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

25 YEARS
1991 - 2016

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

June 17, 2016

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: Soil Vapor 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 soil vapor monitoring and ongoing remediation conducted at the above referenced site during the time period of June 2015 – May 2016. Soil Vapor monitoring conducted on August 31, 2015 consisted of sampling Soil Vapor Extraction (SVE) lines as well as SVE Effluent and Sub Slab depressurization System (SSDS) Effluent via EPA Method TO-15. Groundwater sampling and monitoring well gauging occurred on August 18, 2015. Remedial efforts during the monitoring period consisted of monitoring and maintaining a SVE system that has been in operation at the site since January 2011.

1.0 System Air Sampling

Samples were collected from the influent and effluent SVE system airstreams and effluent airstream of the sub slab depressurization system (SSDS) on August 31, 2015. All samples were collected 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 1 (Summary of VOCs in System Air Analytical Results) several VOCs, including Tetrachloroethene (PCE), 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 the recently collected data as indicated in Table 2 (PCE in Soil Vapor Over Time). A copy of the laboratory analytical report for the collected samples is included in Attachment 1.

2.0 Soil Vapor Extraction Status:

The purpose of the SVE system at this site is to mitigate the 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.

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) screening. The maximum concentration detected within the SVE effluent air stream during the current monitoring period was 487 parts per billion (ppb) which was recorded on July 22, 2015. A summary of the SVE effluent concentrations recorded during the monitoring period is included in the attached Table 3 (SVE System Removal Summary).

3.0 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-5, MW-6, MW-7, MW-8, and MW-9) during the August 2015 monitoring event to determine the depth to groundwater at each location. The documented depth to groundwater measurements in surveyed wells ranged from 2.29 feet (MW-4) to 8.51 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 184.34 feet (MW-8) to 195.67 (MW-3). The groundwater gauging and elevation data is presented in the attached Table 4 (Summary of Groundwater Gauging and Elevation Data).

4.0 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 5 (Summary of Groundwater Analytical Results) indicates, constituents of concern, including PCE and its daughter compounds Trichloroethene, cis-1,2-Dichloroethen and Vinyl Chloride, were found in four monitoring wells (MW-1R, MW-2R, MW-4, and MW-6) all of which 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. A copy of the laboratory analytical report for the collected samples is included in Attachment 1.

5.0 Conclusions/Recommendations:
PES has been conducting routine O&M at the former Dambrose Cleaners site, which included routine SVE air effluent screening, air sampling via EPA method TO-15 and groundwater sampling and analysis via EPA method 8260. Data collected indicates that concentrations of PCE in air and groundwater samples continue to fluctuate however, an upward trend is present in data included on Tables 2 and 3. According to historic gauging data tablulated in Table 4, groundwater elevations were recorded during the August 2015 monitoring event as being near or below recorded historic lows. A review of local precipitation and climate data for the surrounding area also indicated that Low levels of precipitation were reported during the 2015 monitoring period Low levels of precipitation typically yield lower groundwater elevations, which will expose greater surface area of the SVE wells to the smear zone and adsorbed contaminant mass in soil. This will equate to a greater processing of the contaminant mass and therefore greater off gas values with respect to PID screening and higher concentrations within sampled effluent air streams. Routine monitoring and air sampling conducted of the remedial system

does indicate that the system continues to process contaminant mass and that a greater amount of mass is removed during drier months of the year and when groundwater elevations are reduced.

In order to continue to address the documented VOC contamination and 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.

Kati N. Liloia
Geologist

Stephen M. Phelps
Project Manager

TABLES

Table 1
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 Effluent	SSDS Effluent
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND
1,1,2-Trichlorotriflouroethane	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ND	ND	ND	ND	**57.8**
1,2-Dibromoethane	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND
1,2-Dichlorotetrafluorethane	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND
1,3-Hexachlorobutadiene	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND
Acetone	ND	ND	**111**	ND	**65**
Benzene	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND
Carbon Disulfide	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND	ND
Ethyl Acetate	**25.9**	**30.1**	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND
m&p Xylene	ND	ND	ND	ND	**73.5**
Methyl butyl ketone	ND	ND	ND	ND	ND
Methyl ethyl ketone	ND	ND	ND	ND	ND
Methylene Chloride	**148**	**112**	**279**	**133**	**186**
Methyl isobutyl ketone	ND	ND	ND	ND	ND
Methyl-tert-butyl ether	ND	ND	ND	ND	ND
o-Xylene	ND	ND	ND	ND	**27.8**
Styrene	ND	ND	ND	ND	ND
Tetrachloroethene	**514**	**323**	**626**	**433**	**1560**
Toluene	ND	ND	ND	ND	**82.5**
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	**29.8**
Trichlorofluoromethane	ND	ND	ND	ND	ND
Vinyl acetate	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND
Total Compounds	**687.90**	**465.10**	**1,016.00**	**566.00**	**2,082.40**

Samples collected on August 31, 2015
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 2
PCE in Soil Vapor Over Time
Dambrose Cleaners
1517 Van Vranken Avenue
Schenectady, NY

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
11/17/2014	4.56	35.1	1,210	46.8	847
8/31/2015	687.9	465.1	1016	566	2082.4

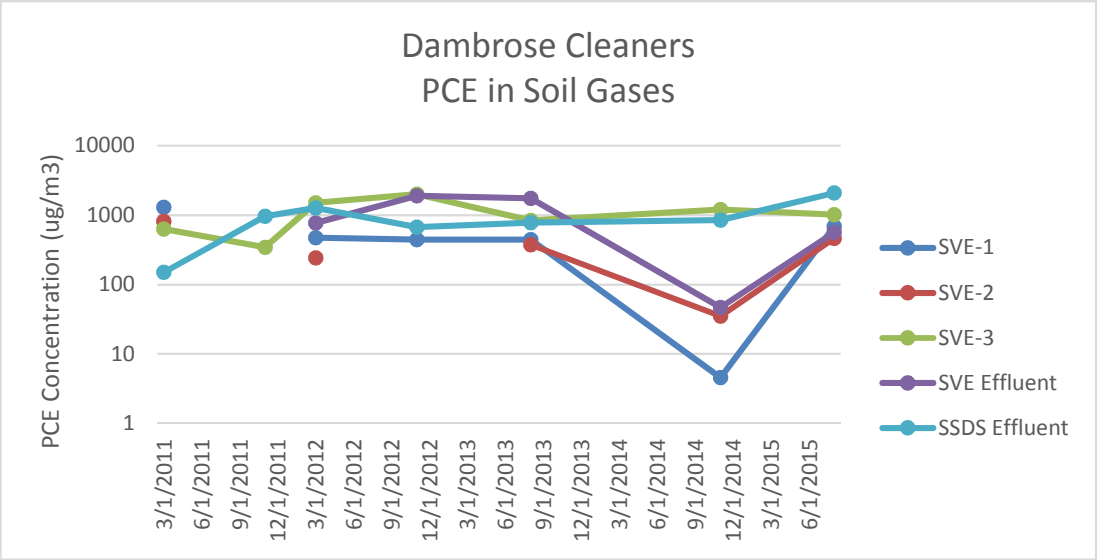


TABLE - 3
SVE System Removal Summary

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
7/7/2014	11	88.12
8/4/2014	500	89.09
9/2/2014	369	87.50
10/2/2014	636	92.38
11/3/2014	258	93.00
11/17/2014	0	95.22
12/26/2014	0	95.35
1/26/2015	0	95.57
2/9/2015	263	96.98
3/3/2015	0	95.70
4/13/2015	0	94.57
5/29/2015	219	92.47
6/26/2015	0	90.86
7/22/2015	487	89.41
8/18/2015	178	88.40
10/7/2015	0	92.89
11/10/2015	23	95.94
3/9/2016	0	91.32
4/1/2016	42	89.71
5/7/2016	26	91.95

* = As determined in field PID screening of airstream
** = System shutdown

Table 5
Groundwater Sampling 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	MW-3	MW-4	MW-6	MW-7	
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	10
1,1,2,2-Trichloroethane	ND	ND	ND	ND	ND	ND	0.7
1,1,2-Trichloro-1,2,2-triflouroethane	ND	ND	ND	ND	ND	ND	5
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	5
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	5
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	5
1,2-Dibromo-3-Chloropropane	ND	ND	ND	ND	ND	ND	0.04
1,2-Dibromomethane	ND	ND	ND	ND	ND	ND	-
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	3
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	0.6
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	1
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	3
2-Hexanone	ND	ND	ND	ND	ND	ND	-
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	-
4-Methyl-2-pentanone (MIBK)	ND	ND	ND	ND	ND	ND	-
Acetone	ND	ND	ND	ND	ND	ND	-
Benzene	ND	ND	ND	ND	ND	ND	0.7
Bromodichloromethane	ND	ND	ND	ND	ND	ND	-
Bromoform	ND	ND	ND	ND	ND	ND	-
Bromomethane	ND	ND	ND	ND	ND	ND	5
Carbon disulfide	ND	ND	ND	ND	ND	ND	60
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	5
Chlorobenzene	ND	ND	ND	ND	ND	ND	5
Dibromochloromethane	ND	ND	ND	ND	ND	ND	-
Chloroethane	ND	ND	ND	ND	ND	ND	5
Chloroform	ND	ND	ND	ND	ND	ND	7
Chloromethane	ND	ND	ND	ND	ND	ND	-
cis-1,2-Dichloroethene	**3.1**	**21**	ND	**14**	**21**	ND	5
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	0.4
Cyclohexane	ND	ND	ND	ND	ND	ND	-
Dichlorodiflouromethane	ND	ND	ND	ND	ND	ND	5
Ethylbenzene	ND	ND	ND	ND	ND	ND	5
Isopropylbenzene	ND	ND	ND	ND	ND	ND	5
Methyl acetate	ND	ND	ND	ND	ND	ND	-
MTBE	ND	ND	ND	ND	ND	ND	10
Methylcyclohexane	ND	ND	ND	ND	ND	ND	-
Methylene Chloride	ND	**12 B**	ND	ND	ND	ND	5
Styrene	ND	ND	ND	ND	ND	ND	5
Tetrachloroethene	ND	**210**	ND	**6.5**	ND	ND	5
Toluene	ND	ND	ND	ND	ND	ND	5
Trichloroflouromethane	ND	ND	ND	ND	ND	ND	5
Trichloroethene	ND	**14**	ND	**4.8**	ND	ND	5
Vinyl chloride	**6.1**	ND	ND	**4.5**	ND	ND	2
m & p - Xylene	ND	ND	ND	ND	ND	ND	5
o-Xylene	ND	ND	ND	ND	ND	ND	5
Xylenes (Total)	ND	ND	ND	ND	ND	ND	5
Total Compounds	**9.2**	**257**	**ND**	**29.8**	**21**	**ND**	

Samples collected on August 18, 2015
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 4
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	Depth to Water From Top of Casing	Watertable Elevation	Depth to Water From Top of Casing	Watertable Elevation	Depth to Water From Top of Casing	Watertable Elevation
		5/6/2011		4/9/2012		8/23/2013		8/18/2015	
MW-1R	200.07	6.51	193.56	7.91	192.16	7.90	192.17	8.51	191.56
MW-2R	199.56	5.79	193.77	7.45	192.11	7.59	191.97	7.88	191.68
MW-3	202.91	5.93	196.98	7.40	195.51	7.41	195.50	7.24	195.67
MW-4	193.47	0.60	192.87	1.90	191.57	1.93	191.54	2.29	191.18
MW-5	197.78	4.93	192.85	-	-	6.89	190.89	7.41	190.37
MW-6	191.10	5.02	186.08	5.55	185.55	5.62	185.48	6.19	184.91
MW-7	195.04	7.36	187.68	3.90	191.14	4.45	190.59	4.10	190.94
MW-8	190.43	5.50	184.93	5.95	184.48	-	-	6.09	184.34
MW-9	190.99	4.81	186.18	5.35	185.64	5.30	185.69	5.15	185.84
MW-10	191.17	4.46	186.71	5.15	186.02	5.29	185.88	-	-
MW-11	200.13	4.82	195.31	-	-	-	-	-	-

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

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: 480-86252-1
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

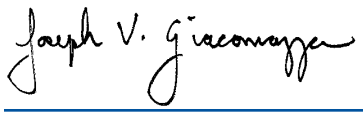
Joseph V. Giacomazza

Authorized for release by:
8/31/2015 3:38:12 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Judy Stone, Senior Project Manager
(484)685-0868
judy.stone@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 Management Assistant II
8/31/2015 3:38:12 PM

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Definitions/Glossary

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

TestAmerica Job ID: 480-86252-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.

