

January 4, 2022
File No. 25221094.00

Mr. Matt Vitale
Wisconsin Department of Natural Resources
1300 W Clairemont Ave.
Eau Claire, WI 54701-6127

Subject: Site Investigation Status Update
Blackhawk Drycleaners
700 East Blackhawk Avenue
BRRTS #02-12-552357

Dear Mr. Vitale:

SCS Engineers (SCS) has prepared this Site Investigation Status Update for the Blackhawk Drycleaners site. Per our telephone call with you on October 25, 2021, the following additional site investigation work was performed:

- Requested access for vapor sampling at three homes surrounding the residence at 127 S. Dousman Street, where tetrachloroethene (PCE) was detected in a sub-slab sample at a concentration exceeding Wisconsin Department of Natural Resources (WDNR's) residential sub-slab vapor risk screening level (VRSL).
- Performed sub-slab and indoor air sampling at 201 S. Dousman Street and 615 E. Wisconsin Street. We were not able to gain access to the third home at 125 S. Dousman Street. SCS also re-sampled the home at 127 S. Dousman Street. Additional vapor sampling details are provided in **Attachment A** and summarized below.
- Performed routine groundwater sampling for volatile organic compounds (VOCs) and collected additional groundwater samples for per- and polyfluoroalkyl substances (PFAS) from monitoring wells which have shown prior enforcement standard (ES) exceedances for PCE (MW-2, MW-3, and MW-4). Samples were collected on December 13, 2021. A summary of groundwater sampling results will be provided in a subsequent update following receipt of analytical results.
- Evaluated PFAS use related to the Blackhawk Junction Mall. Additional details are provided below.

VAPOR SAMPLING

In December 2021, SCS re-sampled the 127 S. Dousman Street residence and collected samples from the homes to the south (201 S. Dousman Street) and west (615 E. Wisconsin Street) of 127 S. Dousman Street. Sample results for 127 S. Dousman Street were consistent with prior sampling performed in October 2021, and indicate that PCE is present in the sub-slab at a concentration exceeding the residential VRSL. Based on these findings we recommend that a vapor mitigation system be installed in the 127 S. Dousman Street residence.



Chlorinated volatile organic compounds (CVOCs) were not detected at concentrations exceeding residential indoor air vapor action levels (VALs) or sub-slab VRSLs for samples collected from homes at 201 S. Dousman Street or 615 E. Wisconsin Street. Based on these findings it appears that the off-site extent of vapor exceeding action levels is bound to the south by 201 S. Dousman Street and west by 615 E. Wisconsin Street, and that further vapor sampling in these directions is not necessary.

As indicated in our prior phone and email communications, we have not been able to acquire access to the home at 125 S. Dousman Street to evaluate the extent of CVOC vapors to the north of 127 S. Dousman Street. The owner received our initial written access request, dated November 2, 2021. We plan to send a second and final request to the owner. If access is not approved we plan to request access to the next home to the north at 123 S. Dousman Street.

PFAS EVALUATION

Based on the City's research, it does not appear that PFAS were used for the Blackhawk Junction Mall fire, or at the former car wash, which operated on the mall property. Based on these findings, it does not appear that additional sampling for PFAS is necessary for the fire or carwash.

Blackhawk Junction Fire

In April 2014 a fire destroyed approximately half of the main Blackhawk Junction Mall building. Based on the City's October 25, 2021 communications with fire chief Tad Beutin, PFAS-containing firefighting foam was not used for the fire.

Car Wash

A car wash operated at the northeast quadrant of the Blackhawk Junction property in the 1970s and 1980s. Based on the City's records review, it is assumed that wastewater from the car wash discharged to the sanitary sewer as there were no storm sewer lines near the facility. The car wash was demolished in 1984 and the former owner is deceased.

On November 11, 2021, the City contacted Marlene Dyer, the daughter of the former mall owner/developer (Elizabeth and Stuart Asche, both deceased), to learn more about the car wash operations. The Asches developed the mall property and were involved in operations of several businesses, including the car wash (Robo Wash). Ms. Dyer also operated a business at the mall for many years. Ms. Dyer said she was confident there weren't any spray waxes used at the Robo Wash. She said it was one of the first robotic car washes and spray waxes weren't an option back then. Based on the above-noted details, it appears very unlikely that PFAS were used or would've been discharged to the environment.

Based on the above-noted findings, we request your concurrence for the following:

- Installation of a vapor mitigation system is appropriate for 127 S. Dousman Street.
- No further vapor assessment is necessary for homes to the south or west of 127 S. Dousman Street.

Mr. Matt Vitale
January 4, 2022
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- No further PFAS assessment is warranted for the Blackhawk Junction Mall fire or former carwash facility.

Please contact Robert Langdon at (608) 212-3995 or rlangdon@SCSEngineers.com if you have any questions concerning this letter.

Sincerely,



Robert Langdon
Senior Project Manager
SCS Engineers



Mark R. Huber, PE
Project Director
SCS Engineers

REL/AJR_jsn/MRH

cc: Garth Frable, City of Prairie du Chien

Attachments: Attachment A – Site Investigation Sample Results Notification Form 4400-249 and Attachments

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Attachment A

Site Investigation Sample Results Notification Form 4400-249 and
Attachments

Notice: This form may be used to comply with the requirements of s. NR 716.14 (2), Wis. Adm. Code; however, use of this form is not required. An alternate format may be used. The rule requires that notification be provided to 1) property owners when someone else is conducting the sampling, 2) to occupants of property belonging to the responsible person, and 3) to owners and occupants of property that does not belong to the responsible person but has been affected by contamination arising on his or her property. Notification is required within 10 business days of receiving the sample results. Personal information collected will be used for program administration and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.].

NOTE: Under s. NR 716.14, Wis. Adm. Code, the responsible party must also submit sample results and other required information to the DNR. We recommend that copies of the sample results notifications be included with that submittal, along with all attachments. Using the same format used for data presentation for a closure request may be helpful to all parties. See s. NR 716.14, Wis. Adm. Code for the full list of information to be submitted to the DNR.

Notification of Property Owners and Occupants:

This notification form has been provided to you in order to provide the results of environmental sampling that has been conducted on property that you own or occupy. Samples were collected in accordance with the methods identified in the site investigation work plan, in accordance with s. NR. 716.09 and 716.13, Wis. Adm. Code. This sampling was conducted as a result of contamination originating at the following location.

