80	70 - 130
Benzyl chloride	5.00	4.31	26	22.3	86	70 - 130
Bromodichloromethane	5.00	4.73	34	31.7	95	70 - 130
Bromoform	5.00	4.51	52	46.6	90	60 - 140
Bromomethane	5.00	4.49	19	17.4	90	70 - 130
Carbon tetrachloride	5.00	5.40	31	34.0	108	70 - 130
Chlorobenzene	5.00	4.24	23	19.5	85	70 - 130
Chloroethane	5.00	4.27	13	11.3	85	70 - 130
Chloroform	5.00	4.94	24	24.1	99	70 - 130
Cyclohexane	5.00	4.52	17	15.5	90	70 - 130
Chloromethane	5.00	5.09	10	10.5	102	60 - 140
cis-1,2-Dichloroethene	5.00	4.90	20	19.4	98	70 - 130
cis-1,3-Dichloropropene	5.00	4.38	23	19.9	88	70 - 130
Dibromochloromethane	5.00	4.93	43	42.0	99	70 - 130
Dichlorodifluoromethane	5.00	5.06	25	25.0	101	60 - 140
Ethanol	24.6	28.4	46	53.4	115	20 - 180
Ethylbenzene	5.00	4.44	22	19.3	89	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	5.00	4.47	35	31.3	89	60 - 140

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H2D160000 - 155C **Work Order #** MR16F1AC **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
n-Hexane	5.00	5.05	18	17.8	101	70 - 130
Hexachlorobutadiene	5.00	3.55	53	37.8	71	60 - 140
4-Methyl-2-pentanone (MIBK)	5.00	4.04	20	16.5	81	60 - 140
Methyl tert-butyl ether	5.00	4.68	18	16.9	94	60 - 140
Methylene chloride	5.00	4.69	17	16.3	94	70 - 130
Styrene	5.00	4.48	21	19.1	90	70 - 130
tert-Butyl alcohol	5.00	5.03	15	15.2	101	60 - 140
Tetrachloroethene	5.00	4.36	34	29.6	87	70 - 130
Toluene	5.00	4.21	19	15.9	84	70 - 130
m-Xylene & p-Xylene	10.0	8.81	43	38.2	88	70 - 130
o-Xylene	5.00	4.29	22	18.6	86	70 - 130
trans-1,2-Dichloroethene	5.00	4.90	20	19.4	98	70 - 130
trans-1,3-Dichloropropene	5.00	4.82	23	21.9	96	70 - 130
Trichloroethene	5.00	4.09	27	22.0	82	70 - 130
Trichlorofluoromethane	5.00	5.37	28	30.2	107	60 - 140
Vinyl chloride	5.00	4.57	13	11.7	91	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	100	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Sample Data Summary

New York State D.E.C.

Client Sample ID: DAYCARE-IA

GC/MS Volatiles

Lot-Sample #	H3C070415 - 001	**Work Order #**	M0AH41AA	**Matrix.....:**	AIR
Date Sampled...:	03/05/2013	**Date Received..:**	03/07/2013		
Prep Date.....:	03/07/2013	**Analysis Date...**	03/07/2013		
Prep Batch #.....:	3067015				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**0.26**	**0.080**	**1.3**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	**0.13**	**0.080**	**0.53**	**0.32**
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	**0.23**	**0.080**	**1.4**	**0.48**
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	**0.36**	**0.32**	**1.1**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**1.5**	**0.080**	**4.8**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.094**	**0.040**	**0.59**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.33**	**0.080**	**1.6**	**0.39**
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.76**	**0.20**	**1.6**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.16**	**0.080**	**0.79**	**0.40**
Ethanol	**740 E**	**0.80**	**1400 E**	**1.5**
Ethylbenzene	**0.12**	**0.080**	**0.53**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: DAYCARE-IA

GC/MS Volatiles

Lot-Sample # H3C070415 - 001 **Work Order #** M0AH41AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	**0.10**	**0.080**	**0.44**	**0.34**
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**1.4**	**0.080**	**5.4**	**0.30**
m-Xylene & p-Xylene	**0.30**	**0.080**	**1.3**	**0.35**
o-Xylene	**0.13**	**0.080**	**0.58**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.21**	**0.080**	**1.2**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	105	60 - 140

Qualifiers

E Estimated result. Result concentration exceeds the calibration range.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: DAYCARE-IA

GC/MS Volatiles

Lot-Sample #	H3C070415 - 001	**Work Order #**	M0AH42AA	**Matrix.....:**	AIR
Date Sampled...:	03/05/2013	**Date Received..:**	03/07/2013		
Prep Date.....:	03/08/2013	**Analysis Date...**	03/08/2013		
Prep Batch #.....:	3067050				
Dilution Factor.:	50	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Ethanol	**1700 D**	**40**	**3200 D**	**75**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	105	60 - 140

Qualifiers

D	Result was obtained from the analysis of a dilution.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: DAYCARE-OA

GC/MS Volatiles

Lot-Sample # H3C070415 - 002 **Work Order #** M0AH51AA **Matrix.....:** AIR

Date Sampled...: 03/05/2013 **Date Received..:** 03/07/2013
Prep Date.....: 03/07/2013 **Analysis Date...** 03/07/2013
Prep Batch #.....: 3067015
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**0.26**	**0.080**	**1.3**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.19**	**0.080**	**0.60**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.081**	**0.040**	**0.51**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.59**	**0.20**	**1.2**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.35**	**0.080**	**1.8**	**0.40**
Ethanol	**5.2**	**0.80**	**9.7**	**1.5**
Ethylbenzene	ND	0.080	ND	0.35
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: DAYCARE-OA

GC/MS Volatiles

Lot-Sample # H3C070415 - 002 **Work Order #** M0AH51AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	**0.65**	**0.20**	**2.2**	**0.69**
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.32 B**	**0.080**	**1.2 B**	**0.30**
m-Xylene & p-Xylene	**0.18**	**0.080**	**0.78**	**0.35**
o-Xylene	**0.087**	**0.080**	**0.38**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.22**	**0.080**	**1.2**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	103	60 - 140

Qualifiers

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: FURNATURE STORE-IA

GC/MS Volatiles

Lot-Sample # H3C070415 - 003 **Work Order #** M0AH61AA **Matrix.....:** AIR

Date Sampled...: 03/05/2013 **Date Received..:** 03/07/2013
Prep Date.....: 03/07/2013 **Analysis Date...** 03/07/2013
Prep Batch #.....: 3067015
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**0.18**	**0.080**	**0.88**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.32**	**0.080**	**1.0**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.085**	**0.040**	**0.54**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.60**	**0.20**	**1.2**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.17**	**0.080**	**0.82**	**0.40**
Ethanol	**15**	**0.80**	**28**	**1.5**
Ethylbenzene	ND	0.080	ND	0.35
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: FURNATURE STORE-IA

GC/MS Volatiles

Lot-Sample # H3C070415 - 003 **Work Order #** M0AH61AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.49**	**0.080**	**1.8**	**0.30**
m-Xylene & p-Xylene	**0.24**	**0.080**	**1.0**	**0.35**
o-Xylene	**0.097**	**0.080**	**0.42**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.19**	**0.080**	**1.1**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	102	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: FURNATURE STORE-SS

GC/MS Volatiles

Lot-Sample # H3C070415 - 004 **Work Order #** M0AH71AA **Matrix.....:** AIR

Date Sampled...: 03/05/2013 **Date Received..:** 03/07/2013
Prep Date.....: 03/07/2013 **Analysis Date...** 03/07/2013
Prep Batch #.....: 3067015
Dilution Factor.: 5 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.40	ND	2.2
1,1,2,2-Tetrachloroethane	ND	0.40	ND	2.7
1,1,2-Trichlorotrifluoroethane	ND	0.40	ND	3.1
1,1,2-Trichloroethane	ND	0.40	ND	2.2
1,1-Dichloroethane	ND	0.40	ND	1.6
1,1-Dichloroethene	ND	0.40	ND	1.6
1,2,4-Trichlorobenzene	ND	0.40	ND	3.0
1,2,4-Trimethylbenzene	**0.61**	**0.40**	**3.0**	**2.0**
1,2-Dibromoethane (EDB)	ND	0.40	ND	3.1
1,2-Dichlorobenzene	ND	0.40	ND	2.4
1,2-Dichloroethane	ND	0.40	ND	1.6
1,2-Dichloropropane	ND	0.40	ND	1.8
1,3,5-Trimethylbenzene	ND	0.40	ND	2.0
1,4-Dichlorobenzene	**3.3**	**0.40**	**20**	**2.4**
1,4-Dioxane	ND	1.0	ND	3.6
2-Butanone (MEK)	ND	1.6	ND	4.7
1,3-Dichlorobenzene	ND	0.40	ND	2.4
2,2,4-Trimethylpentane	ND	1.0	ND	4.7
Benzene	ND	0.40	ND	1.3
Benzyl chloride	ND	0.80	ND	4.1
Bromodichloromethane	**1.3**	**0.40**	**8.9**	**2.7**
Bromoform	ND	0.40	ND	4.1
Bromomethane	ND	0.40	ND	1.6
Carbon tetrachloride	**0.45**	**0.20**	**2.8**	**1.3**
Chlorobenzene	ND	0.40	ND	1.8
Chloroethane	ND	0.40	ND	1.1
Chloroform	**88 E**	**0.40**	**430 E**	**2.0**
Cyclohexane	ND	1.0	ND	3.4
Chloromethane	ND	1.0	ND	2.1
cis-1,2-Dichloroethene	ND	0.40	ND	1.6
cis-1,3-Dichloropropene	ND	0.40	ND	1.8
Dibromochloromethane	ND	0.40	ND	3.4
Dichlorodifluoromethane	**0.49**	**0.40**	**2.4**	**2.0**
Ethanol	ND	4.0	ND	7.5
Ethylbenzene	ND	0.40	ND	1.7
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.40	ND	2.8
n-Hexane	ND	1.0	ND	3.5
Hexachlorobutadiene	ND	0.40	ND	4.3

New York State D.E.C.

Client Sample ID: FURNATURE STORE-SS

GC/MS Volatiles

Lot-Sample # H3C070415 - 004 **Work Order #** M0AH71AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	1.0	ND	4.1
Methyl tert-butyl ether	ND	0.80	ND	2.9
Methylene chloride	ND	1.0	ND	3.5
Styrene	ND	0.40	ND	1.7
tert-Butyl alcohol	ND	1.6	ND	4.9
Tetrachloroethene	**7.6**	**0.40**	**52**	**2.7**
Toluene	**1.5**	**0.40**	**5.7**	**1.5**
m-Xylene & p-Xylene	**1.1**	**0.40**	**4.7**	**1.7**
o-Xylene	**0.41**	**0.40**	**1.8**	**1.7**
trans-1,2-Dichloroethene	ND	0.40	ND	1.6
trans-1,3-Dichloropropene	ND	0.40	ND	1.8
Trichloroethene	**0.26**	**0.20**	**1.4**	**1.1**
Trichlorofluoromethane	ND	0.40	ND	2.2
Vinyl chloride	ND	0.40	ND	1.0

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	101	60 - 140

Qualifiers

E Estimated result. Result concentration exceeds the calibration range.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: FURNATURE STORE-SS

GC/MS Volatiles

Lot-Sample #	H3C070415 - 004	**Work Order #**	M0AH72AA	**Matrix.....:**	AIR
Date Sampled...:	03/05/2013	**Date Received..:**	03/07/2013		
Prep Date.....:	03/08/2013	**Analysis Date...**	03/08/2013		
Prep Batch #.....:	3067050				
Dilution Factor.:	13.35	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chloroform	**94 D**	**1.1**	**460 D**	**5.2**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	102	60 - 140

Qualifiers

D	Result was obtained from the analysis of a dilution.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H3C080000 - 015B	**Work Order #**	M0ANN1AA	**Matrix.....:**	AIR
	03/05/2013	**Date Received..:**	03/07/2013		
Prep Date.....:	03/07/2013	**Analysis Date...**	03/07/2013		
Prep Batch #.....:	3067015				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	ND	0.040	ND	0.25
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	ND	0.20	ND	0.41
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	ND	0.080	ND	0.40
Ethanol	ND	0.80	ND	1.5
Ethylbenzene	ND	0.080	ND	0.35
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H3C080000 - 015B **Work Order #** M0ANN1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Hexachlorobutadiene	ND	0.080	ND	0.85
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
m-Xylene & p-Xylene	ND	0.080	ND	0.35
o-Xylene	ND	0.080	ND	0.35
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	ND	0.080	ND	0.45
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	103	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H3C080000 - 015C **Work Order #** M0ANN1AC **Matrix.....:** AIR