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
CFL	Contains Free Liquid
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: 480-86252-1

Job ID: 480-86252-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-86252-1

Receipt
The samples were received on 8/27/2015 1:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.2º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-260694 recovered above the upper control limit for Dibromochloromethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: MW-1R (480-86252-1), MW-2R (480-86252-2), MW-4 (480-86252-4) and MW-7 (480-86252-6).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-260694 recovered outside control limits for the following analytes: Chloromethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: MW-1R (480-86252-1), MW-2R (480-86252-2), MW-4 (480-86252-4) and MW-7 (480-86252-6)

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-2R (480-86252-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-260859 recovered above the upper control limit for Chloromethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: MW-2R (480-86252-2), MW-3 (480-86252-3) and MW-6 (480-86252-5).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-260915 recovered above the upper control limit for Chloromethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following sample is impacted: MW-6 (480-86252-5).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-260915 recovered outside control limits for the following analyte: Chloromethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. The following sample is impacted: MW-6 (480-86252-5)

Method(s) 8260C: The following sample contained Methylene Chloride above the MDL level and around the RL of the method: MW-2R (480-86252-2) . Methylene Chloride is a common lab contaminant. The detection in the sample is consistent with the levels in the QC and therefore can be concluded that the sample detection is a lab artifact of contamination.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

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

TestAmerica Job ID: 480-86252-1

Client Sample ID: MW-1R
Date Collected: 08/18/15 12:45
Date Received: 08/27/15 01:45

Lab Sample ID: 480-86252-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/27/15 18:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/27/15 18:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/27/15 18:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/27/15 18:03	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/27/15 18:03	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/27/15 18:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/27/15 18:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/27/15 18:03	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/27/15 18:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/27/15 18:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/27/15 18:03	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/27/15 18:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/27/15 18:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/27/15 18:03	1
2-Hexanone	ND		5.0	1.2	ug/L			08/27/15 18:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/27/15 18:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/27/15 18:03	1
Acetone	ND		10	3.0	ug/L			08/27/15 18:03	1
Benzene	ND		1.0	0.41	ug/L			08/27/15 18:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/27/15 18:03	1
Bromoform	ND		1.0	0.26	ug/L			08/27/15 18:03	1
Bromomethane	ND		1.0	0.69	ug/L			08/27/15 18:03	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/27/15 18:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/27/15 18:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/27/15 18:03	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/27/15 18:03	1
Chloroethane	ND		1.0	0.32	ug/L			08/27/15 18:03	1
Chloroform	ND		1.0	0.34	ug/L			08/27/15 18:03	1
Chloromethane	ND	*	1.0	0.35	ug/L			08/27/15 18:03	1
cis-1,2-Dichloroethene	**3.1**		1.0	0.81	ug/L			08/27/15 18:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/27/15 18:03	1
Cyclohexane	ND		1.0	0.18	ug/L			08/27/15 18:03	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/27/15 18:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/27/15 18:03	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/27/15 18:03	1
Methyl acetate	ND		2.5	1.3	ug/L			08/27/15 18:03	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/27/15 18:03	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/27/15 18:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/27/15 18:03	1
Styrene	ND		1.0	0.73	ug/L			08/27/15 18:03	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/27/15 18:03	1
Toluene	ND		1.0	0.51	ug/L			08/27/15 18:03	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/27/15 18:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/27/15 18:03	1
Trichloroethene	ND		1.0	0.46	ug/L			08/27/15 18:03	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/27/15 18:03	1
Vinyl chloride	**6.1**		1.0	0.90	ug/L			08/27/15 18:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/27/15 18:03	1

Client Sample Results

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

TestAmerica Job ID: 480-86252-1

Client Sample ID: MW-1R
Date Collected: 08/18/15 12:45
Date Received: 08/27/15 01:45

Lab Sample ID: 480-86252-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		66 - 137		08/27/15 18:03	1
Toluene-d8 (Surr)	108		71 - 126		08/27/15 18:03	1
4-Bromofluorobenzene (Surr)	118		73 - 120		08/27/15 18:03	1

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

TestAmerica Job ID: 480-86252-1

Client Sample ID: MW-2R
Date Collected: 08/18/15 12:25
Date Received: 08/27/15 01:45

Lab Sample ID: 480-86252-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			08/28/15 06:50	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			08/28/15 06:50	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			08/28/15 06:50	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			08/28/15 06:50	10
1,1-Dichloroethane	ND		10	3.8	ug/L			08/28/15 06:50	10
1,1-Dichloroethene	ND		10	2.9	ug/L			08/28/15 06:50	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			08/28/15 06:50	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			08/28/15 06:50	10
1,2-Dibromoethane	ND		10	7.3	ug/L			08/28/15 06:50	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			08/28/15 06:50	10
1,2-Dichloroethane	ND		10	2.1	ug/L			08/28/15 06:50	10
1,2-Dichloropropane	ND		10	7.2	ug/L			08/28/15 06:50	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			08/28/15 06:50	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			08/28/15 06:50	10
2-Hexanone	ND		50	12	ug/L			08/28/15 06:50	10
2-Butanone (MEK)	ND		100	13	ug/L			08/28/15 06:50	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			08/28/15 06:50	10
Acetone	ND		100	30	ug/L			08/28/15 06:50	10
Benzene	ND		10	4.1	ug/L			08/28/15 06:50	10
Bromodichloromethane	ND		10	3.9	ug/L			08/28/15 06:50	10
Bromoform	ND		10	2.6	ug/L			08/28/15 06:50	10
Bromomethane	ND		10	6.9	ug/L			08/28/15 06:50	10
Carbon disulfide	ND		10	1.9	ug/L			08/28/15 06:50	10
Carbon tetrachloride	ND		10	2.7	ug/L			08/28/15 06:50	10
Chlorobenzene	ND		10	7.5	ug/L			08/28/15 06:50	10
Dibromochloromethane	ND		10	3.2	ug/L			08/28/15 06:50	10
Chloroethane	ND		10	3.2	ug/L			08/28/15 06:50	10
Chloroform	ND		10	3.4	ug/L			08/28/15 06:50	10
Chloromethane	ND		10	3.5	ug/L			08/28/15 06:50	10
cis-1,2-Dichloroethene	**21**		10	8.1	ug/L			08/28/15 06:50	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			08/28/15 06:50	10
Cyclohexane	ND		10	1.8	ug/L			08/28/15 06:50	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			08/28/15 06:50	10
Ethylbenzene	ND		10	7.4	ug/L			08/28/15 06:50	10
Isopropylbenzene	ND		10	7.9	ug/L			08/28/15 06:50	10
Methyl acetate	ND		25	13	ug/L			08/28/15 06:50	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			08/28/15 06:50	10
Methylcyclohexane	ND		10	1.6	ug/L			08/28/15 06:50	10
Methylene Chloride	**12**	**B**	10	4.4	ug/L			08/28/15 06:50	10
Styrene	ND		10	7.3	ug/L			08/28/15 06:50	10
Tetrachloroethene	**210**		10	3.6	ug/L			08/28/15 06:50	10
Toluene	ND		10	5.1	ug/L			08/28/15 06:50	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			08/28/15 06:50	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			08/28/15 06:50	10
Trichloroethene	**14**		10	4.6	ug/L			08/28/15 06:50	10
Trichlorofluoromethane	ND		10	8.8	ug/L			08/28/15 06:50	10
Vinyl chloride	ND		10	9.0	ug/L			08/28/15 06:50	10
Xylenes, Total	ND		20	6.6	ug/L			08/28/15 06:50	10

Client Sample Results

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

TestAmerica Job ID: 480-86252-1

Client Sample ID: MW-2R
Date Collected: 08/18/15 12:25
Date Received: 08/27/15 01:45

Lab Sample ID: 480-86252-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		08/28/15 06:50	10
Toluene-d8 (Surr)	102		71 - 126		08/28/15 06:50	10
4-Bromofluorobenzene (Surr)	112		73 - 120		08/28/15 06:50	10

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

TestAmerica Job ID: 480-86252-1

Client Sample ID: MW-3
Date Collected: 08/18/15 12:40
Date Received: 08/27/15 01:45

Lab Sample ID: 480-86252-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/28/15 07:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/28/15 07:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/28/15 07:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/28/15 07:12	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/28/15 07:12	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/28/15 07:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/28/15 07:12	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/28/15 07:12	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/28/15 07:12	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/28/15 07:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/28/15 07:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/28/15 07:12	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/28/15 07:12	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/28/15 07:12	1
2-Hexanone	ND		5.0	1.2	ug/L			08/28/15 07:12	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/28/15 07:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/28/15 07:12	1
Acetone	ND		10	3.0	ug/L			08/28/15 07:12	1
Benzene	ND		1.0	0.41	ug/L			08/28/15 07:12	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/28/15 07:12	1
Bromoform	ND		1.0	0.26	ug/L			08/28/15 07:12	1
Bromomethane	ND		1.0	0.69	ug/L			08/28/15 07:12	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/28/15 07:12	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/28/15 07:12	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/28/15 07:12	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/28/15 07:12	1
Chloroethane	ND		1.0	0.32	ug/L			08/28/15 07:12	1
Chloroform	ND		1.0	0.34	ug/L			08/28/15 07:12	1
Chloromethane	ND		1.0	0.35	ug/L			08/28/15 07:12	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/28/15 07:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/28/15 07:12	1
Cyclohexane	ND		1.0	0.18	ug/L			08/28/15 07:12	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/28/15 07:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/28/15 07:12	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/28/15 07:12	1
Methyl acetate	ND		2.5	1.3	ug/L			08/28/15 07:12	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/28/15 07:12	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/28/15 07:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/28/15 07:12	1
Styrene	ND		1.0	0.73	ug/L			08/28/15 07:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/28/15 07:12	1
Toluene	ND		1.0	0.51	ug/L			08/28/15 07:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/28/15 07:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/28/15 07:12	1
Trichloroethene	ND		1.0	0.46	ug/L			08/28/15 07:12	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/28/15 07:12	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/28/15 07:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/28/15 07:12	1

Client Sample Results

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

TestAmerica Job ID: 480-86252-1

Client Sample ID: MW-3
Date Collected: 08/18/15 12:40
Date Received: 08/27/15 01:45

Lab Sample ID: 480-86252-3
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		66 - 137		08/28/15 07:12	1
Toluene-d8 (Surr)	103		71 - 126		08/28/15 07:12	1
4-Bromofluorobenzene (Surr)	113		73 - 120		08/28/15 07:12	1

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

TestAmerica Job ID: 480-86252-1

Client Sample ID: MW-4
Date Collected: 08/18/15 11:20
Date Received: 08/27/15 01:45

Lab Sample ID: 480-86252-4
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/27/15 19:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/27/15 19:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/27/15 19:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/27/15 19:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/27/15 19:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/27/15 19:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/27/15 19:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/27/15 19:11	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/27/15 19:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/27/15 19:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/27/15 19:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/27/15 19:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/27/15 19:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/27/15 19:11	1
2-Hexanone	ND		5.0	1.2	ug/L			08/27/15 19:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/27/15 19:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/27/15 19:11	1
Acetone	ND		10	3.0	ug/L			08/27/15 19:11	1
Benzene	ND		1.0	0.41	ug/L			08/27/15 19:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/27/15 19:11	1
Bromoform	ND		1.0	0.26	ug/L			08/27/15 19:11	1
Bromomethane	ND		1.0	0.69	ug/L			08/27/15 19:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/27/15 19:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/27/15 19:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/27/15 19:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/27/15 19:11	1
Chloroethane	ND		1.0	0.32	ug/L			08/27/15 19:11	1
Chloroform	ND		1.0	0.34	ug/L			08/27/15 19:11	1
Chloromethane	ND	*	1.0	0.35	ug/L			08/27/15 19:11	1
cis-1,2-Dichloroethene	**14**		1.0	0.81	ug/L			08/27/15 19:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/27/15 19:11	1
Cyclohexane	ND		1.0	0.18	ug/L			08/27/15 19:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/27/15 19:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/27/15 19:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/27/15 19:11	1
Methyl acetate	ND		2.5	1.3	ug/L			08/27/15 19:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/27/15 19:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/27/15 19:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/27/15 19:11	1
Styrene	ND		1.0	0.73	ug/L			08/27/15 19:11	1
Tetrachloroethene	**6.5**		1.0	0.36	ug/L			08/27/15 19:11	1
Toluene	ND		1.0	0.51	ug/L			08/27/15 19:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/27/15 19:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/27/15 19:11	1
Trichloroethene	**4.8**		1.0	0.46	ug/L			08/27/15 19:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/27/15 19:11	1
Vinyl chloride	**4.5**		1.0	0.90	ug/L			08/27/15 19:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/27/15 19:11	1

