SAND CREEK CONSULTANTS, Inc.

Environmental and Geological
Scientists and Engineers

151 Mill St. • P.O. Box 218 • Amherst, WI 54406 • Tel. 715.824.5169

May 2, 2016

Ms. Layne Cozzolino
2857 Water Street
Stevens Point, WI 54481

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

Subject: Vapor Samples Results

Dear Ms. Cozzolino:

The purpose of this letter is to present the results of a vapor sample collected from the residence located at 1000 Union Street on April 6, 2016. The sample was 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 present in the basement of the residence. The sample was 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 sample is also enclosed.

The most recent results show PCE and TCE in the basement air at concentrations of less than 0.39 micrograms per cubic meter ($\mu g/m^3$) and approximately 0.52 $\mu g/m^3$, respectively (the substances were below detection or reporting limits). The Wisconsin Department of Natural Resources (WDNR) Residential Indoor Air Vapor Action Levels for PCE and TCE are 42 $\mu g/m^3$ and 2.1 $\mu g/m^3$.

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. It is the experience of WDNR and the Wisconsin Department of Health Services (DHS) in investigating similar cases at other locations in the state that the potential health risk for the residents is low.

Even though the potential health risks are low, residents who may have questions may contact Ryan Wozniak (608.267.3227) with the DHS, who can address any health questions and concerns.

Going Forward

We expect to perform another round of vapor sampling this fall. 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 comments, please contact me via phone at 715.824.5169 or by email at pete.arntsen@sand-creek.com.

Sincerely,

SAND CREEK CONSULTANTS, INC.

Pete Arntsen, MS, PH
Project Manager/Senior Hydrologist

Enclosures: Table 1: Residence Vapor Chemistry Results
Laboratory Report

cc/enc: Mr. Ron Hanson/Dun-Rite Cleaners, via email only
Ms. Haillie Passow/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 Tetra-chloride	Chloro-form	Chloro-methane	Cyclo-hexane	1,4-Dichlorob enzene	Dichloro-difluoro-methane	cis-1,2-Dichloro-ethene	Ethanol	Ethyl acetate	4-Ethyl-toluene	N-Heptane	N-Hexane	2-Hexanone	Methylen e Chloride	Naph-thalene	2-Propanol	Tetrachloro-ethene (PCE)	Tetra-hydro furan	Toluene	Trichloro-ethene (TCE)
Indoor Air Vapor Action Levels[1]																								
Non-Residential		--	**16**	--	20	**5.3**	**390**	--	--	**440**	--	--	--	--	--	--	--	**2,600**	**3.6**	--	**180**	--	**22000**	**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

Sub-Slab Vapor Samples (µg/m³)

Sample ID	Date	Acetone	Benzene	2-Butanone	Carbon Tetrachlor ide	Chlorofor m	Chloro-methane	Cyclo-hexane	1,4-Dichlorob enzene	Dichloro-difluoro-methane	cis-1,2-Dichloro-ethene	Ethanol	Ethyl acetate	4-Ethyltolue ne	N-Heptane	N-Hexane	2-Hexanone	Methylen e Chloride	Naph-thalene	2-Propanol	Tetrachloro-ethene (PCE)	Tetrahydr ofuran	Toluene	Trichloro-ethene (TCE)
Sub-Slab Vapor Screening Levels[2]																								
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*	11.5	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

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 2015 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).

An ambient air sample could not be collected on February 16, 2016 due to equipment malfunction

Pace Analytical®
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1700 Elm Street - Suite 200
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(612)607-1700

April 20, 2016

Pete Arntsen
Sand Creek Consultants
PO Box 218
Amherst, WI 54406

RE: Project: Dun-Rite
Pace Project No.: 10344310

Dear Pete Arntsen:
Enclosed are the analytical results for sample(s) received by the laboratory on April 11, 2016. 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,

Carolynne Trout

Carolynne Trout
carolynne.trout@pacelabs.com
Project Manager

Enclosures

Pace Analytical Services, Inc.
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CERTIFICATIONS

Project: Dun-Rite
Pace Project No.: 10344310

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
525 N 8th Street, Salina, KS 67401
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
Virginia/VELAP Certification #: Pace
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: Dun-Rite
Pace Project No.: 10344310

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10344310001	**AA304 Residence**	Air	04/06/16 16:45	04/11/16 09:55
10344310002	**AA304 Residence Can Cert**	Air	04/06/16 16:45	04/11/16 09:55

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SAMPLE ANALYTE COUNT

Project: Dun-Rite
Pace Project No.: 10344310

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10344310001	**AA304 Residence**	TO-15	NCK	61	PASI-M
10344310002	**AA304 Residence Can Cert**	TO-15	NCK	61	PASI-M

