

## SCS ENGINEERS

May 10, 2017  
File No. 25212159.01

G. Wiz Investments, LLC  
Attn: Brian W. Gillstrom  
3930 North First Street  
Milwaukee, WI 53212

Subject: Sub-Slab Vapor Sampling Results  
3930 N. 1<sup>st</sup> Street, Milwaukee, Wisconsin

Dear Mr. Gillstrom:

SCS Engineers (SCS), on behalf of the Hunn Family Trust, is providing the results of the sub-slab vapor sampling conducted at the facility located at 3930 N. 1st Street, Milwaukee, Wisconsin. The purpose of the sampling was to evaluate the possible presence of dry cleaning solvent vapors in the subsurface in the vicinity of the former Queens Way Cleaners, formerly located at 117 E. Capitol Drive.

### Sampling Results

On April 10, 2017, three sub-slab vapor samples were collected at the Midwest Die Casting facility. One sample was collected in each of the main sections of the building located adjacent the former dry cleaners. The attached figure shows the approximate sampling locations. The vapor samples were submitted to Pace Analytical for analysis of tetrachloroethylene (PCE), cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene, trichloroethylene (TCE), and vinyl chloride. A table summarizing the results, and the laboratory report for the vapor sampling are attached.

Low concentrations of PCE, TCE, and cis-1,2-DCE were detected. All of the detected concentrations were much lower than the industrial building vapor risk screening level (**Table 1**). Based on the results of the testing, installation of a vapor mitigation system or other follow-up action is not needed.

Thank you very much for your cooperation with SCS for conducting the sampling. Please contact us at (608) 224-2830 if you have any question.

Sincerely,



Betty J. Socha, PhD, PG  
Senior Project Manager  
**SCS ENGINEERS**



Tony Kollasch  
Project Hydrogeologist  
**SCS ENGINEERS**



Mr. Gillstrom  
May 10, 2017  
Page 2

BJS/lmh/TJK

cc: Mr. Lou Dodulik, Mudroch & Dodulik, S.C.  
Ms. Nancy Ryan, Wisconsin Department of Natural Resources

Enclosures: Table 1 – Sub-Slab Vapor Analytical Results Summary  
Figure 1 – Sub-Slab Vapor Sampling Locations  
Pace Laboratory Report dated April 26, 2017

I:\25212159\Correspondence-Other\Midwest Die Casting\_Sub-Slab\_Sampling Results\_170510.doc

**Table 1. Sub-Slab Vapor Analytical Results Summary**  
**Midwest Die Casting, 3930 N. 1st Street, Milwaukee, WI / SCS Engineers Project #25212159.01**  
 (Results are in ppbV)

Sample/Location	Date	Lab Notes	Tetrachloroethylene (PCE)	Trichloroethylene (TCE)	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
MD-1	4/10/2017	--	<b>4.7</b>	<0.088	<0.11	<0.17	<0.13
MD-2	4/10/2017	--	<b>9</b>	<b>0.11 J</b>	<0.11	<0.17	<0.13
MD-3	4/10/2017	--	<b>24.5</b>	<b>1.8</b>	<b>0.14 J</b>	<0.17	<0.13
Vapor Risk Screening Level (Residential Building)			210	13	NE	NE	22
Vapor Risk Screening Level (Small Commercial Building)			900	53	NE	NE	370
Vapor Risk Screening Level (Large Commercial/Industrial Building)			2,700	160	NE	NE	1,100

Abbreviations:

ppbV = parts per billion by volume

trans-1,2-DCE = trans-1,2-dichloroethylene

cis-1,2-DCE = cis-1,2-dichloroethylene

NE = not established

-- = not applicable

Notes:

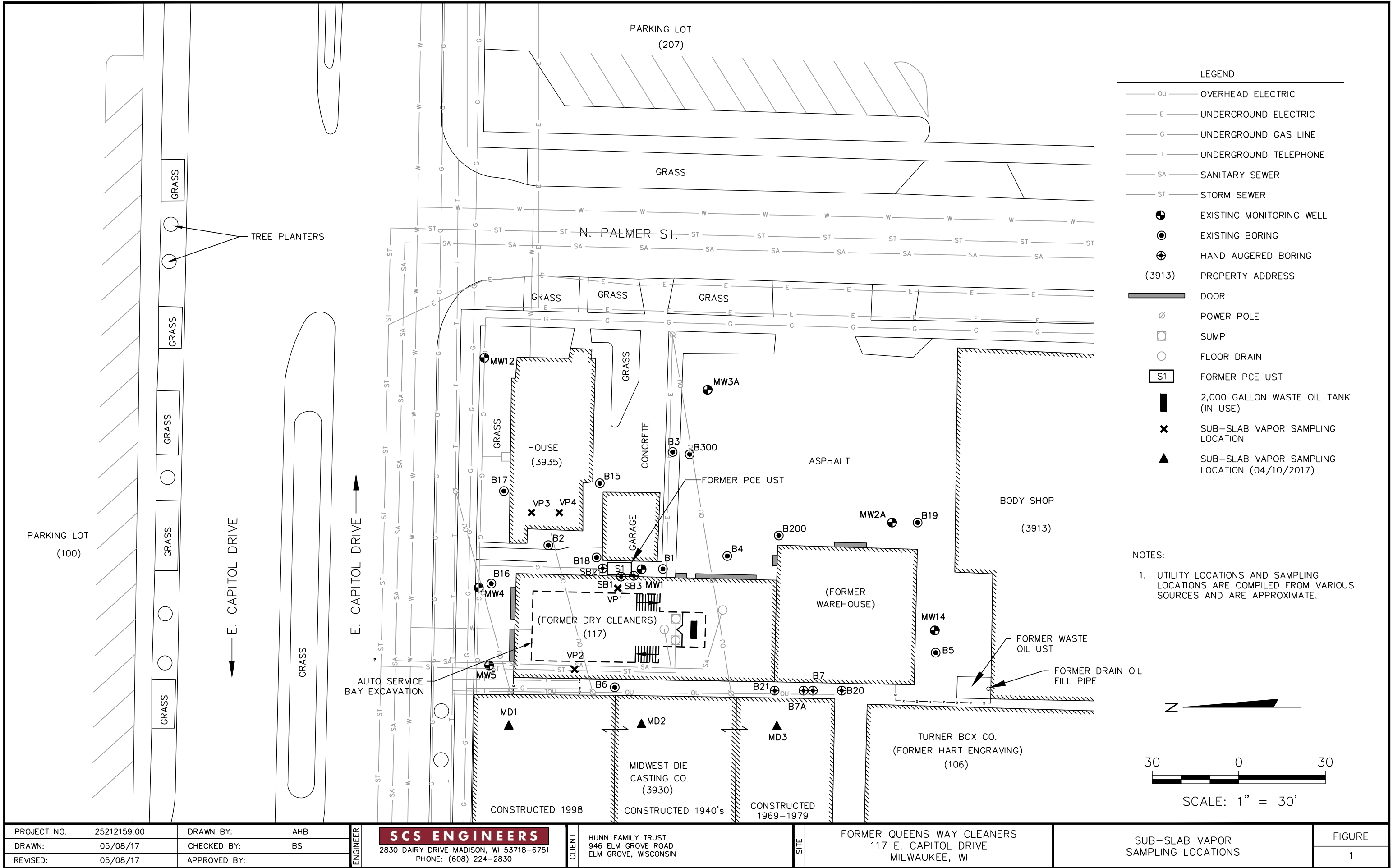
1. Samples were collected in 6-liter summa canisters over a 30-minute period and analyzed using the USEPA TO-15 analytical method.
2. Vapor Risk Screening Levels from Wisconsin Department of Natural Resources Quick Look-Up Table dated May 2016.
3. **Bold+underlined** values meet or exceed Vapor Risk Screening Levels.

Laboratory Notes/Qualifiers:

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

Created by:	<u>BJS</u>	Date: <u>5/7/2017</u>
Last revision by:	<u>BJS</u>	Date: <u>5/7/2017</u>
Checked by:	<u>LMH</u>	Date: <u>5/10/2017</u>

I:\25212159\Tables-General\[2017\_01\_Sub-Slab Vapor\_VOCs\_MDI.xls]Sub-Slab Results



April 26, 2017

Betty J. Socha  
SCS Engineers  
2830 Dairy Dr  
Madison, WI 53718

RE: Project: 25212159.01 Hunn Family T Rev2  
Pace Project No.: 10384640

Dear Betty Socha:

Enclosed are the analytical results for sample(s) received by the laboratory on April 12, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

This report was revised on April 25, 2017 to update the project name from 25212159.01 Midwest Die Casting to Hunn Family Trust and to update the analyte list.

This report was revised on April 26, 2017 to include the PPBV conversion and include the revised COC..