Client Sample Results

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

TestAmerica Job ID: 480-86252-1

Client Sample ID: MW-4
Date Collected: 08/18/15 11:20
Date Received: 08/27/15 01:45

Lab Sample ID: 480-86252-4
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		66 - 137		08/27/15 19:11	1
Toluene-d8 (Surr)	110		71 - 126		08/27/15 19:11	1
4-Bromofluorobenzene (Surr)	119		73 - 120		08/27/15 19:11	1

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

TestAmerica Job ID: 480-86252-1

Client Sample ID: MW-6
Date Collected: 08/18/15 10:20
Date Received: 08/27/15 01:45

Lab Sample ID: 480-86252-5
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/28/15 07:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/28/15 07:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/28/15 07:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/28/15 07:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/28/15 07:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/28/15 07:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/28/15 07:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/28/15 07:35	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/28/15 07:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/28/15 07:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/28/15 07:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/28/15 07:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/28/15 07:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/28/15 07:35	1
2-Hexanone	ND		5.0	1.2	ug/L			08/28/15 07:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/28/15 07:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/28/15 07:35	1
Acetone	ND		10	3.0	ug/L			08/28/15 07:35	1
Benzene	ND		1.0	0.41	ug/L			08/28/15 07:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/28/15 07:35	1
Bromoform	ND		1.0	0.26	ug/L			08/28/15 07:35	1
Bromomethane	ND		1.0	0.69	ug/L			08/28/15 07:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/28/15 07:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/28/15 07:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/28/15 07:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/28/15 07:35	1
Chloroethane	ND		1.0	0.32	ug/L			08/28/15 07:35	1
Chloroform	ND		1.0	0.34	ug/L			08/28/15 07:35	1
Chloromethane	ND		1.0	0.35	ug/L			08/28/15 07:35	1
cis-1,2-Dichloroethene	**21**		1.0	0.81	ug/L			08/28/15 07:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/28/15 07:35	1
Cyclohexane	ND		1.0	0.18	ug/L			08/28/15 07:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/28/15 07:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/28/15 07:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/28/15 07:35	1
Methyl acetate	ND		2.5	1.3	ug/L			08/28/15 07:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/28/15 07:35	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/28/15 07:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/28/15 07:35	1
Styrene	ND		1.0	0.73	ug/L			08/28/15 07:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/28/15 07:35	1
Toluene	ND		1.0	0.51	ug/L			08/28/15 07:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/28/15 07:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/28/15 07:35	1
Trichloroethene	ND		1.0	0.46	ug/L			08/28/15 07:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/28/15 07:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/28/15 07:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/28/15 07:35	1

Client Sample Results

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

TestAmerica Job ID: 480-86252-1

Client Sample ID: MW-6
Date Collected: 08/18/15 10:20
Date Received: 08/27/15 01:45

Lab Sample ID: 480-86252-5
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		08/28/15 07:35	1
Toluene-d8 (Surr)	101		71 - 126		08/28/15 07:35	1
4-Bromofluorobenzene (Surr)	113		73 - 120		08/28/15 07:35	1

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

TestAmerica Job ID: 480-86252-1

Client Sample ID: MW-7
Date Collected: 08/18/15 11:10
Date Received: 08/27/15 01:45

Lab Sample ID: 480-86252-6
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/27/15 19:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/27/15 19:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/27/15 19:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/27/15 19:56	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/27/15 19:56	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/27/15 19:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/27/15 19:56	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/27/15 19:56	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/27/15 19:56	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/27/15 19:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/27/15 19:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/27/15 19:56	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/27/15 19:56	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/27/15 19:56	1
2-Hexanone	ND		5.0	1.2	ug/L			08/27/15 19:56	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/27/15 19:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/27/15 19:56	1
Acetone	ND		10	3.0	ug/L			08/27/15 19:56	1
Benzene	ND		1.0	0.41	ug/L			08/27/15 19:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/27/15 19:56	1
Bromoform	ND		1.0	0.26	ug/L			08/27/15 19:56	1
Bromomethane	ND		1.0	0.69	ug/L			08/27/15 19:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/27/15 19:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/27/15 19:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/27/15 19:56	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/27/15 19:56	1
Chloroethane	ND		1.0	0.32	ug/L			08/27/15 19:56	1
Chloroform	ND		1.0	0.34	ug/L			08/27/15 19:56	1
Chloromethane	ND	*	1.0	0.35	ug/L			08/27/15 19:56	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/27/15 19:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/27/15 19:56	1
Cyclohexane	ND		1.0	0.18	ug/L			08/27/15 19:56	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/27/15 19:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/27/15 19:56	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/27/15 19:56	1
Methyl acetate	ND		2.5	1.3	ug/L			08/27/15 19:56	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/27/15 19:56	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/27/15 19:56	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/27/15 19:56	1
Styrene	ND		1.0	0.73	ug/L			08/27/15 19:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/27/15 19:56	1
Toluene	ND		1.0	0.51	ug/L			08/27/15 19:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/27/15 19:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/27/15 19:56	1
Trichloroethene	ND		1.0	0.46	ug/L			08/27/15 19:56	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/27/15 19:56	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/27/15 19:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/27/15 19:56	1

Client Sample Results

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

TestAmerica Job ID: 480-86252-1

Client Sample ID: MW-7
Date Collected: 08/18/15 11:10
Date Received: 08/27/15 01:45

Lab Sample ID: 480-86252-6
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		66 - 137		08/27/15 19:56	1
Toluene-d8 (Surr)	108		71 - 126		08/27/15 19:56	1
4-Bromofluorobenzene (Surr)	117		73 - 120		08/27/15 19:56	1

Lab Chronicle

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

TestAmerica Job ID: 480-86252-1

Client Sample ID: MW-1R
Lab Sample ID: 480-86252-1
Date Collected: 08/18/15 12:45
Matrix: Water
Date Received: 08/27/15 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	260694	08/27/15 18:03	SWO	TAL BUF

Client Sample ID: MW-2R
Lab Sample ID: 480-86252-2
Date Collected: 08/18/15 12:25
Matrix: Water
Date Received: 08/27/15 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	260859	08/28/15 06:50	LJF	TAL BUF

Client Sample ID: MW-3
Lab Sample ID: 480-86252-3
Date Collected: 08/18/15 12:40
Matrix: Water
Date Received: 08/27/15 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	260859	08/28/15 07:12	LJF	TAL BUF

Client Sample ID: MW-4
Lab Sample ID: 480-86252-4
Date Collected: 08/18/15 11:20
Matrix: Water
Date Received: 08/27/15 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	260694	08/27/15 19:11	SWO	TAL BUF

Client Sample ID: MW-6
Lab Sample ID: 480-86252-5
Date Collected: 08/18/15 10:20
Matrix: Water
Date Received: 08/27/15 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	260859	08/28/15 07:35	LJF	TAL BUF

Client Sample ID: MW-7
Lab Sample ID: 480-86252-6
Date Collected: 08/18/15 11:10
Matrix: Water
Date Received: 08/27/15 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	260694	08/27/15 19:56	SWO	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: 480-86252-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

Method Summary

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

TestAmerica Job ID: 480-86252-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by 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: 480-86252-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-86252-1	MW-1R	Water	08/18/15 12:45	08/27/15 01:45
480-86252-2	MW-2R	Water	08/18/15 12:25	08/27/15 01:45
480-86252-3	MW-3	Water	08/18/15 12:40	08/27/15 01:45
480-86252-4	MW-4	Water	08/18/15 11:20	08/27/15 01:45
480-86252-5	MW-6	Water	08/18/15 10:20	08/27/15 01:45
480-86252-6	MW-7	Water	08/18/15 11:10	08/27/15 01:45

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
NYSDEC - Central Office	Larry Alden	8/16/15	296515
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
625 Broadway	(518) 885-4397 / (518) 885-4410		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albany / NY	Steve Phelps		
Project Name and Location (State)	**Carrier/Waybill Number**		
Former Ambrose Cleaners			
Contract/Purchase Order/Quote No.			
Site # 04-47030			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Grab	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed)
MW-1R	8/18/15						X				3			8260 B
MW-2R														
MW-3														
MW-4														
MW-5														
MW-7														

Nothing Follows

480-86252 Chain of Custody

Special Instructions/ Conditions of Receipt

Samples collected by PES

Page 22 of 23

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 Standard

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	8/26/15	14:07	1. Received By	8/26/15	14:07
2. Relinquished By	8/26/15	1500	2. Received By TMD 27Aug15 0745		
3. Relinquished By			3. Received By		

Comments
cc Report to Steve Phelps @ Precision (sphelps@precisionenvironmental.com)

0.2 1

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

8/31/2015

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-86252-1

Login Number: 86252
List Number: 1
Creator: Williams, Christopher S

List Source: TestAmerica Buffalo

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.	False	No: No sample date and/or time on COC, logged in per container labels.
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	True	
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.	True	NYSDEC
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Date Issued: September 15, 2015

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 DRY CLEANERS - SITE NO. 447030
Sampling Date(s): August 31, 2015
Lab Report ID: 15080885
Client Service Contact: Nick Nicholas (518) 346-4592

Analysis Included:
TO-15 VOA - Pace MN

Roy Smith
Technical Director

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

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

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Table of Contents

CASE NARRATIVE

September 15, 2015

CASE NARRATIVE

This data package (SDG ID: 15080885) consists of 5 air samples received on 08/31/2015. The samples are from Project Name: FORMER DAMBROSE DRY CLEANERS - SITE NO. 447030.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AS26352	SYSTEM EFFLUENT	08/31/2015 10:50
AS26353	SVE-1	08/31/2015 11:00
AS26354	SVE-2	08/31/2015 11:10
AS26355	SVE-3	08/31/2015 11:20
AS26356	SSDS EFFLUENT	08/31/2015 11:30

Sample Delivery and Receipt Conditions

(1.) All samples were delivered to the laboratory via DROP OFF delivery service on 08/31/2015.
(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.

Subcontract Analysis

Please see the Pace Analytical Services Minnesota laboratory report for method and quality assurance details pertaining to Volatile Organic Compound analysis.

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Respectfully submitted,

Nick Nicholas
Project Manager

QUALIFIERS

Definitions

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

D - Surrogate was diluted. The analysis of the sample required a dilution such that the surrogate concentration was diluted outside the laboratory acceptance criteria.

E - Denotes analyte concentration exceeded calibration range of instrument. Sample could not be reanalyzed 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).

MDL – Adjusted Method Detection Limit.

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 %.

PQL – Practical Quantitation Limit. PQLs are adjusted for sample weight/volume and dilution factors.

RL - Reporting Limit Denotes lowest analyte concentration reportable for the sample based on regulatory or project specific limits.

U - Denotes analyte not detected at concentration greater than the Practical Quantitation Limit (PQL) or the Reporting Limit (RL) or the Method Detection Limit (MDL) as applicable.

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

* - 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.

