



August 28, 2017

Mr. Jim Guzman  
Guzman Building, LLC  
1700 Rose Court  
Plover, WI 54467

**Re:       Dun-Rite Cleaners**  
1008 Union Street  
Stevens Point, Wisconsin  
WDNR BRRTS No. 0250000577

**Subject: Vapor Samples Results**

Dear Mr. Guzman:

The purpose of this letter is to present the results of vapor samples collected at the Guzman office building, located at 1100 Center Point Drive, Stevens Point, Wisconsin, on June 20, 2017. The samples were collected as part of environmental investigations associated with the Dun-Rite Cleaners site. The investigation is focused on chlorinated volatile organic compounds (VOCs), specifically tetrachloroethene (PCE) and trichloroethene (TCE).

#### **Work Performed**

Vapor samples were collected from three locations inside the building. The indoor samples included three samples of ambient air (i.e., typical room air) and two samples of sub-slab vapors (i.e., the vapor in the soil beneath the building). An outdoor sample was taken near the doors on the north side of the building. The samples were submitted to a laboratory and analyzed for VOCs.

#### **Sample Results**

The PCE and TCE results for all samples collected from the office building are presented on the enclosed **table**. All results for the most recent samples are included on the enclosed **laboratory report**.

#### Ambient Air

The three indoor ambient air samples each had detections of PCE and TCE, but all concentrations were below non-residential Action Levels. The Action Levels were established to be protective of human health.

### Sub-Slab Vapor

Two sub-slab vapor samples had detections of PCE above its Non-Residential Screening Level. The occurrence is not considered a direct health threat, but it presents a concern for potential vapor intrusion.

Building users who have questions may contact Ryan Wozniak (608.267.3227) with the Wisconsin Department of Health Services (DHS), who can address any health questions and concerns.

### **Going Forward**

We anticipate continuing to collect samples of the office building ambient air and sub-slab vapors on a periodic basis. The next event is tentatively scheduled for October 2017. We will contact and coordinate with you beforehand to collect additional samples.

If you have any questions or concerns, please contact me via phone at 715.824.5169 or by email at [pete.arntsen@sand-creek.com](mailto:pete.arntsen@sand-creek.com).

Sincerely,

### **SAND CREEK CONSULTANTS, INC.**



Pete Arntsen, MS, PH, PG  
Project Manager/Senior Hydrologist

Enclosures: Vapor Sample Results for Guzman Office Building  
Laboratory Report

Via email only

cc/enc: Mr. Ron Hanson/Dun-Rite Cleaners, via email only  
Mr. Aaron Kent/Wisconsin Department of Natural Resource, via email only

**Table 1: Vapor Sample Results for Guzman Office Building**  
 1100 Center Point Drive, Stevens Point, WI

**Ambient Air Samples ( $\mu\text{g}/\text{m}^3$ )**

Sample ID	Location	Date	Tetrachloro-ethene (PCE)	Trichloro-ethene (TCE)
<u>Indoor Air Vapor Action Levels<sup>1</sup></u>				
Non-Residential			<b>180</b>	<b>8.8</b>
Residential			42	2.1
AA405	Outdoor	9/19/2014	<1.2	<0.92
		2/27/2015	21	<0.38
		9/4/2015	2.3	<0.40
		10/5/2016	2.6	<0.41
		6/16/2017	<0.41	<0.41
AA406	United Way	9/19/2014	2.1	1.3
		2/27/2015	74	3.0
		9/4/2015	4.7	2.0
		2/16/2016	7.6	5.0
		10/5/2016	44	5.8
6/16/2017	4.0	1.5		
AA407	Wildcard (former)	9/19/2014	4.0	<1.2
		2/27/2015	83	1.5
		9/4/2015	10	1.1
		2/16/2016	11	4.4
		10/5/2016	12	3.0
6/16/2017	3.0	0.45 J		
AA408	Attorney (former)	9/19/2014	9.9	1.5
		2/23/2015	22	2.1
		9/4/2015	7.0	0.8
		2/16/2016	3.3	3.5
		10/5/2016	12	2.9
6/16/2017	2.9	<0.38		

**Table 1:** Vapor Sample Results for Guzman Office Building  
1100 Center Point Drive, Stevens Point, WI

**Sub-Slab Vapor Samples ( $\mu\text{g}/\text{m}^3$ )**

Sample ID	Location	Date	Tetrachloro-ethene (PCE)	Trichloro-ethene (TCE)
<b>Sub-Slab Vapor Screening Levels<sup>2</sup></b>				
Non-Residential			<b>5,994</b>	<b>293</b>
Residential			<i>1,399</i>	<i>70</i>
SSV405	Attorney (former)	9/19/2014	<b>7,470</b>	139
		2/24/2015	<b>17,800</b>	183
		10/5/2016	<b>22,300</b>	175
		6/16/2017	<b>17,400</b>	111
SSV406	Wildcard (former)	9/19/2014	<b>11,300</b>	<28
		2/27/2015	<b>7,180</b>	<24
		9/4/2015	<b>68,200</b>	16
		2/16/2016	<b>9,940</b>	11
		10/5/2016	<b>37,400</b>	15
		6/16/2017	<b>15,500</b>	9.1

Notes:

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

<0.076 = Substance not detected above indicated detection limit.

**Bold** indicate concentration exceeds Vapor Action Level or Vapor Screening Level for Non-Residential Conditions.

*Italics* indicate concentration exceeds Vapor Action Level or Vapor Screening Level for Residential Conditions.

J = Analyte was detected but is below the reporting limit. The concentration is estimated.

Highlighting indicates most recent results.

<sup>1</sup> Vapor Action Levels obtained from the **Indoor Air Vapor Action Levels for Various VOCs Quick Look-up Table Based on June 2015 Regional Screening Level Summary Table.**

[<http://dnr.wi.gov/topic/Brownfields/documents/vapor/vapor-quick.pdf>].

<sup>2</sup> Screening level for Residential/Small Commercial Buildings (dilution factor of 33.3).