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

Sincerely,



Sarah Platzer  
sarah.platzer@pacelabs.com  
(612)607-1700  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## CERTIFICATIONS

Project: 25212159.01 Hunn Family T Rev2  
Pace Project No.: 10384640

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### Minnesota Certification IDs

1700 Elm Street SE, Suite 200, Minneapolis, MN 55414  
A2LA Certification #: 2926.01  
Alabama Certification #: 40770  
Alaska Contaminated Sites Certification #: UST-078  
Alaska DW Certification #: MN00064  
Arizona Certification #: AZ0014  
Arkansas Certification #: 88-0680  
California Certification #: MN00064  
CNMI Saipan Certification #: MP0003  
Colorado Certification #: MN00064  
Connecticut Certification #: PH-0256  
EPA Region 8 Certification #: 8TMS-L  
Florida Certification #: E87605  
Georgia Certification #: 959  
Guam EPA Certification #: MN00064  
Hawaii Certification #: MN00064  
Idaho Certification #: MN00064  
Illinois Certification #: 200011  
Indiana Certification #: C-MN-01  
Iowa Certification #: 368  
Kansas Certification #: E-10167  
Kentucky DW Certification #: 90062  
Kentucky WW Certification #: 90062  
Louisiana DEQ Certification #: 03086  
Louisiana DW Certification #: MN00064  
Maine Certification #: MN00064  
Maryland Certification #: 322  
Michigan Certification #: 9909

Minnesota Certification #: 027-053-137  
Mississippi Certification #: MN00064  
Montana Certification #: CERT0092  
Nebraska Certification #: NE-OS-18-06  
Nevada Certification #: MN00064  
New Hampshire Certification #: 2081  
New Jersey Certification #: MN002  
New York Certification #: 11647  
North Carolina DW Certification #: 27700  
North Carolina WW Certification #: 530  
North Dakota Certification #: R-036  
Ohio DW Certification #: 41244  
Ohio VAP Certification #: CL101  
Oklahoma Certification #: 9507  
Oregon NwTPH Certification #: MN300001  
Oregon Secondary Certification #: MN200001  
Pennsylvania Certification #: 68-00563  
Puerto Rico Certification #: MN00064  
South Carolina Certification #: 74003001  
Tennessee Certification #: TN02818  
Texas Certification #: T104704192  
Utah Certification #: MN00064  
Virginia Certification #: 460163  
Washington Certification #: C486  
West Virginia DW Certification #: 9952 C  
West Virginia WW Certification #: 382  
Wisconsin Certification #: 999407970  
Wyoming via EPA Region 8 Certification #: 8TMS-L

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 25212159.01 Hunn Family T Rev2

Pace Project No.: 10384640

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10384640001	MD-1	Air	04/10/17 16:40	04/12/17 10:45
10384640002	MD-2	Air	04/10/17 15:45	04/12/17 10:45
10384640003	MD-3	Air	04/10/17 16:10	04/12/17 10:45

## REPORT OF LABORATORY ANALYSIS

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## SAMPLE ANALYTE COUNT

Project: 25212159.01 Hunn Family T Rev2

Pace Project No.: 10384640

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10384640001	MD-1	TO-15	EMC	5	PASI-M
10384640002	MD-2	TO-15	EMC	5	PASI-M
10384640003	MD-3	TO-15	EMC	5	PASI-M

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 25212159.01 Hunn Family T Rev2

Pace Project No.: 10384640

Sample: MD-1		Lab ID: 10384640001		Collected: 04/10/17 16:40		Received: 04/12/17 10:45		Matrix: Air	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
cis-1,2-Dichloroethene	<0.43	ug/m3	1.4	0.43	1.75		04/20/17 16:46	156-59-2	
trans-1,2-Dichloroethene	<0.67	ug/m3	1.4	0.67	1.75		04/20/17 16:46	156-60-5	
Tetrachloroethene	32.1	ug/m3	1.2	0.49	1.75		04/20/17 16:46	127-18-4	
Trichloroethene	<0.48	ug/m3	0.96	0.48	1.75		04/20/17 16:46	79-01-6	
Vinyl chloride	<0.34	ug/m3	0.46	0.34	1.75		04/20/17 16:46	75-01-4	