	03/05/2013	**Date Received..:**	03/07/2013
Prep Date.....:	03/07/2013	**Analysis Date...**	03/07/2013
Prep Batch #.....:	3067015		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
1,1,1-Trichloroethane	5.00	5.09	27	27.8	102	70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.04	34	34.6	101	70 - 130
1,1,2-Trichlorotrifluoroethane	5.00	4.57	38	35.0	91	70 - 130
1,1,2-Trichloroethane	5.00	5.12	27	27.9	102	70 - 130
1,1-Dichloroethane	5.00	5.19	20	21.0	104	70 - 130
1,1-Dichloroethene	5.00	4.39	20	17.4	88	70 - 130
1,2,4-Trichlorobenzene	5.00	4.33	37	32.1	87	60 - 140
1,2,4-Trimethylbenzene	5.00	5.00	25	24.6	100	70 - 130
1,2-Dibromoethane (EDB)	5.00	5.15	38	39.6	103	70 - 130
1,2-Dichlorobenzene	5.00	4.76	30	28.6	95	70 - 130
1,2-Dichloroethane	5.00	5.18	20	20.9	104	70 - 130
1,2-Dichloropropane	5.00	5.23	23	24.2	105	70 - 130
1,3,5-Trimethylbenzene	5.00	4.87	25	23.9	97	70 - 130
1,4-Dichlorobenzene	5.00	4.80	30	28.9	96	70 - 130
1,4-Dioxane	5.00	4.97	18	17.9	99	60 - 140
2-Butanone (MEK)	5.00	5.02	15	14.8	100	60 - 140
1,3-Dichlorobenzene	5.00	4.77	30	28.7	95	70 - 130
2,2,4-Trimethylpentane	5.00	5.46	23	25.5	109	70 - 130
Benzene	5.00	4.93	16	15.7	99	70 - 130
Benzyl chloride	5.00	5.29	26	27.4	106	70 - 130
Bromodichloromethane	5.00	5.55	34	37.2	111	70 - 130
Bromoform	5.00	5.53	52	57.1	111	60 - 140
Bromomethane	5.00	5.36	19	20.8	107	70 - 130
Carbon tetrachloride	5.00	5.10	31	32.1	102	70 - 130
Chlorobenzene	5.00	4.79	23	22.0	96	70 - 130
Chloroethane	5.00	5.60	13	14.8	112	70 - 130
Chloroform	5.00	5.08	24	24.8	102	70 - 130
Cyclohexane	5.00	5.33	17	18.3	107	70 - 130
Chloromethane	5.00	5.50	10	11.3	110	60 - 140
cis-1,2-Dichloroethene	5.00	4.81	20	19.1	96	70 - 130
cis-1,3-Dichloropropene	5.00	5.33	23	24.2	107	70 - 130
Dibromochloromethane	5.00	5.38	43	45.9	108	70 - 130
Dichlorodifluoromethane	5.00	5.50	25	27.2	110	60 - 140
Ethanol	25.0	26.3	47	49.6	105	20 - 180
Ethylbenzene	5.00	4.82	22	21.0	96	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	5.00	5.22	35	36.5	104	60 - 140

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H3C080000 - 015C **Work Order #** M0ANN1AC **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
n-Hexane	5.00	5.45	18	19.2	109	70 - 130
Hexachlorobutadiene	5.00	4.21	53	44.9	84	60 - 140
4-Methyl-2-pentanone (MIBK)	5.00	5.96	20	24.4	119	60 - 140
Methyl tert-butyl ether	5.00	5.34	18	19.3	107	60 - 140
Methylene chloride	5.00	4.70	17	16.3	94	70 - 130
Styrene	5.00	5.23	21	22.3	105	70 - 130
tert-Butyl alcohol	5.00	5.28	15	16.0	106	60 - 140
Tetrachloroethene	5.00	4.73	34	32.1	95	70 - 130
Toluene	5.00	4.78	19	18.0	96	70 - 130
m-Xylene & p-Xylene	10.0	9.91	43	43.0	99	70 - 130
o-Xylene	5.00	4.92	22	21.4	98	70 - 130
trans-1,2-Dichloroethene	5.00	5.13	20	20.3	103	70 - 130
trans-1,3-Dichloropropene	5.00	5.14	23	23.3	103	70 - 130
Trichloroethene	5.00	4.90	27	26.3	98	70 - 130
Trichlorofluoromethane	5.00	5.41	28	30.4	108	60 - 140
Vinyl chloride	5.00	5.63	13	14.4	113	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	106	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H3C080000 - 050B	**Work Order #**	M0A0R1AA	**Matrix.....:**	AIR
	03/05/2013	**Date Received..:**	03/07/2013		
Prep Date.....:	03/08/2013	**Analysis Date...**	03/08/2013		
Prep Batch #.....:	3067050				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chloroform	ND	0.080	ND	0.39
Ethanol	ND	0.80	ND	1.5

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	103	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample #	H3C080000 - 050C	**Work Order #**	M0A0R1AC
Matrix.....:	AIR		
	03/05/2013	**Date Received..:**	03/07/2013
Prep Date.....:	03/08/2013	**Analysis Date...**	03/08/2013
Prep Batch #.....:	3067050		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Chloroform	5.00	4.80	24	23.5	96	70 - 130
Ethanol	25.0	26.0	47	48.9	104	20 - 180

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	107	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Sample Data Summary

Premier Environmental Services

DATA USABILITY SUMMARY REPORT (DUSR)

SOUTHERN BLVD. SITE

TO-15 ANALYSES
IN AIR SAMPLES

TEST AMERICA LABORATORIES, INC.
KNOXVILLE, TN

REPORT NUMBER: H2C120424

June, 2012

Prepared for
EnviroTrac Ltd.
Yaphank, New York

Prepared by
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(516)223-9761

emailed 6/10/12

NYS DEC Data Usability Summary Report

DATA VALIDATION FOR:	**Volatile Organic Analyses – EPA Method TO-15**
SITE:	**Southern Site**
CONTRACT LAB:	**Test America Laboratories Knoxville, TN**
LABORATORY REPORT NO.:	**H2C120424**
REVIEWER:	**Renee Cohen**
DATE REVIEW COMPLETED:	**June, 2012**
MATRIX:	**Air**

The samples in this data set were analyzed in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Trace Organic Compounds in Ambient Air (January, 1999). The data validation was performed according to the guidelines in the USEPA National Functional Guidelines for Organic Data Review. Also utilized for this review is the Region II SOP document based on the USEPA CLP SOW-VCAA01.0 (December 1991). This document is for the Validation of Air Samples-Volatile Organic Analysis of Ambient Air in Canister by Method TO-15 (SOP # HW-31, Rev. 4-10/06). In addition, method and QC criteria specified in the NYSDEC ASP documents were cited. All data are considered valid and acceptable except those analytes which have been deemed unusable "R" (unreliable). Due to various QC problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All actions are detailed on the attached sheets.

Several factors should be noted for all persons using this data. Persons using this data should be aware that no result is guaranteed to be accurate even if it has passed all QC tests. The main purpose of this review is to appropriately qualify outliers and to determine whether the results presented meet the specific site/project criteria for data quality and data use.

This data assessment is for six (6) ambient air samples. The samples in this data set were collected March 7, 2012 and delivered to Test America Laboratories located in Knoxville, TN on March 9, 2012. The samples were analyzed for Volatile Organic Analytes via EPA Method TO-15, as specified on the Chain of Custody (COC) documentation that accompanied the samples to the laboratory.

A cross-reference between Field Sample ID and Laboratory Sample ID is located in Table 1 of this report. A copy of definitions that may be used to qualify data results is located in Appendix A of this report. Copies of qualified data result pages are located in Appendix B of this report and a copy of Chain of Custody (COC) documentation associated with sampling event is located in Appendix C.

ORGANIC DATA ASSESSMENT

1. OVERVIEW:

Six (6) air samples were analyzed as per the Chain of Custody (COC) documentation. The samples were analyzed using EPA Method T0-15 from the Compendium of Methods for the Determination of Toxic Compounds in Ambient Air, January, 1999. Proper custody transfer of the samples was documented in the laboratory reports. Cooler temperature was within QC limits. Canister checks were performed prior to analysis. All samples in this data set were properly preserved.

Test America Laboratories generated a stand-alone report for this data set in compliance with the NYS DEC ASP Category B deliverables.

The samples in this data set were analyzed for the TO-15 volatile organic compounds listed in the method.

2. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. After the air sample is collected and identification tag is attached and the canister is transported to the laboratory for analysis. The canister is stored until analysis. Storage times of up to thirty (30) days have been demonstrated for many of the Volatile Organic Compounds.

The samples in this data set were collected March 7, 2012 and received at the laboratory on March 9, 2012. All initial sample analyses and dilution analyses (where necessary) were completed by March 14, 2012.

All samples in this data set were analyzed within the method recommended holding time.

3. SURROGATES:

Samples may be spiked with surrogate compounds prior to sample preparation to evaluate the overall laboratory performance and the efficiency of the analytical technique. If the measured surrogate concentrations are outside the QC limits, qualifiers were applied to the effected samples.

The validation guidelines associated with this method do not specify the use of surrogate compounds. Test America Laboratories fortifies each of the suma canisters with the surrogate compound 4-Bromofluorobenzene prior to sample analysis. The laboratory applied percent recovery limits of +/- 40% (60-140%). The percent recovery of the surrogate met QC criteria in each of the samples reported in this data set.

4. MATRIX SPIKE/SPIKE DUPLICATE, MS/MSD:

The MS/MSD data are generated to determine the long term precision and accuracy of the analytical method in various matrices. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data. The laboratory used the in-house generated recovery criteria and RPD (precision) data for reporting purposes.

Site specific MS/MSD analysis is not associated with this data set.

5. BLANK SPIKE ANALYSIS:

The NY ASP protocol and the cited method require that a blank spike analysis be performed with each sample batch. The blank spike analysis is used to insure that the analytical system is in control. The laboratory applied in-house recovery limits for each analyte. The method requires the analysis of a 10 ppbv fortified sample analysis. Recovery limits of 70%-130% for each LCS target compound. Professional judgment is used to review data associated with the LCS sample results.

The laboratory prepared and analyzed two (2) Check Sample/Laboratory Control Samples with the sample batch. The LCS sample was fortified with each target analyte. The laboratory reported in-house recovery limits for each target analyte. This validator used QC recovery limits of 70-130% for each of the target analytes. The recovery of each analyte was reported on a "CLP Like" Form 3. All percent recoveries met QC criteria with the exception of that listed below:

Date of analysis	Analyte	Recovery (%)
3/13/12	1,4-Dioxane	68
	2-Butanone	62
	Ethanol	68

These target analytes have been qualified "UJ/J" estimated in the samples associated with this LCS sample analysis.

Qualified data result pages are located in Appendix B of this report.

6. BLANK CONTAMINATION:

Quality assurance (QA) blanks, such as the method, trip, field, or rinse blanks are prepared to identify any contamination that may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field blanks measure cross-contamination of samples during field operations. Samples are then qualified based on blank contamination when detected.

A) Method Blank contamination

Two (2) method blank samples are associated with the samples reported in this data set. Each of the method blank samples was free from contamination of target analytes.

B) Field Blank contamination

A Field Blank sample is not associated with this data set.

C) Trip Blank contamination

A Trip Blank sample is not associated this data set.

7. GC/MS CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument is giving satisfactory daily performance.

The method states that the GC/MS be calibrated at a minimum of five (5) concentrations that span the range of interest. An analytical sequence includes a time frame of twenty-four (24) hours. After each 24 hour period anew analytical sequence is commenced with the analysis of an instrument performance standard and a daily calibration standard. The calculated %RSD of each target analyte must be less than 30% with at most two exceptions up to a limit of 40%. Based on the Region II validation Guidance documents any target analytes with a %RSD greater than 30% have been qualified "UJ/J" estimated.

A review of the individual relative response factor (RRF) is performed. The RRF of each target analyzed must be greater than 0.050. If the RRF is less than 0.050 the data is qualified. Positive detects are qualified "J" estimated. Non-detects are qualified "R" unusable.

One (1) initial calibration analyses are associated with these TO-15 analyses. The laboratory performed an initial multi level calibration using the standards on February, 24, 2012 (Inst. GCMS mj.i). The mean response and the %RSD were reported for each of the target compounds. The %RSD and mean response for each of the target compounds met the method criteria in each of these initial calibration curve analyses.

The samples in this data set are associated with two (2) continuing calibration standard analyses. The samples were analyzed March 13, 2012 and March 14, 2012. Percent (%) deviation of the continuing calibration standard has been calculated for each of the target compounds. The %Difference between the initial and daily standards should be within +/-30%. All target analytes met QC criteria in the continuing calibration standard with the exception of the following:

Date/File ID	Analyte	%Deviation
3/13/12/gccvd13.d	ethanol	36.0
	2-Butanone	37.9
	1,4-Dioxane	31.9

Based on the high %Deviation in the CCV standards these analytes have been qualified "UJ/J" estimated.

