PRECISION
ENVIRONMENTAL SERVICES, INC.
831 RT. 67, LOT 38 A
BALLSTON SPA, NY 12020
TEL: 518-885-4399
FAX: 518-885-4416
CERTIFIED WOMEN-OWNED BUSINESS ENTERPRISE

20 YEARS
1991 - 2011

Via Electronic Mail: LJAlden@gw.dec.state.ny.us

September 4, 2014

Mr. Larry Alden, P.E.
Environmental Engineer 2
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway, 12th Floor
Albany, NY 12233-7013

Re: Groundwater Monitoring and Remedial Status Report
Dambrose Cleaners
1517 Van Vranken Avenue
Schenectady, New York
NYS DEC Site No.: 447030

Dear Mr. Alden:

This letter serves as the status report for groundwater monitoring and ongoing remediation conducted at the above referenced site during the time period of May 2013 – June 2014. Groundwater monitoring conducted on August 23, 2013 consisted of gauging and sampling accessible monitoring wells associated with the site for analysis by EPA Method 8260 B. Remedial efforts during the monitoring period consisted of monitoring and maintaining a soil vapor extraction (SVE) system that has been in operation at the site since January 2011.

1.0 Well Gauging and Groundwater Gradient Determination:
PES personnel recorded the water level in nine monitoring wells (MW-1R, MW-2R, MW-3, MW-4, MW-6, MW-7, MW-9, and MW-10) during the April monitoring event to determine the depth to groundwater at each location. The documented depth to groundwater measurements in surveyed wells ranged from 1.93 feet (MW-4) to 7.90 feet (MW-1R).

The depth to groundwater data from each surveyed monitoring well was utilized to calculate the groundwater elevations at each respective location. The groundwater elevations in the gauged wells during the monitoring event ranged from 185.48 feet (MW-6) to 195.50 (MW-3). The groundwater gauging and elevation data is presented in the attached Table 1 (Summary of Groundwater Gauging and Elevation Data.

2.0 Groundwater Sampling Protocols and Laboratory Analysis Results:
In addition to determining the depth to groundwater, select monitoring wells were purged of a minimum of three well volumes by manual repetitive bailing, allowed to re-charge to equilibration, and sampled. All samples were obtained by aseptic techniques, secured in clean laboratory supplied glassware, labeled, and placed on iced storage for subsequent submission under chain of custody to the NYS DEC contract laboratory, Test America of Buffalo, NY to be analyzed via EPA Method 8260 B.

As the attached Table 2 (Summary of Groundwater Analytical Results) indicates, constituents of concern, including Tetrachloroethene and its daughter compounds Trichloroethene, cis-

1,2-Dichloroethen and Vinyl Chloride, were found in five monitoring wells (MW-1R, MW-2R, MW-4, and MW-6) three of which (MW-1R, MW-2R and MW-6) were at concentrations that exceeded the standards established in the NYSDEC - *Division of Water Resources, Classes, and Quality Standards for Groundwater*, Chapter 10 of Title 6, Article 2, Part 703.5. The data from the sampling event also indicates that the Tetrachloroethene contaminant plume is generally limited to the Dambrose Cleaners site and properties located immediately down gradient. A copy of the laboratory analytical report for the collected samples is included in Attachment 1.

3.0 Soil Vapor Extraction Status:
The purpose of the SVE system at this site is to mitigate the adsorbed contaminant mass documented within the vadose zone below the site and capture fugitive VOCs. The vacuum and negative airflow induced by the SVE blower draws the contaminant mass located within the vadose zone upward to the horizontal SVE lines. Following extraction by the SVE blower, the raw recovered vapor is then discharged to the atmosphere. Currently, no method of off-gas treatment has been applied.

The SVE system was deactivated for a brief period of time during February 2014 due to high output pressure. While it could not be confirmed it is believed that condensation in the discharge pipe froze and created enough back pressure to shut the system down. Aside from this unexpected shut down the system operated as intended throughout the monitoring period described in this report.

Regular SVE system operation and maintenance (O&M) visits have been performed during the monitoring period. During the O&M visits, field screening of the SVE effluent air stream was performed and recorded via photo-ionization detector (PID) analysis. The maximum hydrocarbon concentration detected within the SVE effluent air stream during the current monitoring period was 900 parts per billion (ppb). A summary of the SVE effluent concentrations recorded during the monitoring period is included in the attached Table 3 (SVE System Removal Summary).

In addition to field screening, samples of the influent and effluent SVE system airstreams and effluent airstream of the sub slab depressurization system (SSDS) were collected on August 23, 2013. All samples were obtained by aseptic techniques, secured in tedlar bags provided by the analytical laboratory, labeled, and submitted under chain of custody to Pace Analytical Labs, in Schenectady, NY to be analyzed via EPA Method TO-15. As indicated in the attached Table 4 (Summary of VOCs in System Air Analytical Results) several VOCs, including Tetrachloroethene, were detected within the collected samples. According to the data the most significant concentration of VOCs were originating from the northernmost trench of the SVE system (SVE-3). This is consistent with previously collected data. A copy of the laboratory analytical report for the collected samples is included in Attachment 1.

4.0 Conclusions/Recommendations:
PES has been conducting routine O&M at the former Dambrose Cleaners site which included SVE air sampling via EPA method TO-15 and groundwater sampling and analysis via EPA method 8260 on August 23, 2013 respectively. Concentrations of Tetrachloroethene (PCE) in groundwater continue to fluctuate however a downward trend is present in data included on Table 5. Routine monitoring and air sampling conducted of the remedial system does indicate that the system continues to process contaminant mass.

In order to continue to address the documented VOC contamination at the site, monitor the reduction in contaminant concentrations at the site, and prevent the migration of these impacts to down gradient locations, PES recommends further operation of the soil vapor extraction system and routine groundwater monitoring.

If you have any questions or comments regarding the above information, please contact the undersigned at (518) 885-4399.

Sincerely,
PRECISION ENVIRONMENTAL SERVICES, INC.

Peter R. Scharfschwerdt
Geologist

Stephen M. Phelps
Project Manager

Attachments

TABLES

TABLE - 1

Summary of Groundwater Gauging and Elevation Data

Dambrose Cleaners
1517 Van Vranken Avenue
Schenectady, NY

Monitoring Well ID	Top of Casing Elevation	Depth to Water From Top of Casing	Watertable Elevation
		8/23/2013	
MW-1R	200.07	7.90	192.17
MW-2R	199.56	7.59	191.97
MW-3	202.91	7.41	195.50
MW-4	193.47	1.93	191.54
MW-5	197.78	6.89	190.89
MW-6	191.10	5.62	185.48
MW-7	195.04	4.45	190.59
MW-8	190.43	-	-
MW-9	190.99	5.30	185.69
MW-10	191.17	5.29	185.88
MW-11	200.13	-	-

All Values are expressed in feet
Survey data courtesy of NYS DEC and performed by PES

TABLE - 2

Summary of Groundwater Analytical Results

Dambrose Cleaners
1517 Van Vranken Avenue
Schenectady, NY

Parameter (EPA METHOD 8260B)	MONITORING WELL/SAMPLE IDENTIFICATION								NYS DEC Groundwater Standards
	MW-1R	MW-2R	DUPLICATE (MW-2R)	MW-3	MW-4	MW-6	MW-7	MW-10	
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	10
1,1,2,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	0.7
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	5
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	5
Acetone	ND	ND	ND	ND	ND	**3.4 J**	ND	ND	-
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	0.7
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	5
Carbon disulfide	ND	ND	ND	ND	ND	**0.63 J**	ND	**0.31 J**	60
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	5
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	5
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	5
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	7
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	-
cis-1,2-Dichloroethene	**8.6**	**22.0**	**22.0**	ND	**3.9**	**27**	ND	ND	5
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	0.4
Cyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	-
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5
MTBE	ND	ND	ND	ND	ND	ND	ND	ND	10
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	5
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	5
Tetrachloroethene	**0.55 J**	**270**	**240**	ND	**3.7**	ND	ND	ND	5
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	5
Trichlorofloromethane	ND	ND	ND	ND	ND	ND	ND	ND	5
Trichloroethene	ND	**18**	**16**	ND	**1.2**	ND	ND	ND	5
Vinyl chloride	**12**	ND	ND	ND	ND	ND	ND	ND	2
m & p - Xylene	ND	ND	ND	ND	ND	ND	ND	ND	5
o-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	5
Xylenes (Total)	ND	ND	ND	ND	ND	ND	ND	ND	5
Total Compounds	**20.6**	**310**	**278**	**ND**	**8.8**	**27**	**ND**	**ND**	

Samples collected on August 23, 2013
All Values are Reported in ug/L (parts per billion - ppb)
ND = Not Detected
J - Result is less than the RL but greater than or equal to the MDL. Concentration is an approximate value.
Analytical Facility - Test America - Buffalo
Highlighted values equal or exceed NYSDEC groundwater standards.

TABLE - 3

SVE System Removal Summary

Dambrose Cleaners
1517 Van Vranken Avenue
Schenectady, NY

Date	SVE Effluent Vapor Concentration* (ppb)	Air Flow (SCFM)
1/10/2011	650	96.00
1/11/2011	700	94.78
1/12/2011	1067	93.00
1/13/2011	750	94.82
1/14/2011**	1300	94.07
1/28/2011	400	94.59
2/18/2011	930	91.75
3/4/2011	206	95.10
3/18/2011	121	91.33
4/1/2011	174	92.25
4/15/2011	700	93.36
5/20/2011	340	88.63
6/22/2011	810	87.89
7/27/2011	847	85.66
9/8/2012**	-	-
10/7/2011	1200	92.86
11/1/2011	284	94.14
12/14/2011	0	95.47
1/16/2012	500	94.91
1/30/2012	200	95.53
2/21/2012	400	99.21
3/15/2012	0	96.92
4/9/2012	400	93.81
5/24/2012	414	89.05
6/11/2013	144	88.43
7/2/2013	-	88.39
8/23/2013	358	88.36
9/20/2013	217	88.74
10/24/2013	0	91.17
11/22/2013	131	95.16
12/30/2013	110	96.03
1/27/2014	200	95.70
3/7/2014	0	100.03
4/4/2014	0	94.14
5/12/2014	200	91.71
6/3/2014	185	89.52

* = As determined in field PID screening of airstream

** = System shutdown

TABLE - 4
Summary of VOCs in System Air Analytical Results

Dambrose Cleaners
1517 Van Vranken Avenue
Schenectady, NY

Parameter (Method TO-15)	SAMPLE IDENTIFICATION				
	SVE-1	**SVE-2**	**SVE-3**	**SVE Exhaust**	**SSDS System**
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	ND	ND	ND	ND	ND
2-Propanol	**53.5**	ND	**231**	**94.9**	**124**
2-Butanone (MEK)	**45.6**	ND	ND	ND	ND
Acetone	**46.6**	**95.1**	**84.5**	ND	**55.5**
Benzene	ND	ND	ND	ND	ND
Cyclohexane	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND
Ethyl Acetate	ND	ND	ND	ND	**82.4**
m&p Xylene	ND	ND	ND	ND	ND
Methylene Chloride	**118**	**166**	**283**	ND	**142**
n-Heptane	ND	ND	ND	ND	ND
n-Hexane	ND	ND	ND	ND	ND
o-Xylene	ND	ND	ND	ND	ND
Tetrachloroethene	**445**	**373**	**841**	**1750**	**779**
Toluene	**256**	ND	ND	ND	ND
Total Compounds	**964.70**	**634.10**	**1,439.50**	**1,844.90**	**1,182.90**

Samples collected on August 23, 2013
All Values are Reported in ug/m3
ND = Not Detected
Only parameters with detections summarized
Analytical Facility - Pace Analytical Laboratory, Inc. Schenectady, New York

TABLE - 5
PCE in Groundwater Over Time

Date	Monitoring Point		
	MW-1R	MW-2R	MW-4
5/6/2011	0.8	360	2
4/9/2012	0	6.5	2.6
8/23/2013	0.55	270	3.7

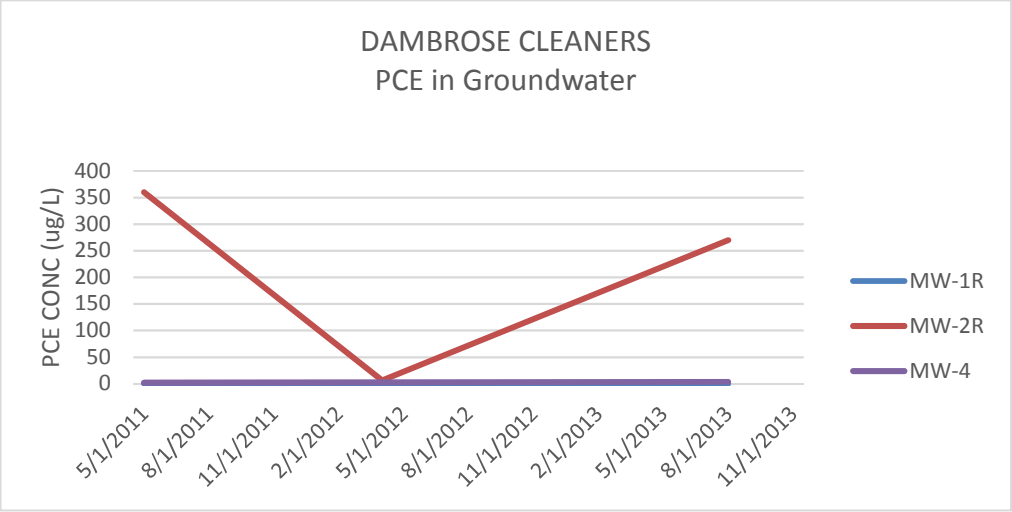
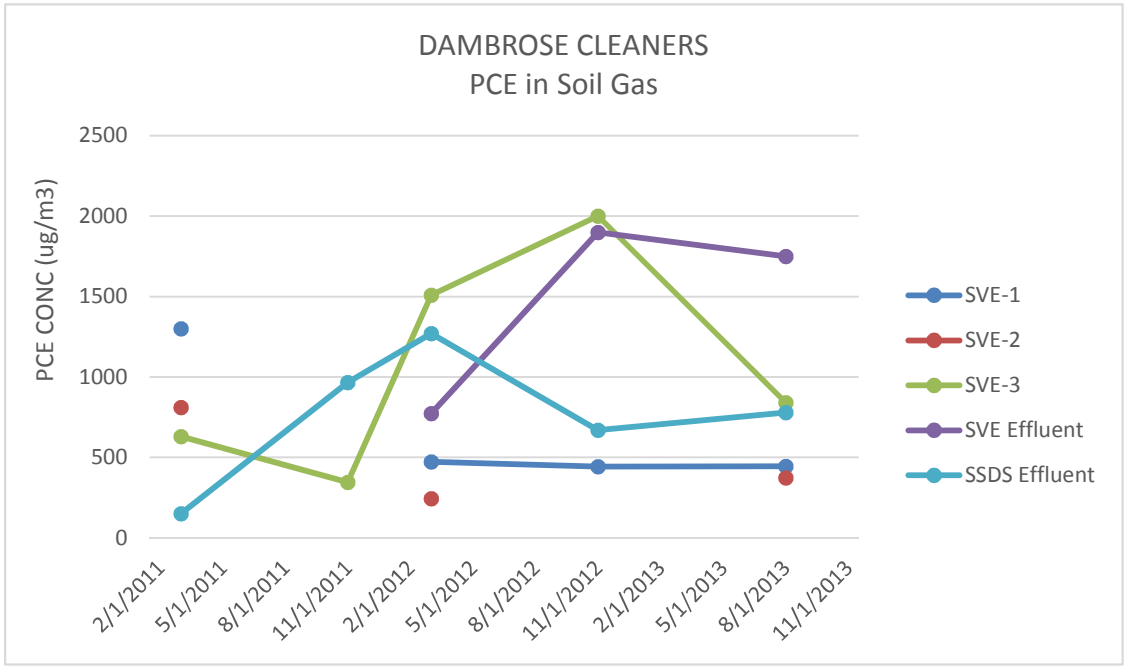


TABLE - 6
PCE in Soil Vapor Over Time

Date	Monitoring Point				
	SVE-1	SVE-2	SVE-3	SVE Effluent	SSDS Effluent
3/18/2011	1300	810	630		150
11/1/2011			345		965
3/15/2012	473	243	1510	772	1270
11/29/2012	443		2000	1900	669
8/23/2013	445	373	841	1750	779



ATTACHMENT - 1

Laboratory Analytical Report

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-44654-1
Client Project/Site: Dambrose Cleaners #447030

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233-3256

Attn: Larry Alden

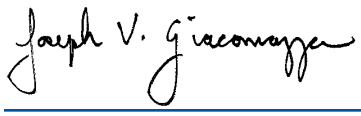
Joseph V. Giacomazza

Authorized for release by:
9/6/2013 2:29:16 PM
Joe Giacomazza, Project Administrator
joe.giacomazza@testamericainc.com

Designee for

Sally Hoffman, Project Manager II
sally.hoffman@testamericainc.com

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Joe Giacomazza
Project Administrator
9/6/2013 2:29:16 PM

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: New York State D.E.C.
Project/Site: Dambrose Cleaners #447030

TestAmerica Job ID: 480-44654-1

Job ID: 480-44654-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-44654-1

Receipt
The samples were received on 8/28/2013 2:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.9º C.