Site Information

Site Name		DNR ID # (BRRTS #)	
Blackhawk Drycleaners		02-12-552357	
Address	City	State	ZIP Code
700 East Blackhawk Avenue	Prairie du Chien	WI	53821

Responsible Party

The person(s) responsible for completing this environmental investigation is:

Property Owner

Redevelopment Authority (RDA) of the City of Prairie du Chien

Address	City	State	ZIP Code
P.O. Box 324	Prairie du Chien	WI	53821
Contact Person	Phone Number (include area code)		
Chad Abram	(608) 326-6406		

Person or company that collected samples

SCS Engineers

Sample Results (Results Attached)

Reason for Sampling: Routine Other (define) Residential vapor intrusion assessment

The contaminants that have been identified at this time on property that you own or occupy include:

Contaminant	In Soil?		In Groundwater?	
	Yes	No	Yes	No
Gasoline	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Diesel or Fuel Oil	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Solvents	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Heavy Metals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pesticides	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

This sampling event included sampling of a drinking water well. <input type="radio"/> Yes <input checked="" type="radio"/> No
If yes, the sampled drinking water well had detectable contaminants. <input type="radio"/> Yes <input type="radio"/> No

Contaminants in Vapor

	Yes	No
Indoor Air	<input checked="" type="radio"/>	<input type="radio"/>
Sub-slab	<input checked="" type="radio"/>	<input type="radio"/>
Exterior Soil Gas	<input checked="" type="radio"/>	<input type="radio"/>

Site Investigation Sample Results Notification

Form 4400-249 (R 03/14)

Page 2 of 2

Attached are:

- A map that shows the locations from which samples were collected. (The map needs to meet the requirements of s. NR 716.15 (4), Wis. Adm. Code.)
- A data table with specific contaminant levels at each sample location and whether or not the sample results exceed state standards.
- A copy of the laboratory results.

You are not identified as the person that is responsible for this contamination. However, your cooperation is important. Property owners may become legally responsible for contamination if they do not allow access to the person that is responsible so that person may complete the environmental investigation and clean up activities.

Option for written exemption: You have the option of requesting a written liability exemption from the DNR for contamination that originated on another property, or on property that you lease. To do this, you must present an adequate environmental assessment of your property and pay a \$700 fee for review of this information. If you are interested in this option, please see DNR publication # RR 589, "When Contamination Crosses a Property Line - Rights and Responsibilities of Property Owners", available at: dnr.wi.gov/files/PDF/pubs/rr/rr589.pdf.

Contact Information

Please address questions regarding this notification, or requests for additional information to the contact person listed above, or to one of the following contacts:

Environmental Consultant

Company Name		Contact Person Last Name		First Name	
SCS Engineers		Langdon		Robert	
Address			City	State	ZIP Code
2830 Dairy Drive			Madison	WI	53718
Phone # (inc. area code)	Email				
(608) 212-3995	rlangdon@scsengineers.com				

Select which agency: Natural Resources Agriculture, Trade and Consumer Protection

State of Wisconsin Department of Natural Resources

Contact Person Last Name		First Name		Phone # (inc. area code)	
Vitale		Matt		(715) 492-1222	
Address			City	State	ZIP Code
1300 West Clairemont Avenue			Eau Claire	WI	54701-6127
Email					
Matthew.Vitale@wisconsin.gov					



127 S. Dousman St. →

615 E. Wisconsin St. →

201 S. Dousman St. →

LEGEND

—	SITE BOUNDARY	○	MANHOLE
- - -	FORMER DRY CLEANERS BUILDING (APPROXIMATE)	■	STORM INLET
—CTV—	CABLE TELEVISION (BURIED)	□	UTILITY POLE
—UE—	ELECTRIC (BURIED)	□	TELEPHONE PEDESTAL
—FO—	FIBER OPTIC (BURIED)	□	TRANSFORMER
—G—	GAS MAIN (BURIED)	○	FIRE HYDRANT
—OH—	OVERHEAD UTILITY	⊙	SOIL BORING (BAY WEST, 2020)
—SA—	SANITARY SEWER (BURIED)	⊕	SOIL BORING (AYRES, 2009/2010)
—ST—	STORM SEWER (BURIED)	■	MONITORING WELL (BAY WEST, 2020)
—T—	TELEPHONE (BURIED)	□	ABANDONED MONITORING WELL (ADVENT, 1991)
—W—	WATER MAIN (BURIED)	⊙	MONITORING WELL (SCS, 2020)
		⊕	PIEZOMETER (SCS, 2020)

- NOTES:**
1. SEPTEMBER 2018 AERIAL PHOTOGRAPH SOURCES: ESRI, DIGITALGLOBE, GEOEYE, I-CUBED, USDA FSA, USGS, AEX, GETMAPING, AERODIG, IGN, IGP, SWSTOPPO, AND THE GIS USER COMMUNITY.
 2. BAY WEST MONITORING WELLS AND AYRES AND BAY WEST SOIL BORINGS BASED ON BAY WEST FIGURE 1, SITE MAP WITH MONITORING WELL LOCATIONS DATED JANUARY 27, 2021.
 3. ABANDONED MONITORING WELLS (ADVENT) FROM ADVENT ENVIRONMENTAL SERVICES OVERLAY OF WELL LOCATION MAP DATED SEPTEMBER 13, 1991.
 4. UTILITY LOCATIONS FROM WIERBICHER EXISTING CONDITIONS DRAWING DATED MARCH 7, 2021, STORM SEWER SYSTEM DRAWING DATED MARCH 19, 2019, AND SANITARY LATERAL SYSTEM DRAWING DATED MARCH 2, 2020.
 5. BORING AND WELL LOCATIONS ARE APPROXIMATE.

Table 1. Sub-Slab Vapor Analytical Results Summary
Blackhawk Junction / SCS Engineers Project #25221094.00
 (Results are in $\mu\text{g}/\text{m}^3$)

Sample	Location	Date	Lab Notes	Tetrachloroethylene (PCE)	Trichloroethylene (TCE)	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
127 S. Dousman SB	127 S. Dousman Street	10/6/2021	--	<u>3,210</u>	3.0	<0.33	<0.29	<0.15
		12/3/2021	--	<u>3,940</u>	6.3	<0.32	<0.28	<0.14
201 S. Dousman SB	201 S. Dousman Street	12/3/2021	--	195	0.57 J	<0.33	<0.28	<0.15
615 E. Wisconsin SB	615 E. Wisconsin Street	12/3/2021	--	1,130	<0.34	<0.34	<0.29	<0.15
Vapor Risk Screening Level (Residential Building)				1,400	70	NE	1,400	56
Vapor Risk Screening Level (Small Commercial Building)				5,800	290	NE	5,800	930
Vapor Risk Screening Level (Large Commercial/Industrial Building)				18,000	880	NE	18,000	2,800

Abbreviations:

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

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

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

NE = Standard Not Established

-- = Not Applicable

Notes:

1. Sample collected in 6-liter summa canister over a 30-minute period and analyzed using the USEPA TO-15 analytical method.
2. Vapor Risk Screening Levels are from Wisconsin Department of Natural Resources Wisconsin Vapor Quick Look-Up Table dated September 2021.
3. **Bold+underlined** values meet or exceed Residential Vapor Risk Screening Levels.

