



February 9, 2018

Mr. Robert Good
1000 Union A
Stevens Point, WI 54481

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

Subject: Vapor Samples Results

Dear Mr. Good:

The purpose of this letter is to present the results of vapor samples collected from the residence located at 1000 Union Street on November 16, 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

One sample was collected of the ambient air (i.e., typical room air) present in the basement of the residence. Another sample was collected from the soil vapors beneath the basement floor. Both samples were submitted to a laboratory and analyzed for a suite of VOCs.

Sample Results

Current and historic sampling results are summarized on the enclosed **table**. The **laboratory report** for the most recent samples is also enclosed. None of the analyzed substances exceeded the Wisconsin Department of Natural Resources (WDNR) Action Levels or Screening Levels.

The most recent results show PCE and TCE in the basement air at concentrations of approximately 0.43 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) and approximately 0.81 $\mu\text{g}/\text{m}^3$, respectively. The WDNR Residential Indoor Air Vapor Action Levels for PCE and TCE are 42 $\mu\text{g}/\text{m}^3$ and 2.1 $\mu\text{g}/\text{m}^3$.

PCE and TCE were also detected beneath the basement floor at concentrations of 15.6 $\mu\text{g}/\text{m}^3$ and approximately 0.57 $\mu\text{g}/\text{m}^3$, respectively. The WDNR Screening Levels for PCE and TCE beneath the floor are 1,399 $\mu\text{g}/\text{m}^3$ and 70 $\mu\text{g}/\text{m}^3$.

In addition to PCE and TCE, the analysis results show detections of other VOCs. These substances are not associated with the Dun-Rite site and are likely due to trace amounts of chemical vapors from products (paints, adhesives, fragrances, etc.) commonly found in homes, or in the outdoor ambient air.

The WDNR screening levels for PCE/TCE are set to evaluate the threat of vapor intrusion and provide threshold concentrations for the substances that are protective of human health over long-term exposure.

Residents who may 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 expect to perform another round of vapor sampling in spring 2018. At that time we will again contact you requesting permission to collect samples of the sub-slab vapors and ambient basement air.

If you have any questions or would like to discuss the results, please contact me via phone at 715.824.5969 or by email at pete.arntsen@sand-creek.com.

Sincerely,

SAND CREEK CONSULTANTS, INC.



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

Enclosures: Table 1: Residence Vapor Chemistry Results
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: Residence Vapor Chemistry Data

Ambient Air Samples (µg/m³)

Sample ID	Date	Acetone	Benzene	2-Butanone	Carbon Tetrachloride	Chloroform	Chloromethane	Cyclohexane	1,4-Dichlorobenzene	Dichlorodifluoromethane	cis-1,2-Dichloroethene	Ethanol	Ethyl acetate	4-Ethyltoluene	N-Heptane	N-Hexane	2-Hexanone	Methylene Chloride	Naphthalene	2-Propanol	Tetrachloroethene (PCE)	Tetrahydrofuran	Toluene	Trichloroethene (TCE)
Indoor Air Vapor Action Levels¹																								
Non-Residential		--	16	--	20	5.3	390	--	--	440	--	--	--	--	--	--	--	2,600	3.6	--	180	--	22,000	8.8
Residential		--	3.6	--	4.7	1.2	94	--	--	100	--	--	--	--	--	--	--	630	0.83	--	42	--	5,200	2.1
AA304	7/18/2014	22.8	0.63	6.0	<0.99	<1.4	0.84	<1.1	<1.9	2.8	<1.3	59.4	<1.1	<1.6	2.8	1.2	2.3	<5.5	<4.1	<1.9	2.5	<0.93	3.1	<0.85
	3/2/2015	9.7	0.8	1.8	<0.44	<0.25	0.90	0.78	<0.28	2.4	<0.34	13.3	0.82	<0.24	0.61	1.4	<0.30	0.73	<0.36	0.48	35	<0.19	1.9	<0.25
	9/4/2015	80.1	16.7	<0.33	<0.28	1.3	1.9	44.8	<0.72	2.7	<0.35	61.3	<0.50	8.8	13	21.7	<0.59	18.9	11.3	18.6	22	<0.17	105	3.0
	11/9/2015	10.2	1.5	1.0 J	<0.29	<0.28	0.72	4.2	<0.74	<0.72	<0.37	22.3	0.93 J	0.85 J	1.6	2.0	<0.61	0.95 J	<0.45	9.0	2.4	<0.18	8.8	<0.41
	4/6/2016	14.2	1.2	2.0 J	<0.27	<0.26	0.74	2.4	<0.69	2.1	<0.34	50.4	1.1	0.72 J	0.93 J	1.9	<0.57	2.0 J	<0.42	5.2	<0.39	<0.17	5.5	0.52 J
	10/5/2016	26.7	6.2	5.0	1.1	0.51 J	0.73	7.1	<0.74	2.6	<0.37	66.8	2.3	4.6	5.4	15.2	<0.61	6.3	12.4	3.0 J	0.64 J	<0.18	35.3	<0.41
	6/20/2017	5.8 J	1.0	<0.33	<0.28	<0.27	0.64 J	<0.46	<0.72	1.4 J	<0.35	5.1	<0.50	<0.27	0.70 J	1.0 J	<0.59	<0.78	<0.44	<0.35	<0.40	<0.17	4.9	0.44 J
	11/16/2017	48.8	0.43 J	3.1 J	<0.47	<0.34	0.79	<0.34	1.1 J	2.9	<0.51	105	<0.29	<0.32	<0.31	<0.50	<0.91	3.6 J	<0.89	9.6	<0.43	<0.41	2.2	0.81 J