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

Project: Dun-Rite
Pace Project No.: 10344310

Sample: AA304 Residence **Lab ID: 10344310001** Collected: 04/06/16 16:45 Received: 04/11/16 09:55 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Dichlorodifluoromethane	**2.1**	ug/m3	1.4	0.67	1.39		04/19/16 20:49	75-71-8	
Chloromethane	**0.74**	ug/m3	0.58	0.15	1.39		04/19/16 20:49	74-87-3	
Dichlorotetrafluoroethane	**<0.43**	ug/m3	2.0	0.43	1.39		04/19/16 20:49	76-14-2	
Vinyl chloride	**<0.27**	ug/m3	0.36	0.27	1.39		04/19/16 20:49	75-01-4	
Bromomethane	**<0.43**	ug/m3	1.1	0.43	1.39		04/19/16 20:49	74-83-9	
Chloroethane	**<0.27**	ug/m3	0.75	0.27	1.39		04/19/16 20:49	75-00-3	
Trichlorofluoromethane	**1.1J**	ug/m3	1.6	0.18	1.39		04/19/16 20:49	75-69-4	
1,1-Dichloroethene	**<0.33**	ug/m3	1.1	0.33	1.39		04/19/16 20:49	75-35-4	
1,1,2-Trichlorotrifluoroethane	**<0.42**	ug/m3	2.2	0.42	1.39		04/19/16 20:49	76-13-1	
Methylene Chloride	**2.0J**	ug/m3	4.9	0.75	1.39		04/19/16 20:49	75-09-2	
1,1-Dichloroethane	**<0.22**	ug/m3	1.1	0.22	1.39		04/19/16 20:49	75-34-3	
cis-1,2-Dichloroethene	**<0.34**	ug/m3	1.1	0.34	1.39		04/19/16 20:49	156-59-2	
Chloroform	**<0.26**	ug/m3	1.4	0.26	1.39		04/19/16 20:49	67-66-3	
1,1,1-Trichloroethane	**<0.34**	ug/m3	1.5	0.34	1.39		04/19/16 20:49	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/m3	0.76	0.34	1.39		04/19/16 20:49	79-00-5	
1,2-Dichloroethane	**<0.28**	ug/m3	0.57	0.28	1.39		04/19/16 20:49	107-06-2	
Benzene	**1.2**	ug/m3	0.90	0.17	1.39		04/19/16 20:49	71-43-2	
Carbon tetrachloride	**<0.27**	ug/m3	0.89	0.27	1.39		04/19/16 20:49	56-23-5	
1,2-Dichloropropane	**<0.38**	ug/m3	1.3	0.38	1.39		04/19/16 20:49	78-87-5	
Trichloroethene	**0.52J**	ug/m3	0.76	0.38	1.39		04/19/16 20:49	79-01-6	
cis-1,3-Dichloropropene	**<0.51**	ug/m3	1.3	0.51	1.39		04/19/16 20:49	10061-01-5	
trans-1,3-Dichloropropene	**<0.36**	ug/m3	1.3	0.36	1.39		04/19/16 20:49	10061-02-6	
Toluene	**5.5**	ug/m3	1.1	0.21	1.39		04/19/16 20:49	108-88-3	
1,2-Dibromoethane (EDB)	**<1.1**	ug/m3	2.2	1.1	1.39		04/19/16 20:49	106-93-4	
Tetrachloroethene	**<0.39**	ug/m3	0.96	0.39	1.39		04/19/16 20:49	127-18-4	
Chlorobenzene	**<0.19**	ug/m3	1.3	0.19	1.39		04/19/16 20:49	108-90-7	
Ethylbenzene	**1.6**	ug/m3	1.2	0.59	1.39		04/19/16 20:49	100-41-4	
m&p-Xylene	**6.4**	ug/m3	2.5	1.1	1.39		04/19/16 20:49	179601-23-1	
o-Xylene	**2.1**	ug/m3	1.2	0.49	1.39		04/19/16 20:49	95-47-6	
Styrene	**<0.27**	ug/m3	1.2	0.27	1.39		04/19/16 20:49	100-42-5	
1,1,2,2-Tetrachloroethane	**<0.46**	ug/m3	0.97	0.46	1.39		04/19/16 20:49	79-34-5	
1,3,5-Trimethylbenzene	**<0.25**	ug/m3	1.4	0.25	1.39		04/19/16 20:49	108-67-8	
1,2,4-Trimethylbenzene	**2.3**	ug/m3	1.4	0.17	1.39		04/19/16 20:49	95-63-6	
1,3-Dichlorobenzene	**<0.74**	ug/m3	1.7	0.74	1.39		04/19/16 20:49	541-73-1	
1,4-Dichlorobenzene	**<0.69**	ug/m3	1.7	0.69	1.39		04/19/16 20:49	106-46-7	
1,2-Dichlorobenzene	**<0.71**	ug/m3	1.7	0.71	1.39		04/19/16 20:49	95-50-1	
1,2,4-Trichlorobenzene	**<1.3**	ug/m3	10.5	1.3	1.39		04/19/16 20:49	120-82-1	
Hexachloro-1,3-butadiene	**<0.90**	ug/m3	15.1	0.90	1.39		04/19/16 20:49	87-68-3	
Tetrahydrofuran	**<0.17**	ug/m3	0.83	0.17	1.39		04/19/16 20:49	109-99-9	
Acetone	**14.2**	ug/m3	3.3	1.2	1.39		04/19/16 20:49	67-64-1	
2-Butanone (MEK)	**2.0J**	ug/m3	4.2	0.32	1.39		04/19/16 20:49	78-93-3	
n-Hexane	**1.9**	ug/m3	1.0	0.50	1.39		04/19/16 20:49	110-54-3	
Methyl-tert-butyl ether	**<0.42**	ug/m3	5.1	0.42	1.39		04/19/16 20:49	1634-04-4	
Dibromochloromethane	**<1.2**	ug/m3	2.4	1.2	1.39		04/19/16 20:49	124-48-1	
1,3-Butadiene	**<0.24**	ug/m3	0.63	0.24	1.39		04/19/16 20:49	106-99-0	
Carbon disulfide	**<0.14**	ug/m3	0.88	0.14	1.39		04/19/16 20:49	75-15-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Dun-Rite
Pace Project No.: 10344310