GC/MS VOA
Method(s) 8260B: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: Duplicate (480-44654-8), MW-2R (480-44654-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The laboratory control sample (LCS) for batch 137405 recovered outside control limits for the following analyte(s): Dichlorodifluoromethane. Dichlorodifluoromethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method(s) 8260B: The laboratory control sample (LCS) for batch 137330 recovered outside control limits for the following analyte(s): Dichlorodifluoromethane. Dichlorodifluoromethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

No other analytical or quality issues were noted.

Client: New York State D.E.C.
Project/Site: Dambrose Cleaners #447030

TestAmerica Job ID: 480-44654-1

Client Sample ID: MW-6
Date Collected: 08/23/13 09:20
Date Received: 08/28/13 02:00

Lab Sample ID: 480-44654-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/04/13 14:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/04/13 14:26	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/04/13 14:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/04/13 14:26	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/04/13 14:26	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/04/13 14:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/04/13 14:26	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/04/13 14:26	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/04/13 14:26	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/04/13 14:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/04/13 14:26	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/04/13 14:26	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/04/13 14:26	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/04/13 14:26	1
2-Hexanone	ND		5.0	1.2	ug/L			09/04/13 14:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/04/13 14:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/04/13 14:26	1
Acetone	**3.4**	**J**	10	3.0	ug/L			09/04/13 14:26	1
Benzene	ND		1.0	0.41	ug/L			09/04/13 14:26	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/04/13 14:26	1
Bromoform	ND		1.0	0.26	ug/L			09/04/13 14:26	1
Bromomethane	ND		1.0	0.69	ug/L			09/04/13 14:26	1
Carbon disulfide	**0.63**	**J**	1.0	0.19	ug/L			09/04/13 14:26	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/04/13 14:26	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/04/13 14:26	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/04/13 14:26	1
Chloroethane	ND		1.0	0.32	ug/L			09/04/13 14:26	1
Chloroform	ND		1.0	0.34	ug/L			09/04/13 14:26	1
Chloromethane	ND		1.0	0.35	ug/L			09/04/13 14:26	1
cis-1,2-Dichloroethene	**27**		1.0	0.81	ug/L			09/04/13 14:26	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/04/13 14:26	1
Cyclohexane	ND		1.0	0.18	ug/L			09/04/13 14:26	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/04/13 14:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/04/13 14:26	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/04/13 14:26	1
Methyl acetate	ND		1.0	0.50	ug/L			09/04/13 14:26	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/04/13 14:26	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/04/13 14:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/04/13 14:26	1
Styrene	ND		1.0	0.73	ug/L			09/04/13 14:26	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/04/13 14:26	1
Toluene	ND		1.0	0.51	ug/L			09/04/13 14:26	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/04/13 14:26	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/04/13 14:26	1
Trichloroethene	ND		1.0	0.46	ug/L			09/04/13 14:26	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/04/13 14:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/04/13 14:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/04/13 14:26	1

Client: New York State D.E.C.
Project/Site: Dambrose Cleaners #447030

TestAmerica Job ID: 480-44654-1

Client Sample ID: MW-6
Date Collected: 08/23/13 09:20
Date Received: 08/28/13 02:00

Lab Sample ID: 480-44654-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		66 - 137		09/04/13 14:26	1
Toluene-d8 (Surr)	94		71 - 126		09/04/13 14:26	1
4-Bromofluorobenzene (Surr)	90		73 - 120		09/04/13 14:26	1

Client: New York State D.E.C.
Project/Site: Dambrose Cleaners #447030

TestAmerica Job ID: 480-44654-1

Client Sample ID: MW-10
Date Collected: 08/23/13 09:45
Date Received: 08/28/13 02:00

Lab Sample ID: 480-44654-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/04/13 14:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/04/13 14:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/04/13 14:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/04/13 14:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/04/13 14:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/04/13 14:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/04/13 14:51	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/04/13 14:51	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/04/13 14:51	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/04/13 14:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/04/13 14:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/04/13 14:51	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/04/13 14:51	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/04/13 14:51	1
2-Hexanone	ND		5.0	1.2	ug/L			09/04/13 14:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/04/13 14:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/04/13 14:51	1
Acetone	ND		10	3.0	ug/L			09/04/13 14:51	1
Benzene	ND		1.0	0.41	ug/L			09/04/13 14:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/04/13 14:51	1
Bromoform	ND		1.0	0.26	ug/L			09/04/13 14:51	1
Bromomethane	ND		1.0	0.69	ug/L			09/04/13 14:51	1
Carbon disulfide	**0.31**	**J**	1.0	0.19	ug/L			09/04/13 14:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/04/13 14:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/04/13 14:51	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/04/13 14:51	1
Chloroethane	ND		1.0	0.32	ug/L			09/04/13 14:51	1
Chloroform	ND		1.0	0.34	ug/L			09/04/13 14:51	1
Chloromethane	ND		1.0	0.35	ug/L			09/04/13 14:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/04/13 14:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/04/13 14:51	1
Cyclohexane	ND		1.0	0.18	ug/L			09/04/13 14:51	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/04/13 14:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/04/13 14:51	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/04/13 14:51	1
Methyl acetate	ND		1.0	0.50	ug/L			09/04/13 14:51	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/04/13 14:51	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/04/13 14:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/04/13 14:51	1
Styrene	ND		1.0	0.73	ug/L			09/04/13 14:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/04/13 14:51	1
Toluene	ND		1.0	0.51	ug/L			09/04/13 14:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/04/13 14:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/04/13 14:51	1
Trichloroethene	ND		1.0	0.46	ug/L			09/04/13 14:51	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/04/13 14:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/04/13 14:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/04/13 14:51	1

Client: New York State D.E.C.
Project/Site: Dambrose Cleaners #447030

TestAmerica Job ID: 480-44654-1

Client Sample ID: MW-10
Date Collected: 08/23/13 09:45
Date Received: 08/28/13 02:00

Lab Sample ID: 480-44654-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*121*		*66 - 137*		*09/04/13 14:51*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*		*09/04/13 14:51*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/04/13 14:51*	*1*

Client: New York State D.E.C.
Project/Site: Dambrose Cleaners #447030

TestAmerica Job ID: 480-44654-1

Client Sample ID: MW-7
Date Collected: 08/23/13 10:35
Date Received: 08/28/13 02:00

Lab Sample ID: 480-44654-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/04/13 15:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/04/13 15:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/04/13 15:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/04/13 15:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/04/13 15:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/04/13 15:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/04/13 15:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/04/13 15:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/04/13 15:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/04/13 15:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/04/13 15:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/04/13 15:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/04/13 15:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/04/13 15:15	1
2-Hexanone	ND		5.0	1.2	ug/L			09/04/13 15:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/04/13 15:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/04/13 15:15	1
Acetone	ND		10	3.0	ug/L			09/04/13 15:15	1
Benzene	ND		1.0	0.41	ug/L			09/04/13 15:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/04/13 15:15	1
Bromoform	ND		1.0	0.26	ug/L			09/04/13 15:15	1
Bromomethane	ND		1.0	0.69	ug/L			09/04/13 15:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/04/13 15:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/04/13 15:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/04/13 15:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/04/13 15:15	1
Chloroethane	ND		1.0	0.32	ug/L			09/04/13 15:15	1
Chloroform	ND		1.0	0.34	ug/L			09/04/13 15:15	1
Chloromethane	ND		1.0	0.35	ug/L			09/04/13 15:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/04/13 15:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/04/13 15:15	1
Cyclohexane	ND		1.0	0.18	ug/L			09/04/13 15:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/04/13 15:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/04/13 15:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/04/13 15:15	1
Methyl acetate	ND		1.0	0.50	ug/L			09/04/13 15:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/04/13 15:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/04/13 15:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/04/13 15:15	1
Styrene	ND		1.0	0.73	ug/L			09/04/13 15:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/04/13 15:15	1
Toluene	ND		1.0	0.51	ug/L			09/04/13 15:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/04/13 15:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/04/13 15:15	1
Trichloroethene	ND		1.0	0.46	ug/L			09/04/13 15:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/04/13 15:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/04/13 15:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/04/13 15:15	1

Client: New York State D.E.C.
Project/Site: Dambrose Cleaners #447030

TestAmerica Job ID: 480-44654-1

Client Sample ID: MW-7
Date Collected: 08/23/13 10:35
Date Received: 08/28/13 02:00

Lab Sample ID: 480-44654-3
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	124		66 - 137		09/04/13 15:15	1
Toluene-d8 (Surr)	95		71 - 126		09/04/13 15:15	1
4-Bromofluorobenzene (Surr)	92		73 - 120		09/04/13 15:15	1

Client: New York State D.E.C.
Project/Site: Dambrose Cleaners #447030

TestAmerica Job ID: 480-44654-1

Client Sample ID: MW-3
Date Collected: 08/23/13 11:40
Date Received: 08/28/13 02:00

Lab Sample ID: 480-44654-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/04/13 15:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/04/13 15:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/04/13 15:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/04/13 15:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/04/13 15:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/04/13 15:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/04/13 15:40	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/04/13 15:40	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/04/13 15:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/04/13 15:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/04/13 15:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/04/13 15:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/04/13 15:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/04/13 15:40	1
2-Hexanone	ND		5.0	1.2	ug/L			09/04/13 15:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/04/13 15:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/04/13 15:40	1
Acetone	ND		10	3.0	ug/L			09/04/13 15:40	1
Benzene	ND		1.0	0.41	ug/L			09/04/13 15:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/04/13 15:40	1
Bromoform	ND		1.0	0.26	ug/L			09/04/13 15:40	1
Bromomethane	ND		1.0	0.69	ug/L			09/04/13 15:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/04/13 15:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/04/13 15:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/04/13 15:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/04/13 15:40	1
Chloroethane	ND		1.0	0.32	ug/L			09/04/13 15:40	1
Chloroform	ND		1.0	0.34	ug/L			09/04/13 15:40	1
Chloromethane	ND		1.0	0.35	ug/L			09/04/13 15:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/04/13 15:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/04/13 15:40	1
Cyclohexane	ND		1.0	0.18	ug/L			09/04/13 15:40	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/04/13 15:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/04/13 15:40	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/04/13 15:40	1
Methyl acetate	ND		1.0	0.50	ug/L			09/04/13 15:40	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/04/13 15:40	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/04/13 15:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/04/13 15:40	1
Styrene	ND		1.0	0.73	ug/L			09/04/13 15:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/04/13 15:40	1
Toluene	ND		1.0	0.51	ug/L			09/04/13 15:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/04/13 15:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/04/13 15:40	1
Trichloroethene	ND		1.0	0.46	ug/L			09/04/13 15:40	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/04/13 15:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/04/13 15:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/04/13 15:40	1

Client: New York State D.E.C.
Project/Site: Dambrose Cleaners #447030

TestAmerica Job ID: 480-44654-1

Client Sample ID: MW-3
Date Collected: 08/23/13 11:40
Date Received: 08/28/13 02:00

Lab Sample ID: 480-44654-4
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*123*		*66 - 137*		*09/04/13 15:40*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*		*09/04/13 15:40*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*09/04/13 15:40*	*1*

Client: New York State D.E.C.
Project/Site: Dambrose Cleaners #447030

TestAmerica Job ID: 480-44654-1

Client Sample ID: MW-4
Date Collected: 08/23/13 10:30
Date Received: 08/28/13 02:00

Lab Sample ID: 480-44654-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/05/13 01:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/05/13 01:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/05/13 01:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/05/13 01:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/05/13 01:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/05/13 01:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/05/13 01:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/05/13 01:28	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/05/13 01:28	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/05/13 01:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/05/13 01:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/05/13 01:28	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/05/13 01:28	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/05/13 01:28	1
2-Hexanone	ND		5.0	1.2	ug/L			09/05/13 01:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/05/13 01:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/05/13 01:28	1
Acetone	ND		10	3.0	ug/L			09/05/13 01:28	1
Benzene	ND		1.0	0.41	ug/L			09/05/13 01:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/05/13 01:28	1
Bromoform	ND		1.0	0.26	ug/L			09/05/13 01:28	1
Bromomethane	ND		1.0	0.69	ug/L			09/05/13 01:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/05/13 01:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/05/13 01:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/05/13 01:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/05/13 01:28	1
Chloroethane	ND		1.0	0.32	ug/L			09/05/13 01:28	1
Chloroform	ND		1.0	0.34	ug/L			09/05/13 01:28	1
Chloromethane	ND		1.0	0.35	ug/L			09/05/13 01:28	1
cis-1,2-Dichloroethene	**3.9**		1.0	0.81	ug/L			09/05/13 01:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/05/13 01:28	1
Cyclohexane	ND		1.0	0.18	ug/L			09/05/13 01:28	1
Dichlorodifluoromethane	ND	*	1.0	0.68	ug/L			09/05/13 01:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/05/13 01:28	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/05/13 01:28	1
Methyl acetate	ND		1.0	0.50	ug/L			09/05/13 01:28	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/05/13 01:28	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/05/13 01:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/05/13 01:28	1
Styrene	ND		1.0	0.73	ug/L			09/05/13 01:28	1
Tetrachloroethene	**3.7**		1.0	0.36	ug/L			09/05/13 01:28	1
Toluene	ND		1.0	0.51	ug/L			09/05/13 01:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/05/13 01:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/05/13 01:28	1
Trichloroethene	**1.2**		1.0	0.46	ug/L			09/05/13 01:28	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/05/13 01:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/05/13 01:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/05/13 01:28	1

Client: New York State D.E.C.
Project/Site: Dambrose Cleaners #447030

TestAmerica Job ID: 480-44654-1

Client Sample ID: MW-4
Date Collected: 08/23/13 10:30
Date Received: 08/28/13 02:00

Lab Sample ID: 480-44654-5
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	123		66 - 137		09/05/13 01:28	1
Toluene-d8 (Surr)	96		71 - 126		09/05/13 01:28	1
4-Bromofluorobenzene (Surr)	92		73 - 120		09/05/13 01:28	1

Client: New York State D.E.C.
Project/Site: Dambrose Cleaners #447030

TestAmerica Job ID: 480-44654-1

Client Sample ID: MW-2R
Date Collected: 08/23/13 11:25
Date Received: 08/28/13 02:00

Lab Sample ID: 480-44654-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/05/13 01:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/05/13 01:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/05/13 01:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/05/13 01:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/05/13 01:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/05/13 01:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/05/13 01:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/05/13 01:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/05/13 01:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/05/13 01:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/05/13 01:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/05/13 01:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/05/13 01:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/05/13 01:53	1
2-Hexanone	ND		5.0	1.2	ug/L			09/05/13 01:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/05/13 01:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/05/13 01:53	1
Acetone	ND		10	3.0	ug/L			09/05/13 01:53	1
Benzene	ND		1.0	0.41	ug/L			09/05/13 01:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/05/13 01:53	1
Bromoform	ND		1.0	0.26	ug/L			09/05/13 01:53	1
Bromomethane	ND		1.0	0.69	ug/L			09/05/13 01:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/05/13 01:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/05/13 01:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/05/13 01:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/05/13 01:53	1
Chloroethane	ND		1.0	0.32	ug/L			09/05/13 01:53	1
Chloroform	ND		1.0	0.34	ug/L			09/05/13 01:53	1
Chloromethane	ND		1.0	0.35	ug/L			09/05/13 01:53	1
cis-1,2-Dichloroethene	**22**		1.0	0.81	ug/L			09/05/13 01:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/05/13 01:53	1
Cyclohexane	ND		1.0	0.18	ug/L			09/05/13 01:53	1
Dichlorodifluoromethane	ND	*	1.0	0.68	ug/L			09/05/13 01:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/05/13 01:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/05/13 01:53	1
Methyl acetate	ND		1.0	0.50	ug/L			09/05/13 01:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/05/13 01:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/05/13 01:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/05/13 01:53	1
Styrene	ND		1.0	0.73	ug/L			09/05/13 01:53	1
Toluene	ND		1.0	0.51	ug/L			09/05/13 01:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/05/13 01:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/05/13 01:53	1
Trichloroethene	**18**		1.0	0.46	ug/L			09/05/13 01:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/05/13 01:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/05/13 01:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/05/13 01:53	1

Client: New York State D.E.C.
Project/Site: Dambrose Cleaners #447030

TestAmerica Job ID: 480-44654-1

Client Sample ID: MW-2R
Date Collected: 08/23/13 11:25
Date Received: 08/28/13 02:00

Lab Sample ID: 480-44654-6
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*124*		*66 - 137*		*09/05/13 01:53*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*		*09/05/13 01:53*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*09/05/13 01:53*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	270		10	3.6	ug/L			09/05/13 12:05	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*66 - 137*		*09/05/13 12:05*	*10*
Toluene-d8 (Surr)	*95*		*71 - 126*		*09/05/13 12:05*	*10*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*09/05/13 12:05*	*10*

Client: New York State D.E.C.
Project/Site: Dambrose Cleaners #447030

TestAmerica Job ID: 480-44654-1

Client Sample ID: MW-1R
Date Collected: 08/23/13 12:00
Date Received: 08/28/13 02:00