Qualified data result pages are located in Appendix B of this report.

8. GC/MS MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is Bromofluorobenzene (BFB). If the mass calibration is in error, or missing, all associated data will be classified as unusable, "R".

GC/MS instrument performance must be checked prior to sample analysis. The method specifies that the BFB Instrument Performance Check be analyzed initially and once per twenty-four (24) hour period of operation. All instrument tuning criteria were met for these sample analyses.

ORGANIC DATA ASSESSMENT

9. GC/MS INTERNAL STANDARDS PERFORMANCE:

Internal standard (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every run. EPA Method TO-15 recommends that the internal standard area count must not vary by more than +/- 40% from the associated continuing calibration standard. The method recommends that the retention time of the internal standard must not vary more than ±20 seconds from the associated continuing calibration standard. The EPA CLP validation guidelines state that if the area count is outside the range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified estimated, "J", and all non-detects below 50% are qualified "UJ", non detects above 100% should not be qualified or "R" if there is a severe loss of sensitivity. This QC review policy has been applied to these ambient air analyses.

All samples were fortified with the internal standards Bromochloromethane, 1,4-Difluorobenzene and Chlorobenzene-d5. All internal standard area criteria were met for the samples in this data set.

10. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound, and have an ion spectra which has a ratio of the primary and secondary ion intensities with 20% of that in the standard compound. Target compounds are identified on the GC by using the analytes retention time. Concentration is quantitated from the initial calibration curve.

The samples in this data set were reported in ppb (v/v) and ug/m3. Sample dilution analyses were performed when the concentration of target analytes exceeded the calibration range.

Sample H-2-BS-40975 was initially analyzed without dilution on March 13, 2012. The concentration of Ethanol exceeded the calibration range of the GC/MS. This sample was reanalyzed using a 1:11.91 dilution to report the concentration of Ethanol (770 D ppbv) detected at this sample point.

11. FIELD DUPLICATE ANALYSES:

Field duplicate samples are collected and analyzed as an indication of overall precision. These results are expected to have more variability than laboratory duplicate samples. Analytes reported above the reporting limit are listed and compared below. Data was not qualified based on the RPD of field duplicate sample analyses.

Field duplicate samples are not associated with this data set.

12. OVERALL ASSESSMENT:

Analytical QC criteria were met for these analyses. The data reported agrees with the raw data provided in the final report. The laboratory provided a complete data package and reported all data using acceptable protocols and laboratory qualifiers as defined in the report package. Based on this information, this data set is acceptable for use, with the noted data qualifiers.

Qualified data result pages are located in Appendix B of this report.

TABLE 1

CLIENT SAMPLE ID	LABORATORY SAMPLE ID
H-1-SS-40975	H2C120424-001
H-1-BS-40975	H2C120424-002
H-1-AA-40975	H2C120424-003
H-2-SS-40975	H2C120424-004
H-2-BS-40975	H2C120424-005
H-2-AA-40975	H2C120424-006

APPENDIX A

DATA QUALIFIER DEFINITIONS

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R - The sample results are unreliable/unusable. The presence or absence of the analyte cannot be verified.

K – The analyte is present. The reported value may be biased high. The actual value is expected to be lower than reported.

L - The analyte is present. The reported value may be biased low. The actual value is expected to be higher than reported.

UL – The analyte was not detected, and the reported quantitation limit is probably higher than reported.

APPENDIX B

New York State D.E.C.

Client Sample ID: H-1-SS-40975

GC/MS Volatiles

Lot-Sample #	H2C120424 - 001	**Work Order #**	MRC191AA	**Matrix.....:**	AIR
Date Sampled...:	03/07/2012	**Date Received..:**	03/10/2012		
Prep Date.....:	03/13/2012	**Analysis Date...**	03/13/2012		
Prep Batch #.....:	2073119				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**3.9**	**0.080**	**19**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	**1.0**	**0.080**	**5.1**	**0.39**
1,4-Dichlorobenzene	**0.22**	**0.080**	**1.3**	**0.48**
1,4-Dioxane	ND UJ	0.20	ND	0.72
2-Butanone (MEK)	**2.8** J	**0.32**	**8.4**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	**0.28**	**0.20**	**1.3**	**0.93**
Benzene	**0.71**	**0.080**	**2.3**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.076**	**0.040**	**0.48**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	**0.35**	**0.20**	**1.2**	**0.69**
Chloromethane	ND	0.20	ND	0.41
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.54**	**0.080**	**2.7**	**0.40**
Ethanol	**9.6** J	**0.80**	**18**	**1.5**
Ethylbenzene	**2.4**	**0.080**	**10**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	**0.71**	**0.20**	**2.5**	**0.70**
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: H-1-SS-40975

GC/MS Volatiles

Lot-Sample # H2C120424 - 001 Work Order # MRC191AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	0.26	0.20	1.1	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	0.49	0.20	1.7	0.69
Styrene	0.19	0.080	0.82	0.34
tert-Butyl alcohol	1.3	0.32	4.0	0.97
Tetrachloroethene	1.3	0.080	8.7	0.54
Toluene	7.3	0.080	27	0.30
m-Xylene & p-Xylene	9.6	0.080	41	0.35
o-Xylene	3.5	0.080	15	0.35
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	0.15	0.040	0.83	0.21
Trichlorofluoromethane	0.23	0.080	1.3	0.45
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	105	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: H-1-BS-40975

GC/MS Volatiles

Lot-Sample # H2C120424 - 002 Work Order # MRC2A1AA Matrix.....: AIR

Date Sampled...: 03/07/2012 Date Received..: 03/10/2012
Prep Date.....: 03/13/2012 Analysis Date... 03/13/2012
Prep Batch #....: 2073119
Dilution Factor.: 1 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**0.20**	**0.080**	**0.97**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	**2.1**	**0.080**	**13**	**0.48**
1,4-Dioxane	ND U J	0.20	ND	0.72
2-Butanone (MEK)	**0.62** J	**0.32**	**1.8**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.21**	**0.080**	**0.66**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	**0.092**	**0.080**	**0.62**	**0.54**
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.076**	**0.040**	**0.48**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	**1.5**	**0.080**	**7.3**	**0.39**
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.46**	**0.20**	**0.95**	**0.41**
cis-1,2-Dichloroethene	**0.70**	**0.080**	**2.8**	**0.32**
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.47**	**0.080**	**2.3**	**0.40**
Ethanol	**69** J	**0.80**	**130**	**1.5**
Ethylbenzene	**0.13**	**0.080**	**0.58**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: H-1-BS-40975

GC/MS Volatiles

Lot-Sample # H2C120424 - 002 Work Order # MRC2A1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	**3.5**	**0.20**	**12**	**0.69**
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	**0.44**	**0.080**	**3.0**	**0.54**
Toluene	**0.83**	**0.080**	**3.1**	**0.30**
m-Xylene & p-Xylene	**0.46**	**0.080**	**2.0**	**0.35**
o-Xylene	**0.16**	**0.080**	**0.68**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	**0.11**	**0.040**	**0.61**	**0.21**
Trichlorofluoromethane	**0.22**	**0.080**	**1.2**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	101	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: H-1-AA-40975

GC/MS Volatiles

Lot-Sample #	H2C120424 - 003	**Work Order #**	MRC2C1AA	**Matrix.....:**	AIR
Date Sampled...:	03/07/2012	**Date Received..:**	03/10/2012		
Prep Date.....:	03/13/2012	**Analysis Date...**	03/13/2012		
Prep Batch #.....:	2073119				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	**0.82**	**0.080**	**4.5**	**0.44**
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	**0.082**	**0.080**	**0.63**	**0.61**
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	**0.25**	**0.080**	**1.0**	**0.32**
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND U J	0.20	ND	0.72
2-Butanone (MEK)	ND U J	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.060**	**0.040**	**0.38**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.60**	**0.20**	**1.2**	**0.41**
cis-1,2-Dichloroethene	**0.42**	**0.080**	**1.7**	**0.32**
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.52**	**0.080**	**2.6**	**0.40**
Ethanol	**27** J	**0.80**	**51**	**1.5**
Ethylbenzene	ND	0.080	ND	0.35
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: H-1-AA-40975

GC/MS Volatiles

Lot-Sample # H2C120424 - 003 Work Order # MRC2C1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	**0.73**	**0.20**	**2.5**	**0.69**
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
m-Xylene & p-Xylene	ND	0.080	ND	0.35
o-Xylene	ND	0.080	ND	0.35
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	**0.30**	**0.040**	**1.6**	**0.21**
Trichlorofluoromethane	**0.26**	**0.080**	**1.4**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	104	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: H-2-SS-40975

GC/MS Volatiles

Lot-Sample #	H2C120424 - 004	**Work Order #**	MRC2D1AA	**Matrix.....:**	AIR
Date Sampled...:	03/07/2012	**Date Received..:**	03/10/2012		
Prep Date.....:	03/13/2012	**Analysis Date...**	03/13/2012		
Prep Batch #.....:	2073119				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**3.5**	**0.080**	**17**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	**0.82**	**0.080**	**4.0**	**0.39**
1,4-Dichlorobenzene	**0.11**	**0.080**	**0.69**	**0.48**
1,4-Dioxane	ND U J	0.20	ND	0.72
2-Butanone (MEK)	**2.3** J	**0.32**	**6.7**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	**0.21**	**0.20**	**1.0**	**0.93**
Benzene	**1.6**	**0.080**	**5.2**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.053**	**0.040**	**0.34**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	**1.0**	**0.080**	**4.9**	**0.39**
Cyclohexane	**0.34**	**0.20**	**1.2**	**0.69**
Chloromethane	ND	0.20	ND	0.41
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.48**	**0.080**	**2.4**	**0.40**
Ethanol	**8.9** J	**0.80**	**17**	**1.5**
Ethylbenzene	**2.3**	**0.080**	**10**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	**0.79**	**0.20**	**2.8**	**0.70**
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: H-2-SS-40975

GC/MS Volatiles

Lot-Sample # H2C120424 - 004 Work Order # MRC2D1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	0.18	0.080	0.75	0.34
tert-Butyl alcohol	2.7	0.32	8.1	0.97
Tetrachloroethene	0.67	0.080	4.5	0.54
Toluene	8.4	0.080	31	0.30
m-Xylene & p-Xylene	9.2	0.080	40	0.35
o-Xylene	3.0	0.080	13	0.35
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	0.26	0.080	1.4	0.45
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	101	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: H-2-BS-40975

GC/MS Volatiles

Lot-Sample #	H2C120424 - 005	Work Order #	MRC2E1AA	Matrix.....:	AIR
Date Sampled...:	03/07/2012	Date Received..:	03/10/2012		
Prep Date.....:	03/13/2012	Analysis Date...	03/13/2012		
Prep Batch #.....:	2073119				
Dilution Factor.:	1	Method.....:	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	**0.21**	**0.080**	**1.2**	**0.44**
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**0.61**	**0.080**	**3.0**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	**0.096**	**0.080**	**0.39**	**0.32**
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	**0.15**	**0.080**	**0.72**	**0.39**
1,4-Dichlorobenzene	**0.11**	**0.080**	**0.68**	**0.48**
1,4-Dioxane	ND C4	0.20	ND	0.72
2-Butanone (MEK)	**0.91** C4	**0.32**	**2.7**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.32**	**0.080**	**1.0**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.090**	**0.040**	**0.57**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	**1.8**	**0.080**	**8.9**	**0.39**
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.89**	**0.20**	**1.8**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.46**	**0.080**	**2.3**	**0.40**
Ethanol	**670 E** 4	**0.80**	**1300 E**	**1.5**
Ethylbenzene	**0.20**	**0.080**	**0.86**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	**0.42**	**0.20**	**1.5**	**0.70**
Hexachlorobutadiene	ND	0.080	ND	0.85
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82

New York State D.E.C.