Sample: AA304 Residence **Lab ID: 10344310001** Collected: 04/06/16 16:45 Received: 04/11/16 09:55 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Vinyl acetate	**<0.46**	ug/m3	1.0	0.46	1.39		04/19/16 20:49	108-05-4	
Cyclohexane	**2.4**	ug/m3	0.97	0.44	1.39		04/19/16 20:49	110-82-7	
Ethyl acetate	**1.1**	ug/m3	1.0	0.48	1.39		04/19/16 20:49	141-78-6	
4-Methyl-2-pentanone (MIBK)	**<0.30**	ug/m3	5.8	0.30	1.39		04/19/16 20:49	108-10-1	
2-Hexanone	**<0.57**	ug/m3	5.8	0.57	1.39		04/19/16 20:49	591-78-6	
Bromoform	**<1.3**	ug/m3	2.9	1.3	1.39		04/19/16 20:49	75-25-2	
trans-1,2-Dichloroethene	**<0.53**	ug/m3	1.1	0.53	1.39		04/19/16 20:49	156-60-5	
Bromodichloromethane	**<0.27**	ug/m3	1.9	0.27	1.39		04/19/16 20:49	75-27-4	
n-Heptane	**0.93J**	ug/m3	1.2	0.39	1.39		04/19/16 20:49	142-82-5	
Propylene	**<0.19**	ug/m3	1.2	0.19	1.39		04/19/16 20:49	115-07-1	L2,SS
4-Ethyltoluene	**0.72J**	ug/m3	1.4	0.26	1.39		04/19/16 20:49	622-96-8	
Naphthalene	**<0.42**	ug/m3	7.4	0.42	1.39		04/19/16 20:49	91-20-3	
Ethanol	**50.4**	ug/m3	2.7	0.37	1.39		04/19/16 20:49	64-17-5	
2-Propanol	**5.2**	ug/m3	3.5	0.33	1.39		04/19/16 20:49	67-63-0	
Benzyl chloride	**<0.23**	ug/m3	1.5	0.23	1.39		04/19/16 20:49	100-44-7	

Sample: AA304 Residence Can Cert **Lab ID: 10344310002** Collected: 04/06/16 16:45 Received: 04/11/16 09:55 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15								
Acetone	**<0.83**	ug/m3	2.4	0.83	1		02/22/16 11:39	67-64-1	
Benzene	**<0.12**	ug/m3	0.32	0.12	1		02/22/16 11:39	71-43-2	
Benzyl chloride	**<0.17**	ug/m3	2.6	0.17	1		02/22/16 11:39	100-44-7	
Bromodichloromethane	**<0.19**	ug/m3	1.4	0.19	1		02/22/16 11:39	75-27-4	
Bromoform	**<0.90**	ug/m3	2.1	0.90	1		02/22/16 11:39	75-25-2	
Bromomethane	**<0.31**	ug/m3	0.79	0.31	1		02/22/16 11:39	74-83-9	
1,3-Butadiene	**<0.18**	ug/m3	0.45	0.18	1		02/22/16 11:39	106-99-0	
2-Butanone (MEK)	**<0.23**	ug/m3	3.0	0.23	1		02/22/16 11:39	78-93-3	
Carbon disulfide	**<0.10**	ug/m3	0.63	0.10	1		02/22/16 11:39	75-15-0	
Carbon tetrachloride	**<0.19**	ug/m3	0.64	0.19	1		02/22/16 11:39	56-23-5	
Chlorobenzene	**<0.13**	ug/m3	0.94	0.13	1		02/22/16 11:39	108-90-7	
Chloroethane	**<0.19**	ug/m3	0.54	0.19	1		02/22/16 11:39	75-00-3	
Chloroform	**<0.19**	ug/m3	0.50	0.19	1		02/22/16 11:39	67-66-3	
Chloromethane	**<0.11**	ug/m3	0.42	0.11	1		02/22/16 11:39	74-87-3	
Cyclohexane	**<0.32**	ug/m3	0.70	0.32	1		02/22/16 11:39	110-82-7	
Dibromochloromethane	**<0.86**	ug/m3	1.7	0.86	1		02/22/16 11:39	124-48-1	
1,2-Dibromoethane (EDB)	**<0.77**	ug/m3	1.6	0.77	1		02/22/16 11:39	106-93-4	
1,2-Dichlorobenzene	**<0.51**	ug/m3	1.2	0.51	1		02/22/16 11:39	95-50-1	
1,3-Dichlorobenzene	**<0.53**	ug/m3	1.2	0.53	1		02/22/16 11:39	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/m3	1.2	0.50	1		02/22/16 11:39	106-46-7	
Dichlorodifluoromethane	**<0.48**	ug/m3	1.0	0.48	1		02/22/16 11:39	75-71-8	
1,1-Dichloroethane	**<0.16**	ug/m3	0.82	0.16	1		02/22/16 11:39	75-34-3	
1,2-Dichloroethane	**<0.20**	ug/m3	0.41	0.20	1		02/22/16 11:39	107-06-2	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Dun-Rite
Pace Project No.: 10344310