## ANALYTICAL RESULTS

Project: Dunrite  
Pace Project No.: 10393175

Sample: AA 407 Lab ID: 10393175003 Collected: 06/16/17 16:06 Received: 06/22/17 10:10 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15							
Acetone	73.6	ug/m3	8.7	1.2	1.44		06/29/17 18:23	67-64-1	
Benzene	0.29J	ug/m3	0.93	0.18	1.44		06/29/17 18:23	71-43-2	
Benzyl chloride	<0.24	ug/m3	3.8	0.24	1.44		06/29/17 18:23	100-44-7	
Bromodichloromethane	<0.28	ug/m3	2.0	0.28	1.44		06/29/17 18:23	75-27-4	
Bromoform	<1.3	ug/m3	3.0	1.3	1.44		06/29/17 18:23	75-25-2	
Bromomethane	<0.45	ug/m3	1.1	0.45	1.44		06/29/17 18:23	74-83-9	
1,3-Butadiene	<0.25	ug/m3	0.65	0.25	1.44		06/29/17 18:23	106-99-0	
2-Butanone (MEK)	6.9	ug/m3	4.3	0.33	1.44		06/29/17 18:23	78-93-3	
Carbon disulfide	<0.15	ug/m3	0.91	0.15	1.44		06/29/17 18:23	75-15-0	
Carbon tetrachloride	<0.28	ug/m3	0.92	0.28	1.44		06/29/17 18:23	56-23-5	
Chlorobenzene	<0.19	ug/m3	1.4	0.19	1.44		06/29/17 18:23	108-90-7	
Chloroethane	<0.28	ug/m3	0.78	0.28	1.44		06/29/17 18:23	75-00-3	
Chloroform	<0.27	ug/m3	0.71	0.27	1.44		06/29/17 18:23	67-66-3	
Chloromethane	0.73	ug/m3	0.60	0.16	1.44		06/29/17 18:23	74-87-3	
Cyclohexane	<0.46	ug/m3	1.0	0.46	1.44		06/29/17 18:23	110-82-7	
Dibromochloromethane	<1.2	ug/m3	2.5	1.2	1.44		06/29/17 18:23	124-48-1	
1,2-Dibromoethane (EDB)	<1.1	ug/m3	2.2	1.1	1.44		06/29/17 18:23	106-93-4	
1,2-Dichlorobenzene	0.89J	ug/m3	4.4	0.74	1.44		06/29/17 18:23	95-50-1	
1,3-Dichlorobenzene	<0.76	ug/m3	4.4	0.76	1.44		06/29/17 18:23	541-73-1	
1,4-Dichlorobenzene	77.1	ug/m3	4.4	0.72	1.44		06/29/17 18:23	106-46-7	
Dichlorodifluoromethane	3.0	ug/m3	1.5	0.69	1.44		06/29/17 18:23	75-71-8	
1,1-Dichloroethane	<0.23	ug/m3	1.2	0.23	1.44		06/29/17 18:23	75-34-3	
1,2-Dichloroethane	<0.30	ug/m3	1.2	0.30	1.44		06/29/17 18:23	107-06-2	
1,1-Dichloroethene	<0.34	ug/m3	1.2	0.34	1.44		06/29/17 18:23	75-35-4	
cis-1,2-Dichloroethene	<0.35	ug/m3	1.2	0.35	1.44		06/29/17 18:23	156-59-2	
trans-1,2-Dichloroethene	<0.55	ug/m3	1.2	0.55	1.44		06/29/17 18:23	156-60-5	
1,2-Dichloropropane	<0.39	ug/m3	1.4	0.39	1.44		06/29/17 18:23	78-87-5	
cis-1,3-Dichloropropene	<0.53	ug/m3	1.3	0.53	1.44		06/29/17 18:23	10061-01-5	
trans-1,3-Dichloropropene	<0.37	ug/m3	1.3	0.37	1.44		06/29/17 18:23	10061-02-6	
Dichlorotetrafluoroethane	<0.45	ug/m3	2.0	0.45	1.44		06/29/17 18:23	76-14-2	
Ethanol	81.7	ug/m3	1.4	0.38	1.44		06/29/17 18:23	64-17-5	
Ethyl acetate	2.7	ug/m3	1.1	0.50	1.44		06/29/17 18:23	141-78-6	
Ethylbenzene	<0.61	ug/m3	1.3	0.61	1.44		06/29/17 18:23	100-41-4	
4-Ethyltoluene	<0.27	ug/m3	1.4	0.27	1.44		06/29/17 18:23	622-96-8	
n-Heptane	1.8	ug/m3	1.2	0.40	1.44		06/29/17 18:23	142-82-5	
Hexachloro-1,3-butadiene	<0.94	ug/m3	3.1	0.94	1.44		06/29/17 18:23	87-68-3	
n-Hexane	<0.51	ug/m3	1.0	0.51	1.44		06/29/17 18:23	110-54-3	
2-Hexanone	<0.59	ug/m3	7.5	0.59	1.44		06/29/17 18:23	591-78-6	
Methylene Chloride	<0.78	ug/m3	12.7	0.78	1.44		06/29/17 18:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.31	ug/m3	6.0	0.31	1.44		06/29/17 18:23	108-10-1	
Methyl-tert-butyl ether	<0.44	ug/m3	5.3	0.44	1.44		06/29/17 18:23	1634-04-4	
Naphthalene	<0.44	ug/m3	3.8	0.44	1.44		06/29/17 18:23	91-20-3	
2-Propanol	99.2	ug/m3	3.6	0.35	1.44		06/29/17 18:23	67-63-0	
Propylene	<0.19	ug/m3	0.50	0.19	1.44		06/29/17 18:23	115-07-1	
Styrene	0.65J	ug/m3	1.3	0.28	1.44		06/29/17 18:23	100-42-5	
1,1,2,2-Tetrachloroethane	<0.47	ug/m3	5.0	0.47	1.44		06/29/17 18:23	79-34-5	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Dunrite  
Pace Project No.: 10393175

Sample: AA 407 Lab ID: 10393175003 Collected: 06/16/17 16:06 Received: 06/22/17 10:10 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Tetrachloroethene	3.0	ug/m3	1.6	0.40	1.44		06/29/17 18:23	127-18-4	
Tetrahydrofuran	<0.17	ug/m3	0.86	0.17	1.44		06/29/17 18:23	109-99-9	
Toluene	1.9	ug/m3	1.1	0.22	1.44		06/29/17 18:23	108-88-3	
1,2,4-Trichlorobenzene	<1.3	ug/m3	5.4	1.3	1.44		06/29/17 18:23	120-82-1	
1,1,1-Trichloroethane	<0.36	ug/m3	1.6	0.36	1.44		06/29/17 18:23	71-55-6	
1,1,2-Trichloroethane	<0.35	ug/m3	1.6	0.35	1.44		06/29/17 18:23	79-00-5	
Trichloroethene	0.45J	ug/m3	0.79	0.40	1.44		06/29/17 18:23	79-01-6	
Trichlorofluoromethane	<0.19	ug/m3	1.6	0.19	1.44		06/29/17 18:23	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.43	ug/m3	2.3	0.43	1.44		06/29/17 18:23	76-13-1	
1,2,4-Trimethylbenzene	0.85J	ug/m3	3.6	0.18	1.44		06/29/17 18:23	95-63-6	
1,3,5-Trimethylbenzene	<0.26	ug/m3	3.6	0.26	1.44		06/29/17 18:23	108-67-8	
Vinyl acetate	<0.48	ug/m3	1.0	0.48	1.44		06/29/17 18:23	108-05-4	
Vinyl chloride	<0.28	ug/m3	0.75	0.28	1.44		06/29/17 18:23	75-01-4	
m&p-Xylene	<1.1	ug/m3	2.5	1.1	1.44		06/29/17 18:23	179601-23-1	
o-Xylene	<0.51	ug/m3	1.3	0.51	1.44		06/29/17 18:23	95-47-6	