Sub-Slab Vapor Samples (µg/m³)

Sample ID	Date	Acetone	Benzene	2-Butanone	Carbon Tetrachloride	Chloroform	Chloromethane	Cyclohexane	1,4-Dichlorobenzene	Dichlorodifluoromethane	cis-1,2-Dichloroethene	Ethanol	Ethyl acetate	4-Ethyltoluene	N-Heptane	N-Hexane	2-Hexanone	Methylene Chloride	Naphthalene	2-Propanol	Tetrachloroethene (PCE)	Tetrahydrofuran	Toluene	Trichloroethene (TCE)
Sub-Slab Vapor Screening Levels²																								
Non-Residential		--	533	--	666	176	12,987	--	--	14,652	--	--	--	--	--	--	--	86,580	120	--	5,994	--	732,600	293
Residential		--	120	--	157	40	3,130	--	--	3,330	--	--	--	--	--	--	--	20,979	28	--	1,399	--	173,160	70
SSV304	7/18/2014	10.7	<0.73	3.4	<1.4	<1.1	<0.94	<1.6	<2.7	<3.9	<1.8	22.6	<1.6	<2.2	<1.9	<1.6	2.5	<7.9	<6.0	<2.8	13	5.5	3.3	<1.2
	3/2/2015	<2.1	<0.21	0.99	<0.56	<0.31	<0.34	<0.22	<0.35	47.8	<0.34	25.9	<0.22	<0.30	<0.28	<0.18	<0.37	1.1	<0.45	<0.16	11	1.0	<0.24	<0.31
	9/4/2015	278	<0.21	27.2	<0.34	31.3	<0.19	<0.55	25.1	5.1	<0.43	44	17.4	27.3	<0.49	<0.62	11	30	40.7	12	137	7.1	55.1	21
	11/9/2015	15.6	<0.17	7.5	<0.27	1.3	<0.15	<0.44	2.1	13.6	<0.33	81.4	<0.48	3.3	<0.39	1.1	1.0 J	0.78 J	1.6 J	1.5 J	319	4	3.7	14
	2/16/2016	24.5	0.30 J	13.4	0.21 J	81.9	<0.035	<0.087	2.3	12	<0.069	20.5	<0.61	<0.84	<0.70	<0.092	<3.5	<3.0	5.3 J	2.9 J	105	<0.050	3.4	5.7
	10/5/2016	127	1.5	<0.42	1.1 J	0.59 J	0.83	1.2 J	7.2	9.0	<0.45	149	2.2	1.7 J	<0.51	72.6	<0.75	298	6.6	11	52	<0.22	9.9	2.2
	6/20/2017	20.0	1.5	13.4	<0.34	<0.33	<0.19	<0.55	4.1 J	8.5	<0.43	51.3	<0.61	<0.33	1.0 J	<0.62	<0.72	<0.95	<0.53	<0.42	133	3.0	1.3 J	0.92 J
	11/16/2017	18.7	0.87	7.6	<0.51	<0.37	<0.22	<0.37	<0.35	14.6	<0.55	158	1.2	<0.34	<0.34	1.6	1.0 J	<2.4	3.9 J	2.9 J	15.6	5.8	3.7	0.57 J

Notes:

µg/m³: micrograms per cubic meter.