Sample: AA304 Residence Can Cert **Lab ID: 10344310002** Collected: 04/06/16 16:45 Received: 04/11/16 09:55 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15								
1,1-Dichloroethene	**<0.24**	ug/m3	0.81	0.24	1		02/22/16 11:39	75-35-4	
cis-1,2-Dichloroethene	**<0.25**	ug/m3	0.81	0.25	1		02/22/16 11:39	156-59-2	
trans-1,2-Dichloroethene	**<0.38**	ug/m3	0.81	0.38	1		02/22/16 11:39	156-60-5	
1,2-Dichloropropane	**<0.27**	ug/m3	0.94	0.27	1		02/22/16 11:39	78-87-5	
cis-1,3-Dichloropropene	**<0.37**	ug/m3	0.92	0.37	1		02/22/16 11:39	10061-01-5	
trans-1,3-Dichloropropene	**<0.26**	ug/m3	0.92	0.26	1		02/22/16 11:39	10061-02-6	
Dichlorotetrafluoroethane	**<0.31**	ug/m3	1.4	0.31	1		02/22/16 11:39	76-14-2	
Ethanol	**<0.26**	ug/m3	1.9	0.26	1		02/22/16 11:39	64-17-5	
Ethyl acetate	**<0.35**	ug/m3	0.73	0.35	1		02/22/16 11:39	141-78-6	
Ethylbenzene	**<0.42**	ug/m3	0.88	0.42	1		02/22/16 11:39	100-41-4	
4-Ethyltoluene	**<0.19**	ug/m3	1.0	0.19	1		02/22/16 11:39	622-96-8	
n-Heptane	**<0.28**	ug/m3	0.83	0.28	1		02/22/16 11:39	142-82-5	
Hexachloro-1,3-butadiene	**<0.65**	ug/m3	2.2	0.65	1		02/22/16 11:39	87-68-3	
n-Hexane	**<0.36**	ug/m3	0.72	0.36	1		02/22/16 11:39	110-54-3	
2-Hexanone	**<0.41**	ug/m3	4.2	0.41	1		02/22/16 11:39	591-78-6	
Methylene Chloride	**<0.54**	ug/m3	3.5	0.54	1		02/22/16 11:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.22**	ug/m3	4.2	0.22	1		02/22/16 11:39	108-10-1	
Methyl-tert-butyl ether	**<0.30**	ug/m3	3.7	0.30	1		02/22/16 11:39	1634-04-4	
Naphthalene	**<0.30**	ug/m3	2.7	0.30	1		02/22/16 11:39	91-20-3	
2-Propanol	**<0.24**	ug/m3	2.5	0.24	1		02/22/16 11:39	67-63-0	
Propylene	**<0.14**	ug/m3	0.35	0.14	1		02/22/16 11:39	115-07-1	
Styrene	**<0.19**	ug/m3	0.87	0.19	1		02/22/16 11:39	100-42-5	
1,1,2,2-Tetrachloroethane	**<0.33**	ug/m3	0.70	0.33	1		02/22/16 11:39	79-34-5	
Tetrachloroethene	**<0.28**	ug/m3	0.69	0.28	1		02/22/16 11:39	127-18-4	
Tetrahydrofuran	**<0.12**	ug/m3	0.60	0.12	1		02/22/16 11:39	109-99-9	
Toluene	**<0.15**	ug/m3	0.77	0.15	1		02/22/16 11:39	108-88-3	
1,2,4-Trichlorobenzene	**<0.91**	ug/m3	3.8	0.91	1		02/22/16 11:39	120-82-1	
1,1,1-Trichloroethane	**<0.25**	ug/m3	1.1	0.25	1		02/22/16 11:39	71-55-6	
1,1,2-Trichloroethane	**<0.25**	ug/m3	0.55	0.25	1		02/22/16 11:39	79-00-5	
Trichloroethene	**<0.28**	ug/m3	0.55	0.28	1		02/22/16 11:39	79-01-6	
Trichlorofluoromethane	**<0.13**	ug/m3	1.1	0.13	1		02/22/16 11:39	75-69-4	
1,1,2-Trichlorotrifluoroethane	**<0.30**	ug/m3	1.6	0.30	1		02/22/16 11:39	76-13-1	
1,2,4-Trimethylbenzene	**<0.12**	ug/m3	1.0	0.12	1		02/22/16 11:39	95-63-6	
1,3,5-Trimethylbenzene	**<0.18**	ug/m3	1.0	0.18	1		02/22/16 11:39	108-67-8	
Vinyl acetate	**<0.33**	ug/m3	0.72	0.33	1		02/22/16 11:39	108-05-4	
Vinyl chloride	**<0.20**	ug/m3	0.26	0.20	1		02/22/16 11:39	75-01-4	
m&p-Xylene	**<0.79**	ug/m3	1.8	0.79	1		02/22/16 11:39	179601-23-1	
o-Xylene	**<0.35**	ug/m3	0.88	0.35	1		02/22/16 11:39	95-47-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Dun-Rite
Pace Project No.: 10344310

