

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 #)	
Former Navistar/RMG Foundry		02-68-098404	
Address	City	State	ZIP Code
1401 Perkins Avenue	Waukesha	WI	53186

Responsible Party

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

Property Owner			
Navistar, Inc.			
Address	City	State	ZIP Code
2701 Navistar Drive	Lisle	IL	60532
Contact Person	Phone Number (include area code)		
Ferdinand Alido	(331) 332-6364		

Person or company that collected samples

KPRG and Associates, Inc.

Sample Results (Results Attached)

Reason for Sampling: Routine Other (define) Site Investigation

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 checked="" 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.
 Yes No

If yes, the sampled drinking water well had detectable contaminants.
 Yes No

Contaminants in Vapor

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

RECEIVED

MAR 02

BY: _____

K P R G

ENVIRONMENTAL CONSULTATION & REMEDIATION

KPRG and Associates, Inc.

February 24, 2021

Mr. Elliot Erickson
Property Owner
egreteight@comcast.net

SUBJECT: Transmittal of Air and Vapor Sampling Data
1231 The Strand – Heale Manufacturing

Dear Mr. Erickson,

As you are aware, in October 2019 KPRG and Associates, Inc. (KPRG) completed a high-volume purge method sub-slab vapor sampling program at the Heale Manufacturing facility located at 1231 The Strand in Waukesha, Wisconsin. This work was done as part of an ongoing, voluntary environmental investigation in the area proximal to the former Navistar/RMG foundry. All work is being completed under the direction and supervision of Wisconsin Department of Natural Resources (WDNR). The high-volume purge program included five high-volume extraction points identified as HM-HV-1 through HM-HV-5 on the attached Figure 1. The associated sub-slab vapor samples were analyzed for trichloroethene (TCE). The results of that sampling were provided to Heale Manufacturing in a letter dated November 4, 2019 and the data from that sampling are included in Attachment 1 for reference. In addition, one indoor air sample (IA-1), one outdoor air sample (OA-1) and two sub-slab vapor pin samples (VP-1 and VP-2) were collected from within the administrative portion of the facility (see Figure 1) on May 27, 2020 and analyzed for TCE. Those data were provided in a letter dated June 4, 2020 and are included in Tables 1 and 2.

WDNR's review of the high-volume purge data collected in 2019 stated that the data for the pressure field extension ports showed inconsistent response and therefore points to the vapor samples not being representative of the entire slab and in some cases preferentially drawing air from the exterior of the building. To further evaluate the sub-slab vapor conditions beneath the manufacturing portion of the facility, WDNR requested that individual vapor pins be installed and sampled to provide more reliable/representative data. KPRG developed a Work Plan dated February 4, 2021 to properly abandon/plug the high-volume purge sampling points and install five individual sub-slab vapor pins at each of those testing locations. On February 10, 2021, the high-volume purge points were abandoned and the new vapor pins installed in accordance with the Work Plan. The vapor pin installations were successfully tested for tightness using the helium shroud method. The vapor pin sampling points are identified as VP-3 through VP-7 on Figure 1.

On February 12, 2021, KPRG completed another round of air and sub-slab vapor sampling at the facility. This round included two indoor air samples (IA-1 and IA-2) and two sub-slab vapor samples (VP-1 and VP-2) within the administrative portion of the facility, an outdoor air sample (OA-1), and five sub-slab vapor samples within the manufacturing portion of the facility (VP-3

14665 West Lisbon Road, Suite 1A Brookfield, Wisconsin 53005 Telephone 262-781-0475 Facsimile 262-781-0478

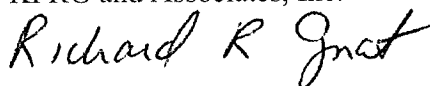
ILLINOIS • WISCONSIN • INDIANA

through VP-7). The sub-slab sampling equipment trains (i.e., tubing and connections) were successfully checked for tightness with shut-in tests. The sample locations are provided on Figure 1. All samples were analyzed for TCE. We have recently received that analytical data which are summarized in Tables 1 and 2 which include the WDNR Vapor Action Level (VAL) for indoor air and Vapor Risk Screening Level (VRSL) for sub-slab vapors assuming large commercial/industrial use. A review of the data results in the following observations:

- There were no exceedances of the large commercial/industrial VAL for TCE in any of the indoor air samples and there were no exceedances of the large commercial/industrial VRSL for TCE in any of the sub-slab vapor pin samples.
- The footnotes of Tables 1 and 2 also provide the small commercial use VAL and VRSL for TCE. There were no exceedances of those values as well during this sampling event.
- The relative distribution of sub-slab vapor concentrations from vapor pins VP-3 through VP-7 are consistent with the relative concentration distributions of TCE noted in the high-volume purge sampling completed in October 2019 (i.e., highest and lowest concentrations from the same areas between the two sampling events using two different sampling methods).