Yellow highlighting indicates most recent results.

Purple highlighting indicates substance of concern at Dun-Rite site

<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.

¹ Vapor Action Levels obtained from the **Indoor Air Vapor Action Levels for Various VOCs Quick Look-up Table Based on June 2017 Regional Screening Level Summary Table**. [<http://dnr.wi.gov/topic/Brownfields/documents/vapor/vapor-quick.pdf>].

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

ANALYTICAL RESULTS

Project: Dun-Rite-Revised Report

Pace Project No.: 10411900

Sample: AA304 Lab ID: 10411900005 Collected: 11/16/17 16:10 Received: 11/21/17 12:30 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
Acetone	48.8	ug/m3	3.6	2.2	1.49		12/05/17 02:12	67-64-1	
Benzene	0.43J	ug/m3	0.48	0.22	1.49		12/05/17 02:12	71-43-2	
Benzyl chloride	<0.35	ug/m3	1.6	0.35	1.49		12/05/17 02:12	100-44-7	
Bromodichloromethane	<0.53	ug/m3	2.0	0.53	1.49		12/05/17 02:12	75-27-4	
Bromoform	<1.0	ug/m3	7.8	1.0	1.49		12/05/17 02:12	75-25-2	
Bromomethane	<0.31	ug/m3	1.2	0.31	1.49		12/05/17 02:12	74-83-9	
1,3-Butadiene	<0.31	ug/m3	0.67	0.31	1.49		12/05/17 02:12	106-99-0	
2-Butanone (MEK)	3.1J	ug/m3	4.5	0.30	1.49		12/05/17 02:12	78-93-3	
Carbon disulfide	<0.27	ug/m3	0.94	0.27	1.49		12/05/17 02:12	75-15-0	
Carbon tetrachloride	<0.47	ug/m3	0.95	0.47	1.49		12/05/17 02:12	56-23-5	
Chlorobenzene	<0.27	ug/m3	1.4	0.27	1.49		12/05/17 02:12	108-90-7	
Chloroethane	<0.30	ug/m3	0.80	0.30	1.49		12/05/17 02:12	75-00-3	
Chloroform	<0.34	ug/m3	0.74	0.34	1.49		12/05/17 02:12	67-66-3	
Chloromethane	0.79	ug/m3	0.63	0.20	1.49		12/05/17 02:12	74-87-3	
Cyclohexane	<0.34	ug/m3	1.0	0.34	1.49		12/05/17 02:12	110-82-7	
Dibromochloromethane	<0.66	ug/m3	2.6	0.66	1.49		12/05/17 02:12	124-48-1	
1,2-Dibromoethane (EDB)	<0.50	ug/m3	2.3	0.50	1.49		12/05/17 02:12	106-93-4	
1,2-Dichlorobenzene	<0.49	ug/m3	1.8	0.49	1.49		12/05/17 02:12	95-50-1	
1,3-Dichlorobenzene	<0.69	ug/m3	1.8	0.69	1.49		12/05/17 02:12	541-73-1	
1,4-Dichlorobenzene	1.1J	ug/m3	1.8	0.33	1.49		12/05/17 02:12	106-46-7	
Dichlorodifluoromethane	2.9	ug/m3	1.5	0.62	1.49		12/05/17 02:12	75-71-8	
1,1-Dichloroethane	<0.32	ug/m3	1.2	0.32	1.49		12/05/17 02:12	75-34-3	
1,2-Dichloroethane	<0.30	ug/m3	0.61	0.30	1.49		12/05/17 02:12	107-06-2	
1,1-Dichloroethene	<0.35	ug/m3	1.2	0.35	1.49		12/05/17 02:12	75-35-4	
cis-1,2-Dichloroethene	<0.51	ug/m3	1.2	0.51	1.49		12/05/17 02:12	156-59-2	
trans-1,2-Dichloroethene	<0.44	ug/m3	1.2	0.44	1.49		12/05/17 02:12	156-60-5	
1,2-Dichloropropane	<0.46	ug/m3	1.4	0.46	1.49		12/05/17 02:12	78-87-5	
cis-1,3-Dichloropropene	<0.37	ug/m3	1.4	0.37	1.49		12/05/17 02:12	10061-01-5	
trans-1,3-Dichloropropene	<0.63	ug/m3	1.4	0.63	1.49		12/05/17 02:12	10061-02-6	
Dichlorotetrafluoroethane	<0.66	ug/m3	2.1	0.66	1.49		12/05/17 02:12	76-14-2	
Ethanol	105	ug/m3	1.4	0.69	1.49		12/05/17 02:12	64-17-5	
Ethyl acetate	<0.29	ug/m3	1.1	0.29	1.49		12/05/17 02:12	141-78-6	
Ethylbenzene	<0.25	ug/m3	1.3	0.25	1.49		12/05/17 02:12	100-41-4	
4-Ethyltoluene	<0.32	ug/m3	1.5	0.32	1.49		12/05/17 02:12	622-96-8	
n-Heptane	<0.31	ug/m3	1.2	0.31	1.49		12/05/17 02:12	142-82-5	
Hexachloro-1,3-butadiene	<1.3	ug/m3	3.2	1.3	1.49		12/05/17 02:12	87-68-3	
n-Hexane	<0.50	ug/m3	1.1	0.50	1.49		12/05/17 02:12	110-54-3	
2-Hexanone	<0.91	ug/m3	6.2	0.91	1.49		12/05/17 02:12	591-78-6	
Methylene Chloride	3.6J	ug/m3	5.3	2.3	1.49		12/05/17 02:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.53	ug/m3	6.2	0.53	1.49		12/05/17 02:12	108-10-1	
Methyl-tert-butyl ether	<0.99	ug/m3	5.5	0.99	1.49		12/05/17 02:12	1634-04-4	
Naphthalene	<0.89	ug/m3	4.0	0.89	1.49		12/05/17 02:12	91-20-3	
2-Propanol	9.6	ug/m3	3.7	1.9	1.49		12/05/17 02:12	67-63-0	
Propylene	<0.23	ug/m3	0.52	0.23	1.49		12/05/17 02:12	115-07-1	
Styrene	<0.25	ug/m3	1.3	0.25	1.49		12/05/17 02:12	100-42-5	
1,1,2,2-Tetrachloroethane	<0.43	ug/m3	1.0	0.43	1.49		12/05/17 02:12	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dun-Rite-Revised Report