Lab Notes/Qualifiers:

J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ).

Created by: REO
 Last revision by: JSN
 Checked by: LMH
 Proj Mgr QA/QC: REL

Date: 10/21/2021
 Date: 12/20/2021
 Date: 12/20/2021
 Date: 12/21/2021

Table 2. Indoor Air Analytical Results Summary
Blackhawk Junction / SCS Engineers Project #25221094.00
 (Results are in $\mu\text{g}/\text{m}^3$)

Sample	Location	Date	Lab Notes	Tetrachloroethylene (PCE)	Trichloroethylene (TCE)	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
127 S. Dousman IA	127 S. Dousman Street	10/6/2021	--	12.1	<0.29	<0.29	0.31 J	<0.13
		12/3/2021	--	23.2	<0.29	<0.28	<0.25	<0.13
201 S. Dousman IA	201 S. Dousman Street	12/3/2021	--	2.5	<0.34	<0.34	<0.30	<0.15
615 E. Wisconsin IA	615 E. Wisconsin Street	12/3/2021	--	6.0	<0.29	<0.29	<0.25	<0.13
Indoor Air Vapor Action Level (Residential Building)				42	2.1	NE	42	1.7
Indoor Air Vapor Action Level (Commercial/Industrial)				180	8.8	NE	180	28

Abbreviations:

$\mu\text{g}/\text{m}^3$ = micrograms per cubic meter
 trans-1,2-DCE = trans-1,2-dichloroethylene

cis-1,2-DCE = cis-1,2-dichloroethylene
 NE = Standard Not Established

-- = Not Applicable

Notes:

1. Sample collected in 6-liter summa canister over a 24-hour period and analyzed using the USEPA TO-15 analytical method.
2. Vapor Action Levels are from Wisconsin Department of Natural Resources Wisconsin Vapor Quick Look-Up Table dated September 2021.
3. **Bold+underlined** values meet or exceed Residential Vapor Action Levels.

Lab Notes/Qualifiers:

J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ).

Created by: REO
 Last revision by: JSN
 Checked by: LMH
 Proj Mgr QA/QC: REL

Date: 10/21/2021
 Date: 12/20/2021
 Date: 12/21/2021
 Date: 12/21/2021

December 16, 2021

Rob Langdon
SCS Engineers
2830 Dairy Dr.
Madison, WI 53718

RE: Project: 25221094.00 Blackhawk Junction
Pace Project No.: 10590316

Dear Rob Langdon:

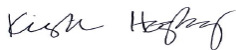
Enclosed are the analytical results for sample(s) received by the laboratory on December 07, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Minneapolis

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

Sincerely,



Kirsten Hogberg
kirsten.hogberg@pacelabs.com
(612)607-1700
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 25221094.00 Blackhawk Junction

Pace Project No.: 10590316

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab

A2LA Certification #: 2926.01*
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
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 #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064

Missouri Certification #: 10100
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 (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary 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*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
Please Note: Applicable air certifications are denoted with an asterisk ().

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SAMPLE SUMMARY

Project: 25221094.00 Blackhawk Junction

Pace Project No.: 10590316

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10590316001	127 S. Dousman St-IA	Air	12/03/21 10:57	12/07/21 11:50
10590316002	127 S. Dousman St-SB	Air	12/03/21 11:40	12/07/21 11:50

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SAMPLE ANALYTE COUNT

Project: 25221094.00 Blackhawk Junction
Pace Project No.: 10590316

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10590316001	127 S. Dousman St-IA	TO-15	AJA	5	PASI-M
10590316002	127 S. Dousman St-SB	TO-15	AJA	5	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

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SUMMARY OF DETECTION

Project: 25221094.00 Blackhawk Junction

Pace Project No.: 10590316

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
10590316001	127 S. Dousman St-IA					
TO-15	Tetrachloroethene	23.2	ug/m3	1.0	12/15/21 15:42	
10590316002	127 S. Dousman St-SB					
TO-15	Tetrachloroethene	3940	ug/m3	33.9	12/16/21 12:13	
TO-15	Trichloroethene	6.3	ug/m3	1.8	12/15/21 17:00	

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ANALYTICAL RESULTS

Project: 25221094.00 Blackhawk Junction

Pace Project No.: 10590316

Sample: 127 S. Dousman St-IA **Lab ID: 10590316001** Collected: 12/03/21 10:57 Received: 12/07/21 11:50 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Vinyl chloride	<0.13	ug/m3	0.76	0.13	1.46		12/15/21 15:42	75-01-4	
cis-1,2-Dichloroethene	<0.28	ug/m3	1.2	0.28	1.46		12/15/21 15:42	156-59-2	
Trichloroethene	<0.29	ug/m3	1.6	0.29	1.46		12/15/21 15:42	79-01-6	
Tetrachloroethene	23.2	ug/m3	1.0	0.43	1.46		12/15/21 15:42	127-18-4	
trans-1,2-Dichloroethene	<0.25	ug/m3	1.2	0.25	1.46		12/15/21 15:42	156-60-5	

Sample: 127 S. Dousman St-SB **Lab ID: 10590316002** Collected: 12/03/21 11:40 Received: 12/07/21 11:50 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
cis-1,2-Dichloroethene	<0.32	ug/m3	1.3	0.32	1.64		12/15/21 17:00	156-59-2	
trans-1,2-Dichloroethene	<0.28	ug/m3	1.3	0.28	1.64		12/15/21 17:00	156-60-5	
Tetrachloroethene	3940	ug/m3	33.9	14.4	49.2		12/16/21 12:13	127-18-4	
Trichloroethene	6.3	ug/m3	1.8	0.32	1.64		12/15/21 17:00	79-01-6	
Vinyl chloride	<0.14	ug/m3	0.85	0.14	1.64		12/15/21 17:00	75-01-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 25221094.00 Blackhawk Junction
Pace Project No.: 10590316

QC Batch: 789283 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10590316001, 10590316002