Sample: AA 406 Lab ID: 10393175004 Collected: 06/16/17 16:04 Received: 06/22/17 10:10 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Acetone	71.4	ug/m3	8.7	1.2	1.44		06/29/17 18:50	67-64-1	
Benzene	0.34J	ug/m3	0.93	0.18	1.44		06/29/17 18:50	71-43-2	
Benzyl chloride	<0.24	ug/m3	3.8	0.24	1.44		06/29/17 18:50	100-44-7	
Bromodichloromethane	<0.28	ug/m3	2.0	0.28	1.44		06/29/17 18:50	75-27-4	
Bromoform	<1.3	ug/m3	3.0	1.3	1.44		06/29/17 18:50	75-25-2	
Bromomethane	<0.45	ug/m3	1.1	0.45	1.44		06/29/17 18:50	74-83-9	
1,3-Butadiene	<0.25	ug/m3	0.65	0.25	1.44		06/29/17 18:50	106-99-0	
2-Butanone (MEK)	5.5	ug/m3	4.3	0.33	1.44		06/29/17 18:50	78-93-3	
Carbon disulfide	<0.15	ug/m3	0.91	0.15	1.44		06/29/17 18:50	75-15-0	
Carbon tetrachloride	<0.28	ug/m3	0.92	0.28	1.44		06/29/17 18:50	56-23-5	
Chlorobenzene	<0.19	ug/m3	1.4	0.19	1.44		06/29/17 18:50	108-90-7	
Chloroethane	<0.28	ug/m3	0.78	0.28	1.44		06/29/17 18:50	75-00-3	
Chloroform	<0.27	ug/m3	0.71	0.27	1.44		06/29/17 18:50	67-66-3	
Chloromethane	1.2	ug/m3	0.60	0.16	1.44		06/29/17 18:50	74-87-3	
Cyclohexane	4.9	ug/m3	1.0	0.46	1.44		06/29/17 18:50	110-82-7	
Dibromochloromethane	<1.2	ug/m3	2.5	1.2	1.44		06/29/17 18:50	124-48-1	
1,2-Dibromoethane (EDB)	<1.1	ug/m3	2.2	1.1	1.44		06/29/17 18:50	106-93-4	
1,2-Dichlorobenzene	<0.74	ug/m3	4.4	0.74	1.44		06/29/17 18:50	95-50-1	
1,3-Dichlorobenzene	<0.76	ug/m3	4.4	0.76	1.44		06/29/17 18:50	541-73-1	
1,4-Dichlorobenzene	264	ug/m3	4.4	0.72	1.44		06/29/17 18:50	106-46-7	
Dichlorodifluoromethane	3.8	ug/m3	1.5	0.69	1.44		06/29/17 18:50	75-71-8	
1,1-Dichloroethane	<0.23	ug/m3	1.2	0.23	1.44		06/29/17 18:50	75-34-3	
1,2-Dichloroethane	<0.30	ug/m3	1.2	0.30	1.44		06/29/17 18:50	107-06-2	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Dunrite  
Pace Project No.: 10393175

Sample: AA 406 Lab ID: 10393175004 Collected: 06/16/17 16:04 Received: 06/22/17 10:10 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15							
1,1-Dichloroethene	<0.34	ug/m3	1.2	0.34	1.44		06/29/17 18:50	75-35-4	
cis-1,2-Dichloroethene	<0.35	ug/m3	1.2	0.35	1.44		06/29/17 18:50	156-59-2	
trans-1,2-Dichloroethene	<0.55	ug/m3	1.2	0.55	1.44		06/29/17 18:50	156-60-5	
1,2-Dichloropropane	<0.39	ug/m3	1.4	0.39	1.44		06/29/17 18:50	78-87-5	
cis-1,3-Dichloropropene	<0.53	ug/m3	1.3	0.53	1.44		06/29/17 18:50	10061-01-5	
trans-1,3-Dichloropropene	<0.37	ug/m3	1.3	0.37	1.44		06/29/17 18:50	10061-02-6	
Dichlorotetrafluoroethane	<0.45	ug/m3	2.0	0.45	1.44		06/29/17 18:50	76-14-2	
Ethanol	210	ug/m3	1.4	0.38	1.44		06/29/17 18:50	64-17-5	
Ethyl acetate	4.7	ug/m3	1.1	0.50	1.44		06/29/17 18:50	141-78-6	
Ethylbenzene	0.97J	ug/m3	1.3	0.61	1.44		06/29/17 18:50	100-41-4	
4-Ethyltoluene	0.82J	ug/m3	1.4	0.27	1.44		06/29/17 18:50	622-96-8	
n-Heptane	2.6	ug/m3	1.2	0.40	1.44		06/29/17 18:50	142-82-5	
Hexachloro-1,3-butadiene	<0.94	ug/m3	3.1	0.94	1.44		06/29/17 18:50	87-68-3	
n-Hexane	<0.51	ug/m3	1.0	0.51	1.44		06/29/17 18:50	110-54-3	
2-Hexanone	<0.59	ug/m3	7.5	0.59	1.44		06/29/17 18:50	591-78-6	
Methylene Chloride	<0.78	ug/m3	12.7	0.78	1.44		06/29/17 18:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.31	ug/m3	6.0	0.31	1.44		06/29/17 18:50	108-10-1	
Methyl-tert-butyl ether	<0.44	ug/m3	5.3	0.44	1.44		06/29/17 18:50	1634-04-4	
Naphthalene	2.9J	ug/m3	3.8	0.44	1.44		06/29/17 18:50	91-20-3	
2-Propanol	130	ug/m3	3.6	0.35	1.44		06/29/17 18:50	67-63-0	
Propylene	<0.19	ug/m3	0.50	0.19	1.44		06/29/17 18:50	115-07-1	
Styrene	1.2J	ug/m3	1.3	0.28	1.44		06/29/17 18:50	100-42-5	
1,1,2,2-Tetrachloroethane	<0.47	ug/m3	5.0	0.47	1.44		06/29/17 18:50	79-34-5	
<b>Tetrachloroethene</b>	<b>4.0</b>	<b>ug/m3</b>	1.6	0.40	1.44		06/29/17 18:50	127-18-4	
Tetrahydrofuran	<0.17	ug/m3	0.86	0.17	1.44		06/29/17 18:50	109-99-9	
Toluene	2.9	ug/m3	1.1	0.22	1.44		06/29/17 18:50	108-88-3	
1,2,4-Trichlorobenzene	<1.3	ug/m3	5.4	1.3	1.44		06/29/17 18:50	120-82-1	
1,1,1-Trichloroethane	<0.36	ug/m3	1.6	0.36	1.44		06/29/17 18:50	71-55-6	
1,1,2-Trichloroethane	<0.35	ug/m3	1.6	0.35	1.44		06/29/17 18:50	79-00-5	
<b>Trichloroethene</b>	<b>1.5</b>	<b>ug/m3</b>	0.79	0.40	1.44		06/29/17 18:50	79-01-6	
Trichlorofluoromethane	<0.19	ug/m3	1.6	0.19	1.44		06/29/17 18:50	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.43	ug/m3	2.3	0.43	1.44		06/29/17 18:50	76-13-1	
1,2,4-Trimethylbenzene	5.5	ug/m3	3.6	0.18	1.44		06/29/17 18:50	95-63-6	
1,3,5-Trimethylbenzene	5.3	ug/m3	3.6	0.26	1.44		06/29/17 18:50	108-67-8	
Vinyl acetate	2.2	ug/m3	1.0	0.48	1.44		06/29/17 18:50	108-05-4	
Vinyl chloride	<0.28	ug/m3	0.75	0.28	1.44		06/29/17 18:50	75-01-4	
m&p-Xylene	4.1	ug/m3	2.5	1.1	1.44		06/29/17 18:50	179601-23-1	
o-Xylene	1.5	ug/m3	1.3	0.51	1.44		06/29/17 18:50	95-47-6	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Dunrite  
Pace Project No.: 10393175