Pace Project No.: 10411900

Sample: **AA304** Lab ID: **10411900005** Collected: 11/16/17 16:10 Received: 11/21/17 12:30 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Tetrachloroethene	<0.43	ug/m3	1.0	0.43	1.49		12/05/17 02:12	127-18-4	
Tetrahydrofuran	<0.41	ug/m3	0.89	0.41	1.49		12/05/17 02:12	109-99-9	
Toluene	2.2	ug/m3	1.1	0.24	1.49		12/05/17 02:12	108-88-3	
1,2,4-Trichlorobenzene	<1.4	ug/m3	5.6	1.4	1.49		12/05/17 02:12	120-82-1	
1,1,1-Trichloroethane	<0.51	ug/m3	1.7	0.51	1.49		12/05/17 02:12	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/m3	0.82	0.34	1.49		12/05/17 02:12	79-00-5	
Trichloroethene	0.81J	ug/m3	0.82	0.40	1.49		12/05/17 02:12	79-01-6	
Trichlorofluoromethane	1.9	ug/m3	1.7	0.62	1.49		12/05/17 02:12	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.78J	ug/m3	2.4	0.55	1.49		12/05/17 02:12	76-13-1	
1,2,4-Trimethylbenzene	1.9	ug/m3	1.5	0.26	1.49		12/05/17 02:12	95-63-6	
1,3,5-Trimethylbenzene	<0.61	ug/m3	1.5	0.61	1.49		12/05/17 02:12	108-67-8	
Vinyl acetate	<0.25	ug/m3	1.1	0.25	1.49		12/05/17 02:12	108-05-4	
Vinyl chloride	<0.19	ug/m3	0.39	0.19	1.49		12/05/17 02:12	75-01-4	
m&p-Xylene	2.8	ug/m3	2.6	0.52	1.49		12/05/17 02:12	179601-23-1	
o-Xylene	1.1J	ug/m3	1.3	0.55	1.49		12/05/17 02:12	95-47-6	