METHOD BLANK: 4200898 Matrix: Air

Associated Lab Samples: 10590316001, 10590316002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.20	0.81	12/15/21 11:14	
Tetrachloroethene	ug/m3	<0.29	0.69	12/15/21 11:14	
trans-1,2-Dichloroethene	ug/m3	<0.17	0.81	12/15/21 11:14	
Trichloroethene	ug/m3	<0.20	1.1	12/15/21 11:14	
Vinyl chloride	ug/m3	<0.087	0.52	12/15/21 11:14	

LABORATORY CONTROL SAMPLE: 4200899

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/m3	43.4	40.6	94	70-137	
Tetrachloroethene	ug/m3	73.4	70.5	96	70-130	
trans-1,2-Dichloroethene	ug/m3	43.6	42.7	98	70-130	
Trichloroethene	ug/m3	58.4	60.9	104	70-130	
Vinyl chloride	ug/m3	28	26.0	93	70-137	

SAMPLE DUPLICATE: 4202828

Parameter	Units	10590316001 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.28	<0.28		25	
Tetrachloroethene	ug/m3	23.2	23.6	2	25	
trans-1,2-Dichloroethene	ug/m3	<0.25	<0.25		25	
Trichloroethene	ug/m3	<0.29	<0.29		25	
Vinyl chloride	ug/m3	<0.13	<0.13		25	

SAMPLE DUPLICATE: 4202829

Parameter	Units	10590317001 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.29	<0.29		25	
Tetrachloroethene	ug/m3	6.0	5.5	9	25	
trans-1,2-Dichloroethene	ug/m3	<0.25	<0.25		25	
Trichloroethene	ug/m3	<0.29	<0.29		25	
Vinyl chloride	ug/m3	<0.13	<0.13		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: 25221094.00 Blackhawk Junction

Pace Project No.: 10590316

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, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 25221094.00 Blackhawk Junction

Pace Project No.: 10590316

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10590316001	127 S. Dousman St-IA	TO-15	789283		
10590316002	127 S. Dousman St-SB	TO-15	789283		

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.

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Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	Program
Company: <u>SCS Engineers</u>	Report To: <u>Robert Langdon SCS</u>	Attention: <u>Robert Langdon</u>	<input type="checkbox"/> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act
Address: <u>2830 Daisy Dr</u>	Copy To:	Company Name: <u>SCS</u>	<input type="checkbox"/> Voluntary Clean Up <input checked="" type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other
<u>Madison, WI</u>	Purchase Order No.:	Address: <u>2830 Daisy Dr, Madison, WI 53718</u>	Reporting Units
Email To: <u>rlangdon@scsengineers.com</u>	Project Name: <u>Blackhawk Junction</u>	Pace Quote Reference:	Location of Sampling by State: <u>WI</u>
Phone: <u>608 212 3995</u>	Project Number: <u>25221094.00</u>	Pace Project Manager/Sales Rep.: <u>Kirsten Hojberg</u>	ug/m ³ <input type="checkbox"/> mg/m ³ <input type="checkbox"/>
Requested Due Date/TAT: <u>standard</u>	Pace Profile #:		PPBV <input checked="" type="checkbox"/> PPMV <input type="checkbox"/>
			Other <input type="checkbox"/>
			Report Level I. <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> Other <input type="checkbox"/>


ITEM #	'Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE	COLLECTED	Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)	Summa Can Number	Flow Control Number	Method:								Pace Lab ID				
								COMPOSITE START		COMPOSITE - END/GRAB		PM10	SC - Fiked Gas (%)	TO-3 BTEX	TO-3M (Methane)		TO-14	TO-15 Full List (VOCs)	TO-15 Short List BTEX	TO-15 Short List Chlorinated
								DATE	TIME	DATE	TIME									
1	615 E. Wisconsin St - IA	6645	12/21/10 05:17	12/21/10 02:25	-1	3591	1029													
2	127 S. Dowsman St - IA	6640	12/21/10 12:00	12/21/10 10:57	-30	4149	02106										001			
3	201 S. Dowsman St - IA	6640	12/21/10 14:02	12/21/10 13:06	-28	2092	0879													
4	615 E. Wisconsin St - SB	6640	12/21/10 09:22	12/21/10 10:00	-30	0194	0925													
5	127 S. Dowsman St - SB	6640	12/21/10 11:07	12/21/10 11:40	-30	1196	2968										002			
6	201 S. Dowsman St - SB	6640	12/21/10 13:20	12/21/10 13:50	-21.5	1522	1588													

Comments: Analyze for:
PCE, TCE, cis & Trans
1,2 DCE and vinyl chloride

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
Robert Langdon / SCS	12/4	1200	Matt / Pace	12/7/21	11:50	-	Y/N	Y/N	Y/N	Y/N
							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		Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
PRINT Name of SAMPLER: <u>Robert Langdon</u>	DATE Signed (MM/DD/YY) <u>12/14/21</u>				

WO#: 10590316



10590316

Air Sample Condition Upon Receipt
 Client Name: SCS Eng. Project #: **WO# : 10590316**

Courier: FedEx UPS USPS Client
 Pace Speedee Commercial
 Tracking Number: 975384476341, 3526, 3537 See Exception
 Custody Seal on Cooler/Box Present? Yes No
 Seals Intact? Yes No
 Packing Material: Bubble Wrap Bubble Bags Foam
 None Tin Can Other: _____
 Date & Initials of Person Examining Contents: 12-7-21 mZ

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Comments:
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	1.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	2.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A 3.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	4.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	5.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	6.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	7.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	8.
(Tedlar bags not acceptable container for TO-15 or APH)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Containers Intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	10.
(visual inspection/no leaks when pressurized)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Media: <u>(Air Can)</u> Airbag			
Is sufficient information available to reconcile samples to the COC?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	11. Individually Certified Cans? Y <u>N</u> (list which samples)
Do cans need to be pressurized?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	12.
(DO NOT PRESSURIZE 3C or ASTM 1946!!!)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	13.