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## ANALYTICAL RESULTS

Project: 25212159.01 Hunn Family T Rev2

Pace Project No.: 10384640

Sample: MD-2		Lab ID: 10384640002		Collected: 04/10/17 15:45		Received: 04/12/17 10:45		Matrix: Air	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15							
cis-1,2-Dichloroethene	<0.43	ug/m3	1.4	0.43	1.75		04/20/17 17:43	156-59-2	
trans-1,2-Dichloroethene	<0.67	ug/m3	1.4	0.67	1.75		04/20/17 17:43	156-60-5	
Tetrachloroethene	61.8	ug/m3	1.2	0.49	1.75		04/20/17 17:43	127-18-4	
Trichloroethene	0.58J	ug/m3	0.96	0.48	1.75		04/20/17 17:43	79-01-6	
Vinyl chloride	<0.34	ug/m3	0.46	0.34	1.75		04/20/17 17:43	75-01-4	

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## ANALYTICAL RESULTS

Project: 25212159.01 Hunn Family T Rev2

Pace Project No.: 10384640

Sample: MD-3		Lab ID: 10384640003	Collected: 04/10/17 16:10		Received: 04/12/17 10:45		Matrix: Air		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15							
cis-1,2-Dichloroethene	<b>0.55J</b>	ug/m3	1.4	0.43	1.75		04/20/17 18:42	156-59-2	
trans-1,2-Dichloroethene	<b>&lt;0.67</b>	ug/m3	1.4	0.67	1.75		04/20/17 18:42	156-60-5	
Tetrachloroethene	<b>169</b>	ug/m3	1.2	0.49	1.75		04/20/17 18:42	127-18-4	
Trichloroethene	<b>9.8</b>	ug/m3	0.96	0.48	1.75		04/20/17 18:42	79-01-6	
Vinyl chloride	<b>&lt;0.34</b>	ug/m3	0.46	0.34	1.75		04/20/17 18:42	75-01-4	

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 25212159.01 Hunn Family T Rev2

Pace Project No.: 10384640

QC Batch: 469667 Analysis Method: TO-15  
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level  
Associated Lab Samples: 10384640001, 10384640002, 10384640003

METHOD BLANK: 2564379 Matrix: Air

Associated Lab Samples: 10384640001, 10384640002, 10384640003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.25	0.81	04/20/17 14:55	
Tetrachloroethene	ug/m3	<0.28	0.69	04/20/17 14:55	
trans-1,2-Dichloroethene	ug/m3	<0.38	0.81	04/20/17 14:55	
Trichloroethene	ug/m3	<0.28	0.55	04/20/17 14:55	
Vinyl chloride	ug/m3	<0.20	0.26	04/20/17 14:55	

LABORATORY CONTROL SAMPLE: 2564380

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/m3	40.3	46.7	116	70-133	
Tetrachloroethene	ug/m3	68.9	70.1	102	70-130	
trans-1,2-Dichloroethene	ug/m3	40.3	46.4	115	70-131	
Trichloroethene	ug/m3	54.6	56.4	103	70-130	
Vinyl chloride	ug/m3	26	29.0	112	70-130	

SAMPLE DUPLICATE: 2565443

Parameter	Units	10384640001 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.43	<0.43		25	
Tetrachloroethene	ug/m3	32.1	29.1	10	25	
trans-1,2-Dichloroethene	ug/m3	<0.67	<0.67		25	
Trichloroethene	ug/m3	<0.48	<0.48		25	
Vinyl chloride	ug/m3	<0.34	<0.34		25	

SAMPLE DUPLICATE: 2565444

Parameter	Units	10384640002 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.43	<0.43		25	
Tetrachloroethene	ug/m3	61.8	63.1	2	25	
trans-1,2-Dichloroethene	ug/m3	<0.67	<0.67		25	
Trichloroethene	ug/m3	0.58J	<0.48		25	
Vinyl chloride	ug/m3	<0.34	<0.34		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

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## QUALIFIERS

Project: 25212159.01 Hunn Family T Rev2

Pace Project No.: 10384640

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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

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 25212159.01 Hunn Family T Rev2

Pace Project No.: 10384640

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10384640001	MD-1	TO-15	469667		
10384640002	MD-2	TO-15	469667		
10384640003	MD-3	TO-15	469667		

## REPORT OF LABORATORY ANALYSIS

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# AIR: CHAIN-OF-CUSTODY / Analytical Request Document