Based on this data, at this time it does not appear that the installation of a sub-slab depressurization system (SSDS) is warranted. We believe the WDNR will request another round of sampling to be scheduled for the Spring timeframe (April-May) when groundwater levels tend to be at their highest seasonal point. Thank you for allowing access to your property for this study. If you have any questions please call me at 262-781-0475. You can also contact the WDNR Project Manager, Mark Drews, with any questions at 414-207-2133.

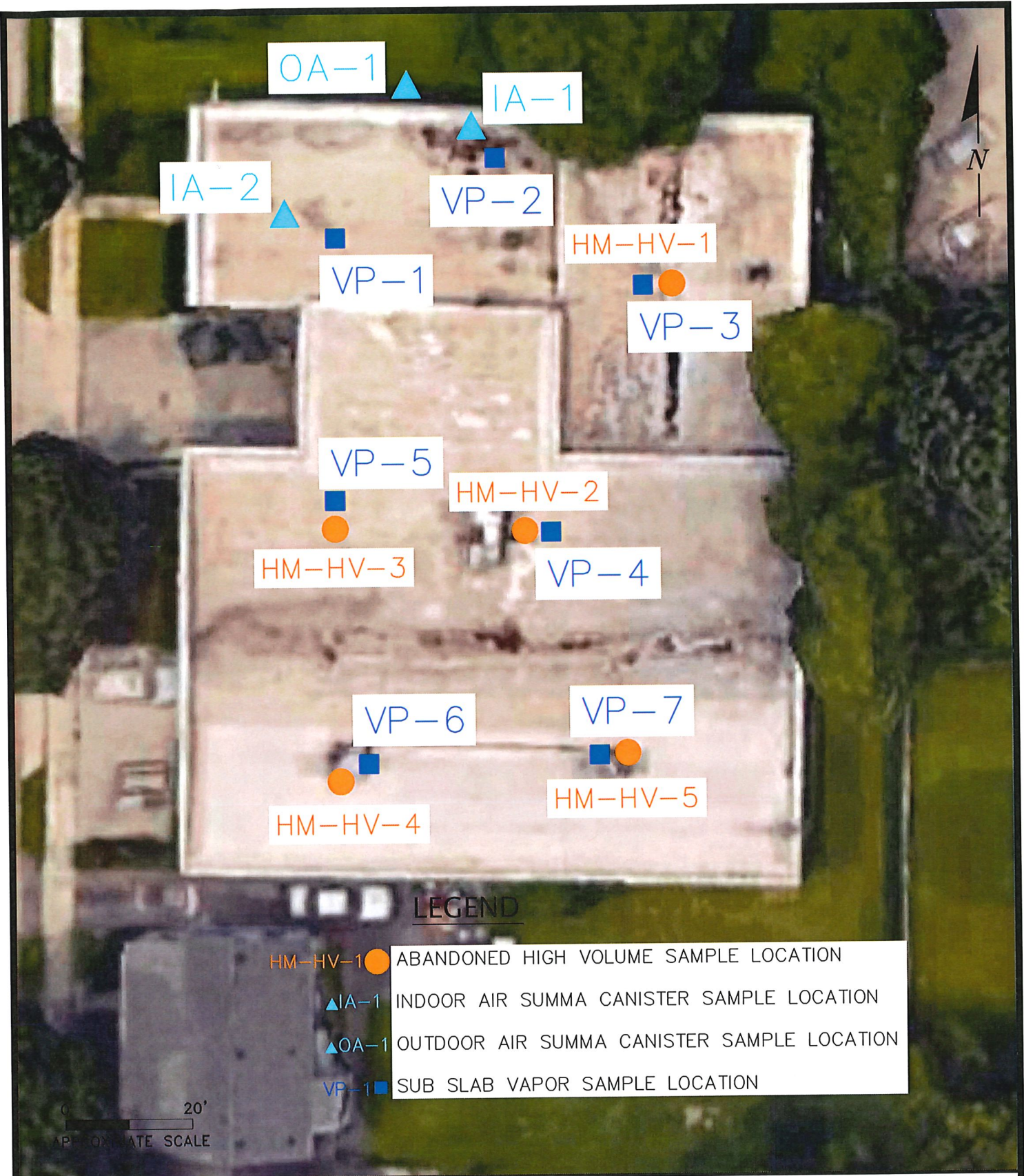
Sincerely,
KPRG and Associates, Inc.