Sample: AA 405      Lab ID: 10393175005      Collected: 06/16/17 16:01      Received: 06/22/17 10:10      Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15							
Acetone	6.4J	ug/m3	9.0	1.2	1.49		06/29/17 19:45	67-64-1	
Benzene	0.30J	ug/m3	0.97	0.18	1.49		06/29/17 19:45	71-43-2	
Benzyl chloride	<0.25	ug/m3	3.9	0.25	1.49		06/29/17 19:45	100-44-7	
Bromodichloromethane	<0.29	ug/m3	2.0	0.29	1.49		06/29/17 19:45	75-27-4	
Bromoform	<1.3	ug/m3	3.1	1.3	1.49		06/29/17 19:45	75-25-2	
Bromomethane	<0.46	ug/m3	1.2	0.46	1.49		06/29/17 19:45	74-83-9	
1,3-Butadiene	<0.26	ug/m3	0.67	0.26	1.49		06/29/17 19:45	106-99-0	
2-Butanone (MEK)	3.1J	ug/m3	4.5	0.34	1.49		06/29/17 19:45	78-93-3	
Carbon disulfide	<0.15	ug/m3	0.94	0.15	1.49		06/29/17 19:45	75-15-0	
Carbon tetrachloride	<0.29	ug/m3	0.95	0.29	1.49		06/29/17 19:45	56-23-5	
Chlorobenzene	<0.20	ug/m3	1.4	0.20	1.49		06/29/17 19:45	108-90-7	
Chloroethane	<0.29	ug/m3	0.80	0.29	1.49		06/29/17 19:45	75-00-3	
Chloroform	<0.28	ug/m3	0.74	0.28	1.49		06/29/17 19:45	67-66-3	
Chloromethane	0.68	ug/m3	0.63	0.16	1.49		06/29/17 19:45	74-87-3	
Cyclohexane	<0.47	ug/m3	1.0	0.47	1.49		06/29/17 19:45	110-82-7	
Dibromochloromethane	<1.3	ug/m3	2.6	1.3	1.49		06/29/17 19:45	124-48-1	
1,2-Dibromoethane (EDB)	<1.2	ug/m3	2.3	1.2	1.49		06/29/17 19:45	106-93-4	
1,2-Dichlorobenzene	<0.76	ug/m3	4.6	0.76	1.49		06/29/17 19:45	95-50-1	
1,3-Dichlorobenzene	<0.79	ug/m3	4.6	0.79	1.49		06/29/17 19:45	541-73-1	
1,4-Dichlorobenzene	4.9	ug/m3	4.6	0.74	1.49		06/29/17 19:45	106-46-7	
Dichlorodifluoromethane	<0.72	ug/m3	1.5	0.72	1.49		06/29/17 19:45	75-71-8	
1,1-Dichloroethane	<0.23	ug/m3	1.2	0.23	1.49		06/29/17 19:45	75-34-3	
1,2-Dichloroethane	<0.31	ug/m3	1.2	0.31	1.49		06/29/17 19:45	107-06-2	
1,1-Dichloroethene	<0.35	ug/m3	1.2	0.35	1.49		06/29/17 19:45	75-35-4	
cis-1,2-Dichloroethene	<0.37	ug/m3	1.2	0.37	1.49		06/29/17 19:45	156-59-2	
trans-1,2-Dichloroethene	<0.57	ug/m3	1.2	0.57	1.49		06/29/17 19:45	156-60-5	
1,2-Dichloropropane	<0.40	ug/m3	1.4	0.40	1.49		06/29/17 19:45	78-87-5	
cis-1,3-Dichloropropene	<0.55	ug/m3	1.4	0.55	1.49		06/29/17 19:45	10061-01-5	
trans-1,3-Dichloropropene	<0.39	ug/m3	1.4	0.39	1.49		06/29/17 19:45	10061-02-6	
Dichlorotetrafluoroethane	<0.46	ug/m3	2.1	0.46	1.49		06/29/17 19:45	76-14-2	
Ethanol	3.0	ug/m3	1.4	0.39	1.49		06/29/17 19:45	64-17-5	
Ethyl acetate	<0.52	ug/m3	1.1	0.52	1.49		06/29/17 19:45	141-78-6	
Ethylbenzene	<0.63	ug/m3	1.3	0.63	1.49		06/29/17 19:45	100-41-4	
4-Ethyltoluene	<0.28	ug/m3	1.5	0.28	1.49		06/29/17 19:45	622-96-8	
n-Heptane	<0.42	ug/m3	1.2	0.42	1.49		06/29/17 19:45	142-82-5	
Hexachloro-1,3-butadiene	<0.97	ug/m3	3.2	0.97	1.49		06/29/17 19:45	87-68-3	
n-Hexane	<0.53	ug/m3	1.1	0.53	1.49		06/29/17 19:45	110-54-3	
2-Hexanone	<0.61	ug/m3	7.8	0.61	1.49		06/29/17 19:45	591-78-6	
Methylene Chloride	<0.81	ug/m3	13.2	0.81	1.49		06/29/17 19:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.32	ug/m3	6.2	0.32	1.49		06/29/17 19:45	108-10-1	
Methyl-tert-butyl ether	<0.45	ug/m3	5.5	0.45	1.49		06/29/17 19:45	1634-04-4	
Naphthalene	<0.45	ug/m3	4.0	0.45	1.49		06/29/17 19:45	91-20-3	
2-Propanol	<0.36	ug/m3	3.7	0.36	1.49		06/29/17 19:45	67-63-0	
Propylene	0.27J	ug/m3	0.52	0.20	1.49		06/29/17 19:45	115-07-1	
Styrene	<0.29	ug/m3	1.3	0.29	1.49		06/29/17 19:45	100-42-5	
1,1,2,2-Tetrachloroethane	<0.49	ug/m3	5.2	0.49	1.49		06/29/17 19:45	79-34-5	