Sample: **SSV406** Lab ID: **10411900006** Collected: 11/16/17 12:48 Received: 11/21/17 12:30 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Acetone	20.8	ug/m3	3.5	2.2	1.44		12/05/17 02:48	67-64-1	
Benzene	1.7	ug/m3	0.47	0.22	1.44		12/05/17 02:48	71-43-2	
Benzyl chloride	<0.34	ug/m3	1.5	0.34	1.44		12/05/17 02:48	100-44-7	
Bromodichloromethane	<0.51	ug/m3	2.0	0.51	1.44		12/05/17 02:48	75-27-4	
Bromoform	<1.0	ug/m3	7.6	1.0	1.44		12/05/17 02:48	75-25-2	
Bromomethane	<0.30	ug/m3	1.1	0.30	1.44		12/05/17 02:48	74-83-9	
1,3-Butadiene	<0.30	ug/m3	0.65	0.30	1.44		12/05/17 02:48	106-99-0	
2-Butanone (MEK)	6.0	ug/m3	4.3	0.29	1.44		12/05/17 02:48	78-93-3	
Carbon disulfide	9.8	ug/m3	0.91	0.26	1.44		12/05/17 02:48	75-15-0	
Carbon tetrachloride	<0.46	ug/m3	0.92	0.46	1.44		12/05/17 02:48	56-23-5	
Chlorobenzene	<0.26	ug/m3	1.4	0.26	1.44		12/05/17 02:48	108-90-7	
Chloroethane	<0.29	ug/m3	0.78	0.29	1.44		12/05/17 02:48	75-00-3	
Chloroform	<0.33	ug/m3	0.71	0.33	1.44		12/05/17 02:48	67-66-3	
Chloromethane	<0.19	ug/m3	0.60	0.19	1.44		12/05/17 02:48	74-87-3	
Cyclohexane	<0.33	ug/m3	1.0	0.33	1.44		12/05/17 02:48	110-82-7	
Dibromochloromethane	<0.64	ug/m3	2.5	0.64	1.44		12/05/17 02:48	124-48-1	
1,2-Dibromoethane (EDB)	<0.48	ug/m3	2.2	0.48	1.44		12/05/17 02:48	106-93-4	
1,2-Dichlorobenzene	1.2J	ug/m3	1.8	0.47	1.44		12/05/17 02:48	95-50-1	
1,3-Dichlorobenzene	<0.67	ug/m3	1.8	0.67	1.44		12/05/17 02:48	541-73-1	
1,4-Dichlorobenzene	1.3J	ug/m3	1.8	0.32	1.44		12/05/17 02:48	106-46-7	
Dichlorodifluoromethane	17.6	ug/m3	1.5	0.60	1.44		12/05/17 02:48	75-71-8	
1,1-Dichloroethane	<0.31	ug/m3	1.2	0.31	1.44		12/05/17 02:48	75-34-3	
1,2-Dichloroethane	<0.29	ug/m3	0.59	0.29	1.44		12/05/17 02:48	107-06-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dun-Rite-Revised Report

Pace Project No.: 10411900

Sample: SSV101	Lab ID: 10411900009	Collected: 11/16/17 16:21	Received: 11/21/17 12:30	Matrix: Air					
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Tetrachloroethene	452	ug/m3	36.9	15.4	53.5		12/06/17 13:06	127-18-4	
Tetrahydrofuran	6.2	ug/m3	0.89	0.41	1.49		12/05/17 04:39	109-99-9	
Toluene	4.4	ug/m3	1.1	0.24	1.49		12/05/17 04:39	108-88-3	
1,2,4-Trichlorobenzene	<1.4	ug/m3	5.6	1.4	1.49		12/05/17 04:39	120-82-1	
1,1,1-Trichloroethane	<0.51	ug/m3	1.7	0.51	1.49		12/05/17 04:39	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/m3	0.82	0.34	1.49		12/05/17 04:39	79-00-5	
Trichloroethene	3.2	ug/m3	0.82	0.40	1.49		12/05/17 04:39	79-01-6	
Trichlorofluoromethane	1.6J	ug/m3	1.7	0.62	1.49		12/05/17 04:39	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.58J	ug/m3	2.4	0.55	1.49		12/05/17 04:39	76-13-1	
1,2,4-Trimethylbenzene	2.6	ug/m3	1.5	0.26	1.49		12/05/17 04:39	95-63-6	
1,3,5-Trimethylbenzene	1.1J	ug/m3	1.5	0.61	1.49		12/05/17 04:39	108-67-8	
Vinyl acetate	1.3	ug/m3	1.1	0.25	1.49		12/05/17 04:39	108-05-4	
Vinyl chloride	<0.19	ug/m3	0.39	0.19	1.49		12/05/17 04:39	75-01-4	
m&p-Xylene	5.2	ug/m3	2.6	0.52	1.49		12/05/17 04:39	179601-23-1	
o-Xylene	2.0	ug/m3	1.3	0.55	1.49		12/05/17 04:39	95-47-6	