QC Batch: AIR/25729
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10344310001

METHOD BLANK: 2236142
Matrix: Air
Associated Lab Samples: 10344310001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.25	1.1	04/19/16 15:27	
1,1,2,2-Tetrachloroethane	ug/m3	<0.33	0.70	04/19/16 15:27	
1,1,2-Trichloroethane	ug/m3	<0.25	0.55	04/19/16 15:27	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.30	1.6	04/19/16 15:27	
1,1-Dichloroethane	ug/m3	<0.16	0.82	04/19/16 15:27	
1,1-Dichloroethene	ug/m3	<0.24	0.81	04/19/16 15:27	
1,2,4-Trichlorobenzene	ug/m3	<0.91	7.5	04/19/16 15:27	
1,2,4-Trimethylbenzene	ug/m3	<0.12	1.0	04/19/16 15:27	
1,2-Dibromoethane (EDB)	ug/m3	<0.77	1.6	04/19/16 15:27	
1,2-Dichlorobenzene	ug/m3	<0.51	1.2	04/19/16 15:27	
1,2-Dichloroethane	ug/m3	<0.20	0.41	04/19/16 15:27	
1,2-Dichloropropane	ug/m3	<0.27	0.94	04/19/16 15:27	
1,3,5-Trimethylbenzene	ug/m3	<0.18	1.0	04/19/16 15:27	
1,3-Butadiene	ug/m3	<0.18	0.45	04/19/16 15:27	
1,3-Dichlorobenzene	ug/m3	<0.53	1.2	04/19/16 15:27	
1,4-Dichlorobenzene	ug/m3	<0.50	1.2	04/19/16 15:27	
2-Butanone (MEK)	ug/m3	<0.23	3.0	04/19/16 15:27	
2-Hexanone	ug/m3	<0.41	4.2	04/19/16 15:27	
2-Propanol	ug/m3	<0.24	2.5	04/19/16 15:27	
4-Ethyltoluene	ug/m3	<0.19	1.0	04/19/16 15:27	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.22	4.2	04/19/16 15:27	
Acetone	ug/m3	<0.83	2.4	04/19/16 15:27	
Benzene	ug/m3	<0.12	0.65	04/19/16 15:27	
Benzyl chloride	ug/m3	<0.17	1.0	04/19/16 15:27	
Bromodichloromethane	ug/m3	<0.19	1.4	04/19/16 15:27	
Bromoform	ug/m3	<0.90	2.1	04/19/16 15:27	
Bromomethane	ug/m3	<0.31	0.79	04/19/16 15:27	
Carbon disulfide	ug/m3	<0.10	0.63	04/19/16 15:27	
Carbon tetrachloride	ug/m3	<0.19	0.64	04/19/16 15:27	
Chlorobenzene	ug/m3	<0.13	0.94	04/19/16 15:27	
Chloroethane	ug/m3	<0.19	0.54	04/19/16 15:27	
Chloroform	ug/m3	<0.19	0.99	04/19/16 15:27	
Chloromethane	ug/m3	<0.11	0.42	04/19/16 15:27	
cis-1,2-Dichloroethene	ug/m3	<0.25	0.81	04/19/16 15:27	
cis-1,3-Dichloropropene	ug/m3	<0.37	0.92	04/19/16 15:27	
Cyclohexane	ug/m3	<0.32	0.70	04/19/16 15:27	
Dibromochloromethane	ug/m3	<0.86	1.7	04/19/16 15:27	
Dichlorodifluoromethane	ug/m3	<0.48	1.0	04/19/16 15:27	
Dichlorotetrafluoroethane	ug/m3	<0.31	1.4	04/19/16 15:27	
Ethanol	ug/m3	<0.26	1.9	04/19/16 15:27	
Ethyl acetate	ug/m3	<0.35	0.73	04/19/16 15:27	

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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: Dun-Rite
Pace Project No.: 10344310