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
<u>127-1A</u>	<u>1490</u>	<u>2106</u>	<u>-2.5</u>	<u>+5</u>					
<u>11-SB</u>	<u>1196</u>	<u>2968</u>	<u>-5.5</u>	<u>+5</u>					

CLIENT NOTIFICATION/RESOLUTION
 Person Contacted: _____ Date/Time: _____ Field Data Required? Yes No
 Comments/Resolution: _____

Project Manager Review: Kirsten Hogberg Date: 12/8/2021
 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, LLC
 1700 Elm Street, Suite 200
 Minneapolis, MN 55414
 Phone: 612.607.1700
 Fax: 612.607.6444

ANALYTICAL RESULTS

Client: SCS Engineers	Lab Project Number: 10590316
Phone: 843.746.8525	Project Name: 25221094.00 Blackhawk Junction
Lab Sample No: 10590316001	ProjSampleNum: 10590316001
Client Sample ID: 127 S. Dousman St-IA	Matrix: Air
	Date Collected: 12/03/21 10:57
	Date Received: 12/07/21 11:50

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
Air							
TO-15							
cis-1,2-Dichloroethene	<0.069	ppbv	0.3	1.46	12/15/21 15:42	AJA 156-59-2	
Tetrachloroethene	3.4	ppbv	0.15	1.46	12/15/21 15:42	AJA 127-18-4	
trans-1,2-Dichloroethene	<0.062	ppbv	0.3	1.46	12/15/21 15:42	AJA 156-60-5	
Trichloroethene	<0.053	ppbv	0.29	1.46	12/15/21 15:42	AJA 79-01-6	
Vinyl chloride	<0.05	ppbv	0.29	1.46	12/15/21 15:42	AJA 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



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

ANALYTICAL RESULTS

Client: SCS Engineers
Phone: 843.746.8525

Lab Project Number: 10590316
Project Name: 25221094.00 Blackhawk Junction

PARAMETER FOOTNOTES

SUPPLEMENTAL REPORT

Units Conversion Request

Date: 12/16/2021

Page 3

December 16, 2021

Rob Langdon
SCS Engineers
2830 Dairy Dr.
Madison, WI 53718

RE: Project: 25221094.00 Blackhawk Junction
Pace Project No.: 10590312

Dear Rob Langdon:

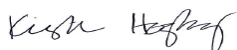
Enclosed are the analytical results for sample(s) received by the laboratory on December 07, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Minneapolis

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

Sincerely,



Kirsten Hogberg
kirsten.hogberg@pacelabs.com
(612)607-1700
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 25221094.00 Blackhawk Junction

Pace Project No.: 10590312

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414

A2LA Certification #: 2926.01*

1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009*

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014*

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137

Florida Certification #: E87605*

Georgia Certification #: 959

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 #: AI-03086*

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064*

Maryland Certification #: 322

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137*

Minnesota Dept of Ag Approval: via MN 027-053-137

Minnesota Petrofund Registration #: 1240*

Mississippi Certification #: MN00064

Missouri Certification #: 10100

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 (1700) #: CL101

Ohio VAP Certification (1800) #: CL110*

Oklahoma Certification #: 9507*

Oregon Primary 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*

Vermont Certification #: VT-027053137

Virginia Certification #: 460163*

Washington Certification #: C486*

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

USDA Permit #: P330-19-00208

Please Note: Applicable air certifications are denoted with an asterisk ().

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SAMPLE SUMMARY

Project: 25221094.00 Blackhawk Junction

Pace Project No.: 10590312

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10590312001	201 S. Dousman St-IA	Air	12/03/21 13:06	12/07/21 11:50
10590312002	201 S. Dousman St-SB	Air	12/03/21 13:50	12/07/21 11:50

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SAMPLE ANALYTE COUNT

Project: 25221094.00 Blackhawk Junction
Pace Project No.: 10590312

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10590312001	201 S. Dousman St-IA	TO-15	AJA	5	PASI-M
10590312002	201 S. Dousman St-SB	TO-15	AJA	5	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 25221094.00 Blackhawk Junction

Pace Project No.: 10590312

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
10590312001	201 S. Dousman St-IA					
TO-15	Tetrachloroethene	2.5	ug/m3	1.2	12/15/21 14:24	
10590312002	201 S. Dousman St-SB					
TO-15	Tetrachloroethene	195	ug/m3	1.2	12/15/21 15:03	
TO-15	Trichloroethene	0.57J	ug/m3	1.8	12/15/21 15:03	

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ANALYTICAL RESULTS

Project: 25221094.00 Blackhawk Junction

Pace Project No.: 10590312

Sample: 201 S. Dousman St-IA **Lab ID: 10590312001** Collected: 12/03/21 13:06 Received: 12/07/21 11:50 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
cis-1,2-Dichloroethene	<0.34	ug/m3	1.4	0.34	1.76		12/15/21 14:24	156-59-2	
trans-1,2-Dichloroethene	<0.30	ug/m3	1.4	0.30	1.76		12/15/21 14:24	156-60-5	
Tetrachloroethene	2.5	ug/m3	1.2	0.51	1.76		12/15/21 14:24	127-18-4	
Trichloroethene	<0.34	ug/m3	1.9	0.34	1.76		12/15/21 14:24	79-01-6	
Vinyl chloride	<0.15	ug/m3	0.92	0.15	1.76		12/15/21 14:24	75-01-4	

Sample: 201 S. Dousman St-SB **Lab ID: 10590312002** Collected: 12/03/21 13:50 Received: 12/07/21 11:50 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
cis-1,2-Dichloroethene	<0.33	ug/m3	1.4	0.33	1.68		12/15/21 15:03	156-59-2	
trans-1,2-Dichloroethene	<0.28	ug/m3	1.4	0.28	1.68		12/15/21 15:03	156-60-5	
Tetrachloroethene	195	ug/m3	1.2	0.49	1.68		12/15/21 15:03	127-18-4	
Trichloroethene	0.57J	ug/m3	1.8	0.33	1.68		12/15/21 15:03	79-01-6	
Vinyl chloride	<0.15	ug/m3	0.87	0.15	1.68		12/15/21 15:03	75-01-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 25221094.00 Blackhawk Junction
Pace Project No.: 10590312

QC Batch: 789283 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10590312001, 10590312002

METHOD BLANK: 4200898 Matrix: Air
Associated Lab Samples: 10590312001, 10590312002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.20	0.81	12/15/21 11:14	
Tetrachloroethene	ug/m3	<0.29	0.69	12/15/21 11:14	
trans-1,2-Dichloroethene	ug/m3	<0.17	0.81	12/15/21 11:14	
Trichloroethene	ug/m3	<0.20	1.1	12/15/21 11:14	
Vinyl chloride	ug/m3	<0.087	0.52	12/15/21 11:14	

LABORATORY CONTROL SAMPLE: 4200899

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/m3	43.4	40.6	94	70-137	
Tetrachloroethene	ug/m3	73.4	70.5	96	70-130	
trans-1,2-Dichloroethene	ug/m3	43.6	42.7	98	70-130	
Trichloroethene	ug/m3	58.4	60.9	104	70-130	
Vinyl chloride	ug/m3	28	26.0	93	70-137	