Lab Sample ID: 480-44654-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/05/13 02:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/05/13 02:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/05/13 02:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/05/13 02:17	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/05/13 02:17	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/05/13 02:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/05/13 02:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/05/13 02:17	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/05/13 02:17	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/05/13 02:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/05/13 02:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/05/13 02:17	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/05/13 02:17	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/05/13 02:17	1
2-Hexanone	ND		5.0	1.2	ug/L			09/05/13 02:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/05/13 02:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/05/13 02:17	1
Acetone	ND		10	3.0	ug/L			09/05/13 02:17	1
Benzene	ND		1.0	0.41	ug/L			09/05/13 02:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/05/13 02:17	1
Bromoform	ND		1.0	0.26	ug/L			09/05/13 02:17	1
Bromomethane	ND		1.0	0.69	ug/L			09/05/13 02:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/05/13 02:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/05/13 02:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/05/13 02:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/05/13 02:17	1
Chloroethane	ND		1.0	0.32	ug/L			09/05/13 02:17	1
Chloroform	ND		1.0	0.34	ug/L			09/05/13 02:17	1
Chloromethane	ND		1.0	0.35	ug/L			09/05/13 02:17	1
cis-1,2-Dichloroethene	**8.6**		1.0	0.81	ug/L			09/05/13 02:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/05/13 02:17	1
Cyclohexane	ND		1.0	0.18	ug/L			09/05/13 02:17	1
Dichlorodifluoromethane	ND	*	1.0	0.68	ug/L			09/05/13 02:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/05/13 02:17	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/05/13 02:17	1
Methyl acetate	ND		1.0	0.50	ug/L			09/05/13 02:17	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/05/13 02:17	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/05/13 02:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/05/13 02:17	1
Styrene	ND		1.0	0.73	ug/L			09/05/13 02:17	1
Tetrachloroethene	**0.55**	**J**	1.0	0.36	ug/L			09/05/13 02:17	1
Toluene	ND		1.0	0.51	ug/L			09/05/13 02:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/05/13 02:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/05/13 02:17	1
Trichloroethene	ND		1.0	0.46	ug/L			09/05/13 02:17	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/05/13 02:17	1
Vinyl chloride	**12**		1.0	0.90	ug/L			09/05/13 02:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/05/13 02:17	1

Client: New York State D.E.C.
Project/Site: Dambrose Cleaners #447030

TestAmerica Job ID: 480-44654-1

Client Sample ID: MW-1R
Date Collected: 08/23/13 12:00
Date Received: 08/28/13 02:00

Lab Sample ID: 480-44654-7
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	123		66 - 137		09/05/13 02:17	1
Toluene-d8 (Surr)	96		71 - 126		09/05/13 02:17	1
4-Bromofluorobenzene (Surr)	90		73 - 120		09/05/13 02:17	1

Client: New York State D.E.C.
Project/Site: Dambrose Cleaners #447030

TestAmerica Job ID: 480-44654-1

Client Sample ID: Duplicate
Date Collected: 08/23/13 13:20
Date Received: 08/28/13 02:00

Lab Sample ID: 480-44654-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/05/13 02:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/05/13 02:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/05/13 02:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/05/13 02:42	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/05/13 02:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/05/13 02:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/05/13 02:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/05/13 02:42	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/05/13 02:42	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/05/13 02:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/05/13 02:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/05/13 02:42	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/05/13 02:42	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/05/13 02:42	1
2-Hexanone	ND		5.0	1.2	ug/L			09/05/13 02:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/05/13 02:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/05/13 02:42	1
Acetone	ND		10	3.0	ug/L			09/05/13 02:42	1
Benzene	ND		1.0	0.41	ug/L			09/05/13 02:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/05/13 02:42	1
Bromoform	ND		1.0	0.26	ug/L			09/05/13 02:42	1
Bromomethane	ND		1.0	0.69	ug/L			09/05/13 02:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/05/13 02:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/05/13 02:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/05/13 02:42	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/05/13 02:42	1
Chloroethane	ND		1.0	0.32	ug/L			09/05/13 02:42	1
Chloroform	ND		1.0	0.34	ug/L			09/05/13 02:42	1
Chloromethane	ND		1.0	0.35	ug/L			09/05/13 02:42	1
cis-1,2-Dichloroethene	**22**		1.0	0.81	ug/L			09/05/13 02:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/05/13 02:42	1
Cyclohexane	ND		1.0	0.18	ug/L			09/05/13 02:42	1
Dichlorodifluoromethane	ND	*	1.0	0.68	ug/L			09/05/13 02:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/05/13 02:42	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/05/13 02:42	1
Methyl acetate	ND		1.0	0.50	ug/L			09/05/13 02:42	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/05/13 02:42	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/05/13 02:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/05/13 02:42	1
Styrene	ND		1.0	0.73	ug/L			09/05/13 02:42	1
Toluene	ND		1.0	0.51	ug/L			09/05/13 02:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/05/13 02:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/05/13 02:42	1
Trichloroethene	**16**		1.0	0.46	ug/L			09/05/13 02:42	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/05/13 02:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/05/13 02:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/05/13 02:42	1

Client: New York State D.E.C.
Project/Site: Dambrose Cleaners #447030

TestAmerica Job ID: 480-44654-1

Client Sample ID: Duplicate
Date Collected: 08/23/13 13:20
Date Received: 08/28/13 02:00

Lab Sample ID: 480-44654-8
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*124*		*66 - 137*		*09/05/13 02:42*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*		*09/05/13 02:42*	*1*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*09/05/13 02:42*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	240		10	3.6	ug/L			09/05/13 12:29	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*66 - 137*		*09/05/13 12:29*	*10*
Toluene-d8 (Surr)	*98*		*71 - 126*		*09/05/13 12:29*	*10*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/05/13 12:29*	*10*

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Dambrose Cleaners #447030

TestAmerica Job ID: 480-44654-1

Client Sample ID: MW-6
Lab Sample ID: 480-44654-1
Date Collected: 08/23/13 09:20
Matrix: Water
Date Received: 08/28/13 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	137175	09/04/13 14:26	CDC	TAL BUF

Client Sample ID: MW-10
Lab Sample ID: 480-44654-2
Date Collected: 08/23/13 09:45
Matrix: Water
Date Received: 08/28/13 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	137175	09/04/13 14:51	CDC	TAL BUF

Client Sample ID: MW-7
Lab Sample ID: 480-44654-3
Date Collected: 08/23/13 10:35
Matrix: Water
Date Received: 08/28/13 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	137175	09/04/13 15:15	CDC	TAL BUF

Client Sample ID: MW-3
Lab Sample ID: 480-44654-4
Date Collected: 08/23/13 11:40
Matrix: Water
Date Received: 08/28/13 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	137175	09/04/13 15:40	CDC	TAL BUF

Client Sample ID: MW-4
Lab Sample ID: 480-44654-5
Date Collected: 08/23/13 10:30
Matrix: Water
Date Received: 08/28/13 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	137330	09/05/13 01:28	PJQ	TAL BUF

Client Sample ID: MW-2R
Lab Sample ID: 480-44654-6
Date Collected: 08/23/13 11:25
Matrix: Water
Date Received: 08/28/13 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	137330	09/05/13 01:53	PJQ	TAL BUF
Total/NA	Analysis	8260B	DL	10	137405	09/05/13 12:05	CDC	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Dambrose Cleaners #447030

TestAmerica Job ID: 480-44654-1

Client Sample ID: MW-1R

Lab Sample ID: 480-44654-7

Date Collected: 08/23/13 12:00
Matrix: Water
Date Received: 08/28/13 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	137330	09/05/13 02:17	PJQ	TAL BUF

Client Sample ID: Duplicate

Lab Sample ID: 480-44654-8

Date Collected: 08/23/13 13:20
Matrix: Water
Date Received: 08/28/13 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	137330	09/05/13 02:42	PJQ	TAL BUF
Total/NA	Analysis	8260B	DL	10	137405	09/05/13 12:29	CDC	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: New York State D.E.C.
Project/Site: Dambrose Cleaners #447030

TestAmerica Job ID: 480-44654-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	10-06-13
California	NELAP	9	1169CA	09-30-13
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-14
Georgia	State Program	4	N/A	03-31-09 *
Georgia	State Program	4	N/A	03-31-14
Georgia	State Program	4	956	03-31-09 *
Illinois	NELAP	5	200003	09-30-13
Iowa	State Program	7	374	03-01-09 *
Iowa	State Program	7	374	03-15-15
Kansas	NELAP	7	E-10187	01-31-14
Kentucky	State Program	4	90029	12-31-08 *
Kentucky	State Program	4	90029	12-31-13
Kentucky (UST)	State Program	4	30	04-01-14
Louisiana	NELAP	6	02031	06-30-14
Maine	State Program	1	NY00044	12-04-14
Maryland	State Program	3	294	03-31-14
Massachusetts	State Program	1	M-NY044	06-30-14
Michigan	State Program	5	9937	04-01-09 *
Michigan	State Program	5	9937	04-01-14
Minnesota	NELAP	5	036-999-337	12-31-13
New Hampshire	NELAP	1	2337	11-17-13
New Jersey	NELAP	2	NY455	06-30-14
New York	NELAP	2	10026	04-01-14
North Dakota	State Program	8	R-176	03-31-14
Oklahoma	State Program	6	9421	08-31-14
Oregon	NELAP	10	NY200003	06-09-14
Pennsylvania	NELAP	3	68-00281	07-31-14
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-14
Texas	NELAP	6	T104704412-11-2	07-31-14
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-13 *
Washington	State Program	10	C784	02-10-14
West Virginia DEP	State Program	3	252	09-30-13
Wisconsin	State Program	5	998310390	09-30-13

* Expired certification is currently pending renewal and is considered valid.

Method Summary

Client: New York State D.E.C.
Project/Site: Dambrose Cleaners #447030

TestAmerica Job ID: 480-44654-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Project/Site: Dambrose Cleaners #447030

TestAmerica Job ID: 480-44654-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-44654-1	MW-6	Water	08/23/13 09:20	08/28/13 02:00
480-44654-2	MW-10	Water	08/23/13 09:45	08/28/13 02:00
480-44654-3	MW-7	Water	08/23/13 10:35	08/28/13 02:00
480-44654-4	MW-3	Water	08/23/13 11:40	08/28/13 02:00
480-44654-5	MW-4	Water	08/23/13 10:30	08/28/13 02:00
480-44654-6	MW-2R	Water	08/23/13 11:25	08/28/13 02:00
480-44654-7	MW-1R	Water	08/23/13 12:00	08/28/13 02:00
480-44654-8	Duplicate	Water	08/23/13 13:20	08/28/13 02:00

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** ____ **of** ____
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	**Analysis (Attach list if more space is needed)**
Project Name and Location (State)	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH		Special Instructions/ Conditions of Receipt
															Steve Phelps
															cancelled TB
															analysis
															TDC 8-27-13

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other

QC Requirements (Specify)

1. Relinquished By	Date	Time	1. Received By	Date	Time
		1130		8-27-13	1130
2. Relinquished By	Date	Time	2. Received By	Date	Time
	8-27-13		TA	8-28-13	0201
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

3 9+1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-44654-1

Login Number: 44654

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wienke, Robert K

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	False	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Date Issued: September 11, 2013
Revision 1

Pace Analytical e-Report

Report prepared for:
PRECISION ENVIRONMENTAL SERVICES
831 STATE ROUTE 67
SUITE 38
BALLSTON SPA, NY 12020
CONTACT: STEVE PHELPS

Project ID: FORMER DAMBROSE CLEANERS
Sampling Date(s): August 23, 2013
Lab Report ID: 13080577
Client Service Contact: Kelly Miller (518) 346-4592 ext. 3844

Analysis Included:
TO-15 VOA - Pace MN

Test results meet all National Environmental Laboratory Accreditation Conference (NELAC) requirements unless noted in the case narrative. The results contained within this document relate only to the samples included in this report. Pace Analytical is responsible only for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

Dan Pfalzer
Laboratory Director

Certifications: New York (EPA: NY00906, ELAP: 11078), New Jersey (NY026), Connecticut (PH-0337), Massachusetts (M-NY906), Virgi nia (1884)

Pace Analytical Services, Inc.| 2190 Technology Drive | Schenectady, NY 12308
Phone: 518.346.4592 | internet: www.pacelabs.com

This page intentionally left blank.

Table of Contents

CASE NARRATIVE

September 09, 2013

CASE NARRATIVE

Revision: This data package has been revised to reflect a change in units per client request.
This data package (SDG ID: 13080577) consists of 5 tedlar samples received on 08/23/2013. The samples are from Project Name: FORMER DAMBROSE CLEANERS.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AQ23933	SSDS	08/23/2013 12:15
AQ23934	SVE -1	08/23/2013 12:25
AQ23935	SVE -2	08/23/2013 12:30
AQ23936	SVE -3	08/23/2013 12:35
AQ23937	SVE EFFLUENT	08/23/2013 12:40

Sample Delivery and Receipt Conditions

(1.) All samples were delivered to the laboratory via DROP OFF delivery service on 08/23/2013.

(2.) All samples were received at the laboratory intact and within holding times.

(3.) All samples were received at the laboratory properly preserved, if applicable.

(4.) The following sample temperature was recorded at sample receipt (Control limits are between 0-6 Degrees Celsius): 24.4 (IR) degrees Celsius. Please see Chain of Custody for details. Control limits do not apply for air media.

Volatiles Analysis

Analysis for Volatiles was performed by EPA Method TO-15A. The following technical and administrative items were noted for the analysis:

(1.) Please see attached Pace Analytical Laboratory Report for quality assurance details.

Respectfully submitted,

Kelly A. Miller

Kelly A. Miller
Project Manager

S:\Lims Data\1308\13080577\Package\CN_13080577_Rev00.doc

QUALIFIERS

Qualifier Definitions

Organic Laboratory Qualifiers

B - Denotes analyte observed in associated method blank or extraction blank. Analyte concentration should be considered as estimated.

D - Surrogate recovery not evaluated against control limits due to sample dilution.

E - Denotes analyte concentration exceeded calibration range of instrument. Sample could not be re-analyzed at secondary dilution due to insufficient sample amount, quick turn-around request, sample matrix interference or hold time excursion. Concentration result should be considered as estimated.

J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the Practical Quantitation Limit (PQL).

P - Indicates relative percent difference (RPD) between primary and secondary gas chromatograph (GC) column analysis exceeds 40 % or indicates percent difference (PD) between primary and secondary gas chromatograph (GC) column analysis exceeds 25 %.

U - Denotes analyte not detected at concentration greater than the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.

Z - Chromatographic interference due to polychlorinated biphenyl (PCB) co-elution.

* - Value not within control limits.

Inorganic Laboratory Qualifiers

B - Denotes analyte observed in associated method blank or digestion blank. Analyte concentration should be considered as estimated.

E - Denotes analyte concentration exceeded calibration range of instrument. Sample could not be re-analyzed at secondary dilution due to insufficient sample amount, quick turn-around request, sample matrix interference or hold time excursion. Concentration result should be considered as estimated.

J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the Practical Quantitation Limit (PQL).

U - Denotes analyte not detected at concentration greater than the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.

* - Value not within control limits.

SAMPLE CHAIN OF CUSTODY

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

<13080577P1>

130805771

Page: 1 of 1

1743485

Section A Required Client Information:

Company: Precision Environmental Svcs
Address: 831 Route 67
Ballston Spa NY 12020
Email To: spheljps@precisionenvironmentalny.com
Phone: (518)885-4395 Fax: (518)885-4416
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Steve Phelps @ PES
Copy To:
Purchase Order No.:
Project Name: Former Dardess Dry Cleaners
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address: Same
Pace Quote Reference: as
Pace Project Manager: Client
Pace Profile #:

NCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NY

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	TO-15	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	SSDS	AR	G			8/23/13	1215		1	X									X		AQ23933
2	SVE-1	"	"			"	1225		"	"									"		AQ23934
3	SVE-2	"	"			"	1230		"	"									"		AQ23935
4	SVE-3	"	"			"	1235		"	"									"		AQ23936
5	SVE Effluent	↓	↓			↓	1240		↓	↓									↓		AQ23937
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
		8/23/13	1516		8/23/13	15:16	24.4 (IR)	N	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Patrick Sakolowski
SIGNATURE of SAMPLER: Patrick Sakolowski
DATE Signed (MM/DD/YY): 9/23/13

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLE RECEIPT

SAMPLE RECEIPT REPORT
13080577

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

CLIENT: PRECISION ENVIRONMENTAL SERVICES
PROJECT: FORMER DAMBROSE CLEANERS
LRF: 13080577
REPORT: ANALYTICAL REPORT
EDD: NO
LRF TAT: 2 WEEK

RECEIVED DATE: 08/23/2013 15:16
SHIPPED VIA: DROP OFF
SHIPPING ID: P. SOKOLOWSKI- PES
NUMBER OF COOLERS: 0
CUSTODY SEAL INTACT: NA
TEMPERATURE(S):[5] 24.4 (IR) °C

SAMPLE SEALS INTACT: NA
[1,2]SAMPLES PROPERLY PRESERVED: YES
[3]SAMPLES REC'D IN HOLDTIME: YES
DISPOSAL: BY LAB (45 DAYS)
COC DISCREPANCY: NO

COMMENTS:

CLIENT ID (LAB ID)	TAT-DUE Date[4]	DATE-TIME SAMPLED	MATRIX	METHOD	TEST DESCRIPTION	QC REQUESTED
SSDS (AQ23933)	2 WEEK 09-09-13	08/23/2013 12:15	Tedlar	EPA TO-15	TO-15 VOA - Pace MN	
SVE -1 (AQ23934)	2 WEEK 09-09-13	08/23/2013 12:25	Tedlar	EPA TO-15	TO-15 VOA - Pace MN	
SVE -2 (AQ23935)	2 WEEK 09-09-13	08/23/2013 12:30	Tedlar	EPA TO-15	TO-15 VOA - Pace MN	
SVE -3 (AQ23936)	2 WEEK 09-09-13	08/23/2013 12:35	Tedlar	EPA TO-15	TO-15 VOA - Pace MN	
SVE EFFLUENT (AQ23937)	2 WEEK 09-09-13	08/23/2013 12:40	Tedlar	EPA TO-15	TO-15 VOA - Pace MN	

[1]The pH preservation check of Oil and Grease (Method 1664) is performed as soon as possible after sample receipt and may not be included in this report.
[2]The pH preservation check of aqueous volatile samples is not performed until after the analysis of the sample to maintain zero headspace and is not included in this report.
[3]Samples received for pH analysis are not marked as a hold time exceedance here. SW-846 methods suggests analysis to be done within 15 minutes of sample collection. Because of transportation time it is not possible for the laboratory to perform the test in that time. Sample Certificates of Analysis reports are noted as such.
[4]Samples arriving at the laboratory after 4:00 pm are assigned a due date as if they arrived the following business day unless other arrangements have been made.
[5]All samples which require thermal preservation shall be considered acceptable when received greater than 6 degrees Celsius if they are collected on the same day as received and there is evidence that the chilling process has begun, such as arrival on ice.