Client Sample ID: H-2-BS-40975

GC/MS Volatiles

Lot-Sample # H2C120424 - 005 Work Order # MRC2E1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	0.29	0.20	1.0	0.69
Styrene	0.48	0.080	2.0	0.34
tert-Butyl alcohol	0.88	0.32	2.7	0.97
Tetrachloroethene	0.11	0.080	0.77	0.54
Toluene	6.9	0.080	26	0.30
m-Xylene & p-Xylene	0.59	0.080	2.6	0.35
o-Xylene	0.24	0.080	1.1	0.35
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	0.24	0.080	1.4	0.45
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	99	60 - 140

Qualifiers

E Estimated result. Result concentration exceeds the calibration range.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: H-2-BS-40975

GC/MS Volatiles

Lot-Sample #	H2C120424 - 005	**Work Order #**	MRC2E2AA	**Matrix.....:**	AIR
Date Sampled...:	03/07/2012	**Date Received..:**	03/10/2012		
Prep Date.....:	03/14/2012	**Analysis Date...**	03/15/2012		
Prep Batch #.....:	2075019				
Dilution Factor.:	11.91	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Ethanol	**770 D**	**9.5**	**1500 D**	**18**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	102	60 - 140

Qualifiers

D Result was obtained from the analysis of a dilution.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: H-2-AA-40975

GC/MS Volatiles

Lot-Sample #	H2C120424 - 006	**Work Order #**	MRC2G1AA	**Matrix.....:**	AIR
Date Sampled...:	03/07/2012	**Date Received..:**	03/10/2012		
Prep Date.....:	03/13/2012	**Analysis Date...**	03/13/2012		
Prep Batch #.....:	2073119				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**0.12**	**0.080**	**0.57**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND U J	0.20	ND	0.72
2-Butanone (MEK)	**0.46** J	**0.32**	**1.4**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.24**	**0.080**	**0.77**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.086**	**0.040**	**0.54**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.57**	**0.20**	**1.2**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.53**	**0.080**	**2.6**	**0.40**
Ethanol	**13** J	**0.80**	**24**	**1.5**
Ethylbenzene	**0.088**	**0.080**	**0.38**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: H-2-AA-40975

GC/MS Volatiles

Lot-Sample # H2C120424 - 006 Work Order # MRC2G1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	**0.22**	**0.20**	**0.77**	**0.69**
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.69**	**0.080**	**2.6**	**0.30**
m-Xylene & p-Xylene	**0.30**	**0.080**	**1.3**	**0.35**
o-Xylene	**0.11**	**0.080**	**0.48**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.23**	**0.080**	**1.3**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	103	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

APPENDIX C

H2C120424

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

Canister Samples Chain of Custody Record

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	**Project Manager:** Stephen Sussman	**Sampled By:**	1 of 1 COCs
Company: ENVIROTRAC	Phone: 631-924-3001 x128	DONNA ESCHRICH / LENNY DARMIENTO	
Address: 5 OLD DOCK Rd.	Site Contact:		
City/State/Zip YAPHANK, NY 11980	TAL Contact:		
Phone: 631-924-3001			
FAX: 631-924-5001			
Project Name: C203055A	**Analysis Turnaround Time**		
Site/location: 1095 SOUTHERN BLVD	Standard (Specify) ✓		
PO #	Rush (Specify)		

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)
H-1-SS-40975	3/7/12	10:10	9:55	-30	-4.5	K472	6120	X									X		
H-1-BS-40975	3/7/12	10:24	9:54	-30	-6	K235	12212	X							X				
H-1-AA-40975	3/7/12	10:40	9:53	-30	-4	K433	7496	X								X			
H-2-SS-40975	3/7/12	12:07	11:48	-30+	-3	K314	1136	X									X		
H-2-BS-40975	3/7/12	12:17	11:49	-30+	-4.5	K277	6361	X							X				
H-2-AA-40975	3/7/12	12:24	11:55	-30	-4	K257	7495	X								X			

Sampled by :

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

2 Boxes Rec'd @ Ambient Temp with out custody Seals
3/10/12
2 boxes Fed X #s
7941 5188 6102
7933 2135 9242
6 CANS / 6 Flows

Special Instructions/QC Requirements & Comments:

Canisters Shipped by: ENVIROTRAC - DONNA ESCHRICH	Date/Time: 3/8/12	Canisters Received by: 3/9/12 @ 1121	Test America
Samples Relinquished by: DONNA Eschrich	Date/Time: 3/8/12 - @ 4:00 pm	Received by: 3/10/12	645
Relinquished by: FEDEX TRACK	Date/Time: 3/09/12 17:00	Received by:	

Premier Environmental Services

DATA USABILITY SUMMARY REPORT (DUSR)

SOUTHERN BLVD. SITE

TO-15 ANALYSES
IN AIR SAMPLES

TEST AMERICA LABORATORIES, INC.
KNOXVILLE, TN

REPORT NUMBER: H2C270406

June, 2012

Prepared for
EnviroTrac Ltd.
Yaphank, New York

Prepared by
Premier Environmental Services
2815 Covered Bridge Road
Merrick, New York 11566
(516)223-9761

NYS DEC Data Usability Summary Report

DATA VALIDATION FOR:	**Volatile Organic Analyses – EPA Method TO-15**
SITE:	**Southern Site**
CONTRACT LAB:	**Test America Laboratories Knoxville, TN**
LABORATORY REPORT NO.:	**H2C270406**
REVIEWER:	**Renee Cohen**
DATE REVIEW COMPLETED:	**June, 2012**
MATRIX:	**Air**

The samples in this data set were analyzed in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Trace Organic Compounds in Ambient Air (January, 1999). The data validation was performed according to the guidelines in the USEPA National Functional Guidelines for Organic Data Review. Also utilized for this review is the Region II SOP document based on the USEPA CLP SOW-VCAA01.0 (December 1991). This document is for the Validation of Air Samples-Volatile Organic Analysis of Ambient Air in Canister by Method TO-15 (SOP # HW-31, Rev. 4-10/06). In addition, method and QC criteria specified in the NYSDEC ASP documents were cited. All data are considered valid and acceptable except those analytes which have been deemed unusable "R" (unreliable). Due to various QC problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All actions are detailed on the attached sheets.

Several factors should be noted for all persons using this data. Persons using this data should be aware that no result is guaranteed to be accurate even if it has passed all QC tests. The main purpose of this review is to appropriately qualify outliers and to determine whether the results presented meet the specific site/project criteria for data quality and data use.

This data assessment is for four (4) ambient air samples. The samples in this data set were collected March 21, 2012 and delivered to Test America Laboratories located in Knoxville, TN on March 27, 2012. The samples were analyzed for Volatile Organic Analytes via EPA Method TO-15, as specified on the Chain of Custody (COC) documentation that accompanied the samples to the laboratory.

A cross-reference between Field Sample ID and Laboratory Sample ID is located in Table 1 of this report. A copy of definitions that may be used to qualify data results is located in Appendix A of this report. Copies of qualified data result pages are located in Appendix B of this report and a copy of Chain of Custody (COC) documentation associated with sampling event is located in Appendix C.

ORGANIC DATA ASSESSMENT

1. OVERVIEW:

Four (4) air samples were analyzed as per the Chain of Custody (COC) documentation. The samples were analyzed using EPA Method T0-15 from the Compendium of Methods for the Determination of Toxic Compounds in Ambient Air, January, 1999. Proper custody transfer of the samples was documented in the laboratory reports. Cooler temperature was within QC limits. Canister checks were performed prior to analysis. All samples in this data set were properly preserved.

Test America Laboratories generated a stand-alone report for this data set in compliance with the NYS DEC ASP Category B deliverables.

The samples in this data set were analyzed for the TO-15 volatile organic compounds listed in the method.

2. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. After the air sample is collected and identification tag is attached and the canister is transported to the laboratory for analysis. The canister is stored until analysis. Storage times of up to thirty (30) days have been demonstrated for many of the Volatile Organic Compounds.

The samples in this data set were collected March 21, 2012 and received at the laboratory on March 27, 2012. All initial sample analyses and dilution analyses (where necessary) were completed by March 28, 2012.

All samples in this data set were analyzed within the method recommended holding time.

3. SURROGATES:

Samples may be spiked with surrogate compounds prior to sample preparation to evaluate the overall laboratory performance and the efficiency of the analytical technique. If the measured surrogate concentrations are outside the QC limits, qualifiers were applied to the effected samples.

The validation guidelines associated with this method do not specify the use of surrogate compounds. Test America Laboratories fortifies each of the suma canisters with the surrogate compound 4-Bromofluorobenzene prior to sample analysis. The laboratory applied percent recovery limits of +/- 40% (60-140%). The percent recovery of the surrogate met QC criteria in each of the samples reported in this data set.

4. MATRIX SPIKE/SPIKE DUPLICATE, MS/MSD:

The MS/MSD data are generated to determine the long term precision and accuracy of the analytical method in various matrices. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data. The laboratory used the in-house generated recovery criteria and RPD (precision) data for reporting purposes.

Site specific MS/MSD analysis is not associated with this data set.

5. BLANK SPIKE ANALYSIS:

The NY ASP protocol and the cited method require that a blank spike analysis be performed with each sample batch. The blank spike analysis is used to insure that the analytical system is in control. The laboratory applied in-house recovery limits for each analyte. The method requires the analysis of a 10 ppbv fortified sample analysis. Recovery limits of 70%-130% for each LCS target compound. Professional judgment is used to review data associated with the LCS sample results.

The laboratory prepared and analyzed one (1) Check Sample/Laboratory Control Sample with the sample batch. The LCS sample was fortified with each target analyte. The laboratory reported in-house recovery limits for each target analyte. This validator used QC recovery limits of 70-130% for each of the target analytes. The recovery of each analyte was reported on a "CLP Like" Form 3. All percent recoveries met QC criteria with the exception of that listed below:

Date of analysis	Analyte	Recovery (%)
3/27/12	1,4-Dioxane	67

1,4-Dioxane has been qualified "UJ/J" estimated in the samples associated with this check sample analysis.

Qualified data result pages are located in Appendix B of this report.

6. BLANK CONTAMINATION:

Quality assurance (QA) blanks, such as the method, trip, field, or rinse blanks are prepared to identify any contamination that may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field blanks measure cross-contamination of samples during field operations. Samples are then qualified based on blank contamination when detected.

A) Method Blank contamination

One (1) method blank sample is associated with this sample set. The method blank sample was free from contamination of target analytes.

B) Field Blank contamination

A Field Blank sample is not associated with this data set.

C) Trip Blank contamination

A Trip Blank sample is not associated this data set.

ORGANIC DATA ASSESSMENT

7. GC/MS CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument is giving satisfactory daily performance.

The method states that the GC/MS be calibrated at a minimum of five (5) concentrations that span the range of interest. An analytical sequence includes a time frame of twenty-four (24) hours. After each 24 hour period anew analytical sequence is commenced with the analysis of an instrument performance standard and a daily calibration standard. The calculated %RSD of each target analyte must be less than 30% with at most two exceptions up to a limit of 40%. Based on the Region II validation Guidance documents any target analytes with a %RSD greater than 30% have been qualified "UJ/J" estimated.

A review of the individual relative response factor (RRF) is performed. The RRF of each target analyzed must be greater than 0.050. If the RRF is less than 0.050 the data is qualified. Positive detects are qualified "J" estimated. Non-detects are qualified "R" unusable.

One (1) initial calibration analysis is associated with these TO-15 analyses. The laboratory performed an initial multi level calibration using the standards on March 16, 2012 (Inst. GCMS mj.i). The mean response and the %RSD were reported for each of the target compounds. The %RSD and mean response for each of the target compounds met the method criteria in each of these initial calibration curve analyses.

The samples in this data set are associated with two (2) continuing calibration standard analyses. The samples were analyzed on March 27, 2012 and March 28, 2012. Percent (%) deviation of the continuing calibration standard has been calculated for each of the target compounds. The %Difference between the initial and daily standards should be within +/-30%. All target analytes met QC criteria in the continuing calibration standard with the exception of the following:

Date/File ID	Analyte	%Deviation
3/27/2012 jccvc27.d	1,4-Dioxane	32.82

Based on the high %Deviation in the CCV standard this target analyte has been qualified "UJ/J" estimated in each of the samples associated with this CCV analysis.

Qualified data result pages are located in Appendix B of this report.

8. GC/MS MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is Bromofluorobenzene (BFB). If the mass calibration is in error, or missing, all associated data will be classified as unusable, "R".

GC/MS instrument performance must be checked prior to sample analysis. The method specifies that the BFB Instrument Performance Check be analyzed initially and once per twenty-four (24) hour period of operation. All instrument tuning criteria were met for these sample analyses.

ORGANIC DATA ASSESSMENT

9. GC/MS INTERNAL STANDARDS PERFORMANCE:

Internal standard (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every run. EPA Method TO-15 recommends that the internal standard area count must not vary by more than +/- 40% from the associated continuing calibration standard. The method recommends that the retention time of the internal standard must not vary more than ±20 seconds from the associated continuing calibration standard. The EPA CLP validation guidelines state that if the area count is outside the range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified estimated, "J", and all non-detects below 50% are qualified "UJ", non detects above 100% should not be qualified or "R" if there is a severe loss of sensitivity. This QC review policy has been applied to these ambient air analyses.

All samples were fortified with the internal standards Bromochloromethane, 1,4-Difluorobenzene and Chlorobenzene-d5. All internal standard area criteria were met for the samples in this data set.

10. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound, and have an ion spectra which has a ratio of the primary and secondary ion intensities with 20% of that in the standard compound. Target compounds are identified on the GC by using the analytes retention time. Concentration is quantitated from the initial calibration curve.