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## ANALYTICAL RESULTS

Project: Dunrite  
Pace Project No.: 10393175

Sample: AA 405 Lab ID: 10393175005 Collected: 06/16/17 16:01 Received: 06/22/17 10:10 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b> Analytical Method: TO-15									
Tetrachloroethene	<0.41	ug/m3	1.6	0.41	1.49		06/29/17 19:45	127-18-4	
Tetrahydrofuran	<0.18	ug/m3	0.89	0.18	1.49		06/29/17 19:45	109-99-9	
Toluene	1.0J	ug/m3	1.1	0.23	1.49		06/29/17 19:45	108-88-3	
1,2,4-Trichlorobenzene	<1.4	ug/m3	5.6	1.4	1.49		06/29/17 19:45	120-82-1	
1,1,1-Trichloroethane	<0.37	ug/m3	1.7	0.37	1.49		06/29/17 19:45	71-55-6	
1,1,2-Trichloroethane	<0.37	ug/m3	1.7	0.37	1.49		06/29/17 19:45	79-00-5	
Trichloroethene	<0.41	ug/m3	0.82	0.41	1.49		06/29/17 19:45	79-01-6	
Trichlorofluoromethane	<0.20	ug/m3	1.7	0.20	1.49		06/29/17 19:45	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.45	ug/m3	2.4	0.45	1.49		06/29/17 19:45	76-13-1	
1,2,4-Trimethylbenzene	<0.19	ug/m3	3.7	0.19	1.49		06/29/17 19:45	95-63-6	
1,3,5-Trimethylbenzene	<0.27	ug/m3	3.7	0.27	1.49		06/29/17 19:45	108-67-8	
Vinyl acetate	2.1	ug/m3	1.1	0.49	1.49		06/29/17 19:45	108-05-4	
Vinyl chloride	<0.29	ug/m3	0.77	0.29	1.49		06/29/17 19:45	75-01-4	
m&p-Xylene	<1.2	ug/m3	2.6	1.2	1.49		06/29/17 19:45	179601-23-1	
o-Xylene	<0.52	ug/m3	1.3	0.52	1.49		06/29/17 19:45	95-47-6	

Sample: SSV 406 Lab ID: 10393175006 Collected: 06/16/17 09:30 Received: 06/22/17 10:10 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b> Analytical Method: TO-15									
Acetone	19.4	ug/m3	10.6	1.5	1.75		06/29/17 21:35	67-64-1	
Benzene	5.9	ug/m3	1.1	0.21	1.75		06/29/17 21:35	71-43-2	
Benzyl chloride	<0.29	ug/m3	4.6	0.29	1.75		06/29/17 21:35	100-44-7	
Bromodichloromethane	<0.34	ug/m3	2.4	0.34	1.75		06/29/17 21:35	75-27-4	
Bromoform	<1.6	ug/m3	3.7	1.6	1.75		06/29/17 21:35	75-25-2	
Bromomethane	<0.54	ug/m3	1.4	0.54	1.75		06/29/17 21:35	74-83-9	
1,3-Butadiene	<0.31	ug/m3	0.79	0.31	1.75		06/29/17 21:35	106-99-0	
2-Butanone (MEK)	5.5	ug/m3	5.2	0.40	1.75		06/29/17 21:35	78-93-3	
Carbon disulfide	8.0	ug/m3	1.1	0.18	1.75		06/29/17 21:35	75-15-0	
Carbon tetrachloride	<0.34	ug/m3	1.1	0.34	1.75		06/29/17 21:35	56-23-5	
Chlorobenzene	<0.23	ug/m3	1.6	0.23	1.75		06/29/17 21:35	108-90-7	
Chloroethane	<0.34	ug/m3	0.94	0.34	1.75		06/29/17 21:35	75-00-3	
Chloroform	<0.33	ug/m3	0.87	0.33	1.75		06/29/17 21:35	67-66-3	
Chloromethane	<0.19	ug/m3	0.74	0.19	1.75		06/29/17 21:35	74-87-3	
Cyclohexane	<0.55	ug/m3	1.2	0.55	1.75		06/29/17 21:35	110-82-7	
Dibromochloromethane	<1.5	ug/m3	3.0	1.5	1.75		06/29/17 21:35	124-48-1	
1,2-Dibromoethane (EDB)	<1.4	ug/m3	2.7	1.4	1.75		06/29/17 21:35	106-93-4	
1,2-Dichlorobenzene	1.9J	ug/m3	5.3	0.90	1.75		06/29/17 21:35	95-50-1	
1,3-Dichlorobenzene	<0.93	ug/m3	5.3	0.93	1.75		06/29/17 21:35	541-73-1	
1,4-Dichlorobenzene	2.4J	ug/m3	5.3	0.87	1.75		06/29/17 21:35	106-46-7	
Dichlorodifluoromethane	19.1	ug/m3	1.8	0.84	1.75		06/29/17 21:35	75-71-8	
1,1-Dichloroethane	<0.27	ug/m3	1.4	0.27	1.75		06/29/17 21:35	75-34-3	
1,2-Dichloroethane	<0.36	ug/m3	1.4	0.36	1.75		06/29/17 21:35	107-06-2	