Reporting Parameters and Lists

Subcontract Analysis

Pace Analytical Services, Inc.
1700 Elm Street – Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: PASI-NY
Phone: (518)346-4592

Lab Project Number: 10239764
Project Name: 13080577 PES

Lab Sample No: 10239764001 ProjSampleNum: 10239764001 Date Collected: 08/23/13 12:15
Client Sample ID: SSDS AQ23933 Matrix: Air Date Received: 08/24/13 8:40

Air

TO-15

Parameters	Report Limit ppbv	Results ppbv	Report Limit ug/m3	Results ug/m3	DF	Analyzed	CAS No.
1,1,1-Trichloroethane	17.4	ND	97	ND	34.8	09/05/13 12:02 AH2	71-55-6
1,1,2,2-Tetrachloroethane	17.4	ND	120	ND	34.8	09/05/13 12:02 AH2	79-34-5
1,1,2-Trichloroethane	17.4	ND	97	ND	34.8	09/05/13 12:02 AH2	79-00-5
1,1,2-Trichlorotrifluoroethane	17.4	ND	140	ND	34.8	09/05/13 12:02 AH2	76-13-1
1,1-Dichloroethane	17.4	ND	72	ND	34.8	09/05/13 12:02 AH2	75-34-3
1,1-Dichloroethene	17.4	ND	70	ND	34.8	09/05/13 12:02 AH2	75-35-4
1,2,4-Trichlorobenzene	17.4	ND	130	ND	34.8	09/05/13 12:02 AH2	120-82-1
1,2,4-Trimethylbenzene	17.4	ND	87	ND	34.8	09/05/13 12:02 AH2	95-63-6
1,2-Dibromoethane (EDB)	17.4	ND	140	ND	34.8	09/05/13 12:02 AH2	106-93-4
1,2-Dichlorobenzene	17.4	ND	110	ND	34.8	09/05/13 12:02 AH2	95-50-1
1,2-Dichloroethane	17.4	ND	72	ND	34.8	09/05/13 12:02 AH2	107-06-2
1,2-Dichloropropane	17.4	ND	82	ND	34.8	09/05/13 12:02 AH2	78-87-5
1,3,5-Trimethylbenzene	17.4	ND	87	ND	34.8	09/05/13 12:02 AH2	108-67-8
1,3-Butadiene	17.4	ND	39	ND	34.8	09/05/13 12:02 AH2	106-99-0
1,3-Dichlorobenzene	17.4	ND	110	ND	34.8	09/05/13 12:02 AH2	541-73-1
1,4-Dichlorobenzene	17.4	ND	110	ND	34.8	09/05/13 12:02 AH2	106-46-7
1,4-Dioxane (p-Dioxane)	17.4	ND	64	ND	34.8	09/05/13 12:02 AH2	123-91-1
2,2,4-Trimethylpentane	17.4	ND	83	ND	34.8	09/05/13 12:02 AH2	540-84-1
2-Butanone (MEK)	17.4	ND	52	ND	34.8	09/05/13 12:02 AH2	78-93-3
2-Hexanone	17.4	ND	72	ND	34.8	09/05/13 12:02 AH2	591-78-6
2-Propanol	17.4	49.8	43	124	34.8	09/05/13 12:02 AH2	67-63-0
4-Ethyltoluene	17.4	ND	87	ND	34.8	09/05/13 12:02 AH2	622-96-8
4-Methyl-2-pentanone (MIBK)	17.4	ND	72	ND	34.8	09/05/13 12:02 AH2	108-10-1
Acetone	17.4	23.0	42	55.5	34.8	09/05/13 12:02 AH2	67-64-1
Allyl chloride	17.4	ND	55	ND	34.8	09/05/13 12:02 AH2	107-05-1
Benzene	17.4	ND	57	ND	34.8	09/05/13 12:02 AH2	71-43-2
Bromodichloromethane	17.4	ND	120	ND	34.8	09/05/13 12:02 AH2	75-27-4
Bromoform	17.4	ND	180	ND	34.8	09/05/13 12:02 AH2	75-25-2
Bromomethane	17.4	ND	69	ND	34.8	09/05/13 12:02 AH2	74-83-9
Carbon disulfide	17.4	ND	55	ND	34.8	09/05/13 12:02 AH2	75-15-0
Carbon tetrachloride	17.4	ND	110	ND	34.8	09/05/13 12:02 AH2	56-23-5
Chlorobenzene	17.4	ND	81	ND	34.8	09/05/13 12:02 AH2	108-90-7
Chloroethane	17.4	ND	47	ND	34.8	09/05/13 12:02 AH2	75-00-3
Chloroform	17.4	ND	86	ND	34.8	09/05/13 12:02 AH2	67-66-3
Chloromethane	17.4	ND	37	ND	34.8	09/05/13 12:02 AH2	74-87-3
cis-1,2-Dichloroethene	17.4	ND	70	ND	34.8	09/05/13 12:02 AH2	156-59-2
cis-1,3-Dichloropropene	17.4	ND	80	ND	34.8	09/05/13 12:02 AH2	10061-01-5
Cyclohexane	17.4	ND	61	ND	34.8	09/05/13 12:02 AH2	110-82-7
Dibromochloromethane	17.4	ND	150	ND	34.8	09/05/13 12:02 AH2	124-48-1
Dichlorotetrafluoroethane	17.4	ND	120	ND	34.8	09/05/13 12:02 AH2	76-14-2
Ethyl acetate	17.4	22.5	64	82.4	34.8	09/05/13 12:02 AH2	141-78-6

SUPPLEMENTAL REPORT

Units Conversion Request

Date: 9/10/2013

Pace Analytical Services, Inc.
1700 Elm Street – Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: PASI-NY
Phone: (518)346-4592

Lab Project Number: 10239764
Project Name: 13080577 PES

Ethylbenzene	17.4	ND	77	ND	34.8	09/05/13 12:02	AH2	100-41-4
Hexachloro-1,3-butadiene	17.4	ND	190	ND	34.8	09/05/13 12:02	AH2	87-68-3
m&p-Xylene	34.8	ND	150	ND	34.8	09/05/13 12:02	AH2	179601-23-
Methylene Chloride	17.4	40.3	61	142	34.8	09/05/13 12:02	AH2	75-09-2
Methyl-tert-butyl ether	17.4	ND	64	ND	34.8	09/05/13 12:02	AH2	1634-04-4
n-Heptane	17.4	ND	72	ND	34.8	09/05/13 12:02	AH2	142-82-5
n-Hexane	17.4	ND	62	ND	34.8	09/05/13 12:02	AH2	110-54-3
o-Xylene	17.4	ND	77	ND	34.8	09/05/13 12:02	AH2	95-47-6
Propylene	17.4	ND	30	ND	34.8	09/05/13 12:02	AH2	115-07-1
Styrene	17.4	ND	75	ND	34.8	09/05/13 12:02	AH2	100-42-5
Tetrachloroethene	17.4	113	120	779	34.8	09/05/13 12:02	AH2	127-18-4
Tetrahydrofuran	17.4	ND	52	ND	34.8	09/05/13 12:02	AH2	109-99-9
Toluene	17.4	ND	67	ND	34.8	09/05/13 12:02	AH2	108-88-3
trans-1,2-Dichloroethene	17.4	ND	70	ND	34.8	09/05/13 12:02	AH2	156-60-5
trans-1,3-Dichloropropene	17.4	ND	80	ND	34.8	09/05/13 12:02	AH2	10061-02-6
Trichloroethene	17.4	ND	95	ND	34.8	09/05/13 12:02	AH2	79-01-6
Vinyl acetate	17.4	ND	62	ND	34.8	09/05/13 12:02	AH2	108-05-4
Vinyl bromide	17.4	ND		alyte not foun	34.8	09/05/13 12:02	AH2	593-60-2
Vinyl chloride	17.4	ND	45	ND	34.8	09/05/13 12:02	AH2	75-01-4

5

SUPPLEMENTAL REPORT

Units Conversion Request

Pace Analytical Services, Inc.
1700 Elm Street – Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: PASI-NY
Phone: (518)346-4592

Lab Project Number: 10239764
Project Name: 13080577 PES

Lab Sample No: 10239764002 ProjSampleNum: 10239764002 Date Collected: 08/23/13 12:25
Client Sample ID: SVE-1 AQ23934 Matrix: Air Date Received: 08/24/13 8:40

Parameters	Report Limit ppbv	Results ppbv	Report Limit ug/m3	Results ug/m3	DF	Analyzed	CAS No.
Air							
TO-15							
1,1,1-Trichloroethane	7.3	ND	40	ND	14.62	09/05/13 12:27 AH2	71-55-6
1,1,2,2-Tetrachloroethane	7.3	ND	51	ND	14.62	09/05/13 12:27 AH2	79-34-5
1,1,2-Trichloroethane	7.3	ND	40	ND	14.62	09/05/13 12:27 AH2	79-00-5
1,1,2-Trichlorotrifluoroethane	7.3	ND	57	ND	14.62	09/05/13 12:27 AH2	76-13-1
1,1-Dichloroethane	7.3	ND	30	ND	14.62	09/05/13 12:27 AH2	75-34-3
1,1-Dichloroethene	7.3	ND	29	ND	14.62	09/05/13 12:27 AH2	75-35-4
1,2,4-Trichlorobenzene	7.3	ND	55	ND	14.62	09/05/13 12:27 AH2	120-82-1
1,2,4-Trimethylbenzene	7.3	ND	36	ND	14.62	09/05/13 12:27 AH2	95-63-6
1,2-Dibromoethane (EDB)	7.3	ND	57	ND	14.62	09/05/13 12:27 AH2	106-93-4
1,2-Dichlorobenzene	7.3	ND	45	ND	14.62	09/05/13 12:27 AH2	95-50-1
1,2-Dichloroethane	7.3	ND	30	ND	14.62	09/05/13 12:27 AH2	107-06-2
1,2-Dichloropropane	7.3	ND	34	ND	14.62	09/05/13 12:27 AH2	78-87-5
1,3,5-Trimethylbenzene	7.3	ND	36	ND	14.62	09/05/13 12:27 AH2	108-67-8
1,3-Butadiene	7.3	ND	16	ND	14.62	09/05/13 12:27 AH2	106-99-0
1,3-Dichlorobenzene	7.3	ND	45	ND	14.62	09/05/13 12:27 AH2	541-73-1
1,4-Dichlorobenzene	7.3	ND	45	ND	14.62	09/05/13 12:27 AH2	106-46-7
1,4-Dioxane (p-Dioxane)	7.3	ND	27	ND	14.62	09/05/13 12:27 AH2	123-91-1
2,2,4-Trimethylpentane	7.3	ND	35	ND	14.62	09/05/13 12:27 AH2	540-84-1
2-Butanone (MEK)	7.3	15.2	22	45.6	14.62	09/05/13 12:27 AH2	78-93-3
2-Hexanone	7.3	ND	30	ND	14.62	09/05/13 12:27 AH2	591-78-6
2-Propanol	7.3	21.4	18	53.5	14.62	09/05/13 12:27 AH2	67-63-0
4-Ethyltoluene	7.3	ND	36	ND	14.62	09/05/13 12:27 AH2	622-96-8
4-Methyl-2-pentanone (MIBK)	7.3	ND	30	ND	14.62	09/05/13 12:27 AH2	108-10-1
Acetone	7.3	19.3	18	46.6	14.62	09/05/13 12:27 AH2	67-64-1
Allyl chloride	7.3	ND	23	ND	14.62	09/05/13 12:27 AH2	107-05-1
Benzene	7.3	ND	24	ND	14.62	09/05/13 12:27 AH2	71-43-2
Bromodichloromethane	7.3	ND	50	ND	14.62	09/05/13 12:27 AH2	75-27-4
Bromoform	7.3	ND	77	ND	14.62	09/05/13 12:27 AH2	75-25-2
Bromomethane	7.3	ND	29	ND	14.62	09/05/13 12:27 AH2	74-83-9
Carbon disulfide	7.3	ND	23	ND	14.62	09/05/13 12:27 AH2	75-15-0
Carbon tetrachloride	7.3	ND	47	ND	14.62	09/05/13 12:27 AH2	56-23-5
Chlorobenzene	7.3	ND	34	ND	14.62	09/05/13 12:27 AH2	108-90-7
Chloroethane	7.3	ND	20	ND	14.62	09/05/13 12:27 AH2	75-00-3
Chloroform	7.3	ND	36	ND	14.62	09/05/13 12:27 AH2	67-66-3
Chloromethane	7.3	ND	15	ND	14.62	09/05/13 12:27 AH2	74-87-3
cis-1,2-Dichloroethene	7.3	ND	29	ND	14.62	09/05/13 12:27 AH2	156-59-2
cis-1,3-Dichloropropene	7.3	ND	34	ND	14.62	09/05/13 12:27 AH2	10061-01-5
Cyclohexane	7.3	ND	26	ND	14.62	09/05/13 12:27 AH2	110-82-7
Dibromochloromethane	7.3	ND	63	ND	14.62	09/05/13 12:27 AH2	124-48-1
Dichlorotetrafluoroethane	7.3	ND	52	ND	14.62	09/05/13 12:27 AH2	76-14-2
Ethyl acetate	7.3	ND	27	ND	14.62	09/05/13 12:27 AH2	141-78-6

SUPPLEMENTAL REPORT

Units Conversion Request

Pace Analytical Services, Inc.
1700 Elm Street – Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: PASI-NY
Phone: (518)346-4592

Lab Project Number: 10239764
Project Name: 13080577 PES

Ethylbenzene	7.3	ND	32	ND	14.62	09/05/13 12:27	AH2	100-41-4
Hexachloro-1,3-butadiene	7.3	ND	79	ND	14.62	09/05/13 12:27	AH2	87-68-3
m&p-Xylene	14.6	ND	64	ND	14.62	09/05/13 12:27	AH2	179601-23-
Methylene Chloride	7.3	33.3	26	118	14.62	09/05/13 12:27	AH2	75-09-2
Methyl-tert-butyl ether	7.3	ND	27	ND	14.62	09/05/13 12:27	AH2	1634-04-4
n-Heptane	7.3	ND	30	ND	14.62	09/05/13 12:27	AH2	142-82-5
n-Hexane	7.3	ND	26	ND	14.62	09/05/13 12:27	AH2	110-54-3
o-Xylene	7.3	ND	32	ND	14.62	09/05/13 12:27	AH2	95-47-6
Propylene	7.3	ND	13	ND	14.62	09/05/13 12:27	AH2	115-07-1
Styrene	7.3	ND	32	ND	14.62	09/05/13 12:27	AH2	100-42-5
Tetrachloroethene	7.3	64.6	50	445	14.62	09/05/13 12:27	AH2	127-18-4
Tetrahydrofuran	7.3	ND	22	ND	14.62	09/05/13 12:27	AH2	109-99-9
Toluene	7.3	66.9	28	256	14.62	09/05/13 12:27	AH2	108-88-3
trans-1,2-Dichloroethene	7.3	ND	29	ND	14.62	09/05/13 12:27	AH2	156-60-5
trans-1,3-Dichloropropene	7.3	ND	34	ND	14.62	09/05/13 12:27	AH2	10061-02-6
Trichloroethene	7.3	ND	40	ND	14.62	09/05/13 12:27	AH2	79-01-6
Vinyl acetate	7.3	ND	26	ND	14.62	09/05/13 12:27	AH2	108-05-4
Vinyl bromide	7.3	ND		alyte not foun	14.62	09/05/13 12:27	AH2	593-60-2
Vinyl chloride	7.3	ND	19	ND	14.62	09/05/13 12:27	AH2	75-01-4