Sample: SSV304	Lab ID: 10411900010	Collected: 11/16/17 09:52	Received: 11/21/17 12:30	Matrix: Air					
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Acetone	18.7	ug/m3	3.9	2.4	1.61		12/05/17 05:15	67-64-1	
Benzene	0.87	ug/m3	0.52	0.24	1.61		12/05/17 05:15	71-43-2	
Benzyl chloride	<0.38	ug/m3	1.7	0.38	1.61		12/05/17 05:15	100-44-7	
Bromodichloromethane	<0.57	ug/m3	2.2	0.57	1.61		12/05/17 05:15	75-27-4	
Bromoform	<1.1	ug/m3	8.5	1.1	1.61		12/05/17 05:15	75-25-2	
Bromomethane	<0.33	ug/m3	1.3	0.33	1.61		12/05/17 05:15	74-83-9	
1,3-Butadiene	<0.33	ug/m3	0.72	0.33	1.61		12/05/17 05:15	106-99-0	
2-Butanone (MEK)	7.6	ug/m3	4.8	0.33	1.61		12/05/17 05:15	78-93-3	
Carbon disulfide	<0.29	ug/m3	1.0	0.29	1.61		12/05/17 05:15	75-15-0	
Carbon tetrachloride	<0.51	ug/m3	1.0	0.51	1.61		12/05/17 05:15	56-23-5	
Chlorobenzene	<0.29	ug/m3	1.5	0.29	1.61		12/05/17 05:15	108-90-7	
Chloroethane	<0.33	ug/m3	0.87	0.33	1.61		12/05/17 05:15	75-00-3	
Chloroform	<0.37	ug/m3	0.80	0.37	1.61		12/05/17 05:15	67-66-3	
Chloromethane	<0.22	ug/m3	0.68	0.22	1.61		12/05/17 05:15	74-87-3	
Cyclohexane	<0.37	ug/m3	1.1	0.37	1.61		12/05/17 05:15	110-82-7	
Dibromochloromethane	<0.71	ug/m3	2.8	0.71	1.61		12/05/17 05:15	124-48-1	
1,2-Dibromoethane (EDB)	<0.54	ug/m3	2.5	0.54	1.61		12/05/17 05:15	106-93-4	
1,2-Dichlorobenzene	1.1J	ug/m3	2.0	0.52	1.61		12/05/17 05:15	95-50-1	
1,3-Dichlorobenzene	<0.75	ug/m3	2.0	0.75	1.61		12/05/17 05:15	541-73-1	
1,4-Dichlorobenzene	<0.35	ug/m3	2.0	0.35	1.61		12/05/17 05:15	106-46-7	
Dichlorodifluoromethane	14.6	ug/m3	1.6	0.67	1.61		12/05/17 05:15	75-71-8	
1,1-Dichloroethane	<0.34	ug/m3	1.3	0.34	1.61		12/05/17 05:15	75-34-3	
1,2-Dichloroethane	<0.32	ug/m3	0.66	0.32	1.61		12/05/17 05:15	107-06-2	