SAMPLE DUPLICATE: 4202828

Parameter	Units	10590316001 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.28	<0.28		25	
Tetrachloroethene	ug/m3	23.2	23.6	2	25	
trans-1,2-Dichloroethene	ug/m3	<0.25	<0.25		25	
Trichloroethene	ug/m3	<0.29	<0.29		25	
Vinyl chloride	ug/m3	<0.13	<0.13		25	

SAMPLE DUPLICATE: 4202829

Parameter	Units	10590317001 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.29	<0.29		25	
Tetrachloroethene	ug/m3	6.0	5.5	9	25	
trans-1,2-Dichloroethene	ug/m3	<0.25	<0.25		25	
Trichloroethene	ug/m3	<0.29	<0.29		25	
Vinyl chloride	ug/m3	<0.13	<0.13		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: 25221094.00 Blackhawk Junction

Pace Project No.: 10590312

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, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 25221094.00 Blackhawk Junction

Pace Project No.: 10590312

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10590312001	201 S. Dousman St-IA	TO-15	789283		
10590312002	201 S. Dousman St-SB	TO-15	789283		

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.

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Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	Program
Company: SCS Engineers Address: 2830 Dairy Dr, Madison, WI Email To: rlangdon@scsengineers.com Phone: 608.212.3995 Requested Due Date/TAT: standard	Report To: Robert Langdon SCS Copy To: Purchase Order No.: Project Name: Blackhawk Junction Project Number: 25221094.00	Attention: Robert Langdon Company Name: SCS Address: 2830 Dairy Dr, Madison, WI 53718 Pace Quote Reference: Pace Project Manager/Sales Rep: Kristen Hogberg Pace Profile #: 32630	<input type="checkbox"/> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act <input type="checkbox"/> Voluntary Clean Up <input checked="" type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other Reporting Units Location of Sampling by State: WI ug/m ³ <input type="checkbox"/> mg/m ³ <input type="checkbox"/> PPBV <input checked="" type="checkbox"/> PPMV <input type="checkbox"/> Other <input type="checkbox"/> Report Level II ___ III ___ IV ___ Other ___

ITEM #	'Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE	COLLECTED	Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)	Summa Can Number	Flow Control Number	Method:							Pace Lab ID		
								COMPOSITE START		COMPOSITE - END/GRAB		TO-15 Full List VOCs	TO-15 Short List	TO-15 Short List Chlorinated		TO-15 Short List (other)	
								DATE	TIME	DATE	TIME						PM10
1	615 E. Wisconsin St. - IA	62645	12/2/21 1005	12/3/21 902	-25	-1	3591	1029									
2	127 S. Dousman St. - IA	62640	12/2/21 1200	12/3/21 1057	-30	-4	1490	2106									
3	201 S. Dousman St. - IA	62640	12/2/21 1402	12/3/21 1306	-28	-18	2092	0879									001
4	615 E. Wisconsin St. - SB	62640	12/3/21 922	12/3/21 1000	-30	-8	0194	0925									
5	127 S. Dousman St. - SB	62640	12/3/21 1107	12/3/21 1140	-30	-8	1196	2968									
6	201 S. Dousman St. - SB	62640	12/3/21 1320	12/3/21 1350	-29.5	-6	1522	1588									002

Comments: Analyze for:
PCE, TCE, cis & Trans
1,2 DCE and vinyl chloride

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Robert Langdon / SCS	12/4	1200	Matt [Signature] / Pace	12/7/21	11:50	Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
						Y/N	Y/N	Y/N	Y/N
						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: Robert Langdon
 SIGNATURE of SAMPLER: [Signature]
 DATE Signed (MM/DD/YY): 12/14/21

Page 10 of 14

WO#: 10590312



Air Sample Condition Upon Receipt Client Name: SCS Eng. Project #: **WO#: 10590312**

Courier: FedEx UPS USPS Client
 Pace Speedee Commercial

PM: **KNH** Due Date: **12/14/21**
 CLIENT: **SCS Engineer**

Tracking Number: 975384476341, 3526, 3537 See Exception

Custody Seal on Cooler/Box Present? Yes No

Seals Intact? Yes No

Packing Material: Bubble Wrap Bubble Bags Foam
 None Tin Can Other: _____

Date & Initials of Person Examining Contents: 12-7-21 mZ

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		Comments:
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		1.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		2.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	3.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		4.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		5.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		6.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		7.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		8.
(Tedlar bags not acceptable container for TO-15 or APH)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Containers Intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		10.
(visual inspection/no leaks when pressurized)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Media: <u>(Air Can)</u> Airbag				11. Individually Certified Cans? Y <u>N</u> (list which samples)
Is sufficient information available to reconcile samples to the COC?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		12.
Do cans need to be pressurized? (DO NOT PRESSURIZE 3C or ASTM 1946!!!)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		13.

Gauge #: 10AIR26 10AIR34 10AIR35 10AIR17 10AIR47 10AIR48

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
<u>201-IA</u>	<u>2092</u>	<u>879</u>	<u>-18.5</u>	<u>+5</u>					
<u>11-SB</u>	<u>1522</u>	<u>1588</u>	<u>-6</u>	<u>+5</u>					

CLIENT NOTIFICATION/RESOLUTION
 Person Contacted: _____ Date/Time: _____ Field Data Required? Yes No
 Comments/Resolution: _____

Project Manager Review: Kirsten Hogberg Date: 12/8/2021
 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, LLC
 1700 Elm Street, Suite 200
 Minneapolis, MN 55414
 Phone: 612.607.1700
 Fax: 612.607.6444

ANALYTICAL RESULTS

Client: SCS Engineers Lab Project Number: 10590312
 Phone: 843.746.8525 Project Name: 25221094.00 Blackhawk Junction
 Lab Sample No: 10590312002 ProjSampleNum: 10590312002 Date Collected: 12/03/21 13:50
 Client Sample ID: 201 S. Dousman St-SB Matrix: Air Date Received: 12/07/21 11:50

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
Air							
TO-15							
cis-1,2-Dichloroethene	<0.082	ppbv	0.35	1.68	12/15/21 15:03	AJA 156-59-2	
Tetrachloroethene	28.3	ppbv	0.17	1.68	12/15/21 15:03	AJA 127-18-4	
trans-1,2-Dichloroethene	<0.069	ppbv	0.35	1.68	12/15/21 15:03	AJA 156-60-5	
Trichloroethene	0.1J	ppbv	0.33	1.68	12/15/21 15:03	AJA 79-01-6	
Vinyl chloride	<0.058	ppbv	0.33	1.68	12/15/21 15:03	AJA 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