METHOD BLANK: 2236142 Matrix: Air
Associated Lab Samples: 10344310001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/m3	<0.42	0.88	04/19/16 15:27	
Hexachloro-1,3-butadiene	ug/m3	<0.65	10.8	04/19/16 15:27	
m&p-Xylene	ug/m3	<0.79	1.8	04/19/16 15:27	
Methyl-tert-butyl ether	ug/m3	<0.30	3.7	04/19/16 15:27	
Methylene Chloride	ug/m3	<0.54	3.5	04/19/16 15:27	
n-Heptane	ug/m3	<0.28	0.83	04/19/16 15:27	
n-Hexane	ug/m3	<0.36	0.72	04/19/16 15:27	
Naphthalene	ug/m3	<0.30	5.3	04/19/16 15:27	
o-Xylene	ug/m3	<0.35	0.88	04/19/16 15:27	
Propylene	ug/m3	<0.14	0.88	04/19/16 15:27	L2,SS
Styrene	ug/m3	<0.19	0.87	04/19/16 15:27	
Tetrachloroethene	ug/m3	<0.28	0.69	04/19/16 15:27	
Tetrahydrofuran	ug/m3	<0.12	0.60	04/19/16 15:27	
Toluene	ug/m3	<0.15	0.77	04/19/16 15:27	
trans-1,2-Dichloroethene	ug/m3	<0.38	0.81	04/19/16 15:27	
trans-1,3-Dichloropropene	ug/m3	<0.26	0.92	04/19/16 15:27	
Trichloroethene	ug/m3	<0.28	0.55	04/19/16 15:27	
Trichlorofluoromethane	ug/m3	<0.13	1.1	04/19/16 15:27	
Vinyl acetate	ug/m3	<0.33	0.72	04/19/16 15:27	
Vinyl chloride	ug/m3	<0.20	0.26	04/19/16 15:27	

LABORATORY CONTROL SAMPLE: 2236143

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	57.7	48.7	84	60-143	
1,1,2,2-Tetrachloroethane	ug/m3	74	73.7	100	49-150	
1,1,2-Trichloroethane	ug/m3	58.8	50.3	86	57-149	
1,1,2-Trichlorotrifluoroethane	ug/m3	81.8	79.1	97	66-131	
1,1-Dichloroethane	ug/m3	43.2	37.5	87	62-139	
1,1-Dichloroethene	ug/m3	42.3	38.9	92	62-135	
1,2,4-Trichlorobenzene	ug/m3	73.9	77.7	105	55-146	
1,2,4-Trimethylbenzene	ug/m3	51.5	54.4	106	57-143	
1,2-Dibromoethane (EDB)	ug/m3	82.8	79.9	97	63-150	
1,2-Dichlorobenzene	ug/m3	62.9	68.0	108	57-141	
1,2-Dichloroethane	ug/m3	43.6	35.3	81	61-144	
1,2-Dichloropropane	ug/m3	50.2	43.1	86	63-144	
1,3,5-Trimethylbenzene	ug/m3	51.5	55.1	107	54-147	
1,3-Butadiene	ug/m3	23.2	21.1	91	61-140	
1,3-Dichlorobenzene	ug/m3	63.6	67.7	107	51-150	
1,4-Dichlorobenzene	ug/m3	61.7	67.4	109	57-143	
2-Butanone (MEK)	ug/m3	32.1	33.6	105	66-144	
2-Hexanone	ug/m3	45	54.6	121	63-147	
2-Propanol	ug/m3	25.7	26.5	103	54-146	
4-Ethyltoluene	ug/m3	49.5	56.9	115	56-150	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Dun-Rite
Pace Project No.: 10344310

LABORATORY CONTROL SAMPLE: 2236143

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/m3	43.7	49.0	112	58-150	
Acetone	ug/m3	24.9	26.3	106	46-140	
Benzene	ug/m3	34.4	29.7	86	62-141	
Benzyl chloride	ug/m3	54.7	57.3	105	66-138	
Bromodichloromethane	ug/m3	71.5	63.1	88	58-149	
Bromoform	ug/m3	113	120	106	61-150	
Bromomethane	ug/m3	38.3	36.9	96	58-136	
Carbon disulfide	ug/m3	33.2	32.0	96	59-135	
Carbon tetrachloride	ug/m3	67.1	55.7	83	60-149	
Chlorobenzene	ug/m3	50.1	49.1	98	60-150	
Chloroethane	ug/m3	26	25.7	99	61-136	
Chloroform	ug/m3	51.6	46.3	90	65-138	
Chloromethane	ug/m3	21	18.5	88	62-133	
cis-1,2-Dichloroethene	ug/m3	43.5	36.9	85	65-139	
cis-1,3-Dichloropropene	ug/m3	51.7	43.7	84	61-149	
Cyclohexane	ug/m3	36.7	31.8	87	64-134	
Dibromochloromethane	ug/m3	97	90.8	94	59-150	
Dichlorodifluoromethane	ug/m3	50.3	43.4	86	63-134	
Dichlorotetrafluoroethane	ug/m3	69.6	61.4	88	62-134	
Ethanol	ug/m3	20.3	20.2	100	50-144	
Ethyl acetate	ug/m3	38.1	32.3	85	55-146	
Ethylbenzene	ug/m3	47.2	46.4	98	59-149	
Hexachloro-1,3-butadiene	ug/m3	108	117	108	42-150	
m&p-Xylene	ug/m3	47.7	55.8	117	59-146	
Methyl-tert-butyl ether	ug/m3	38.5	41.6	108	64-135	
Methylene Chloride	ug/m3	38.8	39.0	100	64-128	
n-Heptane	ug/m3	44.2	37.0	84	64-140	
n-Hexane	ug/m3	37.6	31.9	85	50-138	
Naphthalene	ug/m3	55.9	47.9	86	46-146	
o-Xylene	ug/m3	46.8	46.2	99	54-149	
Propylene	ug/m3	18.9	4.0	21	58-135	L2,SS
Styrene	ug/m3	45.5	49.3	108	54-150	
Tetrachloroethene	ug/m3	72.4	69.4	96	60-142	
Tetrahydrofuran	ug/m3	32.7	27.5	84	56-143	
Toluene	ug/m3	41	35.5	87	61-138	
trans-1,2-Dichloroethene	ug/m3	41.1	41.1	100	67-137	
trans-1,3-Dichloropropene	ug/m3	51.7	44.7	86	59-145	
Trichloroethene	ug/m3	57.4	49.1	86	60-144	
Trichlorofluoromethane	ug/m3	58.2	54.0	93	59-134	
Vinyl acetate	ug/m3	39.7	32.3	81	55-143	
Vinyl chloride	ug/m3	26.5	24.2	91	63-135	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Dun-Rite
Pace Project No.: 10344310