<15080885P1>

150308851

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1540293

Section A
Required Client Information:

Company: Precision Environmental Services
Address: 83 Route 67, Lot 3B
Ballston Spa, NY 12020
Email To: sphelps@precisionenvironmentalny.com
Phone: 518-885-4395 Fax: 518-885-4416
Requested Due Date/TAT: Standard

Section B
Required Project Information:

Report To: Steve Phelps
Copy To:
Purchase Order No.:
Project Name: Dunbrose Cleaners
Project Number: Site #

Section C
Invoice Information: Same as Client

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

REGULATORY AGENCY

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

Site Location STATE: NY

Section D
Required Client Information

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

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED 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	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: TO-15	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	System Effluent	AR	G			8/31/15	1650		2	X								X	X		AS26352
2	SVE-1						1100														AS26353
3	SVE-2						1110														AS26354
4	SVE-3						1120														AS26355
5	SSDS Effluent						1130														AS26356
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
	PES	8/31/15	1132	(PACE)	8/31/15	1150	32.6 (IR)	N	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Patrick Sokolowski
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8/31/15

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

Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

<15080885PZ>

150308852

Sample Condition Upon Receipt

CLIENT NAME: PES

PROJECT : D'Ambrose Cleaners

COURIER: FedEx ☐ UPS ☐ Client ☒ Pace ☐ Other ☐

TRACKING # N/A

CUSTODY SEAL PRESENT: Yes ☐ No ☒ INTACT: Yes ☐ No ☐ N/A ☒

PACKING MATERIAL: Bubble Wrap ☐ Bubble Bags ☐ None ☒ Other ☐ ICE USED: Wet ☐ Blue ☐ None ☒

THERMOMETER USED: #164 ☐ IR Gun 032 ☒ #122087967 ☐ COOLER TEMPERATURE (°C): 32.6

BIOLOGICAL TISSUE IS FROZEN: Yes ☐ No ☐ N/A ☒ Temp should be above freezing to 6°C

COMMENTS: Temperature is Acceptable? ☒Yes ☐No

Chain of Custody Present:	☒Yes	☐No		1.
Chain of Custody Filled Out:	☒Yes	☐No		2.
Chain of Custody Relinquished:	☒Yes	☐No		3.
Sampler Name / Signature on COC:	☒Yes	☐No		4.
Samples Arrived within Hold Time:	☒Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☒No		6.
Rush Turn Around Time Requested:	☐Yes	☒No		7.
Sufficient Volume:	☒Yes	☐No		8.
Correct Containers Used:	☒Yes	☐No		9.
- Pace Containers Used:	☒Yes	☐No		
Containers Intact:	☒Yes	☐No		10.
Filtered volume received for Dissolved tests:	☐Yes	☐No	☒N/A	11.
Sample Labels match COC: - Includes date/time/ID/Analysis	☒Yes	☐No		12.
All containers needing preservation have been checked:	☐Yes	☐No	☒N/A	13.
All containers needing preservation are in compliance with EPA recommendation: - Exceptions that are not checked: TOC, VOA, Subcontract Analyses	☐Yes	☐No	☒N/A	Initial when completed: NA Lot # of added preservative: NA
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☒N/A	14.
Trip Blank Present:	☐Yes	☐No	☒N/A	15.
Trip Blank Custody Seals Present:	☐Yes	☐No	☒N/A	
Pace Trip Blank Lot #: NA				

Sample Receipt form filled in: MW 8/31/15

Line-Out (Includes Copying Shipping Documents and verifying sample pH): MW 8/31/15

Log In (Includes notifying PM of any discrepacies and documenting in LIMS): JG 8/31/15

Labeling (Includes Scanning Bottles and entering LAB IDs into pH logbook): MW 8/31/15

SAMPLE RECEIPT

SAMPLE RECEIPT REPORT
15080885

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 DRY CLEANERS - SITE NO. 4470
LRF: 15080885
REPORT: ANALYTICAL REPORT
EDD: YES
LRF TAT: 7 DAYS

RECEIVED DATE: 08/31/2015 11:52
SHIPPED VIA: DROP OFF [1,2]
SHIPPING ID:
NUMBER OF COOLERS: 1
CUSTODY SEAL INTACT: NA
COOLER STATUS: AMBIENT
TEMPERATURE(S): [5] 32.6 °C

SAMPLE SEALS INTACT: NA
SAMPLES PRESERVED PER METHOD GUIDANCE: 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 REQUEST
SYSTEM EFFLUENT (AS26352)	7 DAYS 09-10-15	08/31/2015 10:50	Air	EPA TO-15	TO-15 VOA - Pace MN	
SVE-1 (AS26353)	7 DAYS 09-10-15	08/31/2015 11:00	Air	EPA TO-15	TO-15 VOA - Pace MN	
SVE-2 (AS26354)	7 DAYS 09-10-15	08/31/2015 11:10	Air	EPA TO-15	TO-15 VOA - Pace MN	
SVE-3 (AS26355)	7 DAYS 09-10-15	08/31/2015 11:20	Air	EPA TO-15	TO-15 VOA - Pace MN	
SSDS EFFLUENT (AS26356)	7 DAYS 09-10-15	08/31/2015 11:30	Air	EPA TO-15	TO-15 VOA - Pace MN	

[1]The pH preservation check of Oil and Grease (Method 1664) and Total Organic Carbon (Method 5310B) are 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.
The due date represents the date the lab report is expected to be completed on or before 5:00 pm (EST) for the date specified.
[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.Control limits are between 0-6 Degrees Celsius. Control limits do not apply for metals analysis.
[6]Samples requesting analysis for Orthophosphate (SM 4500-P E-99,-11) require the samples to be filtered in the field within 15 minutes of the sampling event. Samples that are received unfiltered will be noted as not method compliant on the Certificates of Analysis.

Reporting Parameters and Lists

Subcontract Analysis

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

September 14, 2015

Nicole Johnson
PASI-NY
2190 Technology Drive
Schenectady, NY 12308

RE: Project: 15080885 PES
Pace Project No.: 10320367

Dear Nicole Johnson:
Enclosed are the analytical results for sample(s) received by the laboratory on September 01, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nathan Boberg
nathan.boberg@pacelabs.com
Project Manager

Enclosures

cc: Carrie Minner, Pace Analytical New York

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

CERTIFICATIONS

Project: 15080885 PES
Pace Project No.: 10320367

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 15080885 PES
Pace Project No.: 10320367

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10320367001	**SYSTEM EFFLUENT**	Air	08/31/15 10:50	09/01/15 09:45
10320367002	**SVE-1**	Air	08/31/15 11:00	09/01/15 09:45
10320367003	**SVE-2**	Air	08/31/15 11:10	09/01/15 09:45
10320367004	**SVE-3**	Air	08/31/15 11:20	09/01/15 09:45
10320367005	**SSDS EFFLUENT**	Air	08/31/15 11:30	09/01/15 09:45

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

SAMPLE ANALYTE COUNT

Project: 15080885 PES
Pace Project No.: 10320367

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10320367001	**SYSTEM EFFLUENT**	TO-15	MJL	61
10320367002	**SVE-1**	TO-15	MJL	61
10320367003	**SVE-2**	TO-15	MJL	61
10320367004	**SVE-3**	TO-15	MJL	61
10320367005	**SSDS EFFLUENT**	TO-15	MLS	61

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 15080885 PES
Pace Project No.: 10320367

Sample: SYSTEM EFFLUENT **Lab ID: 10320367001** Collected: 08/31/15 10:50 Received: 09/01/15 09:45 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Acetone	ND	ug/m3	84.0	34.8		09/13/15 01:52	67-64-1	
Benzene	ND	ug/m3	11.3	34.8		09/13/15 01:52	71-43-2	
Benzyl chloride	ND	ug/m3	36.5	34.8		09/13/15 01:52	100-44-7	
Bromodichloromethane	ND	ug/m3	47.3	34.8		09/13/15 01:52	75-27-4	
Bromoform	ND	ug/m3	73.1	34.8		09/13/15 01:52	75-25-2	
Bromomethane	ND	ug/m3	27.5	34.8		09/13/15 01:52	74-83-9	
1,3-Butadiene	ND	ug/m3	15.7	34.8		09/13/15 01:52	106-99-0	
2-Butanone (MEK)	ND	ug/m3	20.9	34.8		09/13/15 01:52	78-93-3	
Carbon disulfide	ND	ug/m3	21.9	34.8		09/13/15 01:52	75-15-0	
Carbon tetrachloride	ND	ug/m3	22.3	34.8		09/13/15 01:52	56-23-5	
Chlorobenzene	ND	ug/m3	32.7	34.8		09/13/15 01:52	108-90-7	
Chloroethane	ND	ug/m3	18.8	34.8		09/13/15 01:52	75-00-3	
Chloroform	ND	ug/m3	17.3	34.8		09/13/15 01:52	67-66-3	
Chloromethane	ND	ug/m3	14.6	34.8		09/13/15 01:52	74-87-3	
Cyclohexane	ND	ug/m3	24.4	34.8		09/13/15 01:52	110-82-7	
Dibromochloromethane	ND	ug/m3	60.2	34.8		09/13/15 01:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	54.3	34.8		09/13/15 01:52	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	42.5	34.8		09/13/15 01:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	42.5	34.8		09/13/15 01:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	42.5	34.8		09/13/15 01:52	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	35.1	34.8		09/13/15 01:52	75-71-8	A4
1,1-Dichloroethane	ND	ug/m3	28.5	34.8		09/13/15 01:52	75-34-3	
1,2-Dichloroethane	ND	ug/m3	14.3	34.8		09/13/15 01:52	107-06-2	
1,1-Dichloroethene	ND	ug/m3	28.2	34.8		09/13/15 01:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	28.2	34.8		09/13/15 01:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	28.2	34.8		09/13/15 01:52	156-60-5	
1,2-Dichloropropane	ND	ug/m3	32.7	34.8		09/13/15 01:52	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	32.0	34.8		09/13/15 01:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	32.0	34.8		09/13/15 01:52	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	49.4	34.8		09/13/15 01:52	76-14-2	
Ethanol	ND	ug/m3	33.4	34.8		09/13/15 01:52	64-17-5	
Ethyl acetate	ND	ug/m3	25.4	34.8		09/13/15 01:52	141-78-6	
Ethylbenzene	ND	ug/m3	30.6	34.8		09/13/15 01:52	100-41-4	
4-Ethyltoluene	ND	ug/m3	34.8	34.8		09/13/15 01:52	622-96-8	
n-Heptane	ND	ug/m3	28.9	34.8		09/13/15 01:52	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	76.6	34.8		09/13/15 01:52	87-68-3	
n-Hexane	ND	ug/m3	25.1	34.8		09/13/15 01:52	110-54-3	
2-Hexanone	ND	ug/m3	28.9	34.8		09/13/15 01:52	591-78-6	
Methylene Chloride	**133**	ug/m3	123	34.8		09/13/15 01:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	28.9	34.8		09/13/15 01:52	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	25.4	34.8		09/13/15 01:52	1634-04-4	
Naphthalene	ND	ug/m3	92.6	34.8		09/13/15 01:52	91-20-3	
2-Propanol	ND	ug/m3	43.5	34.8		09/13/15 01:52	67-63-0	
Propylene	ND	ug/m3	12.2	34.8		09/13/15 01:52	115-07-1	
Styrene	ND	ug/m3	30.3	34.8		09/13/15 01:52	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	24.3	34.8		09/13/15 01:52	79-34-5	
Tetrachloroethene	**433**	ug/m3	24.0	34.8		09/13/15 01:52	127-18-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 15080885 PES
Pace Project No.: 10320367

Sample: SYSTEM EFFLUENT **Lab ID: 10320367001** Collected: 08/31/15 10:50 Received: 09/01/15 09:45 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Tetrahydrofuran	ND	ug/m3	20.9	34.8		09/13/15 01:52	109-99-9	
Toluene	ND	ug/m3	26.8	34.8		09/13/15 01:52	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	131	34.8		09/13/15 01:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	38.6	34.8		09/13/15 01:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	19.1	34.8		09/13/15 01:52	79-00-5	
Trichloroethene	ND	ug/m3	38.0	34.8		09/13/15 01:52	79-01-6	
Trichlorofluoromethane	ND	ug/m3	39.7	34.8		09/13/15 01:52	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	55.7	34.8		09/13/15 01:52	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	34.8	34.8		09/13/15 01:52	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	34.8	34.8		09/13/15 01:52	108-67-8	
Vinyl acetate	ND	ug/m3	24.9	34.8		09/13/15 01:52	108-05-4	
Vinyl chloride	ND	ug/m3	9.0	34.8		09/13/15 01:52	75-01-4	
m&p-Xylene	ND	ug/m3	61.6	34.8		09/13/15 01:52	179601-23-1	
o-Xylene	ND	ug/m3	30.6	34.8		09/13/15 01:52	95-47-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 15080885 PES
Pace Project No.: 10320367