5

SUPPLEMENTAL REPORT

Units Conversion Request

Pace Analytical Services, Inc.
1700 Elm Street – Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: PASI-NY
Phone: (518)346-4592

Lab Project Number: 10239764
Project Name: 13080577 PES

Lab Sample No: 10239764003 ProjSampleNum: 10239764003 Date Collected: 08/23/13 12:30
Client Sample ID: SVE-2 AQ23935 Matrix: Air Date Received: 08/24/13 8:40

Air

TO-15

Parameters	Report Limit ppbv	Results ppbv	Report Limit ug/m3	Results ug/m3	DF	Analyzed	CAS No.
1,1,1-Trichloroethane	20.4	ND	110	ND	40.84	09/05/13 13:43 AH2	71-55-6
1,1,2,2-Tetrachloroethane	20.4	ND	140	ND	40.84	09/05/13 13:43 AH2	79-34-5
1,1,2-Trichloroethane	20.4	ND	110	ND	40.84	09/05/13 13:43 AH2	79-00-5
1,1,2-Trichlorotrifluoroethane	20.4	ND	160	ND	40.84	09/05/13 13:43 AH2	76-13-1
1,1-Dichloroethane	20.4	ND	84	ND	40.84	09/05/13 13:43 AH2	75-34-3
1,1-Dichloroethene	20.4	ND	82	ND	40.84	09/05/13 13:43 AH2	75-35-4
1,2,4-Trichlorobenzene	20.4	ND	150	ND	40.84	09/05/13 13:43 AH2	120-82-1
1,2,4-Trimethylbenzene	20.4	ND	100	ND	40.84	09/05/13 13:43 AH2	95-63-6
1,2-Dibromoethane (EDB)	20.4	ND	160	ND	40.84	09/05/13 13:43 AH2	106-93-4
1,2-Dichlorobenzene	20.4	ND	120	ND	40.84	09/05/13 13:43 AH2	95-50-1
1,2-Dichloroethane	20.4	ND	84	ND	40.84	09/05/13 13:43 AH2	107-06-2
1,2-Dichloropropane	20.4	ND	96	ND	40.84	09/05/13 13:43 AH2	78-87-5
1,3,5-Trimethylbenzene	20.4	ND	100	ND	40.84	09/05/13 13:43 AH2	108-67-8
1,3-Butadiene	20.4	ND	46	ND	40.84	09/05/13 13:43 AH2	106-99-0
1,3-Dichlorobenzene	20.4	ND	120	ND	40.84	09/05/13 13:43 AH2	541-73-1
1,4-Dichlorobenzene	20.4	ND	120	ND	40.84	09/05/13 13:43 AH2	106-46-7
1,4-Dioxane (p-Dioxane)	20.4	ND	75	ND	40.84	09/05/13 13:43 AH2	123-91-1
2,2,4-Trimethylpentane	20.4	ND	97	ND	40.84	09/05/13 13:43 AH2	540-84-1
2-Butanone (MEK)	20.4	ND	61	ND	40.84	09/05/13 13:43 AH2	78-93-3
2-Hexanone	20.4	ND	85	ND	40.84	09/05/13 13:43 AH2	591-78-6
2-Propanol	20.4	ND	51	ND	40.84	09/05/13 13:43 AH2	67-63-0
4-Ethyltoluene	20.4	ND	100	ND	40.84	09/05/13 13:43 AH2	622-96-8
4-Methyl-2-pentanone (MIBK)	20.4	ND	85	ND	40.84	09/05/13 13:43 AH2	108-10-1
Acetone	20.4	39.4	49	95.1	40.84	09/05/13 13:43 AH2	67-64-1
Allyl chloride	20.4	ND	65	ND	40.84	09/05/13 13:43 AH2	107-05-1
Benzene	20.4	ND	66	ND	40.84	09/05/13 13:43 AH2	71-43-2
Bromodichloromethane	20.4	ND	140	ND	40.84	09/05/13 13:43 AH2	75-27-4
Bromoform	20.4	ND	210	ND	40.84	09/05/13 13:43 AH2	75-25-2
Bromomethane	20.4	ND	81	ND	40.84	09/05/13 13:43 AH2	74-83-9
Carbon disulfide	20.4	ND	65	ND	40.84	09/05/13 13:43 AH2	75-15-0
Carbon tetrachloride	20.4	ND	130	ND	40.84	09/05/13 13:43 AH2	56-23-5
Chlorobenzene	20.4	ND	95	ND	40.84	09/05/13 13:43 AH2	108-90-7
Chloroethane	20.4	ND	55	ND	40.84	09/05/13 13:43 AH2	75-00-3
Chloroform	20.4	ND	100	ND	40.84	09/05/13 13:43 AH2	67-66-3
Chloromethane	20.4	ND	43	ND	40.84	09/05/13 13:43 AH2	74-87-3
cis-1,2-Dichloroethene	20.4	ND	82	ND	40.84	09/05/13 13:43 AH2	156-59-2
cis-1,3-Dichloropropene	20.4	ND	94	ND	40.84	09/05/13 13:43 AH2	10061-01-5
Cyclohexane	20.4	ND	71	ND	40.84	09/05/13 13:43 AH2	110-82-7
Dibromochloromethane	20.4	ND	180	ND	40.84	09/05/13 13:43 AH2	124-48-1
Dichlorotetrafluoroethane	20.4	ND	140	ND	40.84	09/05/13 13:43 AH2	76-14-2
Ethyl acetate	20.4	ND	75	ND	40.84	09/05/13 13:43 AH2	141-78-6

SUPPLEMENTAL REPORT

Units Conversion Request

Pace Analytical Services, Inc.
1700 Elm Street – Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: PASI-NY
Phone: (518)346-4592

Lab Project Number: 10239764
Project Name: 13080577 PES

Ethylbenzene	20.4	ND	90	ND	40.84	09/05/13 13:43	AH2	100-41-4
Hexachloro-1,3-butadiene	20.4	ND	220	ND	40.84	09/05/13 13:43	AH2	87-68-3
m&p-Xylene	40.8	ND	180	ND	40.84	09/05/13 13:43	AH2	179601-23-
Methylene Chloride	20.4	47.1	72	166	40.84	09/05/13 13:43	AH2	75-09-2
Methyl-tert-butyl ether	20.4	ND	75	ND	40.84	09/05/13 13:43	AH2	1634-04-4
n-Heptane	20.4	ND	85	ND	40.84	09/05/13 13:43	AH2	142-82-5
n-Hexane	20.4	ND	73	ND	40.84	09/05/13 13:43	AH2	110-54-3
o-Xylene	20.4	ND	90	ND	40.84	09/05/13 13:43	AH2	95-47-6
Propylene	20.4	ND	36	ND	40.84	09/05/13 13:43	AH2	115-07-1
Styrene	20.4	ND	88	ND	40.84	09/05/13 13:43	AH2	100-42-5
Tetrachloroethene	20.4	54.1	140	373	40.84	09/05/13 13:43	AH2	127-18-4
Tetrahydrofuran	20.4	ND	61	ND	40.84	09/05/13 13:43	AH2	109-99-9
Toluene	20.4	ND	78	ND	40.84	09/05/13 13:43	AH2	108-88-3
trans-1,2-Dichloroethene	20.4	ND	82	ND	40.84	09/05/13 13:43	AH2	156-60-5
trans-1,3-Dichloropropene	20.4	ND	94	ND	40.84	09/05/13 13:43	AH2	10061-02-6
Trichloroethene	20.4	ND	110	ND	40.84	09/05/13 13:43	AH2	79-01-6
Vinyl acetate	20.4	ND	73	ND	40.84	09/05/13 13:43	AH2	108-05-4
Vinyl bromide	20.4	ND		alyte not foun	40.84	09/05/13 13:43	AH2	593-60-2
Vinyl chloride	20.4	ND	53	ND	40.84	09/05/13 13:43	AH2	75-01-4

5

SUPPLEMENTAL REPORT

Units Conversion Request

Date: 9/10/2013

Pace Analytical Services, Inc.
1700 Elm Street – Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: PASI-NY
Phone: (518)346-4592

Lab Project Number: 10239764
Project Name: 13080577 PES

Lab Sample No: 10239764004 ProjSampleNum: 10239764004 Date Collected: 08/23/13 12:35
Client Sample ID: SVE-3 AQ23936 Matrix: Air Date Received: 08/24/13 8:40

Air

TO-15

Parameters	Report Limit ppbv	Results ppbv	Report Limit ug/m3	Results ug/m3	DF	Analyzed	CAS No.
1,1,1-Trichloroethane	20.4	ND	110	ND	40.7	09/05/13 13:17 AH2	71-55-6
1,1,2,2-Tetrachloroethane	20.4	ND	140	ND	40.7	09/05/13 13:17 AH2	79-34-5
1,1,2-Trichloroethane	20.4	ND	110	ND	40.7	09/05/13 13:17 AH2	79-00-5
1,1,2-Trichlorotrifluoroethane	20.4	ND	160	ND	40.7	09/05/13 13:17 AH2	76-13-1
1,1-Dichloroethane	20.4	ND	84	ND	40.7	09/05/13 13:17 AH2	75-34-3
1,1-Dichloroethene	20.4	ND	82	ND	40.7	09/05/13 13:17 AH2	75-35-4
1,2,4-Trichlorobenzene	20.4	ND	150	ND	40.7	09/05/13 13:17 AH2	120-82-1
1,2,4-Trimethylbenzene	20.4	ND	100	ND	40.7	09/05/13 13:17 AH2	95-63-6
1,2-Dibromoethane (EDB)	20.4	ND	160	ND	40.7	09/05/13 13:17 AH2	106-93-4
1,2-Dichlorobenzene	20.4	ND	120	ND	40.7	09/05/13 13:17 AH2	95-50-1
1,2-Dichloroethane	20.4	ND	84	ND	40.7	09/05/13 13:17 AH2	107-06-2
1,2-Dichloropropane	20.4	ND	96	ND	40.7	09/05/13 13:17 AH2	78-87-5
1,3,5-Trimethylbenzene	20.4	ND	100	ND	40.7	09/05/13 13:17 AH2	108-67-8
1,3-Butadiene	20.4	ND	46	ND	40.7	09/05/13 13:17 AH2	106-99-0
1,3-Dichlorobenzene	20.4	ND	120	ND	40.7	09/05/13 13:17 AH2	541-73-1
1,4-Dichlorobenzene	20.4	ND	120	ND	40.7	09/05/13 13:17 AH2	106-46-7
1,4-Dioxane (p-Dioxane)	20.4	ND	75	ND	40.7	09/05/13 13:17 AH2	123-91-1
2,2,4-Trimethylpentane	20.4	ND	97	ND	40.7	09/05/13 13:17 AH2	540-84-1
2-Butanone (MEK)	20.4	ND	61	ND	40.7	09/05/13 13:17 AH2	78-93-3
2-Hexanone	20.4	ND	85	ND	40.7	09/05/13 13:17 AH2	591-78-6
2-Propanol	20.4	92.5	51	231	40.7	09/05/13 13:17 AH2	67-63-0
4-Ethyltoluene	20.4	ND	100	ND	40.7	09/05/13 13:17 AH2	622-96-8
4-Methyl-2-pentanone (MIBK)	20.4	ND	85	ND	40.7	09/05/13 13:17 AH2	108-10-1
Acetone	20.4	35.0	49	84.5	40.7	09/05/13 13:17 AH2	67-64-1
Allyl chloride	20.4	ND	65	ND	40.7	09/05/13 13:17 AH2	107-05-1
Benzene	20.4	ND	66	ND	40.7	09/05/13 13:17 AH2	71-43-2
Bromodichloromethane	20.4	ND	140	ND	40.7	09/05/13 13:17 AH2	75-27-4
Bromoform	20.4	ND	210	ND	40.7	09/05/13 13:17 AH2	75-25-2
Bromomethane	20.4	ND	81	ND	40.7	09/05/13 13:17 AH2	74-83-9
Carbon disulfide	20.4	ND	65	ND	40.7	09/05/13 13:17 AH2	75-15-0
Carbon tetrachloride	20.4	ND	130	ND	40.7	09/05/13 13:17 AH2	56-23-5
Chlorobenzene	20.4	ND	95	ND	40.7	09/05/13 13:17 AH2	108-90-7
Chloroethane	20.4	ND	55	ND	40.7	09/05/13 13:17 AH2	75-00-3
Chloroform	20.4	ND	100	ND	40.7	09/05/13 13:17 AH2	67-66-3
Chloromethane	20.4	ND	43	ND	40.7	09/05/13 13:17 AH2	74-87-3
cis-1,2-Dichloroethene	20.4	ND	82	ND	40.7	09/05/13 13:17 AH2	156-59-2
cis-1,3-Dichloropropene	20.4	ND	94	ND	40.7	09/05/13 13:17 AH2	10061-01-5
Cyclohexane	20.4	ND	71	ND	40.7	09/05/13 13:17 AH2	110-82-7
Dibromochloromethane	20.4	ND	180	ND	40.7	09/05/13 13:17 AH2	124-48-1
Dichlorotetrafluoroethane	20.4	ND	140	ND	40.7	09/05/13 13:17 AH2	76-14-2
Ethyl acetate	20.4	ND	75	ND	40.7	09/05/13 13:17 AH2	141-78-6

SUPPLEMENTAL REPORT

Units Conversion Request

Pace Analytical Services, Inc.
1700 Elm Street – Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: PASI-NY
Phone: (518)346-4592

Lab Project Number: 10239764
Project Name: 13080577 PES

Ethylbenzene	20.4	ND	90	ND	40.7	09/05/13 13:17	AH2	100-41-4
Hexachloro-1,3-butadiene	20.4	ND	220	ND	40.7	09/05/13 13:17	AH2	87-68-3
m&p-Xylene	40.7	ND	180	ND	40.7	09/05/13 13:17	AH2	179601-23-
Methylene Chloride	20.4	80.2	72	283	40.7	09/05/13 13:17	AH2	75-09-2
Methyl-tert-butyl ether	20.4	ND	75	ND	40.7	09/05/13 13:17	AH2	1634-04-4
n-Heptane	20.4	ND	85	ND	40.7	09/05/13 13:17	AH2	142-82-5
n-Hexane	20.4	ND	73	ND	40.7	09/05/13 13:17	AH2	110-54-3
o-Xylene	20.4	ND	90	ND	40.7	09/05/13 13:17	AH2	95-47-6
Propylene	20.4	ND	36	ND	40.7	09/05/13 13:17	AH2	115-07-1
Styrene	20.4	ND	88	ND	40.7	09/05/13 13:17	AH2	100-42-5
Tetrachloroethene	20.4	122	140	841	40.7	09/05/13 13:17	AH2	127-18-4
Tetrahydrofuran	20.4	ND	61	ND	40.7	09/05/13 13:17	AH2	109-99-9
Toluene	20.4	ND	78	ND	40.7	09/05/13 13:17	AH2	108-88-3
trans-1,2-Dichloroethene	20.4	ND	82	ND	40.7	09/05/13 13:17	AH2	156-60-5
trans-1,3-Dichloropropene	20.4	ND	94	ND	40.7	09/05/13 13:17	AH2	10061-02-6
Trichloroethene	20.4	ND	110	ND	40.7	09/05/13 13:17	AH2	79-01-6
Vinyl acetate	20.4	ND	73	ND	40.7	09/05/13 13:17	AH2	108-05-4
Vinyl bromide	20.4	ND		alyte not foun	40.7	09/05/13 13:17	AH2	593-60-2
Vinyl chloride	20.4	ND	53	ND	40.7	09/05/13 13:17	AH2	75-01-4

5

SUPPLEMENTAL REPORT

Units Conversion Request

Date: 9/10/2013

Pace Analytical Services, Inc.
1700 Elm Street – Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: PASI-NY
Phone: (518)346-4592

Lab Project Number: 10239764
Project Name: 13080577 PES

Lab Sample No: 10239764005 ProjSampleNum: 10239764005 Date Collected: 08/23/13 12:40
Client Sample ID: SVE Effluent AQ23937 Matrix: Air Date Received: 08/24/13 8:40