SAMPLE DUPLICATE: 2236517

Parameter	Units	10344310001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.34	<0.34		25	
1,1,2,2-Tetrachloroethane	ug/m3	<0.46	<0.46		25	
1,1,2-Trichloroethane	ug/m3	<0.34	<0.34		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.42	<0.42		25	
1,1-Dichloroethane	ug/m3	<0.22	<0.22		25	
1,1-Dichloroethene	ug/m3	<0.33	<0.33		25	
1,2,4-Trichlorobenzene	ug/m3	<1.3	<1.3		25	
1,2,4-Trimethylbenzene	ug/m3	2.3	2.3	1	25	
1,2-Dibromoethane (EDB)	ug/m3	<1.1	<1.1		25	
1,2-Dichlorobenzene	ug/m3	<0.71	<0.71		25	
1,2-Dichloroethane	ug/m3	<0.28	<0.28		25	
1,2-Dichloropropane	ug/m3	<0.38	<0.38		25	
1,3,5-Trimethylbenzene	ug/m3	<0.25	<0.25		25	
1,3-Butadiene	ug/m3	<0.24	<0.24		25	
1,3-Dichlorobenzene	ug/m3	<0.74	<0.74		25	
1,4-Dichlorobenzene	ug/m3	<0.69	<0.69		25	
2-Butanone (MEK)	ug/m3	2.0J	2.0J		25	
2-Hexanone	ug/m3	<0.57	<0.57		25	
2-Propanol	ug/m3	5.2	5.3	2	25	
4-Ethyltoluene	ug/m3	0.72J	0.75J		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.30	<0.30		25	
Acetone	ug/m3	14.2	14.4	1	25	
Benzene	ug/m3	1.2	1.2	2	25	
Benzyl chloride	ug/m3	<0.23	<0.23		25	
Bromodichloromethane	ug/m3	<0.27	<0.27		25	
Bromoform	ug/m3	<1.3	<1.3		25	
Bromomethane	ug/m3	<0.43	<0.43		25	
Carbon disulfide	ug/m3	<0.14	<0.14		25	
Carbon tetrachloride	ug/m3	<0.27	<0.27		25	
Chlorobenzene	ug/m3	<0.19	<0.19		25	
Chloroethane	ug/m3	<0.27	<0.27		25	
Chloroform	ug/m3	<0.26	<0.26		25	
Chloromethane	ug/m3	0.74	0.72	3	25	
cis-1,2-Dichloroethene	ug/m3	<0.34	<0.34		25	
cis-1,3-Dichloropropene	ug/m3	<0.51	<0.51		25	
Cyclohexane	ug/m3	2.4	2.4	0	25	
Dibromochloromethane	ug/m3	<1.2	<1.2		25	
Dichlorodifluoromethane	ug/m3	2.1	2.1	0	25	
Dichlorotetrafluoroethane	ug/m3	<0.43	<0.43		25	
Ethanol	ug/m3	50.4	52.3	4	25	
Ethyl acetate	ug/m3	1.1	1.1	2	25	
Ethylbenzene	ug/m3	1.6	1.6	0	25	
Hexachloro-1,3-butadiene	ug/m3	<0.90	<0.90		25	
m&p-Xylene	ug/m3	6.4	6.6	2	25	
Methyl-tert-butyl ether	ug/m3	<0.42	<0.42		25	
Methylene Chloride	ug/m3	2.0J	<0.75		25	
n-Heptane	ug/m3	0.93J	0.87J		25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Dun-Rite
Pace Project No.: 10344310