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

10384640

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	SCS Engineers	Report To:	Bethy Socha	Attention:	Bethy Socha
Address:	2830 Davin Dr. Madison, WI 53718	Copy To:		Company Name:	SCS Engineers
Email To:	BSocha@scsengineers.com	Purchase Order No.:		Address:	2830 Davin Dr. Madison, WI 53718
Phone:	608-216-7331	Project Name:	Madison Die Casting Co.	Pace Quote Reference:	
Requested Due Date/TAT:		Project Number:	25212159.01	Pace Project Manager/Sales Rep:	Carolynne Trout
Valid Media Codes		Valid Media Codes		Report Level	
MEDIA CODE		MEDIA CODE		II. III. IV. Other	
Valid Media Codes		Valid Media Codes		Reporting Units	
TB 1 Liter Summa Can 6 Liter Summa Can Low Volume Puff High Volume Puff Other		TB 1 Liter Summa Can 6 Liter Summa Can Low Volume Puff High Volume Puff Other		ug/m <sup>3</sup> PPBV PMV Other	
AIR SAMPLE ID Sample IDs MUST BE UNIQUE		AIR SAMPLE ID Sample IDs MUST BE UNIQUE		Location of Sampling by State	
#		#		WI	
ITEM #		ITEM #		Method:	
1		1		PM10	
2		2		3C-Fixed Gas (%)	
3		3		TO-3	
4		4		TO-3M (Methane)	
5		5		TO-4 (PCBS)	
6		6		TO-13 (PAH)	
7		7		TO-14	
8		8		TO-15	
9		9		TO-15 Short List*	
10		10		Pace Lab ID	
11		11			
12		12			
Comments :		Comments :		Comments :	
RELINQUISHED BY / AFFILIATION		RELINQUISHED BY / AFFILIATION		RELINQUISHED BY / AFFILIATION	
DATE		DATE		DATE	
TIME		TIME		TIME	
ACCEPTED BY / AFFILIATION		ACCEPTED BY / AFFILIATION		ACCEPTED BY / AFFILIATION	
DATE		DATE		DATE	
TIME		TIME		TIME	
SAMPLER NAME AND SIGNATURE		SAMPLER NAME AND SIGNATURE		SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER:		PRINT Name of SAMPLER:		PRINT Name of SAMPLER:	
SIGNATURE of SAMPLER:		SIGNATURE of SAMPLER:		SIGNATURE of SAMPLER:	
DATE Signed (MM/DD/YY)		DATE Signed (MM/DD/YY)		DATE Signed (MM/DD/YY)	
04/16/17		04/16/17		04/16/17	
Temp in °C		Temp in °C		Temp in °C	
Y/N		Y/N		Y/N	
Received on		Received on		Received on	
Y/N		Y/N		Y/N	
Custody		Custody		Custody	
Y/N		Y/N		Y/N	
Sealed Cooler		Sealed Cooler		Sealed Cooler	
Y/N		Y/N		Y/N	
Samples Intact		Samples Intact		Samples Intact	
Y/N		Y/N		Y/N	

4

	Document Name: Air Sample Condition Upon Receipt	Document Revised: 26APR2016 Page 1 of 1
	Document No.: F-MN-A-106-rev.11	Issuing Authority: Pace Minnesota Quality Office

**Air Sample Condition  
Upon Receipt**

Client Name:

*SCS Engineers*

Project #:

**WO#: 10384640**



Courier: ☒ Fed Ex *Ground* ☐ UPS ☐ Speedee ☐ Client  
☐ Commercial ☐ Pace ☐ Other: \_\_\_\_\_

Tracking Number: *7300 9903 6259*

Optional: Proj. Due Date: \_\_\_\_\_ Proj. Name: \_\_\_\_\_

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

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Tin Can ☐ Other: \_\_\_\_\_

Temp Blank rec: ☐ Yes ☒ No

Temp. (TO17 and TO13 samples only) (°C): \_\_\_\_\_ Corrected Temp (°C): \_\_\_\_\_

Thermom. Used:

☐ B88A912167504  
☐ B88A0143310098

☐ 151401163  
☐ 151401464

Temp should be above freezing to 6°C Correction Factor: \_\_\_\_\_

Date & Initials of Person Examining Contents: *KAC 4-12-17*

Type of ice Received ☐ Blue ☐ Wet ☒ None

Comments:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Media: <i>Air Can</i> Airbag Filter TDT Passive		11.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.