Sample: SVE-1 **Lab ID: 10320367002** Collected: 08/31/15 11:00 Received: 09/01/15 09:45 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Acetone	ND	ug/m3	54.2	22.45		09/13/15 02:15	67-64-1	
Benzene	ND	ug/m3	7.3	22.45		09/13/15 02:15	71-43-2	
Benzyl chloride	ND	ug/m3	23.6	22.45		09/13/15 02:15	100-44-7	
Bromodichloromethane	ND	ug/m3	30.5	22.45		09/13/15 02:15	75-27-4	
Bromoform	ND	ug/m3	47.1	22.45		09/13/15 02:15	75-25-2	
Bromomethane	ND	ug/m3	17.7	22.45		09/13/15 02:15	74-83-9	
1,3-Butadiene	ND	ug/m3	10.1	22.45		09/13/15 02:15	106-99-0	
2-Butanone (MEK)	ND	ug/m3	13.5	22.45		09/13/15 02:15	78-93-3	
Carbon disulfide	ND	ug/m3	14.1	22.45		09/13/15 02:15	75-15-0	
Carbon tetrachloride	ND	ug/m3	14.4	22.45		09/13/15 02:15	56-23-5	
Chlorobenzene	ND	ug/m3	21.1	22.45		09/13/15 02:15	108-90-7	
Chloroethane	ND	ug/m3	12.1	22.45		09/13/15 02:15	75-00-3	
Chloroform	ND	ug/m3	11.1	22.45		09/13/15 02:15	67-66-3	
Chloromethane	ND	ug/m3	9.4	22.45		09/13/15 02:15	74-87-3	
Cyclohexane	ND	ug/m3	15.7	22.45		09/13/15 02:15	110-82-7	
Dibromochloromethane	ND	ug/m3	38.8	22.45		09/13/15 02:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	35.0	22.45		09/13/15 02:15	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	27.4	22.45		09/13/15 02:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	27.4	22.45		09/13/15 02:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	27.4	22.45		09/13/15 02:15	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	22.7	22.45		09/13/15 02:15	75-71-8	A4
1,1-Dichloroethane	ND	ug/m3	18.4	22.45		09/13/15 02:15	75-34-3	
1,2-Dichloroethane	ND	ug/m3	9.2	22.45		09/13/15 02:15	107-06-2	
1,1-Dichloroethene	ND	ug/m3	18.2	22.45		09/13/15 02:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	18.2	22.45		09/13/15 02:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	18.2	22.45		09/13/15 02:15	156-60-5	
1,2-Dichloropropane	ND	ug/m3	21.1	22.45		09/13/15 02:15	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	20.7	22.45		09/13/15 02:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	20.7	22.45		09/13/15 02:15	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	31.9	22.45		09/13/15 02:15	76-14-2	
Ethanol	ND	ug/m3	21.6	22.45		09/13/15 02:15	64-17-5	
Ethyl acetate	**25.9**	ug/m3	16.4	22.45		09/13/15 02:15	141-78-6	
Ethylbenzene	ND	ug/m3	19.8	22.45		09/13/15 02:15	100-41-4	
4-Ethyltoluene	ND	ug/m3	22.4	22.45		09/13/15 02:15	622-96-8	
n-Heptane	ND	ug/m3	18.6	22.45		09/13/15 02:15	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	49.4	22.45		09/13/15 02:15	87-68-3	
n-Hexane	ND	ug/m3	16.2	22.45		09/13/15 02:15	110-54-3	
2-Hexanone	ND	ug/m3	18.6	22.45		09/13/15 02:15	591-78-6	
Methylene Chloride	**148**	ug/m3	79.2	22.45		09/13/15 02:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	18.6	22.45		09/13/15 02:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	16.4	22.45		09/13/15 02:15	1634-04-4	
Naphthalene	ND	ug/m3	59.7	22.45		09/13/15 02:15	91-20-3	
2-Propanol	ND	ug/m3	28.1	22.45		09/13/15 02:15	67-63-0	
Propylene	ND	ug/m3	7.9	22.45		09/13/15 02:15	115-07-1	
Styrene	ND	ug/m3	19.5	22.45		09/13/15 02:15	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	15.7	22.45		09/13/15 02:15	79-34-5	
Tetrachloroethene	**514**	ug/m3	15.5	22.45		09/13/15 02:15	127-18-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 15080885 PES
Pace Project No.: 10320367

Sample: SVE-1 **Lab ID: 10320367002** Collected: 08/31/15 11:00 Received: 09/01/15 09:45 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Tetrahydrofuran	ND	ug/m3	13.5	22.45		09/13/15 02:15	109-99-9	
Toluene	ND	ug/m3	17.3	22.45		09/13/15 02:15	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	84.6	22.45		09/13/15 02:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	24.9	22.45		09/13/15 02:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	12.3	22.45		09/13/15 02:15	79-00-5	
Trichloroethene	ND	ug/m3	24.5	22.45		09/13/15 02:15	79-01-6	
Trichlorofluoromethane	ND	ug/m3	25.6	22.45		09/13/15 02:15	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	35.9	22.45		09/13/15 02:15	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	22.4	22.45		09/13/15 02:15	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	22.4	22.45		09/13/15 02:15	108-67-8	
Vinyl acetate	ND	ug/m3	16.1	22.45		09/13/15 02:15	108-05-4	
Vinyl chloride	ND	ug/m3	5.8	22.45		09/13/15 02:15	75-01-4	
m&p-Xylene	ND	ug/m3	39.7	22.45		09/13/15 02:15	179601-23-1	
o-Xylene	ND	ug/m3	19.8	22.45		09/13/15 02:15	95-47-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Minneapolis, MN 55414
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ANALYTICAL RESULTS

Project: 15080885 PES
Pace Project No.: 10320367

Sample: SVE-2 **Lab ID: 10320367003** Collected: 08/31/15 11:10 Received: 09/01/15 09:45 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Acetone	ND	ug/m3	61.1	25.3		09/13/15 02:38	67-64-1	
Benzene	ND	ug/m3	8.2	25.3		09/13/15 02:38	71-43-2	
Benzyl chloride	ND	ug/m3	26.6	25.3		09/13/15 02:38	100-44-7	
Bromodichloromethane	ND	ug/m3	34.4	25.3		09/13/15 02:38	75-27-4	
Bromoform	ND	ug/m3	53.1	25.3		09/13/15 02:38	75-25-2	
Bromomethane	ND	ug/m3	20.0	25.3		09/13/15 02:38	74-83-9	
1,3-Butadiene	ND	ug/m3	11.4	25.3		09/13/15 02:38	106-99-0	
2-Butanone (MEK)	ND	ug/m3	15.2	25.3		09/13/15 02:38	78-93-3	
Carbon disulfide	ND	ug/m3	15.9	25.3		09/13/15 02:38	75-15-0	
Carbon tetrachloride	ND	ug/m3	16.2	25.3		09/13/15 02:38	56-23-5	
Chlorobenzene	ND	ug/m3	23.8	25.3		09/13/15 02:38	108-90-7	
Chloroethane	ND	ug/m3	13.7	25.3		09/13/15 02:38	75-00-3	
Chloroform	ND	ug/m3	12.5	25.3		09/13/15 02:38	67-66-3	
Chloromethane	ND	ug/m3	10.6	25.3		09/13/15 02:38	74-87-3	
Cyclohexane	ND	ug/m3	17.7	25.3		09/13/15 02:38	110-82-7	
Dibromochloromethane	ND	ug/m3	43.8	25.3		09/13/15 02:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	39.5	25.3		09/13/15 02:38	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	30.9	25.3		09/13/15 02:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	30.9	25.3		09/13/15 02:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	30.9	25.3		09/13/15 02:38	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	25.6	25.3		09/13/15 02:38	75-71-8	A4
1,1-Dichloroethane	ND	ug/m3	20.7	25.3		09/13/15 02:38	75-34-3	
1,2-Dichloroethane	ND	ug/m3	10.4	25.3		09/13/15 02:38	107-06-2	
1,1-Dichloroethene	ND	ug/m3	20.5	25.3		09/13/15 02:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	20.5	25.3		09/13/15 02:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	20.5	25.3		09/13/15 02:38	156-60-5	
1,2-Dichloropropane	ND	ug/m3	23.8	25.3		09/13/15 02:38	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	23.3	25.3		09/13/15 02:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	23.3	25.3		09/13/15 02:38	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	35.9	25.3		09/13/15 02:38	76-14-2	
Ethanol	ND	ug/m3	24.3	25.3		09/13/15 02:38	64-17-5	
Ethyl acetate	**30.1**	ug/m3	18.5	25.3		09/13/15 02:38	141-78-6	
Ethylbenzene	ND	ug/m3	22.3	25.3		09/13/15 02:38	100-41-4	
4-Ethyltoluene	ND	ug/m3	25.3	25.3		09/13/15 02:38	622-96-8	
n-Heptane	ND	ug/m3	21.0	25.3		09/13/15 02:38	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	55.7	25.3		09/13/15 02:38	87-68-3	
n-Hexane	ND	ug/m3	18.2	25.3		09/13/15 02:38	110-54-3	
2-Hexanone	ND	ug/m3	21.0	25.3		09/13/15 02:38	591-78-6	
Methylene Chloride	**112**	ug/m3	89.3	25.3		09/13/15 02:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	21.0	25.3		09/13/15 02:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	18.5	25.3		09/13/15 02:38	1634-04-4	
Naphthalene	ND	ug/m3	67.3	25.3		09/13/15 02:38	91-20-3	
2-Propanol	ND	ug/m3	31.6	25.3		09/13/15 02:38	67-63-0	
Propylene	ND	ug/m3	8.9	25.3		09/13/15 02:38	115-07-1	
Styrene	ND	ug/m3	22.0	25.3		09/13/15 02:38	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	17.7	25.3		09/13/15 02:38	79-34-5	
Tetrachloroethene	**323**	ug/m3	17.4	25.3		09/13/15 02:38	127-18-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 15080885 PES
Pace Project No.: 10320367

Sample: SVE-2 **Lab ID: 10320367003** Collected: 08/31/15 11:10 Received: 09/01/15 09:45 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Tetrahydrofuran	ND	ug/m3	15.2	25.3		09/13/15 02:38	109-99-9	
Toluene	ND	ug/m3	19.5	25.3		09/13/15 02:38	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	95.4	25.3		09/13/15 02:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	28.1	25.3		09/13/15 02:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	13.9	25.3		09/13/15 02:38	79-00-5	
Trichloroethene	ND	ug/m3	27.6	25.3		09/13/15 02:38	79-01-6	
Trichlorofluoromethane	ND	ug/m3	28.8	25.3		09/13/15 02:38	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	40.5	25.3		09/13/15 02:38	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	25.3	25.3		09/13/15 02:38	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	25.3	25.3		09/13/15 02:38	108-67-8	
Vinyl acetate	ND	ug/m3	18.1	25.3		09/13/15 02:38	108-05-4	
Vinyl chloride	ND	ug/m3	6.6	25.3		09/13/15 02:38	75-01-4	
m&p-Xylene	ND	ug/m3	44.8	25.3		09/13/15 02:38	179601-23-1	
o-Xylene	ND	ug/m3	22.3	25.3		09/13/15 02:38	95-47-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 15080885 PES
Pace Project No.: 10320367