SAMPLE DUPLICATE: 2236517

Parameter	Units	10344310001 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	1.9	1.9	1	25	
Naphthalene	ug/m3	<0.42	<0.42		25	
o-Xylene	ug/m3	2.1	2.1	3	25	
Propylene	ug/m3	<0.19	<0.19		25	L2,SS
Styrene	ug/m3	<0.27	<0.27		25	
Tetrachloroethene	ug/m3	<0.39	<0.39		25	
Tetrahydrofuran	ug/m3	<0.17	<0.17		25	
Toluene	ug/m3	5.5	5.3	3	25	
trans-1,2-Dichloroethene	ug/m3	<0.53	<0.53		25	
trans-1,3-Dichloropropene	ug/m3	<0.36	<0.36		25	
Trichloroethene	ug/m3	0.52J	0.56J		25	
Trichlorofluoromethane	ug/m3	1.1J	1.2J		25	
Vinyl acetate	ug/m3	<0.46	<0.46		25	
Vinyl chloride	ug/m3	<0.27	<0.27		25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: Dun-Rite
Pace Project No.: 10344310

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

L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
SS	This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

Pace Analytical Services, Inc.
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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Dun-Rite
Pace Project No.: 10344310

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10344310001	**AA304 Residence**	TO-15	AIR/25729		
10344310002	**AA304 Residence Can Cert**	TO-15	AIR/25683		

10344310

Pace Analytical®
www.pacelabs.com

AIR: CHAIN-OF-CUSTODY / Analytical Request Document

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

24082

Page: 1 of 1

Section A Required Client Information:

Company: Sand Creek Consultants
Address: 151 Mill St
Amherst, WI 54406
Email To: Pete.Arntsen@Sand-Creek.com
Phone: 715-824-5169 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Pete Arntsen
Copy To:
Purchase Order No.:
Project Name: Dun-Rite
Project Number:

Section C Invoice Information:

Attention: Pete Arntsen
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #:

Program: UST | Superfund | Emissions | Clean Air Act | Voluntary Clean Up | Dry Clean | RCRA | Other

Location of Sampling by State: WI

Reporting Units: ug/m³ ___ mg/m³ ___ PPBV ___ PPMV ___ Other ___

Report Level: II.___ III.___ IV.___ Other ___

'Section D Required Client Information

AIR SAMPLE ID
Sample IDs MUST BE UNIQUE

Valid Media Codes

MEDIA	CODE
Tedlar Bag	TB
1 Liter Summa Can	1LC
6 Liter Summa Can	6LC
Low Volume Puff	LVP
High Volume Puff	HVP
Other	PM10

ITEM #	AIR SAMPLE ID	MEDIA CODE	PID Reading (Client only)	COLLECTED COMPOSITE START END/GRAB DATE	COLLECTED COMPOSITE START END/GRAB TIME	COLLECTED COMPOSITE - DATE	COLLECTED COMPOSITE - TIME	Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method: PM10	3C- Fixed Gas (%)	TO-3	TO-3M (Methane)	TO-4 (PCBs)	TO-13 (PAH)	TO-14	TO-15	TO15 Short List*	Pace Lab ID
1	AA304 Residence	6LC		9/6/16	8:45	9/6/16	16:45	-27	-2	1641	0449								X		001, 002
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Comments:

Full list same as previous per Pete Arntsen CG 9/12/16

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Nic Besyk	9/7/16	10:00	[signature]	9/11/16	0955

SAMPLE CONDITIONS

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Nicholas Besyk
SIGNATURE of SAMPLER: Nic Besyk
DATE Signed (MM/DD/YY): 9/7/16

ORIGINAL

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: Sand creek

Project #: WO#: 10344310

10344310

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

Tracking Number: 6637 5035 3750

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): X Corrected Temp (°C): X Thermom. Used: ☐ B88A912167504 ☐ B88A9132521491 ☐ 72337080 ☐ 80512447

Temp should be above freezing to 6°C Correction Factor: X Date & Initials of Person Examining Contents: 4/11/16

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.	

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: Pete Arntsen Date/Time: 4/12/16

Comments/Resolution: Will not like previous events

Project Manager Review: Date: 4/12/16

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)

Passow, Haillie N - DNR

From: Pete Arntsen <pete.arntsen@sand-creek.com>
Sent: Monday, May 02, 2016 11:19 AM
To: Layne Cozzolino (lecozzolino@gmail.com)
Cc: Passow, Haillie N - DNR
Subject: Dun-Rite - residence ambient air sample results
Attachments: 2016.05.02 SCC Dun Rite Cozzolino ambient vpr rslts ltr.pdf

Hi Layne,

Attached is a letter that summarizes the results of the vapor sample that we recently collected from the basement of the residence adjacent to the former Dun-Rite Cleaners. A hard copy will be mailed.

No substances were detected above indoor air action levels, and the overall results are similar to previous rounds.

I copied Haillie Passow, the DNR project manager, on the letter and this email. Feel free to contact her (715-839-3760) or me (715-824-5969) if you have questions or would like to discuss.

Thanks for your help,

Pete

Regards,

Pete Arntsen, M.S., P.H., Project Manager/Sr. Hydrologist
Sand Creek Consultants, Inc. I P.O. Box 218 I 151 Mill St. I Amherst, WI 54406
main 715.824.5169 I direct 715.824.5969 I cell 715.445.1497 I fax 866.608.6473
www.sand-creek.com I pete.arntsen@sand-creek.com

Sand Creek Consultants, Inc. I Environmental and Geological Scientists and Engineers
Solutions in Green Site Remediation, Sustainability, and Phytoremediation since 1995