Parameters	Report Limit ppbv	Results ppbv	Report Limit ug/m3	Results ug/m3	DF	Analyzed	CAS No.
Air							
TO-15							
1,1,1-Trichloroethane	33.8	ND	190	ND	67.6	09/05/13 12:52 AH2	71-55-6
1,1,2,2-Tetrachloroethane	33.8	ND	240	ND	67.6	09/05/13 12:52 AH2	79-34-5
1,1,2-Trichloroethane	33.8	ND	190	ND	67.6	09/05/13 12:52 AH2	79-00-5
1,1,2-Trichlorotrifluoroethane	33.8	ND	260	ND	67.6	09/05/13 12:52 AH2	76-13-1
1,1-Dichloroethane	33.8	ND	140	ND	67.6	09/05/13 12:52 AH2	75-34-3
1,1-Dichloroethene	33.8	ND	140	ND	67.6	09/05/13 12:52 AH2	75-35-4
1,2,4-Trichlorobenzene	33.8	ND	250	ND	67.6	09/05/13 12:52 AH2	120-82-1
1,2,4-Trimethylbenzene	33.8	ND	170	ND	67.6	09/05/13 12:52 AH2	95-63-6
1,2-Dibromoethane (EDB)	33.8	ND	260	ND	67.6	09/05/13 12:52 AH2	106-93-4
1,2-Dichlorobenzene	33.8	ND	210	ND	67.6	09/05/13 12:52 AH2	95-50-1
1,2-Dichloroethane	33.8	ND	140	ND	67.6	09/05/13 12:52 AH2	107-06-2
1,2-Dichloropropane	33.8	ND	160	ND	67.6	09/05/13 12:52 AH2	78-87-5
1,3,5-Trimethylbenzene	33.8	ND	170	ND	67.6	09/05/13 12:52 AH2	108-67-8
1,3-Butadiene	33.8	ND	76	ND	67.6	09/05/13 12:52 AH2	106-99-0
1,3-Dichlorobenzene	33.8	ND	210	ND	67.6	09/05/13 12:52 AH2	541-73-1
1,4-Dichlorobenzene	33.8	ND	210	ND	67.6	09/05/13 12:52 AH2	106-46-7
1,4-Dioxane (p-Dioxane)	33.8	ND	120	ND	67.6	09/05/13 12:52 AH2	123-91-1
2,2,4-Trimethylpentane	33.8	ND	160	ND	67.6	09/05/13 12:52 AH2	540-84-1
2-Butanone (MEK)	33.8	ND	100	ND	67.6	09/05/13 12:52 AH2	78-93-3
2-Hexanone	33.8	ND	140	ND	67.6	09/05/13 12:52 AH2	591-78-6
2-Propanol	33.8	38.0	84	94.9	67.6	09/05/13 12:52 AH2	67-63-0
4-Ethyltoluene	33.8	ND	170	ND	67.6	09/05/13 12:52 AH2	622-96-8
4-Methyl-2-pentanone (MIBK)	33.8	ND	140	ND	67.6	09/05/13 12:52 AH2	108-10-1
Acetone	33.8	ND	82	ND	67.6	09/05/13 12:52 AH2	67-64-1
Allyl chloride	33.8	ND	110	ND	67.6	09/05/13 12:52 AH2	107-05-1
Benzene	33.8	ND	110	ND	67.6	09/05/13 12:52 AH2	71-43-2
Bromodichloromethane	33.8	ND	230	ND	67.6	09/05/13 12:52 AH2	75-27-4
Bromoform	33.8	ND	360	ND	67.6	09/05/13 12:52 AH2	75-25-2
Bromomethane	33.8	ND	130	ND	67.6	09/05/13 12:52 AH2	74-83-9
Carbon disulfide	33.8	ND	110	ND	67.6	09/05/13 12:52 AH2	75-15-0
Carbon tetrachloride	33.8	ND	220	ND	67.6	09/05/13 12:52 AH2	56-23-5
Chlorobenzene	33.8	ND	160	ND	67.6	09/05/13 12:52 AH2	108-90-7
Chloroethane	33.8	ND	91	ND	67.6	09/05/13 12:52 AH2	75-00-3
Chloroform	33.8	ND	170	ND	67.6	09/05/13 12:52 AH2	67-66-3
Chloromethane	33.8	ND	71	ND	67.6	09/05/13 12:52 AH2	74-87-3
cis-1,2-Dichloroethene	33.8	ND	140	ND	67.6	09/05/13 12:52 AH2	156-59-2
cis-1,3-Dichloropropene	33.8	ND	160	ND	67.6	09/05/13 12:52 AH2	10061-01-5
Cyclohexane	33.8	ND	120	ND	67.6	09/05/13 12:52 AH2	110-82-7
Dibromochloromethane	33.8	ND	290	ND	67.6	09/05/13 12:52 AH2	124-48-1
Dichlorotetrafluoroethane	33.8	ND	240	ND	67.6	09/05/13 12:52 AH2	76-14-2
Ethyl acetate	33.8	ND	120	ND	67.6	09/05/13 12:52 AH2	141-78-6

SUPPLEMENTAL REPORT

Units Conversion Request

Pace Analytical Services, Inc.
1700 Elm Street – Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: PASI-NY
Phone: (518)346-4592

Lab Project Number: 10239764
Project Name: 13080577 PES

Ethylbenzene	33.8	ND	150	ND	67.6	09/05/13 12:52	AH2	100-41-4
Hexachloro-1,3-butadiene	33.8	ND	370	ND	67.6	09/05/13 12:52	AH2	87-68-3
m&p-Xylene	67.6	ND	300	ND	67.6	09/05/13 12:52	AH2	179601-23-
Methylene Chloride	33.8	ND	120	ND	67.6	09/05/13 12:52	AH2	75-09-2
Methyl-tert-butyl ether	33.8	ND	120	ND	67.6	09/05/13 12:52	AH2	1634-04-4
n-Heptane	33.8	ND	140	ND	67.6	09/05/13 12:52	AH2	142-82-5
n-Hexane	33.8	ND	120	ND	67.6	09/05/13 12:52	AH2	110-54-3
o-Xylene	33.8	ND	150	ND	67.6	09/05/13 12:52	AH2	95-47-6
Propylene	33.8	ND	59	ND	67.6	09/05/13 12:52	AH2	115-07-1
Styrene	33.8	ND	150	ND	67.6	09/05/13 12:52	AH2	100-42-5
Tetrachloroethene	33.8	254	230	1750	67.6	09/05/13 12:52	AH2	127-18-4
Tetrahydrofuran	33.8	ND	100	ND	67.6	09/05/13 12:52	AH2	109-99-9
Toluene	33.8	ND	130	ND	67.6	09/05/13 12:52	AH2	108-88-3
trans-1,2-Dichloroethene	33.8	ND	140	ND	67.6	09/05/13 12:52	AH2	156-60-5
trans-1,3-Dichloropropene	33.8	ND	160	ND	67.6	09/05/13 12:52	AH2	10061-02-6
Trichloroethene	33.8	ND	180	ND	67.6	09/05/13 12:52	AH2	79-01-6
Vinyl acetate	33.8	ND	120	ND	67.6	09/05/13 12:52	AH2	108-05-4
Vinyl bromide	33.8	ND		alyte not foun	67.6	09/05/13 12:52	AH2	593-60-2
Vinyl chloride	33.8	ND	88	ND	67.6	09/05/13 12:52	AH2	75-01-4

5

SUPPLEMENTAL REPORT

Units Conversion Request

Date: 9/10/2013

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 13080577 PES
Pace Project No.: 10239764

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Hawaii Certification #Pace
Idaho Certification #: MN00064
Illinois Certification #: 200011
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nebraska Certification #: Pace
Nevada Certification #: MN_00064
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia/DCLS Certification #: 002521
Virginia/VELAP Certification #: 460163
Washington Certification #: C754
West Virginia Certification #: 382
Wisconsin Certification #: 999407970

5

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 13080577 PES
Pace Project No.: 10239764

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10239764001	**SSDS AQ23933**	Air	08/23/13 12:15	08/24/13 08:40
10239764002	**SVE-1 AQ23934**	Air	08/23/13 12:25	08/24/13 08:40
10239764003	**SVE-2 AQ23935**	Air	08/23/13 12:30	08/24/13 08:40
10239764004	**SVE-3 AQ23936**	Air	08/23/13 12:35	08/24/13 08:40
10239764005	**SVE Effluent AQ23937**	Air	08/23/13 12:40	08/24/13 08:40

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: 13080577 PES
Pace Project No.: 10239764

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10239764001	**SSDS AQ23933**	TO-15	AH2	60
10239764002	**SVE-1 AQ23934**	TO-15	AH2	60
10239764003	**SVE-2 AQ23935**	TO-15	AH2	60
10239764004	**SVE-3 AQ23936**	TO-15	AH2	60
10239764005	**SVE Effluent AQ23937**	TO-15	AH2	60

5

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 13080577 PES
Pace Project No.: 10239764

Sample: SSDS AQ23933 **Lab ID: 10239764001** Collected: 08/23/13 12:15 Received: 08/24/13 08:40 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Acetone	**23.0**	ppbv	17.4	34.8		09/05/13 12:02	67-64-1	
Allyl chloride	ND	ppbv	17.4	34.8		09/05/13 12:02	107-05-1	
Benzene	ND	ppbv	17.4	34.8		09/05/13 12:02	71-43-2	
Bromodichloromethane	ND	ppbv	17.4	34.8		09/05/13 12:02	75-27-4	
Bromoform	ND	ppbv	17.4	34.8		09/05/13 12:02	75-25-2	
Bromomethane	ND	ppbv	17.4	34.8		09/05/13 12:02	74-83-9	
1,3-Butadiene	ND	ppbv	17.4	34.8		09/05/13 12:02	106-99-0	
2-Butanone (MEK)	ND	ppbv	17.4	34.8		09/05/13 12:02	78-93-3	
Carbon disulfide	ND	ppbv	17.4	34.8		09/05/13 12:02	75-15-0	
Carbon tetrachloride	ND	ppbv	17.4	34.8		09/05/13 12:02	56-23-5	
Chlorobenzene	ND	ppbv	17.4	34.8		09/05/13 12:02	108-90-7	
Chloroethane	ND	ppbv	17.4	34.8		09/05/13 12:02	75-00-3	
Chloroform	ND	ppbv	17.4	34.8		09/05/13 12:02	67-66-3	
Chloromethane	ND	ppbv	17.4	34.8		09/05/13 12:02	74-87-3	A4
Cyclohexane	ND	ppbv	17.4	34.8		09/05/13 12:02	110-82-7	
Dibromochloromethane	ND	ppbv	17.4	34.8		09/05/13 12:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ppbv	17.4	34.8		09/05/13 12:02	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	17.4	34.8		09/05/13 12:02	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	17.4	34.8		09/05/13 12:02	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	17.4	34.8		09/05/13 12:02	106-46-7	
1,1-Dichloroethane	ND	ppbv	17.4	34.8		09/05/13 12:02	75-34-3	
1,2-Dichloroethane	ND	ppbv	17.4	34.8		09/05/13 12:02	107-06-2	
1,1-Dichloroethene	ND	ppbv	17.4	34.8		09/05/13 12:02	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	17.4	34.8		09/05/13 12:02	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	17.4	34.8		09/05/13 12:02	156-60-5	
1,2-Dichloropropane	ND	ppbv	17.4	34.8		09/05/13 12:02	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	17.4	34.8		09/05/13 12:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	17.4	34.8		09/05/13 12:02	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	17.4	34.8		09/05/13 12:02	76-14-2	
1,4-Dioxane (p-Dioxane)	ND	ppbv	17.4	34.8		09/05/13 12:02	123-91-1	
Ethyl acetate	**22.5**	ppbv	17.4	34.8		09/05/13 12:02	141-78-6	
Ethylbenzene	ND	ppbv	17.4	34.8		09/05/13 12:02	100-41-4	
4-Ethyltoluene	ND	ppbv	17.4	34.8		09/05/13 12:02	622-96-8	
n-Heptane	ND	ppbv	17.4	34.8		09/05/13 12:02	142-82-5	
Hexachloro-1,3-butadiene	ND	ppbv	17.4	34.8		09/05/13 12:02	87-68-3	
n-Hexane	ND	ppbv	17.4	34.8		09/05/13 12:02	110-54-3	
2-Hexanone	ND	ppbv	17.4	34.8		09/05/13 12:02	591-78-6	
Methylene Chloride	**40.3**	ppbv	17.4	34.8		09/05/13 12:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ppbv	17.4	34.8		09/05/13 12:02	108-10-1	
Methyl-tert-butyl ether	ND	ppbv	17.4	34.8		09/05/13 12:02	1634-04-4	
2-Propanol	**49.8**	ppbv	17.4	34.8		09/05/13 12:02	67-63-0	
Propylene	ND	ppbv	17.4	34.8		09/05/13 12:02	115-07-1	
Styrene	ND	ppbv	17.4	34.8		09/05/13 12:02	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	17.4	34.8		09/05/13 12:02	79-34-5	
Tetrachloroethene	**113**	ppbv	17.4	34.8		09/05/13 12:02	127-18-4	
Tetrahydrofuran	ND	ppbv	17.4	34.8		09/05/13 12:02	109-99-9	
Toluene	ND	ppbv	17.4	34.8		09/05/13 12:02	108-88-3	

5

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 13080577 PES
Pace Project No.: 10239764

Sample: SSDS AQ23933 **Lab ID: 10239764001** Collected: 08/23/13 12:15 Received: 08/24/13 08:40 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
1,2,4-Trichlorobenzene	ND	ppbv	17.4	34.8		09/05/13 12:02	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	17.4	34.8		09/05/13 12:02	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	17.4	34.8		09/05/13 12:02	79-00-5	
Trichloroethene	ND	ppbv	17.4	34.8		09/05/13 12:02	79-01-6	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	17.4	34.8		09/05/13 12:02	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	17.4	34.8		09/05/13 12:02	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	17.4	34.8		09/05/13 12:02	108-67-8	
2,2,4-Trimethylpentane	ND	ppbv	17.4	34.8		09/05/13 12:02	540-84-1	
Vinyl acetate	ND	ppbv	17.4	34.8		09/05/13 12:02	108-05-4	
Vinyl bromide	ND	ppbv	17.4	34.8		09/05/13 12:02	593-60-2	
Vinyl chloride	ND	ppbv	17.4	34.8		09/05/13 12:02	75-01-4	
m&p-Xylene	ND	ppbv	34.8	34.8		09/05/13 12:02	179601-23-1	
o-Xylene	ND	ppbv	17.4	34.8		09/05/13 12:02	95-47-6	

5

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 13080577 PES
Pace Project No.: 10239764

Sample: SVE-1 AQ23934 **Lab ID: 10239764002** Collected: 08/23/13 12:25 Received: 08/24/13 08:40 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Acetone	**19.3**	ppbv	7.3	14.62		09/05/13 12:27	67-64-1	
Allyl chloride	ND	ppbv	7.3	14.62		09/05/13 12:27	107-05-1	
Benzene	ND	ppbv	7.3	14.62		09/05/13 12:27	71-43-2	
Bromodichloromethane	ND	ppbv	7.3	14.62		09/05/13 12:27	75-27-4	
Bromoform	ND	ppbv	7.3	14.62		09/05/13 12:27	75-25-2	
Bromomethane	ND	ppbv	7.3	14.62		09/05/13 12:27	74-83-9	
1,3-Butadiene	ND	ppbv	7.3	14.62		09/05/13 12:27	106-99-0	
2-Butanone (MEK)	**15.2**	ppbv	7.3	14.62		09/05/13 12:27	78-93-3	
Carbon disulfide	ND	ppbv	7.3	14.62		09/05/13 12:27	75-15-0	
Carbon tetrachloride	ND	ppbv	7.3	14.62		09/05/13 12:27	56-23-5	
Chlorobenzene	ND	ppbv	7.3	14.62		09/05/13 12:27	108-90-7	
Chloroethane	ND	ppbv	7.3	14.62		09/05/13 12:27	75-00-3	
Chloroform	ND	ppbv	7.3	14.62		09/05/13 12:27	67-66-3	
Chloromethane	ND	ppbv	7.3	14.62		09/05/13 12:27	74-87-3	A4
Cyclohexane	ND	ppbv	7.3	14.62		09/05/13 12:27	110-82-7	
Dibromochloromethane	ND	ppbv	7.3	14.62		09/05/13 12:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ppbv	7.3	14.62		09/05/13 12:27	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	7.3	14.62		09/05/13 12:27	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	7.3	14.62		09/05/13 12:27	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	7.3	14.62		09/05/13 12:27	106-46-7	
1,1-Dichloroethane	ND	ppbv	7.3	14.62		09/05/13 12:27	75-34-3	
1,2-Dichloroethane	ND	ppbv	7.3	14.62		09/05/13 12:27	107-06-2	
1,1-Dichloroethene	ND	ppbv	7.3	14.62		09/05/13 12:27	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	7.3	14.62		09/05/13 12:27	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	7.3	14.62		09/05/13 12:27	156-60-5	
1,2-Dichloropropane	ND	ppbv	7.3	14.62		09/05/13 12:27	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	7.3	14.62		09/05/13 12:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	7.3	14.62		09/05/13 12:27	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	7.3	14.62		09/05/13 12:27	76-14-2	
1,4-Dioxane (p-Dioxane)	ND	ppbv	7.3	14.62		09/05/13 12:27	123-91-1	
Ethyl acetate	ND	ppbv	7.3	14.62		09/05/13 12:27	141-78-6	
Ethylbenzene	ND	ppbv	7.3	14.62		09/05/13 12:27	100-41-4	
4-Ethyltoluene	ND	ppbv	7.3	14.62		09/05/13 12:27	622-96-8	
n-Heptane	ND	ppbv	7.3	14.62		09/05/13 12:27	142-82-5	
Hexachloro-1,3-butadiene	ND	ppbv	7.3	14.62		09/05/13 12:27	87-68-3	
n-Hexane	ND	ppbv	7.3	14.62		09/05/13 12:27	110-54-3	
2-Hexanone	ND	ppbv	7.3	14.62		09/05/13 12:27	591-78-6	
Methylene Chloride	**33.3**	ppbv	7.3	14.62		09/05/13 12:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ppbv	7.3	14.62		09/05/13 12:27	108-10-1	
Methyl-tert-butyl ether	ND	ppbv	7.3	14.62		09/05/13 12:27	1634-04-4	
2-Propanol	**21.4**	ppbv	7.3	14.62		09/05/13 12:27	67-63-0	
Propylene	ND	ppbv	7.3	14.62		09/05/13 12:27	115-07-1	
Styrene	ND	ppbv	7.3	14.62		09/05/13 12:27	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	7.3	14.62		09/05/13 12:27	79-34-5	
Tetrachloroethene	**64.6**	ppbv	7.3	14.62		09/05/13 12:27	127-18-4	
Tetrahydrofuran	ND	ppbv	7.3	14.62		09/05/13 12:27	109-99-9	
Toluene	**66.9**	ppbv	7.3	14.62		09/05/13 12:27	108-88-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 13080577 PES
Pace Project No.: 10239764