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ANALYTICAL RESULTS

Project: Dun-Rite-Revised Report

Pace Project No.: 10411900

Sample: **SSV304** Lab ID: **10411900010** Collected: 11/16/17 09:52 Received: 11/21/17 12:30 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Dichloroethene	<0.38	ug/m3	1.3	0.38	1.61		12/05/17 05:15	75-35-4	
cis-1,2-Dichloroethene	<0.55	ug/m3	1.3	0.55	1.61		12/05/17 05:15	156-59-2	
trans-1,2-Dichloroethene	<0.47	ug/m3	1.3	0.47	1.61		12/05/17 05:15	156-60-5	
1,2-Dichloropropane	<0.49	ug/m3	1.5	0.49	1.61		12/05/17 05:15	78-87-5	
cis-1,3-Dichloropropene	<0.39	ug/m3	1.5	0.39	1.61		12/05/17 05:15	10061-01-5	
trans-1,3-Dichloropropene	<0.68	ug/m3	1.5	0.68	1.61		12/05/17 05:15	10061-02-6	
Dichlorotetrafluoroethane	<0.71	ug/m3	2.3	0.71	1.61		12/05/17 05:15	76-14-2	
Ethanol	158	ug/m3	1.5	0.75	1.61		12/05/17 05:15	64-17-5	
Ethyl acetate	1.2	ug/m3	1.2	0.32	1.61		12/05/17 05:15	141-78-6	
Ethylbenzene	1.6	ug/m3	1.4	0.28	1.61		12/05/17 05:15	100-41-4	
4-Ethyltoluene	<0.34	ug/m3	1.6	0.34	1.61		12/05/17 05:15	622-96-8	
n-Heptane	<0.34	ug/m3	1.3	0.34	1.61		12/05/17 05:15	142-82-5	
Hexachloro-1,3-butadiene	<1.4	ug/m3	3.5	1.4	1.61		12/05/17 05:15	87-68-3	
n-Hexane	1.6	ug/m3	1.2	0.54	1.61		12/05/17 05:15	110-54-3	
2-Hexanone	1.0J	ug/m3	6.7	0.99	1.61		12/05/17 05:15	591-78-6	
Methylene Chloride	<2.4	ug/m3	5.7	2.4	1.61		12/05/17 05:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.57	ug/m3	6.7	0.57	1.61		12/05/17 05:15	108-10-1	
Methyl-tert-butyl ether	<1.1	ug/m3	5.9	1.1	1.61		12/05/17 05:15	1634-04-4	
Naphthalene	3.9J	ug/m3	4.3	0.96	1.61		12/05/17 05:15	91-20-3	
2-Propanol	2.9J	ug/m3	4.0	2.0	1.61		12/05/17 05:15	67-63-0	
Propylene	<0.25	ug/m3	0.56	0.25	1.61		12/05/17 05:15	115-07-1	
Styrene	8.5	ug/m3	1.4	0.27	1.61		12/05/17 05:15	100-42-5	
1,1,2,2-Tetrachloroethane	<0.47	ug/m3	1.1	0.47	1.61		12/05/17 05:15	79-34-5	
Tetrachloroethene	15.6	ug/m3	1.1	0.46	1.61		12/05/17 05:15	127-18-4	
Tetrahydrofuran	5.8	ug/m3	0.97	0.44	1.61		12/05/17 05:15	109-99-9	
Toluene	3.7	ug/m3	1.2	0.26	1.61		12/05/17 05:15	108-88-3	
1,2,4-Trichlorobenzene	<1.5	ug/m3	6.1	1.5	1.61		12/05/17 05:15	120-82-1	
1,1,1-Trichloroethane	<0.55	ug/m3	1.8	0.55	1.61		12/05/17 05:15	71-55-6	
1,1,2-Trichloroethane	<0.36	ug/m3	0.89	0.36	1.61		12/05/17 05:15	79-00-5	
Trichloroethene	0.57J	ug/m3	0.89	0.43	1.61		12/05/17 05:15	79-01-6	
Trichlorofluoromethane	<0.67	ug/m3	1.8	0.67	1.61		12/05/17 05:15	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.59	ug/m3	2.6	0.59	1.61		12/05/17 05:15	76-13-1	
1,2,4-Trimethylbenzene	2.0	ug/m3	1.6	0.28	1.61		12/05/17 05:15	95-63-6	
1,3,5-Trimethylbenzene	<0.66	ug/m3	1.6	0.66	1.61		12/05/17 05:15	108-67-8	
Vinyl acetate	1.7	ug/m3	1.2	0.27	1.61		12/05/17 05:15	108-05-4	
Vinyl chloride	<0.20	ug/m3	0.42	0.20	1.61		12/05/17 05:15	75-01-4	
m&p-Xylene	4.7	ug/m3	2.8	0.56	1.61		12/05/17 05:15	179601-23-1	
o-Xylene	1.8	ug/m3	1.4	0.60	1.61		12/05/17 05:15	95-47-6	

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