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## ANALYTICAL RESULTS

Project: Dunrite  
Pace Project No.: 10393175

Sample: **SSV 406** Lab ID: **10393175006** Collected: 06/16/17 09:30 Received: 06/22/17 10:10 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15							
1,1-Dichloroethene	<0.42	ug/m3	1.4	0.42	1.75		06/29/17 21:35	75-35-4	
cis-1,2-Dichloroethene	<0.43	ug/m3	1.4	0.43	1.75		06/29/17 21:35	156-59-2	
trans-1,2-Dichloroethene	<0.67	ug/m3	1.4	0.67	1.75		06/29/17 21:35	156-60-5	
1,2-Dichloropropane	<0.47	ug/m3	1.6	0.47	1.75		06/29/17 21:35	78-87-5	
cis-1,3-Dichloropropene	<0.65	ug/m3	1.6	0.65	1.75		06/29/17 21:35	10061-01-5	
trans-1,3-Dichloropropene	<0.46	ug/m3	1.6	0.46	1.75		06/29/17 21:35	10061-02-6	
Dichlorotetrafluoroethane	<0.54	ug/m3	2.5	0.54	1.75		06/29/17 21:35	76-14-2	
Ethanol	23.4	ug/m3	1.7	0.46	1.75		06/29/17 21:35	64-17-5	
Ethyl acetate	<0.61	ug/m3	1.3	0.61	1.75		06/29/17 21:35	141-78-6	
Ethylbenzene	<0.74	ug/m3	1.5	0.74	1.75		06/29/17 21:35	100-41-4	
4-Ethyltoluene	<0.33	ug/m3	1.8	0.33	1.75		06/29/17 21:35	622-96-8	
n-Heptane	<0.49	ug/m3	1.5	0.49	1.75		06/29/17 21:35	142-82-5	
Hexachloro-1,3-butadiene	<1.1	ug/m3	3.8	1.1	1.75		06/29/17 21:35	87-68-3	
n-Hexane	<0.62	ug/m3	1.3	0.62	1.75		06/29/17 21:35	110-54-3	
2-Hexanone	<0.72	ug/m3	9.1	0.72	1.75		06/29/17 21:35	591-78-6	
Methylene Chloride	<0.95	ug/m3	15.4	0.95	1.75		06/29/17 21:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.38	ug/m3	7.3	0.38	1.75		06/29/17 21:35	108-10-1	
Methyl-tert-butyl ether	<0.53	ug/m3	6.4	0.53	1.75		06/29/17 21:35	1634-04-4	
Naphthalene	<0.53	ug/m3	4.7	0.53	1.75		06/29/17 21:35	91-20-3	
2-Propanol	0.77J	ug/m3	4.4	0.42	1.75		06/29/17 21:35	67-63-0	
Propylene	<0.24	ug/m3	0.61	0.24	1.75		06/29/17 21:35	115-07-1	
Styrene	2.4	ug/m3	1.5	0.34	1.75		06/29/17 21:35	100-42-5	
1,1,2,2-Tetrachloroethane	<0.58	ug/m3	6.1	0.58	1.75		06/29/17 21:35	79-34-5	
<b>Tetrachloroethene</b>	<b>15500</b>	<b>ug/m3</b>	153	38.9	140		06/30/17 17:47	127-18-4	A3
Tetrahydrofuran	6.4	ug/m3	1.0	0.21	1.75		06/29/17 21:35	109-99-9	
Toluene	<0.27	ug/m3	1.3	0.27	1.75		06/29/17 21:35	108-88-3	
1,2,4-Trichlorobenzene	<1.6	ug/m3	6.6	1.6	1.75		06/29/17 21:35	120-82-1	
1,1,1-Trichloroethane	<0.43	ug/m3	1.9	0.43	1.75		06/29/17 21:35	71-55-6	
1,1,2-Trichloroethane	<0.43	ug/m3	1.9	0.43	1.75		06/29/17 21:35	79-00-5	
<b>Trichloroethene</b>	<b>9.1</b>	<b>ug/m3</b>	0.96	0.48	1.75		06/29/17 21:35	79-01-6	
Trichlorofluoromethane	<0.23	ug/m3	2.0	0.23	1.75		06/29/17 21:35	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.53	ug/m3	2.8	0.53	1.75		06/29/17 21:35	76-13-1	
1,2,4-Trimethylbenzene	1.4J	ug/m3	4.4	0.22	1.75		06/29/17 21:35	95-63-6	
1,3,5-Trimethylbenzene	1.0J	ug/m3	4.4	0.32	1.75		06/29/17 21:35	108-67-8	
Vinyl acetate	<0.58	ug/m3	1.3	0.58	1.75		06/29/17 21:35	108-05-4	
Vinyl chloride	<0.34	ug/m3	0.91	0.34	1.75		06/29/17 21:35	75-01-4	
m&p-Xylene	<1.4	ug/m3	3.1	1.4	1.75		06/29/17 21:35	179601-23-1	
o-Xylene	<0.61	ug/m3	1.5	0.61	1.75		06/29/17 21:35	95-47-6	