 for

Patrick Allenstein, P.G.
Senior Geologist

Enclosures:

cc: Mark Drews, WDNR
James Walden, WDNR



LEGEND

- HM-HV-1 ● ABANDONED HIGH VOLUME SAMPLE LOCATION
- ▲ IA-1 INDOOR AIR SUMMA CANISTER SAMPLE LOCATION
- ▲ OA-1 OUTDOOR AIR SUMMA CANISTER SAMPLE LOCATION
- VP-1 SUB SLAB VAPOR SAMPLE LOCATION

20'
APPROXIMATE SCALE

ENVIRONMENTAL CONSULTATION & REMEDIATION

K P R G KPRG and Associates, inc.

14665 West Lisbon Road, Suite 1A Brookfield, Wisconsin 53005 Telephone 262-781-0475 Facsimile 262-781-0478
414 Plaza Drive, Suite 106 Westmont, Illinois 60559 Telephone 630-325-1300 Facsimile 630-325-1593

**HEALE MANUFACTURING VAPOR
SAMPLE LOCATION MAP**

RMG WAUKESHA FOUNDRY
1401 PERKINS AVE. WAUKESHA, WI

Scale: 1" = 20' | Date: February 24, 2021

KPRG Project No. 11717 | FIGURE 1

W:\Projects\Navistar\Navistar Drawings

Table 1. Heale Manufacturing (1231 The Strand), Indoor/Outdoor Air Sampling Analytical Results for TCE

Sample ID	WdNR Large Commercial/Industrial	IA-1		IA-2		OA-1	
		Parameter	Date	5/27/2020	2/12/2021	5/27/2020	2/12/2021
Trichloroethene	8.8	2.8	<0.30	NS	<0.31	0.39 J	<0.32

Notes: All values are in ug/m3.
 IA/OA - Indoor Air/Outdoor Air
 VAL - Vapor Action Level
 J - Estimated concentration below method detection limit but above instrument limit.
 NS - No sample

Note: VAL for small commercial same as for large commercial/industrial.

Table 2. Heale Manufacturing (1231 The Strand), Sub-slab Vapor Sampling Analytical Results for TCE

Sample ID	WdNR Large Commercial/Industrial	VP-1		VP-2		VP-3	VP-4	VP-5	VP-6	VP-7
		Parameter	Date	5/27/2020	2/12/2021	5/27/2020	2/12/2021	2/12/2021	2/12/2021	2/12/2021
Trichloroethene	880	24.7	0.42J	27	3.3	0.75J	16.1	8.5	36.1	254

Notes: All values are in ug/m3.
 VRSL - Vapor Risk Screening Level
 J - Estimated concentration below method detection limit but above instrument limit.

Note: VRSL for small commercial sub-slab vapor is 290 ug/m3.

ATTACHMENT 1
2019 High-Purge Sub-Slab Vapor Test Results

Table 1. Heale Manufacturing (1231 The Strand), Sub-slab Vapor Sampling Analytical Results for TCE

Sample ID	WDNR Industrial VRSL	HM-HV-1	HM-HV-2	HM-HV-3	HM-HV-4	HM-HV-5
Parameter	Date	Sub-Slab	10/23/2019	10/23/2019	10/23/2019	10/23/2019
Trichloroethene	880	61.1	70.6	31.8	104	475

Notes: All values are in ug/m³.
 VRSL - Vapor Risk Screening Level

104 - Result exceeds the VRSL



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

February 23, 2021

Richard Gnat
KPRG and Associates
14665 W. Lisbon Rd.
Suite 1A
Brookfield, WI 53005

RE: Project: 11717 Navistar
Pace Project No.: 10548054

Dear Richard Gnat:

Enclosed are the analytical results for sample(s) received by the laboratory on February 16, 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

cc: Patrick Allenstein, KPRG and Associates
Tim Stohner, KPRG and Associates



REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: 11717 Navistar

Pace Project No.: 10548054

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 Certification #: via MN 027-053-137

Minnesota Petrofund Certification #: 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 (*).