Samples Received:

Canisters			Canisters		
Sample Number	Can ID	Flow Controller ID	Sample Number	Can ID	Flow Controller ID
<i>MD-1</i>	<i>PACE 0853</i>	<i>FC 1138</i>			
<i>MD-2</i>	<i>PACE 0450</i>	<i>FC 0834</i>			
<i>MD-3</i>	<i>PACE 2347</i>	<i>FC 1245</i>			

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Comments/Resolution: \_\_\_\_\_

Project Manager Review: *Sarah Ringer*

Date: *4/12/2017*

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)





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

## ANALYTICAL RESULTS

Client: SCS Engineers  
Phone: 830-644-2130

Lab Project Number: 10384640  
Project Name: 25212159.01 Hunn Family T Rev

Lab Sample No: 10384640001      ProjSampleNum: 10384640001      Date Collected: 04/10/17 16:40  
Client Sample ID: MD-1      Matrix: Air      Date Received: 04/12/17 10:45

Parameters	Results	Units	Report Limit	MDL	Analyzed	CAS No.	Ftnote
<b>Air</b>							
TO-15							
cis-1,2-Dichloroethene	<0.11	ppbv	0.35	0.11	04/20/17 16:46	EMC 156-59-2	
Tetrachloroethene	4.7	ppbv	0.17	0.071	04/20/17 16:46	EMC 127-18-4	
trans-1,2-Dichloroethene	<0.17	ppbv	0.35	0.17	04/20/17 16:46	EMC 156-60-5	
Trichloroethene	<0.088	ppbv	0.18	0.088	04/20/17 16:46	EMC 79-01-6	
Vinyl chloride	<0.13	ppbv	0.18	0.13	04/20/17 16:46	EMC 75-01-4	

DISCLAIMER: These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

## SUPPLEMENTAL REPORT

Units Conversion Request

Date: 4/26/2017

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

## ANALYTICAL RESULTS

Client: SCS Engineers  
Phone: 830-644-2130

Lab Project Number: 10384640  
Project Name: 25212159.01 Hunn Family T Rev

Lab Sample No: 10384640002      ProjSampleNum: 10384640002      Date Collected: 04/10/17 15:45  
Client Sample ID: MD-2      Matrix: Air      Date Received: 04/12/17 10:45

Parameters	Results	Units	Report Limit	MDL	Analyzed	CAS No.	Ftnote
<b>Air</b>							
TO-15							
cis-1,2-Dichloroethene	<0.11	ppbv	0.35	0.11	04/20/17 17:43 EMC	156-59-2	
Tetrachloroethene	9	ppbv	0.17	0.071	04/20/17 17:43 EMC	127-18-4	
trans-1,2-Dichloroethene	<0.17	ppbv	0.35	0.17	04/20/17 17:43 EMC	156-60-5	
Trichloroethene	0.11J	ppbv	0.18	0.088	04/20/17 17:43 EMC	79-01-6	
Vinyl chloride	<0.13	ppbv	0.18	0.13	04/20/17 17:43 EMC	75-01-4	

DISCLAIMER: These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

## SUPPLEMENTAL REPORT

Units Conversion Request

Date: 4/26/2017

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## ANALYTICAL RESULTS

Client: SCS Engineers  
Phone: 830-644-2130

Lab Project Number: 10384640  
Project Name: 25212159.01 Hunn Family T Rev

Lab Sample No: 10384640003      ProjSampleNum: 10384640003      Date Collected: 04/10/17 16:10  
Client Sample ID: MD-3      Matrix: Air      Date Received: 04/12/17 10:45

Parameters	Results	Units	Report Limit	MDL	Analyzed	CAS No.	Ftnote
<b>Air</b>							
TO-15							
cis-1,2-Dichloroethene	0.14J	ppbv	0.35	0.11	04/20/17 18:42	EMC 156-59-2	
Tetrachloroethene	24.5	ppbv	0.17	0.071	04/20/17 18:42	EMC 127-18-4	
trans-1,2-Dichloroethene	<0.17	ppbv	0.35	0.17	04/20/17 18:42	EMC 156-60-5	
Trichloroethene	1.8	ppbv	0.18	0.088	04/20/17 18:42	EMC 79-01-6	
Vinyl chloride	<0.13	ppbv	0.18	0.13	04/20/17 18:42	EMC 75-01-4	

DISCLAIMER: These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

## SUPPLEMENTAL REPORT

Units Conversion Request

Date: 4/26/2017

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**Fax: 612.607.6444**

## ANALYTICAL RESULTS

Client: SCS Engineers  
Phone: 830-644-2130

Lab Project Number: 10384640  
Project Name: 25212159.01 Hunn Family T Rev

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## PARAMETER FOOTNOTES

## SUPPLEMENTAL REPORT

Units Conversion Request

Date: 4/26/2017

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