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## ANALYTICAL RESULTS

Project: Dunrite  
Pace Project No.: 10393175

Sample: **SSV 405**      Lab ID: **10393175007**      Collected: 06/16/17 10:10      Received: 06/22/17 10:10      Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b> Analytical Method: TO-15									
Acetone	31.2	ug/m3	10.1	1.4	1.68		06/29/17 22:02	67-64-1	
Benzene	5.7	ug/m3	1.1	0.20	1.68		06/29/17 22:02	71-43-2	
Benzyl chloride	<0.28	ug/m3	4.4	0.28	1.68		06/29/17 22:02	100-44-7	
Bromodichloromethane	<0.33	ug/m3	2.3	0.33	1.68		06/29/17 22:02	75-27-4	
Bromoform	<1.5	ug/m3	3.5	1.5	1.68		06/29/17 22:02	75-25-2	
Bromomethane	<0.52	ug/m3	1.3	0.52	1.68		06/29/17 22:02	74-83-9	
1,3-Butadiene	<0.30	ug/m3	0.76	0.30	1.68		06/29/17 22:02	106-99-0	
2-Butanone (MEK)	9.5	ug/m3	5.0	0.38	1.68		06/29/17 22:02	78-93-3	
Carbon disulfide	3.6	ug/m3	1.1	0.17	1.68		06/29/17 22:02	75-15-0	
Carbon tetrachloride	<0.32	ug/m3	1.1	0.32	1.68		06/29/17 22:02	56-23-5	
Chlorobenzene	<0.23	ug/m3	1.6	0.23	1.68		06/29/17 22:02	108-90-7	
Chloroethane	<0.33	ug/m3	0.91	0.33	1.68		06/29/17 22:02	75-00-3	
Chloroform	<0.32	ug/m3	0.83	0.32	1.68		06/29/17 22:02	67-66-3	
Chloromethane	<0.18	ug/m3	0.71	0.18	1.68		06/29/17 22:02	74-87-3	
Cyclohexane	4.5	ug/m3	1.2	0.53	1.68		06/29/17 22:02	110-82-7	
Dibromochloromethane	<1.4	ug/m3	2.9	1.4	1.68		06/29/17 22:02	124-48-1	
1,2-Dibromoethane (EDB)	<1.3	ug/m3	2.6	1.3	1.68		06/29/17 22:02	106-93-4	
1,2-Dichlorobenzene	2.1J	ug/m3	5.1	0.86	1.68		06/29/17 22:02	95-50-1	
1,3-Dichlorobenzene	<0.89	ug/m3	5.1	0.89	1.68		06/29/17 22:02	541-73-1	
1,4-Dichlorobenzene	2.4J	ug/m3	5.1	0.84	1.68		06/29/17 22:02	106-46-7	
Dichlorodifluoromethane	9.9	ug/m3	1.7	0.81	1.68		06/29/17 22:02	75-71-8	
1,1-Dichloroethane	<0.26	ug/m3	1.4	0.26	1.68		06/29/17 22:02	75-34-3	
1,2-Dichloroethane	<0.34	ug/m3	1.4	0.34	1.68		06/29/17 22:02	107-06-2	
1,1-Dichloroethene	<0.40	ug/m3	1.4	0.40	1.68		06/29/17 22:02	75-35-4	
cis-1,2-Dichloroethene	<0.41	ug/m3	1.4	0.41	1.68		06/29/17 22:02	156-59-2	
trans-1,2-Dichloroethene	<0.65	ug/m3	1.4	0.65	1.68		06/29/17 22:02	156-60-5	
1,2-Dichloropropane	<0.45	ug/m3	1.6	0.45	1.68		06/29/17 22:02	78-87-5	
cis-1,3-Dichloropropene	<0.62	ug/m3	1.5	0.62	1.68		06/29/17 22:02	10061-01-5	
trans-1,3-Dichloropropene	<0.44	ug/m3	1.5	0.44	1.68		06/29/17 22:02	10061-02-6	
Dichlorotetrafluoroethane	<0.52	ug/m3	2.4	0.52	1.68		06/29/17 22:02	76-14-2	
Ethanol	19.2	ug/m3	1.6	0.45	1.68		06/29/17 22:02	64-17-5	
Ethyl acetate	<0.58	ug/m3	1.2	0.58	1.68		06/29/17 22:02	141-78-6	
Ethylbenzene	4.1	ug/m3	1.5	0.71	1.68		06/29/17 22:02	100-41-4	
4-Ethyltoluene	11.1	ug/m3	1.7	0.32	1.68		06/29/17 22:02	622-96-8	
n-Heptane	3.2	ug/m3	1.4	0.47	1.68		06/29/17 22:02	142-82-5	
Hexachloro-1,3-butadiene	<1.1	ug/m3	3.6	1.1	1.68		06/29/17 22:02	87-68-3	
n-Hexane	<0.60	ug/m3	1.2	0.60	1.68		06/29/17 22:02	110-54-3	
2-Hexanone	4.8J	ug/m3	8.7	0.69	1.68		06/29/17 22:02	591-78-6	
Methylene Chloride	<0.91	ug/m3	14.8	0.91	1.68		06/29/17 22:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	4.2J	ug/m3	7.0	0.36	1.68		06/29/17 22:02	108-10-1	
Methyl-tert-butyl ether	<0.51	ug/m3	6.2	0.51	1.68		06/29/17 22:02	1634-04-4	
Naphthalene	29.9	ug/m3	4.5	0.51	1.68		06/29/17 22:02	91-20-3	
2-Propanol	15.6	ug/m3	4.2	0.40	1.68		06/29/17 22:02	67-63-0	
Propylene	<0.23	ug/m3	0.59	0.23	1.68		06/29/17 22:02	115-07-1	
Styrene	2.9	ug/m3	1.5	0.32	1.68		06/29/17 22:02	100-42-5	
1,1,2,2-Tetrachloroethane	<0.55	ug/m3	5.9	0.55	1.68		06/29/17 22:02	79-34-5	

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### ANALYTICAL RESULTS

Project: Dunrite  
Pace Project No.: 10393175

**Sample: SSV 405**      **Lab ID: 10393175007**      Collected: 06/16/17 10:10      Received: 06/22/17 10:10      Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15							
<b>Tetrachloroethene</b>	<b>17400</b>	<b>ug/m3</b>	147	37.4	134.4		06/30/17 18:10	127-18-4	A3
Tetrahydrofuran	3.6	ug/m3	1.0	0.20	1.68		06/29/17 22:02	109-99-9	
Toluene	5.8	ug/m3	1.3	0.26	1.68		06/29/17 22:02	108-88-3	
1,2,4-Trichlorobenzene	<1.5	ug/m3	6.3	1.5	1.68		06/29/17 22:02	120-82-1	
1,1,1-Trichloroethane	<0.41	ug/m3	1.9	0.41	1.68		06/29/17 22:02	71-55-6	
1,1,2-Trichloroethane	<0.41	ug/m3	1.9	0.41	1.68		06/29/17 22:02	79-00-5	
<b>Trichloroethene</b>	<b>111</b>	<b>ug/m3</b>	0.92	0.46	1.68		06/29/17 22:02	79-01-6	
Trichlorofluoromethane	<0.22	ug/m3	1.9	0.22	1.68		06/29/17 22:02	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.51	ug/m3	2.7	0.51	1.68		06/29/17 22:02	76-13-1	
1,2,4-Trimethylbenzene	30.5	ug/m3	4.2	0.21	1.68		06/29/17 22:02	95-63-6	
1,3,5-Trimethylbenzene	9.2	ug/m3	4.2	0.31	1.68		06/29/17 22:02	108-67-8	
Vinyl acetate	<0.55	ug/m3	1.2	0.55	1.68		06/29/17 22:02	108-05-4	
Vinyl chloride	<0.33	ug/m3	0.87	0.33	1.68		06/29/17 22:02	75-01-4	
m&p-Xylene	18.9	ug/m3	3.0	1.3	1.68		06/29/17 22:02	179601-23-1	
o-Xylene	10.6	ug/m3	1.5	0.59	1.68		06/29/17 22:02	95-47-6	