Sample: SVE-3 **Lab ID: 10320367004** Collected: 08/31/15 11:20 Received: 09/01/15 09:45 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Acetone	**111**	ug/m3	98.2	40.7		09/13/15 03:01	67-64-1	
Benzene	ND	ug/m3	13.2	40.7		09/13/15 03:01	71-43-2	
Benzyl chloride	ND	ug/m3	42.7	40.7		09/13/15 03:01	100-44-7	
Bromodichloromethane	ND	ug/m3	55.4	40.7		09/13/15 03:01	75-27-4	
Bromoform	ND	ug/m3	85.5	40.7		09/13/15 03:01	75-25-2	
Bromomethane	ND	ug/m3	32.2	40.7		09/13/15 03:01	74-83-9	
1,3-Butadiene	ND	ug/m3	18.3	40.7		09/13/15 03:01	106-99-0	
2-Butanone (MEK)	ND	ug/m3	24.4	40.7		09/13/15 03:01	78-93-3	
Carbon disulfide	ND	ug/m3	25.6	40.7		09/13/15 03:01	75-15-0	
Carbon tetrachloride	ND	ug/m3	26.0	40.7		09/13/15 03:01	56-23-5	
Chlorobenzene	ND	ug/m3	38.3	40.7		09/13/15 03:01	108-90-7	
Chloroethane	ND	ug/m3	22.0	40.7		09/13/15 03:01	75-00-3	
Chloroform	ND	ug/m3	20.2	40.7		09/13/15 03:01	67-66-3	
Chloromethane	ND	ug/m3	17.1	40.7		09/13/15 03:01	74-87-3	
Cyclohexane	ND	ug/m3	28.5	40.7		09/13/15 03:01	110-82-7	
Dibromochloromethane	ND	ug/m3	70.4	40.7		09/13/15 03:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	63.5	40.7		09/13/15 03:01	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	49.7	40.7		09/13/15 03:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	49.7	40.7		09/13/15 03:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	49.7	40.7		09/13/15 03:01	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	41.1	40.7		09/13/15 03:01	75-71-8	A4
1,1-Dichloroethane	ND	ug/m3	33.4	40.7		09/13/15 03:01	75-34-3	
1,2-Dichloroethane	ND	ug/m3	16.7	40.7		09/13/15 03:01	107-06-2	
1,1-Dichloroethene	ND	ug/m3	33.0	40.7		09/13/15 03:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	33.0	40.7		09/13/15 03:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	33.0	40.7		09/13/15 03:01	156-60-5	
1,2-Dichloropropane	ND	ug/m3	38.3	40.7		09/13/15 03:01	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	37.4	40.7		09/13/15 03:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	37.4	40.7		09/13/15 03:01	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	57.8	40.7		09/13/15 03:01	76-14-2	
Ethanol	ND	ug/m3	39.1	40.7		09/13/15 03:01	64-17-5	
Ethyl acetate	ND	ug/m3	29.7	40.7		09/13/15 03:01	141-78-6	
Ethylbenzene	ND	ug/m3	35.8	40.7		09/13/15 03:01	100-41-4	
4-Ethyltoluene	ND	ug/m3	40.7	40.7		09/13/15 03:01	622-96-8	
n-Heptane	ND	ug/m3	33.8	40.7		09/13/15 03:01	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	89.5	40.7		09/13/15 03:01	87-68-3	
n-Hexane	ND	ug/m3	29.3	40.7		09/13/15 03:01	110-54-3	
2-Hexanone	ND	ug/m3	33.8	40.7		09/13/15 03:01	591-78-6	
Methylene Chloride	**279**	ug/m3	144	40.7		09/13/15 03:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	33.8	40.7		09/13/15 03:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	29.7	40.7		09/13/15 03:01	1634-04-4	
Naphthalene	ND	ug/m3	108	40.7		09/13/15 03:01	91-20-3	
2-Propanol	ND	ug/m3	50.9	40.7		09/13/15 03:01	67-63-0	
Propylene	ND	ug/m3	14.2	40.7		09/13/15 03:01	115-07-1	
Styrene	ND	ug/m3	35.4	40.7		09/13/15 03:01	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	28.4	40.7		09/13/15 03:01	79-34-5	
Tetrachloroethene	**626**	ug/m3	28.0	40.7		09/13/15 03:01	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
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ANALYTICAL RESULTS

Project: 15080885 PES
Pace Project No.: 10320367

Sample: SVE-3 **Lab ID: 10320367004** Collected: 08/31/15 11:20 Received: 09/01/15 09:45 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Tetrahydrofuran	ND	ug/m3	24.4	40.7		09/13/15 03:01	109-99-9	
Toluene	ND	ug/m3	31.3	40.7		09/13/15 03:01	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	153	40.7		09/13/15 03:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	45.2	40.7		09/13/15 03:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	22.4	40.7		09/13/15 03:01	79-00-5	
Trichloroethene	ND	ug/m3	44.4	40.7		09/13/15 03:01	79-01-6	
Trichlorofluoromethane	ND	ug/m3	46.4	40.7		09/13/15 03:01	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	65.1	40.7		09/13/15 03:01	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	40.7	40.7		09/13/15 03:01	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	40.7	40.7		09/13/15 03:01	108-67-8	
Vinyl acetate	ND	ug/m3	29.1	40.7		09/13/15 03:01	108-05-4	
Vinyl chloride	ND	ug/m3	10.6	40.7		09/13/15 03:01	75-01-4	
m&p-Xylene	ND	ug/m3	72.0	40.7		09/13/15 03:01	179601-23-1	
o-Xylene	ND	ug/m3	35.8	40.7		09/13/15 03:01	95-47-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 15080885 PES
Pace Project No.: 10320367

Sample: SSDS EFFLUENT **Lab ID: 10320367005** Collected: 08/31/15 11:30 Received: 09/01/15 09:45 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Acetone	**65.0**	ug/m3	54.2	22.45		09/13/15 18:13	67-64-1	
Benzene	ND	ug/m3	7.3	22.45		09/13/15 18:13	71-43-2	
Benzyl chloride	ND	ug/m3	23.6	22.45		09/13/15 18:13	100-44-7	
Bromodichloromethane	ND	ug/m3	30.5	22.45		09/13/15 18:13	75-27-4	
Bromoform	ND	ug/m3	47.1	22.45		09/13/15 18:13	75-25-2	
Bromomethane	ND	ug/m3	17.7	22.45		09/13/15 18:13	74-83-9	
1,3-Butadiene	ND	ug/m3	10.1	22.45		09/13/15 18:13	106-99-0	
2-Butanone (MEK)	ND	ug/m3	13.5	22.45		09/13/15 18:13	78-93-3	
Carbon disulfide	ND	ug/m3	14.1	22.45		09/13/15 18:13	75-15-0	
Carbon tetrachloride	ND	ug/m3	14.4	22.45		09/13/15 18:13	56-23-5	
Chlorobenzene	ND	ug/m3	21.1	22.45		09/13/15 18:13	108-90-7	
Chloroethane	ND	ug/m3	12.1	22.45		09/13/15 18:13	75-00-3	
Chloroform	ND	ug/m3	11.1	22.45		09/13/15 18:13	67-66-3	
Chloromethane	ND	ug/m3	9.4	22.45		09/13/15 18:13	74-87-3	
Cyclohexane	ND	ug/m3	15.7	22.45		09/13/15 18:13	110-82-7	
Dibromochloromethane	ND	ug/m3	38.8	22.45		09/13/15 18:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	35.0	22.45		09/13/15 18:13	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	27.4	22.45		09/13/15 18:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	27.4	22.45		09/13/15 18:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	27.4	22.45		09/13/15 18:13	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	22.7	22.45		09/13/15 18:13	75-71-8	A4
1,1-Dichloroethane	ND	ug/m3	18.4	22.45		09/13/15 18:13	75-34-3	
1,2-Dichloroethane	ND	ug/m3	9.2	22.45		09/13/15 18:13	107-06-2	
1,1-Dichloroethene	ND	ug/m3	18.2	22.45		09/13/15 18:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	18.2	22.45		09/13/15 18:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	18.2	22.45		09/13/15 18:13	156-60-5	
1,2-Dichloropropane	ND	ug/m3	21.1	22.45		09/13/15 18:13	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	20.7	22.45		09/13/15 18:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	20.7	22.45		09/13/15 18:13	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	31.9	22.45		09/13/15 18:13	76-14-2	
Ethanol	ND	ug/m3	21.6	22.45		09/13/15 18:13	64-17-5	
Ethyl acetate	ND	ug/m3	16.4	22.45		09/13/15 18:13	141-78-6	
Ethylbenzene	ND	ug/m3	19.8	22.45		09/13/15 18:13	100-41-4	
4-Ethyltoluene	ND	ug/m3	22.4	22.45		09/13/15 18:13	622-96-8	
n-Heptane	ND	ug/m3	18.6	22.45		09/13/15 18:13	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	49.4	22.45		09/13/15 18:13	87-68-3	
n-Hexane	ND	ug/m3	16.2	22.45		09/13/15 18:13	110-54-3	
2-Hexanone	ND	ug/m3	18.6	22.45		09/13/15 18:13	591-78-6	
Methylene Chloride	**186**	ug/m3	79.2	22.45		09/13/15 18:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	18.6	22.45		09/13/15 18:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	16.4	22.45		09/13/15 18:13	1634-04-4	
Naphthalene	ND	ug/m3	59.7	22.45		09/13/15 18:13	91-20-3	
2-Propanol	ND	ug/m3	28.1	22.45		09/13/15 18:13	67-63-0	
Propylene	ND	ug/m3	7.9	22.45		09/13/15 18:13	115-07-1	
Styrene	ND	ug/m3	19.5	22.45		09/13/15 18:13	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	15.7	22.45		09/13/15 18:13	79-34-5	
Tetrachloroethene	**1560**	ug/m3	15.5	22.45		09/13/15 18:13	127-18-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 15080885 PES
Pace Project No.: 10320367

Sample: SSDS EFFLUENT **Lab ID: 10320367005** Collected: 08/31/15 11:30 Received: 09/01/15 09:45 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Tetrahydrofuran	ND	ug/m3	13.5	22.45		09/13/15 18:13	109-99-9	
Toluene	**82.5**	ug/m3	17.3	22.45		09/13/15 18:13	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	84.6	22.45		09/13/15 18:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	24.9	22.45		09/13/15 18:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	12.3	22.45		09/13/15 18:13	79-00-5	
Trichloroethene	**29.8**	ug/m3	24.5	22.45		09/13/15 18:13	79-01-6	
Trichlorofluoromethane	ND	ug/m3	25.6	22.45		09/13/15 18:13	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	35.9	22.45		09/13/15 18:13	76-13-1	
1,2,4-Trimethylbenzene	**57.8**	ug/m3	22.4	22.45		09/13/15 18:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	22.4	22.45		09/13/15 18:13	108-67-8	
Vinyl acetate	ND	ug/m3	16.1	22.45		09/13/15 18:13	108-05-4	
Vinyl chloride	ND	ug/m3	5.8	22.45		09/13/15 18:13	75-01-4	
m&p-Xylene	**73.5**	ug/m3	39.7	22.45		09/13/15 18:13	179601-23-1	
o-Xylene	**27.8**	ug/m3	19.8	22.45		09/13/15 18:13	95-47-6	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 15080885 PES
Pace Project No.: 10320367

QC Batch: AIR/24107 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10320367001, 10320367002, 10320367003, 10320367004

METHOD BLANK: 2076005 Matrix: Air
Associated Lab Samples: 10320367001, 10320367002, 10320367003, 10320367004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	09/12/15 16:54	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	09/12/15 16:54	
1,1,2-Trichloroethane	ug/m3	ND	0.55	09/12/15 16:54	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	09/12/15 16:54	
1,1-Dichloroethane	ug/m3	ND	0.82	09/12/15 16:54	
1,1-Dichloroethene	ug/m3	ND	0.81	09/12/15 16:54	
1,2,4-Trichlorobenzene	ug/m3	ND	3.8	09/12/15 16:54	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	09/12/15 16:54	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	09/12/15 16:54	
1,2-Dichlorobenzene	ug/m3	ND	1.2	09/12/15 16:54	
1,2-Dichloroethane	ug/m3	ND	0.41	09/12/15 16:54	
1,2-Dichloropropane	ug/m3	ND	0.94	09/12/15 16:54	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	09/12/15 16:54	
1,3-Butadiene	ug/m3	ND	0.45	09/12/15 16:54	
1,3-Dichlorobenzene	ug/m3	ND	1.2	09/12/15 16:54	
1,4-Dichlorobenzene	ug/m3	ND	1.2	09/12/15 16:54	
2-Butanone (MEK)	ug/m3	ND	0.60	09/12/15 16:54	
2-Hexanone	ug/m3	ND	0.83	09/12/15 16:54	
2-Propanol	ug/m3	ND	1.2	09/12/15 16:54	
4-Ethyltoluene	ug/m3	ND	1.0	09/12/15 16:54	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	09/12/15 16:54	
Acetone	ug/m3	ND	2.4	09/12/15 16:54	
Benzene	ug/m3	ND	0.32	09/12/15 16:54	
Benzyl chloride	ug/m3	ND	1.0	09/12/15 16:54	
Bromodichloromethane	ug/m3	ND	1.4	09/12/15 16:54	
Bromoform	ug/m3	ND	2.1	09/12/15 16:54	
Bromomethane	ug/m3	ND	0.79	09/12/15 16:54	
Carbon disulfide	ug/m3	ND	0.63	09/12/15 16:54	
Carbon tetrachloride	ug/m3	ND	0.64	09/12/15 16:54	
Chlorobenzene	ug/m3	ND	0.94	09/12/15 16:54	
Chloroethane	ug/m3	ND	0.54	09/12/15 16:54	
Chloroform	ug/m3	ND	0.50	09/12/15 16:54	
Chloromethane	ug/m3	ND	0.42	09/12/15 16:54	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	09/12/15 16:54	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	09/12/15 16:54	
Cyclohexane	ug/m3	ND	0.70	09/12/15 16:54	
Dibromochloromethane	ug/m3	ND	1.7	09/12/15 16:54	
Dichlorodifluoromethane	ug/m3	ND	1.0	09/12/15 16:54	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	09/12/15 16:54	
Ethanol	ug/m3	ND	0.96	09/12/15 16:54	
Ethyl acetate	ug/m3	ND	0.73	09/12/15 16:54	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 15080885 PES
Pace Project No.: 10320367