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 11717 Navistar
Pace Project No.: 10548054

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10548054001	1231 The Strand IA-1	Air	02/12/21 10:24	02/16/21 16:15
10548054002	1231 The Strand IA-2	Air	02/12/21 10:26	02/16/21 16:15
10548054003	1231 The Strand OA-1	Air	02/12/21 10:21	02/16/21 16:15
10548054004	1231 The Strand VP-1	Air	02/12/21 11:33	02/16/21 16:15
10548054005	1231 The Strand VP-2	Air	02/12/21 11:23	02/16/21 16:15
10548054006	1231 The Strand VP-3	Air	02/12/21 13:18	02/16/21 16:15
10548054007	1231 The Strand VP-4	Air	02/12/21 13:12	02/16/21 16:15
10548054008	1231 The Strand VP-5	Air	02/12/21 13:07	02/16/21 16:15
10548054009	1231 The Strand VP-6	Air	02/12/21 13:02	02/16/21 16:15
10548054010	1231 The Strand VP-7	Air	02/12/21 13:04	02/16/21 16:15

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 11717 Navistar
Pace Project No.: 10548054

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10548054001	1231 The Strand IA-1	TO-15	MLS	1
10548054002	1231 The Strand IA-2	TO-15	MLS	1
10548054003	1231 The Strand OA-1	TO-15	MLS	1
10548054004	1231 The Strand VP-1	TO-15	MLS	1
10548054005	1231 The Strand VP-2	TO-15	MLS	1
10548054006	1231 The Strand VP-3	TO-15	MLS	1
10548054007	1231 The Strand VP-4	TO-15	MLS	1
10548054008	1231 The Strand VP-5	TO-15	MLS	1
10548054009	1231 The Strand VP-6	TO-15	MLS	1
10548054010	1231 The Strand VP-7	TO-15	MLS	1

PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 11717 Navistar
 Pace Project No.: 10548054

Sample: 1231 The Strand IA-1 Lab ID: 10548054001 Collected: 02/12/21 10:24 Received: 02/16/21 16:15 Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15 Pace Analytical Services - Minneapolis									
Trichloroethene	<0.30	ug/m3	0.79	0.30	1.44		02/22/21 18:29	79-01-6	

Sample: 1231 The Strand IA-2 Lab ID: 10548054002 Collected: 02/12/21 10:26 Received: 02/16/21 16:15 Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15 Pace Analytical Services - Minneapolis									
Trichloroethene	<0.31	ug/m3	0.81	0.31	1.49		02/22/21 19:23	79-01-6	

Sample: 1231 The Strand OA-1 Lab ID: 10548054003 Collected: 02/12/21 10:21 Received: 02/16/21 16:15 Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15 Pace Analytical Services - Minneapolis									
Trichloroethene	<0.32	ug/m3	0.84	0.32	1.53		02/22/21 20:16	79-01-6	

Sample: 1231 The Strand VP-1 Lab ID: 10548054004 Collected: 02/12/21 11:33 Received: 02/16/21 16:15 Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15 Pace Analytical Services - Minneapolis									
Trichloroethene	0.42J	ug/m3	0.96	0.37	1.75		02/22/21 20:43	79-01-6	

Sample: 1231 The Strand VP-2 Lab ID: 10548054005 Collected: 02/12/21 11:23 Received: 02/16/21 16:15 Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15 Pace Analytical Services - Minneapolis									
Trichloroethene	3.3	ug/m3	0.92	0.35	1.68		02/22/21 21:10	79-01-6	

REPORT OF LABORATORY ANALYSIS

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



ANALYTICAL RESULTS

Project: 11717 Navistar
 Pace Project No.: 10548054

Sample: 1231 The Strand VP-3 Lab ID: 10548054006 Collected: 02/12/21 13:18 Received: 02/16/21 16:15 Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15 Pace Analytical Services - Minneapolis									
Trichloroethene	0.75J	ug/m3	1.3	0.49	2.35		02/23/21 12:52	79-01-6	

Sample: 1231 The Strand VP-4 Lab ID: 10548054007 Collected: 02/12/21 13:12 Received: 02/16/21 16:15 Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15 Pace Analytical Services - Minneapolis									
Trichloroethene	16.1	ug/m3	1.0	0.40	1.92		02/22/21 22:04	79-01-6	

Sample: 1231 The Strand VP-5 Lab ID: 10548054008 Collected: 02/12/21 13:07 Received: 02/16/21 16:15 Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15 Pace Analytical Services - Minneapolis									
Trichloroethene	8.5	ug/m3	0.73	0.28	1.34		02/22/21 22:31	79-01-6	

Sample: 1231 The Strand VP-6 Lab ID: 10548054009 Collected: 02/12/21 13:02 Received: 02/16/21 16:15 Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15 Pace Analytical Services - Minneapolis									
Trichloroethene	36.1	ug/m3	0.88	0.34	1.61		02/22/21 22:58	79-01-6	

Sample: 1231 The Strand VP-7 Lab ID: 10548054010 Collected: 02/12/21 13:04 Received: 02/16/21 16:15 Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15 Pace Analytical Services - Minneapolis									
Trichloroethene	254	ug/m3	9.0	3.5	16.5		02/23/21 13:17	79-01-6	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 11717 Navistar
Pace Project No.: 10548054