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

ANALYTICAL RESULTS

Client: SCS Engineers
Phone: 843.746.8525

Lab Project Number: 10590312
Project Name: 25221094.00 Blackhawk Junction

PARAMETER FOOTNOTES

SUPPLEMENTAL REPORT

Units Conversion Request

Date: 12/16/2021

Page 3

December 16, 2021

Rob Langdon
SCS Engineers
2830 Dairy Dr.
Madison, WI 53718

RE: Project: 25221094.00 Blackhawk Junction
Pace Project No.: 10590317

Dear Rob Langdon:

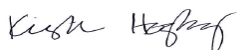
Enclosed are the analytical results for sample(s) received by the laboratory on December 07, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Minneapolis

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

Sincerely,



Kirsten Hogberg
kirsten.hogberg@pacelabs.com
(612)607-1700
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 25221094.00 Blackhawk Junction

Pace Project No.: 10590317

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab

A2LA Certification #: 2926.01*
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
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 #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064

Missouri Certification #: 10100
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 (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary 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*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
Please Note: Applicable air certifications are denoted with an asterisk ().

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SAMPLE SUMMARY

Project: 25221094.00 Blackhawk Junction

Pace Project No.: 10590317

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10590317001	615 E. Wisconsin St-IA	Air	12/03/21 09:02	12/07/21 11:50
10590317002	615 E. Wisconsin St-SB	Air	12/03/21 10:00	12/07/21 11:50
10590317003	UNUSED PACE0666	Air		12/07/21 11:50

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SAMPLE ANALYTE COUNT

Project: 25221094.00 Blackhawk Junction
Pace Project No.: 10590317

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10590317001	615 E. Wisconsin St-IA	TO-15	AJA	5	PASI-M
10590317002	615 E. Wisconsin St-SB	TO-15	AJA	5	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 25221094.00 Blackhawk Junction

Pace Project No.: 10590317

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
10590317001	615 E. Wisconsin St-IA					
TO-15	Tetrachloroethene	6.0	ug/m3	1.0	12/15/21 17:39	
10590317002	615 E. Wisconsin St-SB					
TO-15	Tetrachloroethene	1130	ug/m3	12.1	12/16/21 12:49	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25221094.00 Blackhawk Junction

Pace Project No.: 10590317

Sample: 615 E. Wisconsin St-IA **Lab ID: 10590317001** Collected: 12/03/21 09:02 Received: 12/07/21 11:50 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Vinyl chloride	<0.13	ug/m3	0.77	0.13	1.49		12/15/21 17:39	75-01-4	
cis-1,2-Dichloroethene	<0.29	ug/m3	1.2	0.29	1.49		12/15/21 17:39	156-59-2	
Trichloroethene	<0.29	ug/m3	1.6	0.29	1.49		12/15/21 17:39	79-01-6	
Tetrachloroethene	6.0	ug/m3	1.0	0.44	1.49		12/15/21 17:39	127-18-4	
trans-1,2-Dichloroethene	<0.25	ug/m3	1.2	0.25	1.49		12/15/21 17:39	156-60-5	

Sample: 615 E. Wisconsin St-SB **Lab ID: 10590317002** Collected: 12/03/21 10:00 Received: 12/07/21 11:50 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
cis-1,2-Dichloroethene	<0.34	ug/m3	1.4	0.34	1.75		12/15/21 18:57	156-59-2	
trans-1,2-Dichloroethene	<0.29	ug/m3	1.4	0.29	1.75		12/15/21 18:57	156-60-5	
Tetrachloroethene	1130	ug/m3	12.1	5.1	17.5		12/16/21 12:49	127-18-4	
Trichloroethene	<0.34	ug/m3	1.9	0.34	1.75		12/15/21 18:57	79-01-6	
Vinyl chloride	<0.15	ug/m3	0.91	0.15	1.75		12/15/21 18:57	75-01-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 25221094.00 Blackhawk Junction

Pace Project No.: 10590317

QC Batch: 789283

Analysis Method: TO-15

QC Batch Method: TO-15

Analysis Description: TO15 MSV AIR Low Level

Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10590317001, 10590317002

METHOD BLANK: 4200898

Matrix: Air

Associated Lab Samples: 10590317001, 10590317002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.20	0.81	12/15/21 11:14	
Tetrachloroethene	ug/m3	<0.29	0.69	12/15/21 11:14	
trans-1,2-Dichloroethene	ug/m3	<0.17	0.81	12/15/21 11:14	
Trichloroethene	ug/m3	<0.20	1.1	12/15/21 11:14	
Vinyl chloride	ug/m3	<0.087	0.52	12/15/21 11:14	

LABORATORY CONTROL SAMPLE: 4200899

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/m3	43.4	40.6	94	70-137	
Tetrachloroethene	ug/m3	73.4	70.5	96	70-130	
trans-1,2-Dichloroethene	ug/m3	43.6	42.7	98	70-130	
Trichloroethene	ug/m3	58.4	60.9	104	70-130	
Vinyl chloride	ug/m3	28	26.0	93	70-137	

SAMPLE DUPLICATE: 4202828

Parameter	Units	10590316001 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.28	<0.28		25	
Tetrachloroethene	ug/m3	23.2	23.6	2	25	
trans-1,2-Dichloroethene	ug/m3	<0.25	<0.25		25	
Trichloroethene	ug/m3	<0.29	<0.29		25	
Vinyl chloride	ug/m3	<0.13	<0.13		25	

SAMPLE DUPLICATE: 4202829

Parameter	Units	10590317001 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.29	<0.29		25	
Tetrachloroethene	ug/m3	6.0	5.5	9	25	
trans-1,2-Dichloroethene	ug/m3	<0.25	<0.25		25	
Trichloroethene	ug/m3	<0.29	<0.29		25	
Vinyl chloride	ug/m3	<0.13	<0.13		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: 25221094.00 Blackhawk Junction

Pace Project No.: 10590317

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, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 25221094.00 Blackhawk Junction

Pace Project No.: 10590317

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10590317001	615 E. Wisconsin St-IA	TO-15	789283		
10590317002	615 E. Wisconsin St-SB	TO-15	789283		

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.