Sample: SVE-1 AQ23934 **Lab ID: 10239764002** Collected: 08/23/13 12:25 Received: 08/24/13 08:40 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
1,2,4-Trichlorobenzene	ND	ppbv	7.3	14.62		09/05/13 12:27	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	7.3	14.62		09/05/13 12:27	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	7.3	14.62		09/05/13 12:27	79-00-5	
Trichloroethene	ND	ppbv	7.3	14.62		09/05/13 12:27	79-01-6	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	7.3	14.62		09/05/13 12:27	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	7.3	14.62		09/05/13 12:27	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	7.3	14.62		09/05/13 12:27	108-67-8	
2,2,4-Trimethylpentane	ND	ppbv	7.3	14.62		09/05/13 12:27	540-84-1	
Vinyl acetate	ND	ppbv	7.3	14.62		09/05/13 12:27	108-05-4	
Vinyl bromide	ND	ppbv	7.3	14.62		09/05/13 12:27	593-60-2	
Vinyl chloride	ND	ppbv	7.3	14.62		09/05/13 12:27	75-01-4	
m&p-Xylene	ND	ppbv	14.6	14.62		09/05/13 12:27	179601-23-1	
o-Xylene	ND	ppbv	7.3	14.62		09/05/13 12:27	95-47-6	

5

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 13080577 PES
Pace Project No.: 10239764

Sample: SVE-2 AQ23935 **Lab ID: 10239764003** Collected: 08/23/13 12:30 Received: 08/24/13 08:40 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Acetone	**39.4**	ppbv	20.4	40.84		09/05/13 13:43	67-64-1	
Allyl chloride	ND	ppbv	20.4	40.84		09/05/13 13:43	107-05-1	
Benzene	ND	ppbv	20.4	40.84		09/05/13 13:43	71-43-2	
Bromodichloromethane	ND	ppbv	20.4	40.84		09/05/13 13:43	75-27-4	
Bromoform	ND	ppbv	20.4	40.84		09/05/13 13:43	75-25-2	
Bromomethane	ND	ppbv	20.4	40.84		09/05/13 13:43	74-83-9	
1,3-Butadiene	ND	ppbv	20.4	40.84		09/05/13 13:43	106-99-0	
2-Butanone (MEK)	ND	ppbv	20.4	40.84		09/05/13 13:43	78-93-3	
Carbon disulfide	ND	ppbv	20.4	40.84		09/05/13 13:43	75-15-0	
Carbon tetrachloride	ND	ppbv	20.4	40.84		09/05/13 13:43	56-23-5	
Chlorobenzene	ND	ppbv	20.4	40.84		09/05/13 13:43	108-90-7	
Chloroethane	ND	ppbv	20.4	40.84		09/05/13 13:43	75-00-3	
Chloroform	ND	ppbv	20.4	40.84		09/05/13 13:43	67-66-3	
Chloromethane	ND	ppbv	20.4	40.84		09/05/13 13:43	74-87-3	A4
Cyclohexane	ND	ppbv	20.4	40.84		09/05/13 13:43	110-82-7	
Dibromochloromethane	ND	ppbv	20.4	40.84		09/05/13 13:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ppbv	20.4	40.84		09/05/13 13:43	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	20.4	40.84		09/05/13 13:43	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	20.4	40.84		09/05/13 13:43	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	20.4	40.84		09/05/13 13:43	106-46-7	
1,1-Dichloroethane	ND	ppbv	20.4	40.84		09/05/13 13:43	75-34-3	
1,2-Dichloroethane	ND	ppbv	20.4	40.84		09/05/13 13:43	107-06-2	
1,1-Dichloroethene	ND	ppbv	20.4	40.84		09/05/13 13:43	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	20.4	40.84		09/05/13 13:43	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	20.4	40.84		09/05/13 13:43	156-60-5	
1,2-Dichloropropane	ND	ppbv	20.4	40.84		09/05/13 13:43	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	20.4	40.84		09/05/13 13:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	20.4	40.84		09/05/13 13:43	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	20.4	40.84		09/05/13 13:43	76-14-2	
1,4-Dioxane (p-Dioxane)	ND	ppbv	20.4	40.84		09/05/13 13:43	123-91-1	
Ethyl acetate	ND	ppbv	20.4	40.84		09/05/13 13:43	141-78-6	
Ethylbenzene	ND	ppbv	20.4	40.84		09/05/13 13:43	100-41-4	
4-Ethyltoluene	ND	ppbv	20.4	40.84		09/05/13 13:43	622-96-8	
n-Heptane	ND	ppbv	20.4	40.84		09/05/13 13:43	142-82-5	
Hexachloro-1,3-butadiene	ND	ppbv	20.4	40.84		09/05/13 13:43	87-68-3	
n-Hexane	ND	ppbv	20.4	40.84		09/05/13 13:43	110-54-3	
2-Hexanone	ND	ppbv	20.4	40.84		09/05/13 13:43	591-78-6	
Methylene Chloride	**47.1**	ppbv	20.4	40.84		09/05/13 13:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ppbv	20.4	40.84		09/05/13 13:43	108-10-1	
Methyl-tert-butyl ether	ND	ppbv	20.4	40.84		09/05/13 13:43	1634-04-4	
2-Propanol	ND	ppbv	20.4	40.84		09/05/13 13:43	67-63-0	
Propylene	ND	ppbv	20.4	40.84		09/05/13 13:43	115-07-1	
Styrene	ND	ppbv	20.4	40.84		09/05/13 13:43	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	20.4	40.84		09/05/13 13:43	79-34-5	
Tetrachloroethene	**54.1**	ppbv	20.4	40.84		09/05/13 13:43	127-18-4	
Tetrahydrofuran	ND	ppbv	20.4	40.84		09/05/13 13:43	109-99-9	
Toluene	ND	ppbv	20.4	40.84		09/05/13 13:43	108-88-3	

5

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 13080577 PES
Pace Project No.: 10239764

Sample: SVE-2 AQ23935 **Lab ID: 10239764003** Collected: 08/23/13 12:30 Received: 08/24/13 08:40 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
1,2,4-Trichlorobenzene	ND	ppbv	20.4	40.84		09/05/13 13:43	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	20.4	40.84		09/05/13 13:43	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	20.4	40.84		09/05/13 13:43	79-00-5	
Trichloroethene	ND	ppbv	20.4	40.84		09/05/13 13:43	79-01-6	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	20.4	40.84		09/05/13 13:43	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	20.4	40.84		09/05/13 13:43	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	20.4	40.84		09/05/13 13:43	108-67-8	
2,2,4-Trimethylpentane	ND	ppbv	20.4	40.84		09/05/13 13:43	540-84-1	
Vinyl acetate	ND	ppbv	20.4	40.84		09/05/13 13:43	108-05-4	
Vinyl bromide	ND	ppbv	20.4	40.84		09/05/13 13:43	593-60-2	
Vinyl chloride	ND	ppbv	20.4	40.84		09/05/13 13:43	75-01-4	
m&p-Xylene	ND	ppbv	40.8	40.84		09/05/13 13:43	179601-23-1	
o-Xylene	ND	ppbv	20.4	40.84		09/05/13 13:43	95-47-6	

5

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 13080577 PES
Pace Project No.: 10239764

Sample: SVE-3 AQ23936 **Lab ID: 10239764004** Collected: 08/23/13 12:35 Received: 08/24/13 08:40 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Acetone	**35.0**	ppbv	20.4	40.7		09/05/13 13:17	67-64-1	
Allyl chloride	ND	ppbv	20.4	40.7		09/05/13 13:17	107-05-1	
Benzene	ND	ppbv	20.4	40.7		09/05/13 13:17	71-43-2	
Bromodichloromethane	ND	ppbv	20.4	40.7		09/05/13 13:17	75-27-4	
Bromoform	ND	ppbv	20.4	40.7		09/05/13 13:17	75-25-2	
Bromomethane	ND	ppbv	20.4	40.7		09/05/13 13:17	74-83-9	
1,3-Butadiene	ND	ppbv	20.4	40.7		09/05/13 13:17	106-99-0	
2-Butanone (MEK)	ND	ppbv	20.4	40.7		09/05/13 13:17	78-93-3	
Carbon disulfide	ND	ppbv	20.4	40.7		09/05/13 13:17	75-15-0	
Carbon tetrachloride	ND	ppbv	20.4	40.7		09/05/13 13:17	56-23-5	
Chlorobenzene	ND	ppbv	20.4	40.7		09/05/13 13:17	108-90-7	
Chloroethane	ND	ppbv	20.4	40.7		09/05/13 13:17	75-00-3	
Chloroform	ND	ppbv	20.4	40.7		09/05/13 13:17	67-66-3	
Chloromethane	ND	ppbv	20.4	40.7		09/05/13 13:17	74-87-3	A4
Cyclohexane	ND	ppbv	20.4	40.7		09/05/13 13:17	110-82-7	
Dibromochloromethane	ND	ppbv	20.4	40.7		09/05/13 13:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ppbv	20.4	40.7		09/05/13 13:17	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	20.4	40.7		09/05/13 13:17	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	20.4	40.7		09/05/13 13:17	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	20.4	40.7		09/05/13 13:17	106-46-7	
1,1-Dichloroethane	ND	ppbv	20.4	40.7		09/05/13 13:17	75-34-3	
1,2-Dichloroethane	ND	ppbv	20.4	40.7		09/05/13 13:17	107-06-2	
1,1-Dichloroethene	ND	ppbv	20.4	40.7		09/05/13 13:17	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	20.4	40.7		09/05/13 13:17	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	20.4	40.7		09/05/13 13:17	156-60-5	
1,2-Dichloropropane	ND	ppbv	20.4	40.7		09/05/13 13:17	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	20.4	40.7		09/05/13 13:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	20.4	40.7		09/05/13 13:17	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	20.4	40.7		09/05/13 13:17	76-14-2	
1,4-Dioxane (p-Dioxane)	ND	ppbv	20.4	40.7		09/05/13 13:17	123-91-1	
Ethyl acetate	ND	ppbv	20.4	40.7		09/05/13 13:17	141-78-6	
Ethylbenzene	ND	ppbv	20.4	40.7		09/05/13 13:17	100-41-4	
4-Ethyltoluene	ND	ppbv	20.4	40.7		09/05/13 13:17	622-96-8	
n-Heptane	ND	ppbv	20.4	40.7		09/05/13 13:17	142-82-5	
Hexachloro-1,3-butadiene	ND	ppbv	20.4	40.7		09/05/13 13:17	87-68-3	
n-Hexane	ND	ppbv	20.4	40.7		09/05/13 13:17	110-54-3	
2-Hexanone	ND	ppbv	20.4	40.7		09/05/13 13:17	591-78-6	
Methylene Chloride	**80.2**	ppbv	20.4	40.7		09/05/13 13:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ppbv	20.4	40.7		09/05/13 13:17	108-10-1	
Methyl-tert-butyl ether	ND	ppbv	20.4	40.7		09/05/13 13:17	1634-04-4	
2-Propanol	**92.5**	ppbv	20.4	40.7		09/05/13 13:17	67-63-0	
Propylene	ND	ppbv	20.4	40.7		09/05/13 13:17	115-07-1	
Styrene	ND	ppbv	20.4	40.7		09/05/13 13:17	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	20.4	40.7		09/05/13 13:17	79-34-5	
Tetrachloroethene	**122**	ppbv	20.4	40.7		09/05/13 13:17	127-18-4	
Tetrahydrofuran	ND	ppbv	20.4	40.7		09/05/13 13:17	109-99-9	
Toluene	ND	ppbv	20.4	40.7		09/05/13 13:17	108-88-3	

5

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 13080577 PES
Pace Project No.: 10239764

Sample: SVE-3 AQ23936 **Lab ID: 10239764004** Collected: 08/23/13 12:35 Received: 08/24/13 08:40 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
1,2,4-Trichlorobenzene	ND	ppbv	20.4	40.7		09/05/13 13:17	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	20.4	40.7		09/05/13 13:17	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	20.4	40.7		09/05/13 13:17	79-00-5	
Trichloroethene	ND	ppbv	20.4	40.7		09/05/13 13:17	79-01-6	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	20.4	40.7		09/05/13 13:17	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	20.4	40.7		09/05/13 13:17	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	20.4	40.7		09/05/13 13:17	108-67-8	
2,2,4-Trimethylpentane	ND	ppbv	20.4	40.7		09/05/13 13:17	540-84-1	
Vinyl acetate	ND	ppbv	20.4	40.7		09/05/13 13:17	108-05-4	
Vinyl bromide	ND	ppbv	20.4	40.7		09/05/13 13:17	593-60-2	
Vinyl chloride	ND	ppbv	20.4	40.7		09/05/13 13:17	75-01-4	
m&p-Xylene	ND	ppbv	40.7	40.7		09/05/13 13:17	179601-23-1	
o-Xylene	ND	ppbv	20.4	40.7		09/05/13 13:17	95-47-6	

5

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 13080577 PES
Pace Project No.: 10239764

Sample: SVE Effluent AQ23937 **Lab ID: 10239764005** Collected: 08/23/13 12:40 Received: 08/24/13 08:40 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Acetone	ND	ppbv	33.8	67.6		09/05/13 12:52	67-64-1	
Allyl chloride	ND	ppbv	33.8	67.6		09/05/13 12:52	107-05-1	
Benzene	ND	ppbv	33.8	67.6		09/05/13 12:52	71-43-2	
Bromodichloromethane	ND	ppbv	33.8	67.6		09/05/13 12:52	75-27-4	
Bromoform	ND	ppbv	33.8	67.6		09/05/13 12:52	75-25-2	
Bromomethane	ND	ppbv	33.8	67.6		09/05/13 12:52	74-83-9	
1,3-Butadiene	ND	ppbv	33.8	67.6		09/05/13 12:52	106-99-0	
2-Butanone (MEK)	ND	ppbv	33.8	67.6		09/05/13 12:52	78-93-3	
Carbon disulfide	ND	ppbv	33.8	67.6		09/05/13 12:52	75-15-0	
Carbon tetrachloride	ND	ppbv	33.8	67.6		09/05/13 12:52	56-23-5	
Chlorobenzene	ND	ppbv	33.8	67.6		09/05/13 12:52	108-90-7	
Chloroethane	ND	ppbv	33.8	67.6		09/05/13 12:52	75-00-3	
Chloroform	ND	ppbv	33.8	67.6		09/05/13 12:52	67-66-3	
Chloromethane	ND	ppbv	33.8	67.6		09/05/13 12:52	74-87-3	A4
Cyclohexane	ND	ppbv	33.8	67.6		09/05/13 12:52	110-82-7	
Dibromochloromethane	ND	ppbv	33.8	67.6		09/05/13 12:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ppbv	33.8	67.6		09/05/13 12:52	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	33.8	67.6		09/05/13 12:52	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	33.8	67.6		09/05/13 12:52	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	33.8	67.6		09/05/13 12:52	106-46-7	
1,1-Dichloroethane	ND	ppbv	33.8	67.6		09/05/13 12:52	75-34-3	
1,2-Dichloroethane	ND	ppbv	33.8	67.6		09/05/13 12:52	107-06-2	
1,1-Dichloroethene	ND	ppbv	33.8	67.6		09/05/13 12:52	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	33.8	67.6		09/05/13 12:52	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	33.8	67.6		09/05/13 12:52	156-60-5	
1,2-Dichloropropane	ND	ppbv	33.8	67.6		09/05/13 12:52	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	33.8	67.6		09/05/13 12:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	33.8	67.6		09/05/13 12:52	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	33.8	67.6		09/05/13 12:52	76-14-2	
1,4-Dioxane (p-Dioxane)	ND	ppbv	33.8	67.6		09/05/13 12:52	123-91-1	
Ethyl acetate	ND	ppbv	33.8	67.6		09/05/13 12:52	141-78-6	
Ethylbenzene	ND	ppbv	33.8	67.6		09/05/13 12:52	100-41-4	
4-Ethyltoluene	ND	ppbv	33.8	67.6		09/05/13 12:52	622-96-8	
n-Heptane	ND	ppbv	33.8	67.6		09/05/13 12:52	142-82-5	
Hexachloro-1,3-butadiene	ND	ppbv	33.8	67.6		09/05/13 12:52	87-68-3	
n-Hexane	ND	ppbv	33.8	67.6		09/05/13 12:52	110-54-3	
2-Hexanone	ND	ppbv	33.8	67.6		09/05/13 12:52	591-78-6	
Methylene Chloride	ND	ppbv	33.8	67.6		09/05/13 12:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ppbv	33.8	67.6		09/05/13 12:52	108-10-1	
Methyl-tert-butyl ether	ND	ppbv	33.8	67.6		09/05/13 12:52	1634-04-4	
2-Propanol	**38.0**	ppbv	33.8	67.6		09/05/13 12:52	67-63-0	
Propylene	ND	ppbv	33.8	67.6		09/05/13 12:52	115-07-1	
Styrene	ND	ppbv	33.8	67.6		09/05/13 12:52	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	33.8	67.6		09/05/13 12:52	79-34-5	
Tetrachloroethene	**254**	ppbv	33.8	67.6		09/05/13 12:52	127-18-4	
Tetrahydrofuran	ND	ppbv	33.8	67.6		09/05/13 12:52	109-99-9	
Toluene	ND	ppbv	33.8	67.6		09/05/13 12:52	108-88-3	