METHOD BLANK: 2076005 Matrix: Air
Associated Lab Samples: 10320367001, 10320367002, 10320367003, 10320367004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/m3	ND	0.88	09/12/15 16:54	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	09/12/15 16:54	
m&p-Xylene	ug/m3	ND	1.8	09/12/15 16:54	
Methyl-tert-butyl ether	ug/m3	ND	0.73	09/12/15 16:54	
Methylene Chloride	ug/m3	ND	3.5	09/12/15 16:54	
n-Heptane	ug/m3	ND	0.83	09/12/15 16:54	
n-Hexane	ug/m3	ND	0.72	09/12/15 16:54	
Naphthalene	ug/m3	ND	2.7	09/12/15 16:54	
o-Xylene	ug/m3	ND	0.88	09/12/15 16:54	
Propylene	ug/m3	ND	0.35	09/12/15 16:54	
Styrene	ug/m3	ND	0.87	09/12/15 16:54	
Tetrachloroethene	ug/m3	ND	0.69	09/12/15 16:54	
Tetrahydrofuran	ug/m3	ND	0.60	09/12/15 16:54	
Toluene	ug/m3	ND	0.77	09/12/15 16:54	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	09/12/15 16:54	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	09/12/15 16:54	
Trichloroethene	ug/m3	ND	1.1	09/12/15 16:54	
Trichlorofluoromethane	ug/m3	ND	1.1	09/12/15 16:54	
Vinyl acetate	ug/m3	ND	0.72	09/12/15 16:54	
Vinyl chloride	ug/m3	ND	0.26	09/12/15 16:54	

LABORATORY CONTROL SAMPLE: 2076006

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	65.4	118	72-140	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	84.6	121	68-137	
1,1,2-Trichloroethane	ug/m3	55.5	64.7	117	66-138	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	92.5	119	70-132	
1,1-Dichloroethane	ug/m3	41.2	47.9	116	68-137	
1,1-Dichloroethene	ug/m3	40.3	47.9	119	73-138	
1,2,4-Trichlorobenzene	ug/m3	75.5	78.9	105	48-150	
1,2,4-Trimethylbenzene	ug/m3	50	57.5	115	75-134	
1,2-Dibromoethane (EDB)	ug/m3	78.1	93.7	120	75-132	
1,2-Dichlorobenzene	ug/m3	61.2	69.4	114	71-129	
1,2-Dichloroethane	ug/m3	41.2	46.1	112	73-139	
1,2-Dichloropropane	ug/m3	47	56.2	120	70-130	
1,3,5-Trimethylbenzene	ug/m3	50	59.2	118	75-133	
1,3-Butadiene	ug/m3	22.5	25.3	113	66-135	
1,3-Dichlorobenzene	ug/m3	61.2	78.6	129	75-131	
1,4-Dichlorobenzene	ug/m3	61.2	76.5	125	69-135	
2-Butanone (MEK)	ug/m3	30	37.9	126	67-131	
2-Hexanone	ug/m3	41.7	51.5	124	72-130	
2-Propanol	ug/m3	25	26.3	105	66-133	
4-Ethyltoluene	ug/m3	50	59.5	119	75-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 15080885 PES
Pace Project No.: 10320367

LABORATORY CONTROL SAMPLE: 2076006

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/m3	41.7	48.0	115	68-134	
Acetone	ug/m3	24.2	25.7	106	63-144	
Benzene	ug/m3	32.5	37.9	117	64-139	
Benzyl chloride	ug/m3	52.5	53.3	102	75-129	
Bromodichloromethane	ug/m3	68.2	84.0	123	75-134	
Bromoform	ug/m3	105	108	103	72-130	
Bromomethane	ug/m3	39.5	41.3	105	71-132	
Carbon disulfide	ug/m3	31.7	37.6	119	56-139	
Carbon tetrachloride	ug/m3	64	73.2	114	75-150	
Chlorobenzene	ug/m3	46.8	54.7	117	71-132	
Chloroethane	ug/m3	26.8	30.2	112	71-129	
Chloroform	ug/m3	49.7	56.8	114	73-136	
Chloromethane	ug/m3	21	22.8	108	52-143	
cis-1,2-Dichloroethene	ug/m3	40.3	49.8	124	64-137	
cis-1,3-Dichloropropene	ug/m3	46.2	58.1	126	75-128	
Cyclohexane	ug/m3	35	40.8	117	62-143	
Dibromochloromethane	ug/m3	86.6	109	125	75-136	
Dichlorodifluoromethane	ug/m3	50.3	55.3	110	70-141	
Dichlorotetrafluoroethane	ug/m3	71.1	77.7	109	71-139	
Ethanol	ug/m3	19.2	21.3	111	60-144	
Ethyl acetate	ug/m3	36.6	39.2	107	64-137	
Ethylbenzene	ug/m3	44.2	51.3	116	71-136	
Hexachloro-1,3-butadiene	ug/m3	108	131	121	51-150	
m&p-Xylene	ug/m3	44.2	52.0	118	71-134	
Methyl-tert-butyl ether	ug/m3	36.7	41.1	112	73-134	
Methylene Chloride	ug/m3	35.3	28.8	82	64-130	
n-Heptane	ug/m3	41.7	46.8	112	63-135	
n-Hexane	ug/m3	35.8	40.3	112	69-135	
Naphthalene	ug/m3	53.3	57.2	107	43-150	
o-Xylene	ug/m3	44.2	50.5	114	75-134	
Propylene	ug/m3	17.5	18.8	108	58-135	
Styrene	ug/m3	43.3	55.3	128	75-133	
Tetrachloroethene	ug/m3	69	80.0	116	66-137	
Tetrahydrofuran	ug/m3	30	34.4	115	58-135	
Toluene	ug/m3	38.3	43.6	114	70-129	
trans-1,2-Dichloroethene	ug/m3	40.3	45.0	112	61-140	
trans-1,3-Dichloropropene	ug/m3	46.2	59.4	129	75-134	
Trichloroethene	ug/m3	54.6	65.1	119	70-134	
Trichlorofluoromethane	ug/m3	57.1	59.4	104	67-140	
Vinyl acetate	ug/m3	35.8	38.5	108	60-139	
Vinyl chloride	ug/m3	26	29.4	113	72-129	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 15080885 PES
Pace Project No.: 10320367

SAMPLE DUPLICATE: 2076180

Parameter	Units	10320425002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND		25	
1,1-Dichloroethane	ug/m3	ND	ND		25	
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	2.1	2.1	1	25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	ND	ND		25	
1,2-Dichloropropane	ug/m3	ND	ND		25	
1,3,5-Trimethylbenzene	ug/m3	ND	ND		25	
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	ND	1.4J		25	
2-Butanone (MEK)	ug/m3	16.9	16.4	3	25	
2-Hexanone	ug/m3	2.2	2.5	9	25	
2-Propanol	ug/m3	42.0	41.1	2	25	
4-Ethyltoluene	ug/m3	ND	ND		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	1.5	1.5	1	25	
Acetone	ug/m3	76.2	73.6	3	25	
Benzene	ug/m3	2.1	2.1	3	25	
Benzyl chloride	ug/m3	ND	ND		25	
Bromodichloromethane	ug/m3	5.5	5.2	5	25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	1.3	1.2	8	25	
Carbon tetrachloride	ug/m3	ND	ND		25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	38.0	35.1	8	25	
Chloromethane	ug/m3	1.7	1.6	4	25	
cis-1,2-Dichloroethene	ug/m3	ND	.85J		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	4.2	3.8	11	25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	2.8	2.0	34	25	R1
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethanol	ug/m3	327	316	4	25	E
Ethyl acetate	ug/m3	ND	.7J		25	
Ethylbenzene	ug/m3	1.7	1.7	1	25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	5.6	5.6	0	25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	ND	1.6J		25	
n-Heptane	ug/m3	3.2	3.0	4	25	

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REPORT OF LABORATORY ANALYSIS

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(612)607-1700

QUALITY CONTROL DATA

Project: 15080885 PES
Pace Project No.: 10320367

SAMPLE DUPLICATE: 2076180

Parameter	Units	10320425002 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	8.2	8.4	2	25	
Naphthalene	ug/m3	ND	ND		25	
o-Xylene	ug/m3	2.1	2.0	2	25	
Propylene	ug/m3	3.9	3.7	4	25	
Styrene	ug/m3	ND	ND		25	
Tetrachloroethene	ug/m3	12.2	12.3	1	25	
Tetrahydrofuran	ug/m3	ND	ND		25	
Toluene	ug/m3	21.2	20.4	4	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	1.7	1.6J		25	
Trichlorofluoromethane	ug/m3	2.0	1.9	4	25	
Vinyl acetate	ug/m3	7.7	8.0	4	25	
Vinyl chloride	ug/m3	ND	ND		25	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 15080885 PES
Pace Project No.: 10320367

QC Batch: AIR/24118
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10320367005

METHOD BLANK: 2076214
Matrix: Air
Associated Lab Samples: 10320367005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	09/13/15 17:22	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	09/13/15 17:22	
1,1,2-Trichloroethane	ug/m3	ND	0.55	09/13/15 17:22	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	09/13/15 17:22	
1,1-Dichloroethane	ug/m3	ND	0.82	09/13/15 17:22	
1,1-Dichloroethene	ug/m3	ND	0.81	09/13/15 17:22	
1,2,4-Trichlorobenzene	ug/m3	ND	3.8	09/13/15 17:22	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	09/13/15 17:22	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	09/13/15 17:22	
1,2-Dichlorobenzene	ug/m3	ND	1.2	09/13/15 17:22	
1,2-Dichloroethane	ug/m3	ND	0.41	09/13/15 17:22	
1,2-Dichloropropane	ug/m3	ND	0.94	09/13/15 17:22	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	09/13/15 17:22	
1,3-Butadiene	ug/m3	ND	0.45	09/13/15 17:22	
1,3-Dichlorobenzene	ug/m3	ND	1.2	09/13/15 17:22	
1,4-Dichlorobenzene	ug/m3	ND	1.2	09/13/15 17:22	
2-Butanone (MEK)	ug/m3	ND	0.60	09/13/15 17:22	
2-Hexanone	ug/m3	ND	0.83	09/13/15 17:22	
2-Propanol	ug/m3	ND	1.2	09/13/15 17:22	
4-Ethyltoluene	ug/m3	ND	1.0	09/13/15 17:22	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	09/13/15 17:22	
Acetone	ug/m3	ND	2.4	09/13/15 17:22	
Benzene	ug/m3	ND	0.32	09/13/15 17:22	
Benzyl chloride	ug/m3	ND	1.0	09/13/15 17:22	
Bromodichloromethane	ug/m3	ND	1.4	09/13/15 17:22	
Bromoform	ug/m3	ND	2.1	09/13/15 17:22	
Bromomethane	ug/m3	ND	0.79	09/13/15 17:22	
Carbon disulfide	ug/m3	ND	0.63	09/13/15 17:22	
Carbon tetrachloride	ug/m3	ND	0.64	09/13/15 17:22	
Chlorobenzene	ug/m3	ND	0.94	09/13/15 17:22	
Chloroethane	ug/m3	ND	0.54	09/13/15 17:22	
Chloroform	ug/m3	ND	0.50	09/13/15 17:22	
Chloromethane	ug/m3	ND	0.42	09/13/15 17:22	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	09/13/15 17:22	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	09/13/15 17:22	
Cyclohexane	ug/m3	ND	0.70	09/13/15 17:22	
Dibromochloromethane	ug/m3	ND	1.7	09/13/15 17:22	
Dichlorodifluoromethane	ug/m3	ND	1.0	09/13/15 17:22	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	09/13/15 17:22	
Ethanol	ug/m3	ND	0.96	09/13/15 17:22	
Ethyl acetate	ug/m3	ND	0.73	09/13/15 17:22	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 15080885 PES
Pace Project No.: 10320367