The samples in this data set were reported in ppb (v/v) and ug/m3. Sample dilution analyses were performed when the concentration of target analytes exceeded the calibration range.

Sample H003-BA-40988 was initially analyzed without dilution on March 28, 2012. The concentration of Ethanol exceeded the calibration range of the GC/MS. This sample was reanalyzed using a 1:10 dilution to report the concentration of Ethanol (380 D ppbv) detected at this sample point.

Sample H003-BA-DUPE-40988 was initially analyzed without dilution on March 28, 2012. The concentration of Ethanol exceeded the calibration range of the GC/MS. This sample was reanalyzed using a 1:10 dilution to report the concentration of Ethanol (310 D ppbv) detected at this sample point.

These two samples are field duplicate samples. A comparison of the field duplicate sample results I s located in Section 11 of this report.

11. FIELD DUPLICATE ANALYSES:

Field duplicate samples are collected and analyzed as an indication of overall precision. These results are expected to have more variability than laboratory duplicate samples. Analytes reported above the reporting limit are listed and compared below. Data was not qualified based on the RPD of field duplicate sample analyses.

Sample H003-BA-40988 was collected in duplicate. Below is a summary of the detected analytes in the field duplicate sample set.

Samples ID: H003-BA-40988 (H2C270406-02)/ H003-BA-DUPE-40988 (H2C270406-04):

Analyte	H003-BA-40988 ppb/v	H003-BA-DUPE-40988 ppb/v	RPD (%)
2-Butanone	1.2	1.5	22.2
2,2,4-Trimethylpentane	0.73	0.57	24.6
Benzene	0.67	0.51	27.1
Carbon tetrachloride	0.11	0.081	30.4**
Chloroform	0.47	0.48	2.10
Cyclohexane	0.41	0.32	24.7
Chloromethane	0.85	0.82	3.59
Dichlorodifluoro-methane (DCDFM)	0.55	0.57	3.57
Ethanol	380 D*	310 D*	20.3
Ethylbenzene	0.28	0.34	19.4
n-hexane	0.86	0.87	1.16
Methylene Chloride	0.23	0.27	16
Tetrachloroethene	0.20	0.16	22.2
Toluene	1.9	1.8	5.41
m,p-Xylene	0.72	1.3	57.4**
o-Xylene	0.20	0.43	73.0**
Trichloroethene	0.042	ND	NC
Trichlorfluoromethane	0.29	0.30	3.39
1,2,4-Trimethylbenzene	ND	0.41	NC
1,2-Dichlorobenzene	ND	0.53	NC
1,3,5-Trimethylbenzene	ND	0.11	NC
1,4-Dichlorobenzene	ND	0.24	NC

*denotes analyte reported from a 1:10 dilution analysis
**denotes RPD greater than 30%
ND denotes Not Detected
NC denotes Not Calculated

A review of the RPD associated with these field duplicate analyses indicates acceptable precision for most target analytes. Based on professional judgment, this validator has applied the "J" estimated qualifier to those analytes in which the RPD was greater than 30. The qualifier has been added to the parent sample and the field duplicate sample.

Qualified data results are located in Appendix B of this report.

ORGANIC DATA ASSESSMENT

12. OVERALL ASSESSMENT:

Analytical QC criteria were met for these analyses. The data reported agrees with the raw data provided in the final report. The laboratory provided a complete data package and reported all data using acceptable protocols and laboratory qualifiers as defined in the report package. Based on this information, this data set is acceptable for use, with the noted data qualifiers.

Qualified data result pages are located in Appendix B of this report.

TABLE 1

CLIENT SAMPLE ID	LABORATORY SAMPLE ID
H003-SS-40988	H2C270406-001
H003-BA-40988	H2C270406-002
H003-OA-40988	H2C270406-003
H003-BA-DUPE-40988	H2C270406-004

APPENDIX A

DATA QUALIFIER DEFINITIONS

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R - The sample results are unreliable/unusable. The presence or absence of the analyte cannot be verified.

K – The analyte is present. The reported value may be biased high. The actual value is expected to be lower than reported.

L - The analyte is present. The reported value may be biased low. The actual value is expected to be higher than reported.

UL – The analyte was not detected, and the reported quantitation limit is probably higher than reported.

APPENDIX B

New York State D.E.C.

Client Sample ID: H003-SS-40988

GC/MS Volatiles

Lot-Sample #	H2C270406 - 001	**Work Order #**	MRLXK1AA	**Matrix.....:**	AIR
Date Sampled...:	03/21/2012	**Date Received..:**	03/27/2012		
Prep Date.....:	03/27/2012	**Analysis Date...**	03/28/2012		
Prep Batch #.....:	2087122				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	**0.083**	**0.080**	**0.63**	**0.61**
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**5.9**	**0.080**	**29**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	**0.38**	**0.080**	**2.3**	**0.48**
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	**1.4**	**0.080**	**6.8**	**0.39**
1,4-Dichlorobenzene	**0.97**	**0.080**	**5.9**	**0.48**
1,4-Dioxane	ND U J	0.20	ND	0.72
2-Butanone (MEK)	**5.3**	**0.32**	**16**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	**0.43**	**0.20**	**2.0**	**0.93**
Benzene	**1.4**	**0.080**	**4.6**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.048**	**0.040**	**0.30**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	**2.9**	**0.080**	**14**	**0.39**
Cyclohexane	**0.55**	**0.20**	**1.9**	**0.69**
Chloromethane	ND	0.20	ND	0.41
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.81**	**0.080**	**4.0**	**0.40**
Ethanol	**7.3**	**0.80**	**14**	**1.5**
Ethylbenzene	**5.6**	**0.080**	**24**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	**1.7**	**0.20**	**6.0**	**0.70**
Hexachlorobutadiene	ND	0.080	ND	0.85
4-Methyl-2-pentanone (MIBK)	**0.51**	**0.20**	**2.1**	**0.82**

New York State D.E.C.

Client Sample ID: H003-SS-40988

GC/MS Volatiles

Lot-Sample # H2C270406 - 001 Work Order # MRLXK1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	0.44	0.20	1.5	0.69
Styrene	0.27	0.080	1.2	0.34
tert-Butyl alcohol	0.62	0.32	1.9	0.97
Tetrachloroethene	0.62	0.080	4.2	0.54
Toluene	16	0.080	59	0.30
m-Xylene & p-Xylene	25	0.080	110	0.35
o-Xylene	7.3	0.080	32	0.35
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	0.71	0.040	3.8	0.21
Trichlorofluoromethane	0.65	0.080	3.6	0.45
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	111	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: H003-BA-40988

GC/MS Volatiles

Lot-Sample #	H2C270406 - 002	**Work Order #**	MRLXM1AA	**Matrix.....:**	AIR
Date Sampled...:	03/21/2012	**Date Received..:**	03/27/2012		
Prep Date.....:	03/27/2012	**Analysis Date...**	03/28/2012		
Prep Batch #.....:	2087122				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND U J	0.20	ND	0.72
2-Butanone (MEK)	**1.2**	**0.32**	**3.5**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	**0.73**	**0.20**	**3.4**	**0.93**
Benzene	**0.67**	**0.080**	**2.1**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.11** J	**0.040**	**0.69**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.47**	**0.080**	**2.3**	**0.39**
Cyclohexane	**0.41**	**0.20**	**1.4**	**0.69**
Chloromethane	**0.85**	**0.20**	**1.8**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.55**	**0.080**	**2.7**	**0.40**
Ethanol	**360 E**	**0.80**	**670 E**	**1.5**
Ethylbenzene	**0.28**	**0.080**	**1.2**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	**0.86**	**0.20**	**3.0**	**0.70**
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: H003-BA-40988

GC/MS Volatiles

Lot-Sample # H2C270406 - 002 Work Order # MRLXM1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	**0.23**	**0.20**	**0.80**	**0.69**
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	**0.20**	**0.080**	**1.3**	**0.54**
Toluene	**1.9**	**0.080**	**7.0**	**0.30**
m-Xylene & p-Xylene	**0.72**	**0.080**	**3.1**	**0.35**
o-Xylene	**0.20**	**0.080**	**0.85**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	**0.042**	**0.040**	**0.22**	**0.21**
Trichlorofluoromethane	**0.29**	**0.080**	**1.6**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	111	60 - 140

Qualifiers

E Estimated result. Result concentration exceeds the calibration range.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: H003-BA-40988

GC/MS Volatiles

Lot-Sample #	H2C270406 - 002	Work Order #	MRLXM2AA	Matrix.....:	AIR
Date Sampled...:	03/21/2012	Date Received..:	03/27/2012		
Prep Date.....:	03/28/2012	Analysis Date...	03/28/2012		
Prep Batch #.....:	2088116				
Dilution Factor.:	10	Method.....:	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Ethanol	380 D	8.0	720 D	15

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	106	60 - 140

Qualifiers

D Result was obtained from the analysis of a dilution.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: H003-OA-40988

GC/MS Volatiles

Lot-Sample #	H2C270406 - 003	**Work Order #**	MRLXN1AA	**Matrix.....:**	AIR
Date Sampled...:	03/21/2012	**Date Received..:**	03/27/2012		
Prep Date.....:	03/27/2012	**Analysis Date...**	03/27/2012		
Prep Batch #.....:	2087122				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**0.12**	**0.080**	**0.57**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	**0.090**	**0.080**	**0.54**	**0.48**
1,4-Dioxane	ND UJ	0.20	ND	0.72
2-Butanone (MEK)	**0.78**	**0.32**	**2.3**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.23**	**0.080**	**0.74**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.069**	**0.040**	**0.43**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.75**	**0.20**	**1.6**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.53**	**0.080**	**2.6**	**0.40**
Ethanol	**18**	**0.80**	**35**	**1.5**
Ethylbenzene	**0.099**	**0.080**	**0.43**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	**0.24**	**0.20**	**0.85**	**0.70**
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: H003-OA-40988

GC/MS Volatiles

Lot-Sample # H2C270406 - 003 Work Order # MRLXN1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	**0.27**	**0.20**	**0.94**	**0.69**
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.91**	**0.080**	**3.4**	**0.30**
m-Xylene & p-Xylene	**0.34**	**0.080**	**1.5**	**0.35**
o-Xylene	**0.13**	**0.080**	**0.58**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	**0.25**	**0.040**	**1.4**	**0.21**
Trichlorofluoromethane	**0.26**	**0.080**	**1.4**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	108	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: H003-BA-DUPE-40988

GC/MS Volatiles

Lot-Sample #	H2C270406 - 004	**Work Order #**	MRLXQ1AA	**Matrix.....:**	AIR
Date Sampled...:	03/21/2012	**Date Received..:**	03/27/2012		
Prep Date.....:	03/27/2012	**Analysis Date...**	03/28/2012		
Prep Batch #.....:	2087122				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**0.41**	**0.080**	**2.0**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	**0.53**	**0.080**	**3.2**	**0.48**
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	**0.11**	**0.080**	**0.55**	**0.39**
1,4-Dichlorobenzene	**0.24**	**0.080**	**1.4**	**0.48**
1,4-Dioxane	ND U J	0.20	ND	0.72
2-Butanone (MEK)	**1.5**	**0.32**	**4.3**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	**0.57**	**0.20**	**2.7**	**0.93**
Benzene	**0.51**	**0.080**	**1.6**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.081** J	**0.040**	**0.51**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.48**	**0.080**	**2.3**	**0.39**
Cyclohexane	**0.32**	**0.20**	**1.1**	**0.69**
Chloromethane	**0.82**	**0.20**	**1.7**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.57**	**0.080**	**2.8**	**0.40**
Ethanol	**370 E**	**0.80**	**690 E**	**1.5**
Ethylbenzene	**0.34**	**0.080**	**1.5**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	**0.87**	**0.20**	**3.1**	**0.70**
Hexachlorobutadiene	ND	0.080	ND	0.85
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82

New York State D.E.C.