QC Batch:	726134	Analysis Method:	TO-15
QC Batch Method:	TO-15	Analysis Description:	TO15 MSV AIR Low Level
		Laboratory:	Pace Analytical Services - Minneapolis
Associated Lab Samples:	10548054001, 10548054002, 10548054003, 10548054004, 10548054005, 10548054007, 10548054008, 10548054009		

METHOD BLANK:	3869560	Matrix:	Air
Associated Lab Samples:	10548054001, 10548054002, 10548054003, 10548054004, 10548054005, 10548054007, 10548054008, 10548054009		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichloroethene	ug/m3	<0.21	0.55	02/22/21 16:43	

LABORATORY CONTROL SAMPLE:	3869561					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Trichloroethene	ug/m3	56.7	64.6	114	70-130	

SAMPLE DUPLICATE:	3869933					
Parameter	Units	10548054001 Result	Dup Result	RPD	Max RPD	Qualifiers
Trichloroethene	ug/m3	<0.30	<0.30		25	

SAMPLE DUPLICATE:	3869934					
Parameter	Units	10548054002 Result	Dup Result	RPD	Max RPD	Qualifiers
Trichloroethene	ug/m3	<0.31	<0.31		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

QUALITY CONTROL DATA

Project: 11717 Navistar
Pace Project No.: 10548054

QC Batch: 726262	Analysis Method: TO-15
QC Batch Method: TO-15	Analysis Description: TO15 MSV AIR Low Level
	Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10548054006, 10548054010

METHOD BLANK: 3870347 Matrix: Air
Associated Lab Samples: 10548054006, 10548054010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichloroethene	ug/m3	<0.21	0.55	02/23/21 08:45	

LABORATORY CONTROL SAMPLE: 3870348

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Trichloroethene	ug/m3	56.3	57.7	102	70-130	

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

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

QUALIFIERS

Project: 11717 Navistar
Pace Project No.: 10548054

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

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 11717 Navistar
Pace Project No.: 10548054

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10548054001	1231 The Strand IA-1	TO-15	726134		
10548054002	1231 The Strand IA-2	TO-15	726134		
10548054003	1231 The Strand OA-1	TO-15	726134		
10548054004	1231 The Strand VP-1	TO-15	726134		
10548054005	1231 The Strand VP-2	TO-15	726134		
10548054006	1231 The Strand VP-3	TO-15	726262		
10548054007	1231 The Strand VP-4	TO-15	726134		
10548054008	1231 The Strand VP-5	TO-15	726134		
10548054009	1231 The Strand VP-6	TO-15	726134		
10548054010	1231 The Strand VP-7	TO-15	726262		

REPORT OF LABORATORY ANALYSIS

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



Document Name:
Sample Condition Upon Receipt (SCUR) - Air
 Document No.:
ENV-FRM-MIN4-0113 Rev.00

Document Revised: 24Mar2020
Page 1 of 1
 Pace Analytical Services -
 Minneapolis

Air Sample Condition Upon Receipt

Client Name: **KPRG**

Project #:

WO# : 10548054

Courier: Fed Ex UPS USPS Client
 Pace SpeedDee Commercial See Exception

PM: **KNH** Due Date: **02/23/21**
 CLIENT: **KPRG**

Tracking Number: **1723 2549 4568**

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): _____ Thermometer Used: G87A9170600254

Temp should be above freezing to 6°C Correction Factor: _____ Date & Initials of Person Examining Contents: **M 21621**

Type of ice Received Blue Wet None

Comments:

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 checked="" 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? (Tedlar bags not acceptable container for TO-14, 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? (visual inspection/no leaks when pressurized)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Media: <input checked="" type="checkbox"/> Air Can <input type="checkbox"/> Airbag <input type="checkbox"/> Filter <input type="checkbox"/> TDT <input type="checkbox"/> Passive		11. Individually Certified Cans Y <input checked="" type="checkbox"/> N ^o (list which samples)
Is sufficient information available to reconcile samples to the COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12. <i>No trace on tag OA-1</i>
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 4097

Canisters

Canisters

Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
FA-1	365	1417	-2	5	VP-6	3482	1829	-5	5
2	1616	137	-3	↓	7	310	2001	-6	5
OA-1	2035	741	1						
VP-1	1722	1609	-7						
2	698	1634	-6						
3	3988	2376	-7						
4	635	1678	-9						
5	532	2580	0						

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? Yes No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review:

Kirsten Hooper

Date: **2/17/2021**

Page 12 of 13

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)