50281

Page: 1 of 1

Section A Required Client Information: Company: SCS Engineers Address: 2830 Dairy Dr, Madison, WI Email To: rlangdon@scsengineers.com Phone: 608 212 3995 Requested Due Date/TAT: standard	Section B Required Project Information: Report To: Robert Langdon SCS Copy To: Purchase Order No.: Project Name: Blackhawk Junction Project Number: 25221094.00	Section C Invoice Information: Attention: Robert Langdon Company Name: SCS Address: 2830 Dairy Dr, Madison, WI 53718 Pace Quote Reference: Pace Project Manager/Sales Rep: Kirsten Hagberg Pace Profile #: 32630	Program <input type="checkbox"/> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act <input type="checkbox"/> Voluntary Clean Up <input checked="" type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other Location of Sampling by State: WI Reporting Units: ug/m ³ , mg/m ³ , PPBV, PPMV, Other Report Level: II, III, IV, Other
---	--	--	---

ITEM #	'Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes				COLLECTED				Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)	Summa Can Number	Flow Control Number	Method:								Pace Lab ID
		MEDIA	CODE	COMPOSITE START		COMPOSITE - END/GRAB		PM10	3C - Fixed Gas (%)					TO-9 BTEX	TO-11M (Methane)	TO-14	TO-15 Full List VOCs	TO-15 Short List BTEX	TO-15 Short List Chlorinated (other)			
		Tedlar Bag	TB	DATE	TIME	DATE	TIME															
1	615 E. Wisconsin St. - IA	66645		12/2/21	1005	12/3/21	902	-25	-1	3591	1029										001	
2	127 S. Dousman St. - IA	6660		12/2/21	1200	12/3/21	1057	-30	-4	1490	2106											
3	201 S. Dousman St. - IA	6660		12/2/21	1402	12/3/21	1306	-28	-18	2092	0879											
4	615 E. Wisconsin St. - SB	6660		12/3/21	922	12/3/21	1000	-30	-8	0194	0925										002	
5	127 S. Dousman St. - SB	6660		12/3/21	1107	12/3/21	1140	-30	-8	1196	2968											
6	201 S. Dousman St. - SB	6660		12/3/21	1320	12/3/21	1350	-215	-6	1522	1588											

Comments: Analyze for: PCE, TCE, cis & Trans 1,2 DCE and vinyl chloride	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
	Robert Langdon / SCS	12/4	1200	Matthew / SCS	12/7/21	11:50	-	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		Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
PRINT Name of SAMPLER: Robert Langdon SIGNATURE of SAMPLER: 	DATE Signed (MM/DD/YY) 12/4/21				

Page 10 of 14

WO#: 10590317

10590317

Air Sample Condition Upon Receipt Client Name: SCS Eng. Project #: _____

Courier: FedEx UPS USPS Client
 Pace Speedee Commercial

Tracking Number: 975384476341, 3526, 3537 See Exception

Custody Seal on Cooler/Box Present? Yes No

Seals Intact? Yes No

Packing Material: Bubble Wrap Bubble Bags Foam
 None Tin Can Other: _____

WO#: 10590317
 PM: KNH Due Date: 12/14/21
 CLIENT: SCS Engineer
 Date & Initials of Person Examining Contents: 12-7-21 MZ

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		2.
Chain of Custody Relinquished?	<input type="checkbox"/> Yes	<input type="checkbox"/> No		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		5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		8.
Correct Containers Used?				9.
(Tedlar bags not acceptable container for TO-15 or APH)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Containers Intact?				10.
(visual inspection/no leaks when pressurized)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Media: <u>(Air Can)</u> Airbag				11. Individually Certified Cans? Y <u>N</u> (list which samples)
Is sufficient information available to reconcile samples to the COC?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		12.
Do cans need to be pressurized? (DO NOT PRESSURIZE 3C or ASTM 1946!!!)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		13.

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
<u>615-IA</u>	<u>3591</u>	<u>1029</u>	<u>-3</u>	<u>+5</u>					
<u>11-SB</u>	<u>194</u>	<u>925</u>	<u>-7</u>	<u>+5</u>					
<u>Unused</u>	<u>666</u>	<u>-</u>	<u>-3</u>	<u>-</u>					

CLIENT NOTIFICATION/RESOLUTION Field Data Required? Yes No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: Kirsten Hogberg Date: 12/8/2021

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, LLC
 1700 Elm Street, Suite 200
 Minneapolis, MN 55414
 Phone: 612.607.1700
 Fax: 612.607.6444

ANALYTICAL RESULTS

Client: SCS Engineers Lab Project Number: 10590317
 Phone: 843.746.8525 Project Name: 25221094.00 Blackhawk Junction
 Lab Sample No: 10590317001 ProjSampleNum: 10590317001 Date Collected: 12/03/21 9:02
 Client Sample ID: 615 E. Wisconsin St-IA Matrix: Air Date Received: 12/07/21 11:50

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
Air							
TO-15							
cis-1,2-Dichloroethene	<0.072	ppbv	0.3	1.49	12/15/21 17:39	AJA 156-59-2	
Tetrachloroethene	0.87	ppbv	0.15	1.49	12/15/21 17:39	AJA 127-18-4	
trans-1,2-Dichloroethene	<0.062	ppbv	0.3	1.49	12/15/21 17:39	AJA 156-60-5	
Trichloroethene	<0.053	ppbv	0.29	1.49	12/15/21 17:39	AJA 79-01-6	
Vinyl chloride	<0.05	ppbv	0.3	1.49	12/15/21 17:39	AJA 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



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 Minneapolis, MN 55414
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 Fax: 612.607.6444

ANALYTICAL RESULTS

Client: SCS Engineers Lab Project Number: 10590317
 Phone: 843.746.8525 Project Name: 25221094.00 Blackhawk Junction
 Lab Sample No: 10590317002 ProjSampleNum: 10590317002 Date Collected: 12/03/21 10:00
 Client Sample ID: 615 E. Wisconsin St-SB Matrix: Air Date Received: 12/07/21 11:50

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
Air							
TO-15							
cis-1,2-Dichloroethene	<0.084	ppbv	0.35	1.75	12/15/21 18:57	AJA 156-59-2	
Tetrachloroethene	164	ppbv	1.8	17.5	12/16/21 12:49	AJA 127-18-4	
trans-1,2-Dichloroethene	<0.072	ppbv	0.35	1.75	12/15/21 18:57	AJA 156-60-5	
Trichloroethene	<0.062	ppbv	0.35	1.75	12/15/21 18:57	AJA 79-01-6	
Vinyl chloride	<0.058	ppbv	0.35	1.75	12/15/21 18:57	AJA 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



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ANALYTICAL RESULTS

Client: SCS Engineers
Phone: 843.746.8525

Lab Project Number: 10590317
Project Name: 25221094.00 Blackhawk Junction

PARAMETER FOOTNOTES

SUPPLEMENTAL REPORT

Units Conversion Request

Date: 12/16/2021

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