Client Sample ID: H003-BA-DUPE-40988

GC/MS Volatiles

Lot-Sample # H2C270406 - 004 **Work Order #** MRLXQ1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	**0.27**	**0.20**	**0.93**	**0.69**
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	**0.16**	**0.080**	**1.1**	**0.54**
Toluene	**1.8**	**0.080**	**6.8**	**0.30**
m-Xylene & p-Xylene	**1.3**	**0.080**	**5.6**	**0.35**
o-Xylene	**0.43**	**0.080**	**1.9**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.30**	**0.080**	**1.7**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	107	60 - 140

Qualifiers

E Estimated result. Result concentration exceeds the calibration range.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: H003-BA-DUPE-40988

GC/MS Volatiles

Lot-Sample #	H2C270406 - 004	**Work Order #**	MRLXQ2AA	**Matrix.....:**	AIR
Date Sampled...:	03/21/2012	**Date Received..:**	03/27/2012		
Prep Date.....:	03/28/2012	**Analysis Date...**	03/28/2012		
Prep Batch #.....:	2088116				
Dilution Factor.:	10	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Ethanol	**310 D**	**8.0**	**580 D**	**15**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	99	60 - 140

Qualifiers

D Result was obtained from the analysis of a dilution.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

APPENDIX C

H2C270406

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

Canister Samples Chain of Custody Record

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	Project Manager: Steve Sussman	Sampled By: Lenny DeMinto	1 of 1 COCs
Company: ENVIROTRAC LTD	Phone: 631 924-3001		
Address: 5 OLD DOCK ROAD	Site Contact:		
City/State/Zip YAPHANK, NY. 11980	TAL Contact:		
Phone: 631-924-3001			
FAX:			
Project Name: Southern BLVD	Analysis Turnaround Time		
Site/location: NYS DEC	Standard (Specify)		
PO #	Rush (Specify)		

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)
H003-SS-40988	3-21-12	9:30	9:24	-30	-4.5	K387	6376	X									X		
H003-BA-40988	↓	9:52	9:50	-29	-5	K262	04733	X							X				
H003-OA-40988		10:07	10:03	-30+	-5.5	K471	92084	X								X			
H003-BA-Dup1-40988	↓	9:53	9:50	-30	-5	K223	1527	X							X	X			

Sampled by: Lenny DeMinto

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

CUSTODY SEAL INTACT
RECEIVED AT AMBIENT TEMP
OKD 3-27-12
400 YES FEDEX # 4501 3068 2973

4 CANS / 4 FLOWS

Special Instructions/QC Requirements & Comments:

Send results and EDD to Steve Sussman

Canisters Shipped by:	Date/Time:	Canisters Received by: 3-27-12 10:00
Samples Relinquished by:	Date/Time: 3/27/12	Received by:
Relinquished by:	Date/Time: 3/23/12 1500	Received by:

Relinquished by: 3/26/12 @ 11:40

Premier Environmental Services

DATA USABILITY SUMMARY REPORT (DUSR)

SOUTHERN BLVD. SITE

TO-15 ANALYSES
IN AIR SAMPLES

TEST AMERICA LABORATORIES, INC.
KNOXVILLE, TN

REPORT NUMBER: H2D120418

June, 2012

Prepared for
EnviroTrac Ltd.
Yaphank, New York

Prepared by
Premier Environmental Services
2815 Covered Bridge Road
Merrick, New York 11566
(516)223-9761

NYS DEC Data Usability Summary Report

DATA VALIDATION FOR:	**Volatile Organic Analyses – EPA Method TO-15**
SITE:	**Southern Site**
CONTRACT LAB:	**Test America Laboratories Knoxville, TN**
LABORATORY REPORT NO.:	**H2D120418**
REVIEWER:	**Renee Cohen**
DATE REVIEW COMPLETED:	**June, 2012**
MATRIX:	**Air**

The samples in this data set were analyzed in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Trace Organic Compounds in Ambient Air (January, 1999). The data validation was performed according to the guidelines in the USEPA National Functional Guidelines for Organic Data Review. Also utilized for this review is the Region II SOP document based on the USEPA CLP SOW-VCAA01.0 (December 1991). This document is for the Validation of Air Samples-Volatile Organic Analysis of Ambient Air in Canister by Method TO-15 (SOP # HW-31, Rev. 4-10/06). In addition, method and QC criteria specified in the NYSDEC ASP documents were cited. All data are considered valid and acceptable except those analytes which have been deemed unusable "R" (unreliable). Due to various QC problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All actions are detailed on the attached sheets.

Several factors should be noted for all persons using this data. Persons using this data should be aware that no result is guaranteed to be accurate even if it has passed all QC tests. The main purpose of this review is to appropriately qualify outliers and to determine whether the results presented meet the specific site/project criteria for data quality and data use.

This data assessment is for three (3) ambient air samples. The samples in this data set were collected April 10, 2012 and delivered to Test America Laboratories located in Knoxville, TN on April 12, 2012. The samples were analyzed for Volatile Organic Analytes via EPA Method TO-15, as specified on the Chain of Custody (COC) documentation that accompanied the samples to the laboratory.

A cross-reference between Field Sample ID and Laboratory Sample ID is located in Table 1 of this report. A copy of definitions that may be used to qualify data results is located in Appendix A of this report. Copies of qualified data result pages are located in Appendix B of this report and a copy of Chain of Custody (COC) documentation associated with sampling event is located in Appendix C.

ORGANIC DATA ASSESSMENT

1. OVERVIEW:

Three (3) air samples were analyzed as per the Chain of Custody (COC) documentation. The samples were analyzed using EPA Method T0-15 from the Compendium of Methods for the Determination of Toxic Compounds in Ambient Air, January, 1999. Proper custody transfer of the samples was documented in the laboratory reports. Cooler temperature was within QC limits. Canister checks were performed prior to analysis. All samples in this data set were properly preserved.

Test America Laboratories generated a stand-alone report for this data set in compliance with the NYS DEC ASP Category B deliverables.

The samples in this data set were analyzed for the TO-15 volatile organic compounds listed in the method.

2. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. After the air sample is collected and identification tag is attached and the canister is transported to the laboratory for analysis. The canister is stored until analysis. Storage times of up to thirty (30) days have been demonstrated for many of the Volatile Organic Compounds.

The samples in this data set were collected April 10, 2012 and received at the laboratory on April 12, 2012. All initial sample analyses and dilution analyses (where necessary) were completed by April 16, 2012.

All samples in this data set were analyzed within the method recommended holding time.

3. SURROGATES:

Samples may be spiked with surrogate compounds prior to sample preparation to evaluate the overall laboratory performance and the efficiency of the analytical technique. If the measured surrogate concentrations are outside the QC limits, qualifiers were applied to the effected samples.

The validation guidelines associated with this method do not specify the use of surrogate compounds. Test America Laboratories fortifies each of the suma canisters with the surrogate compound 4-Bromofluorobenzene prior to sample analysis. The laboratory applied percent recovery limits of +/- 40% (60-140%). The percent recovery of the surrogate met QC criteria in each of the samples reported in this data set.

4. MATRIX SPIKE/SPIKE DUPLICATE, MS/MSD:

The MS/MSD data are generated to determine the long term precision and accuracy of the analytical method in various matrices. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data. The laboratory used the in-house generated recovery criteria and RPD (precision) data for reporting purposes.

Site specific MS/MSD analysis is not associated with this data set.

ORGANIC DATA ASSESSMENT

5. BLANK SPIKE ANALYSIS:

The NY ASP protocol and the cited method require that a blank spike analysis be performed with each sample batch. The blank spike analysis is used to insure that the analytical system is in control. The laboratory applied in-house recovery limits for each analyte. The method requires the analysis of a 10 ppbv fortified sample analysis. Recovery limits of 70%-130% for each LCS target compound. Professional judgment is used to review data associated with the LCS sample results.

The laboratory prepared and analyzed one (1) Check Sample/Laboratory Control Sample with the sample batch. The LCS sample was fortified with each target analyte. The laboratory reported in-house recovery limits for each target analyte. This validator used QC recovery limits of 70-130% for each of the target analytes. The recovery of each analyte was reported on a "CLP Like" Form 3. All percent recoveries met QC criteria with the exception of that listed below:

Date of analysis	Analyte	Recovery (%)
4/16/12	1,2,4-Trichlorobenzene	62

1,2,4-Trichlorobenzene has been qualified "UJ/J" estimated.

Qualified data result pages are located in Appendix B of this report.

6. BLANK CONTAMINATION:

Quality assurance (QA) blanks, such as the method, trip, field, or rinse blanks are prepared to identify any contamination that may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field blanks measure cross-contamination of samples during field operations. Samples are then qualified based on blank contamination when detected.

A) Method Blank contamination

One (1) method blank sample is associated with each sample batch reported in this data set. Each of the method blank samples was free from contamination of target analytes.

B) Field Blank contamination

A Field Blank sample is not associated with this data set.

C) Trip Blank contamination

A Trip Blank sample is not associated this data set.

7. GC/MS CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument is giving satisfactory daily performance.

The method states that the GC/MS be calibrated at a minimum of five (5) concentrations that span the range of interest. An analytical sequence includes a time frame of twenty-four (24) hours. After each 24 hour period anew analytical sequence is commenced with the analysis of an instrument performance standard and a daily calibration standard. The calculated %RSD of each target analyte must be less than 30% with at most two exceptions up to a limit of 40%. Based on the Region II validation Guidance documents any target analytes with a %RSD greater than 30% have been qualified "UJ/J" estimated.

A review of the individual relative response factor (RRF) is performed. The RRF of each target analyzed must be greater than 0.050. If the RRF is less than 0.050 the data is qualified. Positive detects are qualified "J" estimated. Non-detects are qualified "R" unusable.

Two (2) initial calibration analyses are associated with these TO-15 analyses. The laboratory performed an initial multi level calibration using the standards on April 10, 2012 (Inst. GCMS mg.i) and March 16, 2012 (Inst. GCMS mj.i). The mean response and the %RSD were reported for each of the target compounds. The %RSD and mean response for each of the target compounds met the method criteria in each of these initial calibration curve analyses.

The samples in this data set are associated with three (3) continuing calibration standard analyses. The samples were analyzed between April 13, 2012 and April 16, 2012. Percent (%) deviation of the continuing calibration standard has been calculated for each of the target compounds. The %Difference between the initial and daily standards should be within +/-30%. All target analytes met QC criteria in the continuing calibration standard with the exception of the following:

Date/File ID	Analyte	%Deviation
4/13/12/gccvd13.d	ethanol	30.25
	1,2,4-Trichlorobenzene	31.19
4/16/12/jccvd16.d	1,2,4-Trichlorobenzene	38.02

Based on the high %Deviation in the CCV standards these analytes have been qualified "UJ/J" estimated.

Qualified data result pages are located in Appendix B of this report.

8. GC/MS MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is Bromofluorobenzene (BFB). If the mass calibration is in error, or missing, all associated data will be classified as unusable, "R".

GC/MS instrument performance must be checked prior to sample analysis. The method specifies that the BFB Instrument Performance Check be analyzed initially and once per twenty-four (24) hour period of operation. All instrument tuning criteria were met for these sample analyses.

ORGANIC DATA ASSESSMENT

9. GC/MS INTERNAL STANDARDS PERFORMANCE:

Internal standard (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every run. EPA Method TO-15 recommends that the internal standard area count must not vary by more than +/- 40% from the associated continuing calibration standard. The method recommends that the retention time of the internal standard must not vary more than ±20 seconds from the associated continuing calibration standard. The EPA CLP validation guidelines state that if the area count is outside the range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified estimated, "J", and all non-detects below 50% are qualified "UJ", non detects above 100% should not be qualified or "R" if there is a severe loss of sensitivity. This QC review policy has been applied to these ambient air analyses.

All samples were fortified with the internal standards Bromochloromethane, 1,4-Difluorobenzene and Chlorobenzene-d5. All internal standard area criteria were met for the samples in this data set.

10. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound, and have an ion spectra which has a ratio of the primary and secondary ion intensities with 20% of that in the standard compound. Target compounds are identified on the GC by using the analytes retention time. Concentration is quantitated from the initial calibration curve.

The samples in this data set were reported in ppb (v/v) and ug/m3. Sample dilution analyses were performed when the concentration of target analytes exceeded the calibration range.

Sample H-4-BA-41009 was initially analyzed without dilution on April 13, 2012. This sample was did not meet QC criteria. The sample was reanalyzed later in the sequence with a dilution factor of 11.14. The concentration of Ethanol exceeded the calibration range of the GC/MS. This sample was reanalyzed using a 1:39 dilution to report the concentration of Ethanol (900 D ppbv) detected at this sample point.

11. FIELD DUPLICATE ANALYSES:

Field duplicate samples are collected and analyzed as an indication of overall precision. These results are expected to have more variability than laboratory duplicate samples. Analytes reported above the reporting limit are listed and compared below. Data was not qualified based on the RPD of field duplicate sample analyses.

Field duplicate samples are not associated with this data set.

12. OVERALL ASSESSMENT:

Analytical QC criteria were met for these analyses. The data reported agrees with the raw data provided in the final report. The laboratory provided a complete data package and reported all data using acceptable protocols and laboratory qualifiers as defined in the report package. Based on this information, this data set is acceptable for use, with the noted data qualifiers.

Qualified data result pages are located in Appendix B of this report.

TABLE 1

CLIENT SAMPLE ID	LABORATORY SAMPLE ID
H-4-BA-41009	H2D120418-001
H-4-OA-41009	H2D120418-002
H-4-BAZ-41009	H2D120418-003

APPENDIX A

DATA QUALIFIER DEFINITIONS

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R - The sample results are unreliable/unusable. The presence or absence of the analyte cannot be verified.