METHOD BLANK: 2076214 Matrix: Air
Associated Lab Samples: 10320367005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/m3	ND	0.88	09/13/15 17:22	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	09/13/15 17:22	
m&p-Xylene	ug/m3	ND	1.8	09/13/15 17:22	
Methyl-tert-butyl ether	ug/m3	ND	0.73	09/13/15 17:22	
Methylene Chloride	ug/m3	ND	3.5	09/13/15 17:22	
n-Heptane	ug/m3	ND	0.83	09/13/15 17:22	
n-Hexane	ug/m3	ND	0.72	09/13/15 17:22	
Naphthalene	ug/m3	ND	2.7	09/13/15 17:22	
o-Xylene	ug/m3	ND	0.88	09/13/15 17:22	
Propylene	ug/m3	ND	0.35	09/13/15 17:22	
Styrene	ug/m3	ND	0.87	09/13/15 17:22	
Tetrachloroethene	ug/m3	ND	0.69	09/13/15 17:22	
Tetrahydrofuran	ug/m3	ND	0.60	09/13/15 17:22	
Toluene	ug/m3	ND	0.77	09/13/15 17:22	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	09/13/15 17:22	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	09/13/15 17:22	
Trichloroethene	ug/m3	ND	1.1	09/13/15 17:22	
Trichlorofluoromethane	ug/m3	ND	1.1	09/13/15 17:22	
Vinyl acetate	ug/m3	ND	0.72	09/13/15 17:22	
Vinyl chloride	ug/m3	ND	0.26	09/13/15 17:22	

LABORATORY CONTROL SAMPLE: 2076215

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	64.7	117	72-140	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	83.1	119	68-137	
1,1,2-Trichloroethane	ug/m3	55.5	61.2	110	66-138	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	87.8	113	70-132	
1,1-Dichloroethane	ug/m3	41.2	46.9	114	68-137	
1,1-Dichloroethene	ug/m3	40.3	45.8	113	73-138	
1,2,4-Trichlorobenzene	ug/m3	75.5	75.6	100	48-150	
1,2,4-Trimethylbenzene	ug/m3	50	57.8	116	75-134	
1,2-Dibromoethane (EDB)	ug/m3	78.1	90.8	116	75-132	
1,2-Dichlorobenzene	ug/m3	61.2	68.2	112	71-129	
1,2-Dichloroethane	ug/m3	41.2	47.2	115	73-139	
1,2-Dichloropropane	ug/m3	47	52.0	111	70-130	
1,3,5-Trimethylbenzene	ug/m3	50	59.0	118	75-133	
1,3-Butadiene	ug/m3	22.5	25.3	112	66-135	
1,3-Dichlorobenzene	ug/m3	61.2	77.7	127	75-131	
1,4-Dichlorobenzene	ug/m3	61.2	75.3	123	69-135	
2-Butanone (MEK)	ug/m3	30	33.3	111	67-131	
2-Hexanone	ug/m3	41.7	49.1	118	72-130	
2-Propanol	ug/m3	25	26.0	104	66-133	
4-Ethyltoluene	ug/m3	50	61.9	124	75-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 15080885 PES
Pace Project No.: 10320367

LABORATORY CONTROL SAMPLE: 2076215

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/m3	41.7	45.4	109	68-134	
Acetone	ug/m3	24.2	21.9	91	63-144	
Benzene	ug/m3	32.5	36.0	111	64-139	
Benzyl chloride	ug/m3	52.5	55.5	106	75-129	
Bromodichloromethane	ug/m3	68.2	83.9	123	75-134	
Bromoform	ug/m3	105	112	106	72-130	
Bromomethane	ug/m3	39.5	43.2	109	71-132	
Carbon disulfide	ug/m3	31.7	36.6	115	56-139	
Carbon tetrachloride	ug/m3	64	77.4	121	75-150	
Chlorobenzene	ug/m3	46.8	52.5	112	71-132	
Chloroethane	ug/m3	26.8	29.9	111	71-129	
Chloroform	ug/m3	49.7	57.1	115	73-136	
Chloromethane	ug/m3	21	22.9	109	52-143	
cis-1,2-Dichloroethene	ug/m3	40.3	47.2	117	64-137	
cis-1,3-Dichloropropene	ug/m3	46.2	55.0	119	75-128	
Cyclohexane	ug/m3	35	38.5	110	62-143	
Dibromochloromethane	ug/m3	86.6	107	123	75-136	
Dichlorodifluoromethane	ug/m3	50.3	57.1	114	70-141	
Dichlorotetrafluoroethane	ug/m3	71.1	76.6	108	71-139	
Ethanol	ug/m3	19.2	15.9	83	60-144	
Ethyl acetate	ug/m3	36.6	39.5	108	64-137	
Ethylbenzene	ug/m3	44.2	48.6	110	71-136	
Hexachloro-1,3-butadiene	ug/m3	108	133	122	51-150	
m&p-Xylene	ug/m3	88.3	96.0	109	71-134	
Methyl-tert-butyl ether	ug/m3	36.7	40.7	111	73-134	
Methylene Chloride	ug/m3	35.3	32.4	92	64-130	
n-Heptane	ug/m3	41.7	46.2	111	63-135	
n-Hexane	ug/m3	35.8	38.6	108	69-135	
Naphthalene	ug/m3	53.3	57.0	107	43-150	
o-Xylene	ug/m3	44.2	48.7	110	75-134	
Propylene	ug/m3	17.5	19.2	109	58-135	
Styrene	ug/m3	43.3	53.3	123	75-133	
Tetrachloroethene	ug/m3	69	76.1	110	66-137	
Tetrahydrofuran	ug/m3	30	33.3	111	58-135	
Toluene	ug/m3	38.3	42.0	110	70-129	
trans-1,2-Dichloroethene	ug/m3	40.3	45.4	113	61-140	
trans-1,3-Dichloropropene	ug/m3	46.2	58.2	126	75-134	
Trichloroethene	ug/m3	54.6	60.5	111	70-134	
Trichlorofluoromethane	ug/m3	57.1	63.8	112	67-140	
Vinyl acetate	ug/m3	35.8	41.1	115	60-139	
Vinyl chloride	ug/m3	26	28.5	110	72-129	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 15080885 PES
Pace Project No.: 10320367

SAMPLE DUPLICATE: 2076736

Parameter	Units	10319873001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND		25	
1,1-Dichloroethane	ug/m3	ND	ND		25	
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	6.0	6.0	1	25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	ND	ND		25	
1,2-Dichloropropane	ug/m3	ND	ND		25	
1,3,5-Trimethylbenzene	ug/m3	1.8	1.8	0	25	
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	ND	ND		25	
2-Butanone (MEK)	ug/m3	6.0	6.0	0	25	
2-Hexanone	ug/m3	ND	ND		25	
2-Propanol	ug/m3	168	179	6	25	E
4-Ethyltoluene	ug/m3	2.1	2.1	0	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	.81J		25	
Acetone	ug/m3	19.8	24.4	21	25	
Benzene	ug/m3	0.67	0.68	1	25	
Benzyl chloride	ug/m3	ND	ND		25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	ND	ND		25	
Carbon tetrachloride	ug/m3	ND	.56J		25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	ND	ND		25	
Chloromethane	ug/m3	ND	ND		25	
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	1.5	1.5	3	25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	1.9	2.7	37	25	R1
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethanol	ug/m3	181	186	3	25	E
Ethyl acetate	ug/m3	3.9	3.8	4	25	
Ethylbenzene	ug/m3	1.4	1.5	4	25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	5.5	5.7	2	25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	8.6	8.8	2	25	
n-Heptane	ug/m3	ND	ND		25	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 15080885 PES
Pace Project No.: 10320367

SAMPLE DUPLICATE: 2076736

Parameter	Units	10319873001 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	3.0	2.9	5	25	
Naphthalene	ug/m3	4.3	4J		25	
o-Xylene	ug/m3	2.1	2.1	0	25	
Propylene	ug/m3	3.4	3.3	2	25	
Styrene	ug/m3	2.2	2.2	1	25	
Tetrachloroethene	ug/m3	5.6	3.6	44	25	R1
Tetrahydrofuran	ug/m3	4.9	5.4	10	25	
Toluene	ug/m3	6.6	6.6	0	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	ND	ND		25	
Trichlorofluoromethane	ug/m3	ND	1.7J		25	
Vinyl acetate	ug/m3	1.5	1.6	7	25	
Vinyl chloride	ug/m3	ND	ND		25	

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REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 15080885 PES
Pace Project No.: 10320367

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

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.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
R1	RPD value was outside control limits.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 15080885 PES
Pace Project No.: 10320367

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10320367001	**SYSTEM EFFLUENT**	TO-15	AIR/24107		
10320367002	**SVE-1**	TO-15	AIR/24107		
10320367003	**SVE-2**	TO-15	AIR/24107		
10320367004	**SVE-3**	TO-15	AIR/24107		
10320367005	**SSDS EFFLUENT**	TO-15	AIR/24118		

REPORT OF LABORATORY ANALYSIS

PACE - MN

10382367

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

Pace Analytical Services, Inc.

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

LRF # 15080885
(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: 15080885
PROJECT MANAGER: Nick Nicholas	LOCATION (CITY/STATE) ADDRESS: NY
Project: DAMB	REQUIRED TURN AROUND TIME: 9/10/2015
Notes:	NAME OF COURIER (IF USED):

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)

ELECTRONIC RESULTS: nicholas.nicholas@pacelabs.com; Nicole.Johnson@pacelabs.com

SAMPLE ID	DATE	TIME	MATRIX	GRAB/ COMP	LAB SAMPLE ID (LAB USE ONLY)	NUMBER OF CONTAINERS	EPA TO-15	REMARKS:
SYSTEM EFFLUENT	8/31/15	10:50	A	GRAB	AS26352	2	X	001
SVE-1	8/31/15	11:00	A	GRAB	AS26353	2	X	002
SVE-2	8/31/15	11:10	A	GRAB	AS26354	2	X	003
SVE-3	8/31/15	11:20	A	GRAB	AS26355	2	X	004
SSDS EFFLUENT	8/31/15	11:30	A	GRAB	AS26356	2	X	005

AMBIENT OR CHILLED: TEMP: COC TAPE: Y N PROPERLY PRESERVED: Y N

RECEIVED BROKEN OR LEAKING: Y N COC DISCREPANCIES: Y N RECVD W/I HOLDING TIMES: Y N

OTHER NOTES: Analytical Report [LEVEL-2] EDD: Excel Standard

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
SIGNATURE [signature]	SIGNATURE VIA FED EX →	SIGNATURE	SIGNATURE [signature] Pace	SIGNATURE	SIGNATURE
PRINTED NAME A. BUTTIG	PRINTED NAME	PRINTED NAME	PRINTED NAME Bob H	PRINTED NAME	PRINTED NAME
COMPANY PACE	COMPANY	COMPANY	COMPANY Pace	COMPANY	COMPANY
DATE/TIME 8/31/15 16:00	DATE/TIME	DATE/TIME	DATE/TIME 9/1/15 9:45	DATE/TIME	DATE/TIME

S:\LOGIN\MDLCOCS

Pace Analytical®	Document Name: **Air Sample Condition Upon Receipt**	Document Revised: 29June2015 Page 1 of 1
	Document No.: **F-MN-A-106-rev.10**	Issuing Authority: Pace Minnesota Quality Office

Air Sample Condition Upon Receipt

Client Name: Pace NY

Project #: WO# : 10320367

10320367

Courier: ☑ Fed Ex ☐ UPS ☐ Speedee ☐ Client ☐ Commercial ☐ Pace ☐ Other:

Tracking Number: 6389 6758 8087

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 ☐ Tin Can ☐ Other: **Temp Blank rec:** ☐ Yes ☑ No

Temp. (TO17 and TO13 samples only) (°C): AMB **Corrected Temp (°C):** AMB **Thermom. Used:** ☐ B88A912167504 ☐ B88A9132521491 ☐ 72337080 ☐ 80512447

Temp should be above freezing to 6°C **Correction Factor:** 0 **Date & Initials of Person Examining Contents:** AM 9/1/15

Type of ice Received ☐ Blue ☐ Wet ☑ None

				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.
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: Air Can Airbag Filter TDT Passive				11.
Sample Labels Match COC?	☐ Yes	☑ No	☐ N/A	12. No times on all Containers

Samples Received:

Canisters			Canisters		
Sample Number	Can ID	Flow Controller ID	Sample Number	Can ID	Flow Controller ID

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

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Date: 9/1/15

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)