5

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 13080577 PES
Pace Project No.: 10239764

Sample: SVE Effluent AQ23937 **Lab ID: 10239764005** Collected: 08/23/13 12:40 Received: 08/24/13 08:40 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
1,2,4-Trichlorobenzene	ND	ppbv	33.8	67.6		09/05/13 12:52	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	33.8	67.6		09/05/13 12:52	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	33.8	67.6		09/05/13 12:52	79-00-5	
Trichloroethene	ND	ppbv	33.8	67.6		09/05/13 12:52	79-01-6	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	33.8	67.6		09/05/13 12:52	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	33.8	67.6		09/05/13 12:52	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	33.8	67.6		09/05/13 12:52	108-67-8	
2,2,4-Trimethylpentane	ND	ppbv	33.8	67.6		09/05/13 12:52	540-84-1	
Vinyl acetate	ND	ppbv	33.8	67.6		09/05/13 12:52	108-05-4	
Vinyl bromide	ND	ppbv	33.8	67.6		09/05/13 12:52	593-60-2	
Vinyl chloride	ND	ppbv	33.8	67.6		09/05/13 12:52	75-01-4	
m&p-Xylene	ND	ppbv	67.6	67.6		09/05/13 12:52	179601-23-1	
o-Xylene	ND	ppbv	33.8	67.6		09/05/13 12:52	95-47-6	

5

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 13080577 PES
Pace Project No.: 10239764

QC Batch: AIR/18153 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR
Associated Lab Samples: 10239764001, 10239764002, 10239764003, 10239764004, 10239764005

METHOD BLANK: 1516436 Matrix: Air
Associated Lab Samples: 10239764001, 10239764002, 10239764003, 10239764004, 10239764005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ppbv	ND	0.50	09/05/13 10:10	
1,1,2,2-Tetrachloroethane	ppbv	ND	0.50	09/05/13 10:10	
1,1,2-Trichloroethane	ppbv	ND	0.50	09/05/13 10:10	
1,1,2-Trichlorotrifluoroethane	ppbv	ND	0.50	09/05/13 10:10	
1,1-Dichloroethane	ppbv	ND	0.50	09/05/13 10:10	
1,1-Dichloroethene	ppbv	ND	0.50	09/05/13 10:10	
1,2,4-Trichlorobenzene	ppbv	ND	0.50	09/05/13 10:10	
1,2,4-Trimethylbenzene	ppbv	ND	0.50	09/05/13 10:10	
1,2-Dibromoethane (EDB)	ppbv	ND	0.50	09/05/13 10:10	
1,2-Dichlorobenzene	ppbv	ND	0.50	09/05/13 10:10	
1,2-Dichloroethane	ppbv	ND	0.50	09/05/13 10:10	
1,2-Dichloropropane	ppbv	ND	0.50	09/05/13 10:10	
1,3,5-Trimethylbenzene	ppbv	ND	0.50	09/05/13 10:10	
1,3-Butadiene	ppbv	ND	0.50	09/05/13 10:10	
1,3-Dichlorobenzene	ppbv	ND	0.50	09/05/13 10:10	
1,4-Dichlorobenzene	ppbv	ND	0.50	09/05/13 10:10	
1,4-Dioxane (p-Dioxane)	ppbv	ND	0.50	09/05/13 10:10	
2,2,4-Trimethylpentane	ppbv	ND	0.50	09/05/13 10:10	
2-Butanone (MEK)	ppbv	ND	0.50	09/05/13 10:10	
2-Hexanone	ppbv	ND	0.50	09/05/13 10:10	
2-Propanol	ppbv	ND	0.50	09/05/13 10:10	
4-Ethyltoluene	ppbv	ND	0.50	09/05/13 10:10	
4-Methyl-2-pentanone (MIBK)	ppbv	ND	0.50	09/05/13 10:10	
Acetone	ppbv	ND	0.50	09/05/13 10:10	
Allyl chloride	ppbv	ND	0.50	09/05/13 10:10	
Benzene	ppbv	ND	0.50	09/05/13 10:10	
Bromodichloromethane	ppbv	ND	0.50	09/05/13 10:10	
Bromoform	ppbv	ND	0.50	09/05/13 10:10	
Bromomethane	ppbv	ND	0.50	09/05/13 10:10	
Carbon disulfide	ppbv	ND	0.50	09/05/13 10:10	
Carbon tetrachloride	ppbv	ND	0.50	09/05/13 10:10	
Chlorobenzene	ppbv	ND	0.50	09/05/13 10:10	
Chloroethane	ppbv	ND	0.50	09/05/13 10:10	
Chloroform	ppbv	ND	0.50	09/05/13 10:10	
Chloromethane	ppbv	ND	0.50	09/05/13 10:10	
cis-1,2-Dichloroethene	ppbv	ND	0.50	09/05/13 10:10	
cis-1,3-Dichloropropene	ppbv	ND	0.50	09/05/13 10:10	
Cyclohexane	ppbv	ND	0.50	09/05/13 10:10	
Dibromochloromethane	ppbv	ND	0.50	09/05/13 10:10	
Dichlorotetrafluoroethane	ppbv	ND	0.50	09/05/13 10:10	
Ethyl acetate	ppbv	ND	0.50	09/05/13 10:10	
Ethylbenzene	ppbv	ND	0.50	09/05/13 10:10	
Hexachloro-1,3-butadiene	ppbv	ND	0.50	09/05/13 10:10	

5

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 13080577 PES
Pace Project No.: 10239764

METHOD BLANK: 1516436 Matrix: Air

Associated Lab Samples: 10239764001, 10239764002, 10239764003, 10239764004, 10239764005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ppbv	ND	1.0	09/05/13 10:10	
Methyl-tert-butyl ether	ppbv	ND	0.50	09/05/13 10:10	
Methylene Chloride	ppbv	ND	0.50	09/05/13 10:10	
n-Heptane	ppbv	ND	0.50	09/05/13 10:10	
n-Hexane	ppbv	ND	0.50	09/05/13 10:10	
o-Xylene	ppbv	ND	0.50	09/05/13 10:10	
Propylene	ppbv	ND	0.50	09/05/13 10:10	
Styrene	ppbv	ND	0.50	09/05/13 10:10	
Tetrachloroethene	ppbv	ND	0.50	09/05/13 10:10	
Tetrahydrofuran	ppbv	ND	0.50	09/05/13 10:10	
Toluene	ppbv	ND	0.50	09/05/13 10:10	
trans-1,2-Dichloroethene	ppbv	ND	0.50	09/05/13 10:10	
trans-1,3-Dichloropropene	ppbv	ND	0.50	09/05/13 10:10	
Trichloroethene	ppbv	ND	0.50	09/05/13 10:10	
Vinyl acetate	ppbv	ND	0.50	09/05/13 10:10	
Vinyl bromide	ppbv	ND	0.50	09/05/13 10:10	
Vinyl chloride	ppbv	ND	0.50	09/05/13 10:10	

LABORATORY CONTROL SAMPLE: 1516437

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ppbv	10	9.8	98	69-131	
1,1,2,2-Tetrachloroethane	ppbv	10	10.3	103	66-135	
1,1,2-Trichloroethane	ppbv	10	10.4	104	68-132	
1,1,2-Trichlorotrifluoroethane	ppbv	10	9.8	98	65-130	
1,1-Dichloroethane	ppbv	10	9.5	95	66-131	
1,1-Dichloroethene	ppbv	10	9.8	98	64-136	
1,2,4-Trichlorobenzene	ppbv	10	11.0	110	30-150	
1,2,4-Trimethylbenzene	ppbv	10	10.7	107	71-135	
1,2-Dibromoethane (EDB)	ppbv	10	10.2	102	72-132	
1,2-Dichlorobenzene	ppbv	10	10.9	109	68-148	
1,2-Dichloroethane	ppbv	10	9.9	99	66-136	
1,2-Dichloropropane	ppbv	10	9.8	98	68-133	
1,3,5-Trimethylbenzene	ppbv	10	10.6	106	69-136	
1,3-Butadiene	ppbv	10	9.9	99	69-134	
1,3-Dichlorobenzene	ppbv	10	10.9	109	70-134	
1,4-Dichlorobenzene	ppbv	10	11.0	110	66-134	
1,4-Dioxane (p-Dioxane)	ppbv		11.9			
2,2,4-Trimethylpentane	ppbv	10	9.7	97	70-130	
2-Butanone (MEK)	ppbv	10	10.3	103	69-141	
2-Hexanone	ppbv	10	10.3	103	74-132	
2-Propanol	ppbv	10	11.2	112	64-139	
4-Ethyltoluene	ppbv	10	10.4	104	71-134	
4-Methyl-2-pentanone (MIBK)	ppbv	10	11.0	110	74-131	
Acetone	ppbv	10	9.1	91	62-142	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 13080577 PES
Pace Project No.: 10239764

LABORATORY CONTROL SAMPLE: 1516437

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Allyl chloride	ppbv		10			
Benzene	ppbv	10	10.3	103	72-136	
Bromodichloromethane	ppbv	10	10.3	103	69-135	
Bromoform	ppbv	10	10.7	107	72-133	
Bromomethane	ppbv	10	9.8	98	65-125	
Carbon disulfide	ppbv	10	10.3	103	68-127	
Carbon tetrachloride	ppbv	10	10.9	109	64-133	
Chlorobenzene	ppbv	10	10.4	104	65-135	
Chloroethane	ppbv	10	10.6	106	63-129	
Chloroform	ppbv	10	9.9	99	66-129	
Chloromethane	ppbv	10	9.4	94	57-135	
cis-1,2-Dichloroethene	ppbv	10	10.7	107	73-135	
cis-1,3-Dichloropropene	ppbv	10	10.2	102	75-137	
Cyclohexane	ppbv	10	10.1	101	73-139	
Dibromochloromethane	ppbv	10	10.4	104	73-130	
Dichlorotetrafluoroethane	ppbv	10	9.9	99	64-131	
Ethyl acetate	ppbv	10	10.4	104	73-136	
Ethylbenzene	ppbv	10	10.4	104	74-136	
Hexachloro-1,3-butadiene	ppbv	10	9.7	97	30-150	
m&p-Xylene	ppbv	10	10.5	105	72-135	
Methyl-tert-butyl ether	ppbv	10	9.7	97	71-134	
Methylene Chloride	ppbv	10	9.0	90	59-140	
n-Heptane	ppbv	10	10	100	73-136	
n-Hexane	ppbv	10	10.2	102	67-136	
o-Xylene	ppbv	10	10.2	102	74-135	
Propylene	ppbv	10	9.5	95	66-138	
Styrene	ppbv	10	10.5	105	73-135	
Tetrachloroethene	ppbv	10	10.8	108	66-135	
Tetrahydrofuran	ppbv	10	10.2	102	73-130	
Toluene	ppbv	10	10.8	108	71-134	
trans-1,2-Dichloroethene	ppbv	10	10.9	109	68-129	
trans-1,3-Dichloropropene	ppbv	10	9.8	98	75-129	
Trichloroethene	ppbv	10	11.1	111	68-134	
Vinyl acetate	ppbv	10	9.5	95	70-139	
Vinyl bromide	ppbv		10.3			
Vinyl chloride	ppbv	10	9.7	97	64-134	

5

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: 13080577 PES
Pace Project No.: 10239764

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

A4 Sample was transferred from a sampling bag into a Summa Canister within 48 hours of collection.

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 13080577 PES
Pace Project No.: 10239764

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10239764001	**SSDS AQ23933**	TO-15	AIR/18153		
10239764002	**SVE-1 AQ23934**	TO-15	AIR/18153		
10239764003	**SVE-2 AQ23935**	TO-15	AIR/18153		
10239764004	**SVE-3 AQ23936**	TO-15	AIR/18153		
10239764005	**SVE Effluent AQ23937**	TO-15	AIR/18153		

5

10239764

CHAIN OF CUSTODY RECORD

Pace Analytical Services, Inc.
2190 Technology Drive, Schenectady, NY 12308
Telephone (518) 346-4592 Fax (518) 381-6055
www.pacelabs.com

LRF # 13080577
(LAB USE ONLY)

DISPOSAL REQUIREMENTS: (To be filled in by Client)
- ○ RETURN TO CLIENT
- ● DISPOSAL BY RECEIVING LAB
- ○ ARCHIVAL BY RECEIVING LAB

Additional charges incurred for disposal (if hazardous) or archival.
Call for details.

CLIENT (REPORTS TO BE SENT TO): PACE

PROJECT#/PROJECT NAME: 13080577

LOCATION (CITY/STATE) ADDRESS: NY

PROJECT MANAGER: Kelly Miller

REQUIRED TURN AROUND TIME: 9/8/2013

SAMPLED BY: (Please Print)

SAMPLING FIRM:

NAME OF COURIER (IF USED):

ELECTRONIC RESULTS: KELLYM@NEALAB.COM

FAXED RESULTS: FAX #:

ENTER ANALYSIS AND METHOD NUMBER REQUESTED

PRESERVATIVE KEY: 0 - ICE; 1 - HCL; 2 - HNO3; 3 - H2SO4; 4 - NaOH; 5 - Zn. Acetate; 6 - MeOH; 7 - NaHSO4; 8 - Other (Na2SO3)

SAMPLE ID	DATE	TIME	MATRIX	GRAB/ COMP	LAB SAMPLE ID (LAB USE ONLY)	PRESERVATIVE CODE	BOTTLE TYPE	BOTTLE SIZE	NUMBER OF CONTAINERS	TO-15	REMARKS:
SSDS	8/23/13	12:15	AIR	GRAB	AQ23933				1	X	
SVE -1	8/23/13	12:25	AIR	GRAB	AQ23934				1	X	
SVE -2	8/23/13	12:30	AIR	GRAB	AQ23935				1	X	
SVE -3	8/23/13	12:35	AIR	GRAB	AQ23936				1	X	
SVE EFFLUENT	8/23/13	12:40	AIR	GRAB	AQ23937				1	X	

AMBIENT OR CHILLED: Ambient TEMP:
RECEIVED BROKEN OR LEAKING: Y (N)
COC TAPE: (Y) N
COC DISCREPANCIES: Y (N)
PROPERLY PRESERVED: (Y) N
RECVD W/I HOLDING TIMES: (Y) N
OTHER NOTES:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
SIGNATURE: [signature]	SIGNATURE: [signature]	SIGNATURE:	SIGNATURE:	SIGNATURE:	SIGNATURE:
PRINTED NAME: Pierre Frankell	PRINTED NAME: Justin Benjamin	PRINTED NAME:	PRINTED NAME:	PRINTED NAME:	PRINTED NAME:
COMPANY: OAUK	COMPANY: Pace MW	COMPANY:	COMPANY:	COMPANY:	COMPANY:
DATE/TIME: 8/23/13	DATE/TIME: 8/24/13 0840	DATE/TIME:	DATE/TIME:	DATE/TIME:	DATE/TIME:

S:\LOGIN\MDLCOCS

Pace Analytical®	Document Name: Air Sample Condition Upon Receipt	Document Revised: 28Jan2013 Page 1 of 1
	Document No.: F-MN-A-106-rev.07	Issuing Authority: Pace Minnesota Quality Office

Air Sample Condition Upon Receipt

Client Name: Pace NY

Project #: WO# : 10239764

10239764

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other: _____

Tracking Number: 5664 6911 0408

Custody Seal on Cooler/Box Present? ☒ Yes ☐ No **Seals Intact?** ☒ Yes ☐ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☒ Bubble Wrap ☐ Bubble Bags ☐ Foam ☐ None ☐ Other: _____

Temp. (TO17 and TO13 samples only) (°C): amb **Corrected Temp (°C):** _____ **Thermom. Used:** ☐ B88A912167504 ☐ 80512447 ☐ 72337080

Temp should be above freezing to 6°C **Correction Factor:** _____ **Date & Initials of Person Examining Contents:** JB 6/29/13

				Comments:
Chain of Custody Present?	☒ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☒ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☒ Yes	☐ No	☐ N/A	3.
Sampler Name and/or Signature on COC?	☐ Yes	☒ No	☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes	☐ No	☐ N/A	5. Not received on Saturday
Short Hold Time Analysis (<72 hr)?	☒ Yes	☐ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☒ No	☐ N/A	7.
Sufficient Volume?	☒ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☒ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☒ Yes	☐ No	☐ N/A	
Containers Intact?	☒ Yes	☐ No	☐ N/A	10.
Media: 5 bags				11.
Sample Labels Match COC?	☒ Yes	☐ No	☐ N/A	12.

Samples Received:

Canisters		Flow Controllers		Stand Alone G	
Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: ECH **Date:** 29 Aug 2013

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (I.e out of hold, incorrect preservative, out of temp, incorrect containers)