K – The analyte is present. The reported value may be biased high. The actual value is expected to be lower than reported.

L - The analyte is present. The reported value may be biased low. The actual value is expected to be higher than reported.

UL – The analyte was not detected, and the reported quantitation limit is probably higher than reported.

APPENDIX B

New York State D.E.C.

Client Sample ID: H-4-BA-41009

GC/MS Volatiles

Lot-Sample #	H2D120418 - 001	**Work Order #**	MRX6V1AA	**Matrix.....:**	AIR
Date Sampled...:	04/10/2012	**Date Received..:**	04/12/2012		
Prep Date.....:	04/12/2012	**Analysis Date...**	04/13/2012		
Prep Batch #.....:	2105014				
Dilution Factor.:	11.14	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.89	ND	4.9
1,1,2,2-Tetrachloroethane	ND	0.89	ND	6.1
1,1,2-Trichlorotrifluoroethane	ND	0.89	ND	6.8
1,1,2-Trichloroethane	ND	0.89	ND	4.9
1,1-Dichloroethane	ND	0.89	ND	3.6
1,1-Dichloroethene	ND	0.89	ND	3.5
1,2,4-Trichlorobenzene	ND U J	0.89	ND	6.6
1,2,4-Trimethylbenzene	ND	0.89	ND	4.4
1,2-Dibromoethane (EDB)	ND	0.89	ND	6.8
1,2-Dichlorobenzene	ND	0.89	ND	5.4
1,2-Dichloroethane	ND	0.89	ND	3.6
1,2-Dichloropropane	ND	0.89	ND	4.1
1,3,5-Trimethylbenzene	ND	0.89	ND	4.4
1,4-Dichlorobenzene	**11**	**0.89**	**64**	**5.4**
1,4-Dioxane	ND	2.2	ND	8.0
2-Butanone (MEK)	ND	3.6	ND	11
1,3-Dichlorobenzene	ND	0.89	ND	5.4
2,2,4-Trimethylpentane	ND	2.2	ND	10
Benzene	ND	0.89	ND	2.8
Benzyl chloride	ND	1.8	ND	9.2
Bromodichloromethane	ND	0.89	ND	6.0
Bromoform	ND	0.89	ND	9.2
Bromomethane	ND	0.89	ND	3.5
Carbon tetrachloride	ND	0.45	ND	2.8
Chlorobenzene	ND	0.89	ND	4.1
Chloroethane	ND	0.89	ND	2.4
Chloroform	ND	0.89	ND	4.4
Cyclohexane	ND	2.2	ND	7.7
Chloromethane	ND	2.2	ND	4.6
cis-1,2-Dichloroethene	ND	0.89	ND	3.5
cis-1,3-Dichloropropene	ND	0.89	ND	4.0
Dibromochloromethane	ND	0.89	ND	7.6
Dichlorodifluoromethane	ND	0.89	ND	4.4
Ethanol	**980 E** J	**8.9**	**1900 E**	**17**
Ethylbenzene	ND	0.89	ND	3.9
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.89	ND	6.2
n-Hexane	ND	2.2	ND	7.9
Hexachlorobutadiene	ND	0.89	ND	9.5

New York State D.E.C.

Client Sample ID: H-4-BA-41009

GC/MS Volatiles

Lot-Sample # H2D120418 - 001 **Work Order #** MRX6V1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	2.2	ND	9.1
Methyl tert-butyl ether	ND	1.8	ND	6.4
Methylene chloride	ND	2.2	ND	7.7
Styrene	ND	0.89	ND	3.8
tert-Butyl alcohol	ND	3.6	ND	11
Tetrachloroethene	ND	0.89	ND	6.0
Toluene	**13**	**0.89**	**48**	**3.4**
m-Xylene & p-Xylene	ND	0.89	ND	3.9
o-Xylene	ND	0.89	ND	3.9
trans-1,2-Dichloroethene	ND	0.89	ND	3.5
trans-1,3-Dichloropropene	ND	0.89	ND	4.0
Trichloroethene	ND	0.45	ND	2.4
Trichlorofluoromethane	ND	0.89	ND	5.0
Vinyl chloride	ND	0.89	ND	2.3

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	92	60 - 140

Qualifiers

E Estimated result. Result concentration exceeds the calibration range.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: H-4-BA-41009

GC/MS Volatiles

Lot-Sample #	H2D120418 - 001	**Work Order #**	MRX6V2AA	**Matrix.....:**	AIR
Date Sampled...:	04/10/2012	**Date Received..:**	04/12/2012		
Prep Date.....:	04/13/2012	**Analysis Date...**	04/13/2012		
Prep Batch #.....:	2105015				
Dilution Factor.:	39	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Ethanol	**900 D** J	**31**	**1700 D**	**59**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	96	60 - 140

Qualifiers

D Result was obtained from the analysis of a dilution.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: H-4-OA-41009

GC/MS Volatiles

Lot-Sample # H2D120418 - 002 **Work Order #** MRX651AA **Matrix.....:** AIR

Date Sampled...: 04/10/2012 **Date Received..:** 04/12/2012
Prep Date.....: 04/12/2012 **Analysis Date...** 04/13/2012
Prep Batch #.....: 2105014
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND VJ	0.080	ND	0.59
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	**0.54**	**0.32**	**1.6**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.15**	**0.080**	**0.48**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.066**	**0.040**	**0.42**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.57**	**0.20**	**1.2**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.44**	**0.080**	**2.2**	**0.40**
Ethanol	**5.5**	**0.80**	**10**	**1.5**
Ethylbenzene	ND	0.080	ND	0.35
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: H-4-OA-41009

GC/MS Volatiles

Lot-Sample # H2D120418 - 002 Work Order # MRX651AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.26**	**0.080**	**0.99**	**0.30**
m-Xylene & p-Xylene	**0.12**	**0.080**	**0.52**	**0.35**
o-Xylene	ND	0.080	ND	0.35
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.20**	**0.080**	**1.1**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	100	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: H-4-BA2-41009

GC/MS Volatiles

Lot-Sample #	H2D120418 - 003	**Work Order #**	MRX672AA	**Matrix.....:**	AIR
Date Sampled...:	04/10/2012	**Date Received..:**	04/12/2012		
Prep Date.....:	04/16/2012	**Analysis Date...**	04/16/2012		
Prep Batch #.....:	2107155				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND U J	0.080	ND	0.59
1,2,4-Trimethylbenzene	**0.29**	**0.080**	**1.4**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	**0.20**	**0.080**	**0.80**	**0.32**
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	**0.083**	**0.080**	**0.41**	**0.39**
1,4-Dichlorobenzene	**5.0**	**0.080**	**30**	**0.48**
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	**0.70**	**0.32**	**2.1**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.17**	**0.080**	**0.55**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.068**	**0.040**	**0.43**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.25**	**0.080**	**1.2**	**0.39**
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.55**	**0.20**	**1.1**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.39**	**0.080**	**1.9**	**0.40**
Ethanol	**40**	**0.80**	**76**	**1.5**
Ethylbenzene	**0.23**	**0.080**	**0.98**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70
Hexachlorobutadiene	ND	0.080	ND	0.85

New York State D.E.C.

Client Sample ID: H-4-BA2-41009

GC/MS Volatiles

Lot-Sample # H2D120418 - 003 Work Order # MRX672AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**7.7**	**0.080**	**29**	**0.30**
m-Xylene & p-Xylene	**0.75**	**0.080**	**3.3**	**0.35**
o-Xylene	**0.28**	**0.080**	**1.2**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.19**	**0.080**	**1.1**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	98	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

APPENDIX C

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

1-1201204118

Canister Samples Chain of Custody Record

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	Project Manager: STEVE SUSSMAN	Sampled By: DONNA ESCHRICH / LENNY DARMIENTO	of 1 COCs 2
Company: ENVIROTRAC LTD.	Phone: 631-924-3001		
Address: 5 OLD DOCK RD	Site Contact:		
City/State/Zip YAPHANK, NY	TAL Contact:		
Phone: 631-924-3001 x 144			
FAX: 631-924-3001			
Project Name: SOUTHERN	Analysis Turnaround Time		
Site/location:	Standard (Specify) ✓		
PO #	Rush (Specify)		

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)
H-4-BA-41009	4/10/12	9:33	4:33	-30+	10	K183	6176												
H-4-OA-41009		9:45	4:40	-30+	10	K382	12439												
H-4-BA2-41009	↓	10:20	4:56	-29.5	13	K495	12257												
NOT USED					→	K429	92019												
NOT USED					→	K343	10688												
NOT USED					→	K231	92083												

Sampled by : LENNY DARMIENTO

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

1 Box Rec'd @ Ambient Temp with out custody Seal
SRR 4/12/12
1 Box UPS #
1Z 043 95E 15364109 9
SRR 4/12/12
6 Cans / 6 Flows / 2 Trips / 5 Ambs

Special Instructions/QC Requirements & Comments:

Canisters Shipped by: Donna Eschrech	Date/Time: 4/11/12 @ 11:00 am	Canisters Received by:
Samples Relinquished by:	Date/Time: 4/11/12 / 20:00	Received by: UPS
Relinquished by:	Date/Time:	Received by: 4/12/12 920

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

Canister Samples Chain of Custody Record

1-2D120418

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	**Project Manager:** STEVE SUSSMAN	**Sampled By:** DONNA ESCHRICH / Lenny Darmiento
Company: ENVIROTRAC LTD	**Phone:** 631-924-3001	of 2 COCs
Address: 5 OLD DOCK ROAD	**Site Contact:**	
City/State/Zip: YAPHANK, NY 11980	**TAL Contact:**	
Phone: 631-924-3000 X 144		
FAX: 631-924-5001		
Project Name: #4 SOUTHERN	**Analysis Turnaround Time**	
Site/location:	Standard (Specify) ✓	
PO #	Rush (Specify)	

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)
NOT USED	—	—	—	—	—	K200	—	—	—	—	—								
NOT USED	—	—	—	—	—	K121	—	—	—	—	—								
NOT USED	—	—	—	—	—	K375	—	—	—	—	—								

Sampled by :

	Temperature (Fahrenheit)		
	Interior	Ambient	
Start			
Stop			

	Pressure (inches of Hg)		
	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

Canisters Shipped by: Donna Eschrich	Date/Time: 4/11/12 @ 11:00 am	Canisters Received by:
Samples Relinquished by:	Date/Time: 4/11/12 / 20:00	Received by: UPS
Relinquished by:	Date/Time:	Received by: 4/12/12 920

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT
1095 SOUTHERN BOULEVARD, BRONX, NEW YORK

Client: EnviroTrac Ltd., Yaphank, New York
SDG: H3C070415
Laboratory: Test America, Knoxville, Tennessee
Site: 1095 Southern Boulevard, Bronx, New York
Date: March 26, 2013

EDS ID	Client ID	Laboratory ID	Matrix
1	DAYCARE-IA	H3C070415-001	Air
2	DAYCARE-OA	H3C070415-002	Air
3	FURNATURE STORE-IA	H3C070415-003	Air
4	FURNATURE STORE-SS	H3C070415-004	Air

A Data Usability Summary Review was performed on the analytical data for four air samples collected March 5, 2013 by EnviroTrac at the 1095 Southern Boulevard site in Bronx, New York. The samples were analyzed under "*Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition January 1999, EPA/625/R-96/010B*", Compendium Method TO-15, "*Determination Of Volatile Organic Compounds (VOCs) In Air Collected In Specially-Prepared Canisters And Analyzed By Gas Chromatography/Mass Spectrometry (GC/MS)*".

The data have been evaluated according to the protocols and quality control (QC) requirements of the USEPA Region II Data Review Standard Operating Procedure (SOP) Number HW-31, Revision 4, October 2006: Validating Volatile Organics of Ambient Air on Canisters by Method TO-15, and the reviewer's professional judgment.

Organics

The following items/criteria were reviewed for this report:

- Data Completeness
- Cover letter, Narrative, and Data Reporting Forms
- Canister Certification Blanks
- Canister Certification Pressures Differences
- Chains-of-Custody and Traffic Reports
- Holding Times and sample preservation
- Laboratory Control Sample (LCS) recoveries
- Surrogate Compound Recoveries
- GC/MS Tuning
- Method Blank Contamination
- Initial and Continuing Calibration Summaries

- Compound Quantitation
- Internal Standard (IS) Area Performance
- Field Duplicate Sample Precision

The items listed above were technically and contractually in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

Overall Evaluation of Data and Potential Usability Issues

There were no rejections of data.

Overall the data is acceptable for the intended purposes. Data were not qualified.

Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Cover letter, Narrative, and Data Reporting Forms

- All criteria were met

Canister Certification Blanks

- The batch blank checks were non-detect or < RL except the following.

Blank ID	Compound	Conc. ppbv	Action Level ppbv	Qualifier	Affected Samples
H3C070415 Can #2	Toluene	0.086	0.430	U	2

Canister Certification Pressures Differences

- All criteria were met.

Chains-of-Custody and Traffic Reports

- All criteria were met

Holding Times

- All samples were analyzed within 30 days for air samples.

Laboratory Control Samples

- The LCS samples exhibited acceptable %R values.

Surrogate Compound Recoveries

- All samples exhibited acceptable surrogate recoveries.

GC/MS Tuning

- All criteria were met.

Method Blank

- The method blanks were free of contamination.

Initial Calibration

- The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration

- The continuing calibrations exhibited acceptable %D and/or RRF values.

Compound Quantitation

- EDS Sample IDs # 1 and 4 exhibited ethanol and chloroform over the linear range of the instrument, respectively, and were flagged (E) by the laboratory. The samples were diluted and reanalyzed and the dilution results for these compounds should be used for reporting purposes.

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Field Duplicate Sample Precision

- Field duplicate samples were not analyzed.

All data are valid and usable with qualifications as noted in this review.

Signed: Nancy Weaver Dated: 3/27/13

Nancy Weaver
Senior Chemist

Data Qualifiers

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ = The analyte was not detected above the sample reporting limit; and the reporting limit is approximate.

U = The analyte was analyzed for, but was not detected above the sample reporting limit.

R = The sample results is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified.

New York State D.E.C.

Client Sample ID: DAYCARE-IA

GC/MS Volatiles

Lot-Sample #	H3C070415 - 001	**Work Order #**	M0AH41AA	**Matrix.....:**	AIR
Date Sampled...:	03/05/2013	**Date Received..:**	03/07/2013		
Prep Date.....:	03/07/2013	**Analysis Date...**	03/07/2013		
Prep Batch #.....:	3067015				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**0.26**	**0.080**	**1.3**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	**0.13**	**0.080**	**0.53**	**0.32**
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	**0.23**	**0.080**	**1.4**	**0.48**
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	**0.36**	**0.32**	**1.1**	**0.94**
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**1.5**	**0.080**	**4.8**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.094**	**0.040**	**0.59**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	**0.33**	**0.080**	**1.6**	**0.39**
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.76**	**0.20**	**1.6**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.16**	**0.080**	**0.79**	**0.40**
Ethanol 1700	~~740 E~~	40 ~~0.80~~	3200 ~~1400 E~~	75 ~~1.5~~
Ethylbenzene	**0.12**	**0.080**	**0.53**	**0.35**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70
Hexachlorobutadiene	ND	0.080	ND	0.85

NW 3/26/13

New York State D.E.C.

Client Sample ID: DAYCARE-IA

GC/MS Volatiles

Lot-Sample # H3C070415 - 001 **Work Order #** M0AH41AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	**0.10**	**0.080**	**0.44**	**0.34**
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**1.4**	**0.080**	**5.4**	**0.30**
m-Xylene & p-Xylene	**0.30**	**0.080**	**1.3**	**0.35**
o-Xylene	**0.13**	**0.080**	**0.58**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.21**	**0.080**	**1.2**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	105	60 - 140

Qualifiers

E Estimated result. Result concentration exceeds the calibration range.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

NW 3/26/13

New York State D.E.C.

Client Sample ID: DAYCARE-IA

GC/MS Volatiles

Lot-Sample #	H3C070415 - 001	**Work Order #**	M0AH42AA	**Matrix.....:**	AIR
Date Sampled...:	03/05/2013	**Date Received..:**	03/07/2013		
Prep Date.....:	03/08/2013	**Analysis Date...**	03/08/2013		
Prep Batch #.....:	3067050				
Dilution Factor.:	50	**Method.....:**	TO-15		

use original results

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Ethanol	1700 D	40	3200 D	75

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	105	60 - 140

Qualifiers

D Result was obtained from the analysis of a dilution.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

NW 3/26/13

2

New York State D.E.C.

Client Sample ID: DAYCARE-OA

GC/MS Volatiles

Lot-Sample # H3C070415 - 002 **Work Order #** M0AH51AA **Matrix.....:** AIR

Date Sampled...: 03/05/2013 **Date Received..:** 03/07/2013
Prep Date.....: 03/07/2013 **Analysis Date...** 03/07/2013
Prep Batch #.....: 3067015
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**0.26**	**0.080**	**1.3**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.19**	**0.080**	**0.60**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.081**	**0.040**	**0.51**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.59**	**0.20**	**1.2**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.35**	**0.080**	**1.8**	**0.40**
Ethanol	**5.2**	**0.80**	**9.7**	**1.5**
Ethylbenzene	ND	0.080	ND	0.35
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70
Hexachlorobutadiene	ND	0.080	ND	0.85

NW 3/26/13

2

New York State D.E.C.

Client Sample ID: DAYCARE-OA

GC/MS Volatiles

Lot-Sample # H3C070415 - 002 **Work Order #** M0AH51AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	**0.65**	**0.20**	**2.2**	**0.69**
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.32 B U**	**0.080**	**1.2 B U**	**0.30**
m-Xylene & p-Xylene	**0.18**	**0.080**	**0.78**	**0.35**
o-Xylene	**0.087**	**0.080**	**0.38**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.22**	**0.080**	**1.2**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	103	60 - 140

Qualifiers

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

NW 3/26/13

3

New York State D.E.C.

Client Sample ID: FURNATURE STORE-IA

GC/MS Volatiles

Lot-Sample #	H3C070415 - 003	**Work Order #**	M0AH61AA	**Matrix.....:**	AIR
Date Sampled...:	03/05/2013	**Date Received..:**	03/07/2013		
Prep Date.....:	03/07/2013	**Analysis Date...**	03/07/2013		
Prep Batch #.....:	3067015				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
1,1,2-Trichloroethane	ND	0.080	ND	0.44
1,1-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,2,4-Trimethylbenzene	**0.18**	**0.080**	**0.88**	**0.39**
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dioxane	ND	0.20	ND	0.72
2-Butanone (MEK)	ND	0.32	ND	0.94
1,3-Dichlorobenzene	ND	0.080	ND	0.48
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
Benzene	**0.32**	**0.080**	**1.0**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Bromodichloromethane	ND	0.080	ND	0.54
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.085**	**0.040**	**0.54**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Cyclohexane	ND	0.20	ND	0.69
Chloromethane	**0.60**	**0.20**	**1.2**	**0.41**
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Dibromochloromethane	ND	0.080	ND	0.68
Dichlorodifluoromethane	**0.17**	**0.080**	**0.82**	**0.40**
Ethanol	**15**	**0.80**	**28**	**1.5**
Ethylbenzene	ND	0.080	ND	0.35
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
n-Hexane	ND	0.20	ND	0.70
Hexachlorobutadiene	ND	0.080	ND	0.85

NW 3/26/13

New York State D.E.C.

3

Client Sample ID: FURNATURE STORE-IA

GC/MS Volatiles

Lot-Sample # H3C070415 - 003 **Work Order #** M0AH61AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Methyl tert-butyl ether	ND	0.16	ND	0.58
Methylene chloride	ND	0.20	ND	0.69
Styrene	ND	0.080	ND	0.34
tert-Butyl alcohol	ND	0.32	ND	0.97
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.49**	**0.080**	**1.8**	**0.30**
m-Xylene & p-Xylene	**0.24**	**0.080**	**1.0**	**0.35**
o-Xylene	**0.097**	**0.080**	**0.42**	**0.35**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
Trichloroethene	ND	0.040	ND	0.21
Trichlorofluoromethane	**0.19**	**0.080**	**1.1**	**0.45**
Vinyl chloride	ND	0.080	ND	0.20

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	102	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

NW 3/26/13

4

New York State D.E.C.

Client Sample ID: FURNATURE STORE-SS

GC/MS Volatiles

Lot-Sample #	H3C070415 - 004	**Work Order #**	M0AH71AA	**Matrix.....:**	AIR
Date Sampled...:	03/05/2013	**Date Received..:**	03/07/2013		
Prep Date.....:	03/07/2013	**Analysis Date...**	03/07/2013		
Prep Batch #.....:	3067015				
Dilution Factor.:	5	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,1,1-Trichloroethane	ND	0.40	ND	2.2
1,1,2,2-Tetrachloroethane	ND	0.40	ND	2.7
1,1,2-Trichlorotrifluoroethane	ND	0.40	ND	3.1
1,1,2-Trichloroethane	ND	0.40	ND	2.2
1,1-Dichloroethane	ND	0.40	ND	1.6
1,1-Dichloroethene	ND	0.40	ND	1.6
1,2,4-Trichlorobenzene	ND	0.40	ND	3.0
1,2,4-Trimethylbenzene	**0.61**	**0.40**	**3.0**	**2.0**
1,2-Dibromoethane (EDB)	ND	0.40	ND	3.1
1,2-Dichlorobenzene	ND	0.40	ND	2.4
1,2-Dichloroethane	ND	0.40	ND	1.6
1,2-Dichloropropane	ND	0.40	ND	1.8
1,3,5-Trimethylbenzene	ND	0.40	ND	2.0
1,4-Dichlorobenzene	**3.3**	**0.40**	**20**	**2.4**
1,4-Dioxane	ND	1.0	ND	3.6
2-Butanone (MEK)	ND	1.6	ND	4.7
1,3-Dichlorobenzene	ND	0.40	ND	2.4
2,2,4-Trimethylpentane	ND	1.0	ND	4.7
Benzene	ND	0.40	ND	1.3
Benzyl chloride	ND	0.80	ND	4.1
Bromodichloromethane	**1.3**	**0.40**	**8.9**	**2.7**
Bromoform	ND	0.40	ND	4.1
Bromomethane	ND	0.40	ND	1.6
Carbon tetrachloride	**0.45**	**0.20**	**2.8**	**1.3**
Chlorobenzene	ND	0.40	ND	1.8
Chloroethane	ND	0.40	ND	1.1
Chloroform 94	~~89 E~~	1.1 ~~0.40~~	460 ~~430 E~~	5.2 ~~2.0~~
Cyclohexane	ND	1.0	ND	3.4
Chloromethane	ND	1.0	ND	2.1
cis-1,2-Dichloroethene	ND	0.40	ND	1.6
cis-1,3-Dichloropropene	ND	0.40	ND	1.8
Dibromochloromethane	ND	0.40	ND	3.4
Dichlorodifluoromethane	**0.49**	**0.40**	**2.4**	**2.0**
Ethanol	ND	4.0	ND	7.5
Ethylbenzene	ND	0.40	ND	1.7
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.40	ND	2.8
n-Hexane	ND	1.0	ND	3.5
Hexachlorobutadiene	ND	0.40	ND	4.3

NW 3/26/13

4

New York State D.E.C.

Client Sample ID: FURNATURE STORE-SS

GC/MS Volatiles

Lot-Sample # H3C070415 - 004 **Work Order #** M0AH71AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
4-Methyl-2-pentanone (MIBK)	ND	1.0	ND	4.1
Methyl tert-butyl ether	ND	0.80	ND	2.9
Methylene chloride	ND	1.0	ND	3.5
Styrene	ND	0.40	ND	1.7
tert-Butyl alcohol	ND	1.6	ND	4.9
Tetrachloroethene	**7.6**	**0.40**	**52**	**2.7**
Toluene	**1.5**	**0.40**	**5.7**	**1.5**
m-Xylene & p-Xylene	**1.1**	**0.40**	**4.7**	**1.7**
o-Xylene	**0.41**	**0.40**	**1.8**	**1.7**
trans-1,2-Dichloroethene	ND	0.40	ND	1.6
trans-1,3-Dichloropropene	ND	0.40	ND	1.8
Trichloroethene	**0.26**	**0.20**	**1.4**	**1.1**
Trichlorofluoromethane	ND	0.40	ND	2.2
Vinyl chloride	ND	0.40	ND	1.0

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	101	60 - 140

Qualifiers

E Estimated result. Result concentration exceeds the calibration range.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

NW 3/26/13

4

New York State D.E.C.

Client Sample ID: FURNATURE STORE-SS

GC/MS Volatiles

Lot-Sample #	H3C070415 - 004	**Work Order #**	M0AH72AA	**Matrix.....:**	AIR
Date Sampled...:	03/05/2013	**Date Received..:**	03/07/2013		
Prep Date.....:	03/08/2013	**Analysis Date...**	03/08/2013		
Prep Batch #.....:	3067050				
Dilution Factor.:	13.35	**Method.....:**	TO-15		

use original results

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chloroform	94 D	1.1	460 D	5.2

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	102	60 - 140

Qualifiers

D Result was obtained from the analysis of a dilution.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

NW 3/26/13