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### ANALYTICAL RESULTS

Project: Dunrite  
Pace Project No.: 10393175

Sample: AA 408 Lab ID: 10393175011 Collected: 06/16/17 16:08 Received: 06/22/17 10:10 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15							
Acetone	79.1	ug/m3	8.4	1.2	1.39		06/29/17 20:40	67-64-1	
Benzene	0.29J	ug/m3	0.90	0.17	1.39		06/29/17 20:40	71-43-2	
Benzyl chloride	<0.23	ug/m3	3.7	0.23	1.39		06/29/17 20:40	100-44-7	
Bromodichloromethane	<0.27	ug/m3	1.9	0.27	1.39		06/29/17 20:40	75-27-4	
Bromoform	<1.3	ug/m3	2.9	1.3	1.39		06/29/17 20:40	75-25-2	
Bromomethane	<0.43	ug/m3	1.1	0.43	1.39		06/29/17 20:40	74-83-9	
1,3-Butadiene	<0.24	ug/m3	0.63	0.24	1.39		06/29/17 20:40	106-99-0	
2-Butanone (MEK)	6.4	ug/m3	4.2	0.32	1.39		06/29/17 20:40	78-93-3	
Carbon disulfide	<0.14	ug/m3	0.88	0.14	1.39		06/29/17 20:40	75-15-0	
Carbon tetrachloride	<0.27	ug/m3	0.89	0.27	1.39		06/29/17 20:40	56-23-5	
Chlorobenzene	<0.19	ug/m3	1.3	0.19	1.39		06/29/17 20:40	108-90-7	
Chloroethane	<0.27	ug/m3	0.75	0.27	1.39		06/29/17 20:40	75-00-3	
Chloroform	<0.26	ug/m3	0.69	0.26	1.39		06/29/17 20:40	67-66-3	
Chloromethane	0.74	ug/m3	0.58	0.15	1.39		06/29/17 20:40	74-87-3	
Cyclohexane	0.55J	ug/m3	0.97	0.44	1.39		06/29/17 20:40	110-82-7	
Dibromochloromethane	<1.2	ug/m3	2.4	1.2	1.39		06/29/17 20:40	124-48-1	
1,2-Dibromoethane (EDB)	<1.1	ug/m3	2.2	1.1	1.39		06/29/17 20:40	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/m3	4.2	0.71	1.39		06/29/17 20:40	95-50-1	
1,3-Dichlorobenzene	<0.74	ug/m3	4.2	0.74	1.39		06/29/17 20:40	541-73-1	
1,4-Dichlorobenzene	76.0	ug/m3	4.2	0.69	1.39		06/29/17 20:40	106-46-7	
Dichlorodifluoromethane	3.8	ug/m3	1.4	0.67	1.39		06/29/17 20:40	75-71-8	
1,1-Dichloroethane	<0.22	ug/m3	1.1	0.22	1.39		06/29/17 20:40	75-34-3	
1,2-Dichloroethane	<0.28	ug/m3	1.1	0.28	1.39		06/29/17 20:40	107-06-2	
1,1-Dichloroethene	<0.33	ug/m3	1.1	0.33	1.39		06/29/17 20:40	75-35-4	
cis-1,2-Dichloroethene	<0.34	ug/m3	1.1	0.34	1.39		06/29/17 20:40	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/m3	1.1	0.53	1.39		06/29/17 20:40	156-60-5	
1,2-Dichloropropane	<0.38	ug/m3	1.3	0.38	1.39		06/29/17 20:40	78-87-5	
cis-1,3-Dichloropropene	<0.51	ug/m3	1.3	0.51	1.39		06/29/17 20:40	10061-01-5	
trans-1,3-Dichloropropene	<0.36	ug/m3	1.3	0.36	1.39		06/29/17 20:40	10061-02-6	
Dichlorotetrafluoroethane	<0.43	ug/m3	2.0	0.43	1.39		06/29/17 20:40	76-14-2	
Ethanol	61.9	ug/m3	1.3	0.37	1.39		06/29/17 20:40	64-17-5	
Ethyl acetate	3.2	ug/m3	1.0	0.48	1.39		06/29/17 20:40	141-78-6	
Ethylbenzene	<0.59	ug/m3	1.2	0.59	1.39		06/29/17 20:40	100-41-4	
4-Ethyltoluene	<0.26	ug/m3	1.4	0.26	1.39		06/29/17 20:40	622-96-8	
n-Heptane	1.6	ug/m3	1.2	0.39	1.39		06/29/17 20:40	142-82-5	
Hexachloro-1,3-butadiene	<0.90	ug/m3	3.0	0.90	1.39		06/29/17 20:40	87-68-3	
n-Hexane	<0.50	ug/m3	1.0	0.50	1.39		06/29/17 20:40	110-54-3	
2-Hexanone	<0.57	ug/m3	7.2	0.57	1.39		06/29/17 20:40	591-78-6	
Methylene Chloride	<0.75	ug/m3	12.3	0.75	1.39		06/29/17 20:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.30	ug/m3	5.8	0.30	1.39		06/29/17 20:40	108-10-1	
Methyl-tert-butyl ether	<0.42	ug/m3	5.1	0.42	1.39		06/29/17 20:40	1634-04-4	
Naphthalene	<0.42	ug/m3	3.7	0.42	1.39		06/29/17 20:40	91-20-3	
2-Propanol	92.6	ug/m3	3.5	0.33	1.39		06/29/17 20:40	67-63-0	
Propylene	<0.19	ug/m3	0.49	0.19	1.39		06/29/17 20:40	115-07-1	
Styrene	<0.27	ug/m3	1.2	0.27	1.39		06/29/17 20:40	100-42-5	
1,1,2,2-Tetrachloroethane	<0.46	ug/m3	4.8	0.46	1.39		06/29/17 20:40	79-34-5	

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## ANALYTICAL RESULTS

Project: Dunrite  
Pace Project No.: 10393175

**Sample: AA 408**      **Lab ID: 10393175011**      Collected: 06/16/17 16:08      Received: 06/22/17 10:10      Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15							
<b>Tetrachloroethene</b>	<b>2.9</b>	<b>ug/m3</b>	1.5	0.39	1.39		06/29/17 20:40	127-18-4	
Tetrahydrofuran	<0.17	ug/m3	0.83	0.17	1.39		06/29/17 20:40	109-99-9	
Toluene	2.1	ug/m3	1.1	0.21	1.39		06/29/17 20:40	108-88-3	
1,2,4-Trichlorobenzene	<1.3	ug/m3	5.2	1.3	1.39		06/29/17 20:40	120-82-1	
1,1,1-Trichloroethane	<0.34	ug/m3	1.5	0.34	1.39		06/29/17 20:40	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/m3	1.5	0.34	1.39		06/29/17 20:40	79-00-5	
<b>Trichloroethene</b>	<b>&lt;0.38</b>	<b>ug/m3</b>	0.76	0.38	1.39		06/29/17 20:40	79-01-6	
Trichlorofluoromethane	<0.18	ug/m3	1.6	0.18	1.39		06/29/17 20:40	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.42	ug/m3	2.2	0.42	1.39		06/29/17 20:40	76-13-1	
1,2,4-Trimethylbenzene	0.89J	ug/m3	3.5	0.17	1.39		06/29/17 20:40	95-63-6	
1,3,5-Trimethylbenzene	<0.25	ug/m3	3.5	0.25	1.39		06/29/17 20:40	108-67-8	
Vinyl acetate	2.7	ug/m3	1.0	0.46	1.39		06/29/17 20:40	108-05-4	
Vinyl chloride	<0.27	ug/m3	0.72	0.27	1.39		06/29/17 20:40	75-01-4	
m&p-Xylene	<1.1	ug/m3	2.5	1.1	1.39		06/29/17 20:40	179601-23-1	
o-Xylene	<0.49	ug/m3	1.2	0.49	1.39		06/29/17 20:40	95-47-6	

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## QUALIFIERS

Project: Dunrite  
Pace Project No.: 10393175

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### 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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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 at or above the adjusted LOD.

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.

### LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

### ANALYTE QUALIFIERS

A3 The sample was analyzed by serial dilution.

MN The reporting limit has been raised in accordance with Minnesota Statutes 4740.2100 Subpart 8. C, D. Reporting Limit Evaluation Rule.

R1 RPD value was outside control limits.

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