

K P R G

ENVIRONMENTAL CONSULTATION & REMEDIATION

KPRG and Associates, Inc.

TRANSMITTAL LETTER

September 9, 2021

Mr. Mark Drews, P.G.
Wisconsin Department of Natural Resources
141 NW Barstow Street, Room 180
Waukesha, WI 53188

VIA E-MAIL and U.S. MAIL

KPRG Project No. 11717

Re: Contained-Out Determination Request
Former Navistar/RMG Foundry - 1401 Perkins Avenue, Waukesha, WI
BRRTS # 02-68-098404

Dear Mr. Drews:

As you are aware, Navistar, Inc. (Navistar) and KPRG and Associates, Inc. (KPRG) are in the process of implementing the Wisconsin Department of Natural Resources (WDNR) approved Interim Remedial Action Plans (IRAPS) for the South Parking Lot and Southwest Parking Lot remediations at the above referenced site. As part of waste profiling, the landfill has requested we received a Contained-Out Determination from WDNR to facilitate disposal of low level trichloroethene (TCE) impacted soils as non-hazardous solid waste. Attached is the completed Form 4430-019 along with associated back-up. A review fee of \$700 will also be sent in to cover the request.

Navistar and KPRG are continuing with the implementation of the agreed upon site remediation work. If there are any questions, please contact Ferdinand Alido of Navistar at 331-332-6364 or Richard Gnat of KPRG at 262-781-0475.

Sincerely,
KPRG and Associates, Inc.



Richard R. Gnat, P.G.
Principal

Cc: Ferdinand Alido, Navistar, Inc.
Timothy Stohner, P.E., KPRG

Notice: This voluntary form is intended as an aid for use by Generators and Responsible Parties in determining whether *contaminated soil or groundwater and wastes* encountered or generated during the remediation of contaminated sites in Wisconsin are or would be listed or characteristic hazardous wastes subject to regulation under ch. 291, Wis. Stats. and chs. NR 600 to 690, Wis. Adm. Code. There are no penalties for failure to provide information requested. Personally identifiable information collected will be used for program management. Wisconsin's Open Records law requires the Department to provide this information upon request [ss. 19.31 - 19.69, Wis. Stats.].

Listing determinations are often particularly difficult in the remedial context because the listings are generally identified by the sources of the hazardous wastes rather than the concentrations of various hazardous constituents. Therefore, analytical testing alone, without information on a waste's source, will not generally produce information that will conclusively indicate whether a given waste is a listed hazardous waste. Generators and Responsible Parties should use available site information such as material safety data sheets (MSDS's), manifests, vouchers, bills of lading, sales and inventory records, accident reports, spill reports, inspection reports, and other available information. It may also be necessary to conduct interviews of current or former personnel who would have knowledge of the processes and hazardous materials used including waste handling or past spills in an effort to ascertain the sources of wastes or contaminants.

Where a person makes a good faith effort to determine if a material is a listed hazardous waste but cannot make such a determination because documentation regarding a source of contamination, contaminant, or waste is unavailable or inconclusive, EPA has stated that one may assume the source, contaminant or waste is not listed hazardous waste and, therefore, provided the material in question does not exhibit a characteristic of hazardous waste, RCRA requirements do not apply.

Generator Information

Generator's Name Navistar, Inc.	Preparer's Name Richard Gnat - KPRG and Associates, Inc.
Address 2701 Navistar Dr.	Address 14665 W. Lisbon Rd., Suite 1A
City, State and ZIP Code Lisle, IL 60532	City, State and ZIP Code Brookfield, WI 53005
Telephone Number 331-332-6364	Telephone Number 262-781-0475

Site Information

Site Name Former Navistar/RMG Foundry	Other name(s) site is known by
Address 1401 Perkins Ave.	County Waukesha
Located in the City, Town or Village ZIP Code Waukesha 53186	

Hazardous Waste Determination Information Reviewed

Listed Hazardous Waste Determination

Manifests reviewed <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None Found <input checked="" type="checkbox"/> None Available	Vouchers reviewed <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None Found <input checked="" type="checkbox"/> None Available
Bills of lading reviewed <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None Found <input checked="" type="checkbox"/> None Available	Sales and inventory records reviewed <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None Found <input checked="" type="checkbox"/> None Available
Material safety data sheets <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None Found <input checked="" type="checkbox"/> None Available	Accident reports reviewed <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None Found <input checked="" type="checkbox"/> None Available
Spill reports reviewed <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None Found <input checked="" type="checkbox"/> None Available	Inspection reports reviewed <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None Found <input checked="" type="checkbox"/> None Available
DNR's case files reviewed <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None Found <input type="checkbox"/> None Available	Interviewed current and/or former employees who are likely to know about the use and/or disposal of the chemical or waste of concern (not just managers). <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> None Found <input type="checkbox"/> None Available

Hazardous Waste Determination Information Reviewed (continued)

Other information considered (provide description) Yes No None Found None Available

Site investigation work identified several areas requiring remedial action. The remedial actions for the South Parking Lot and Southwest Parking Lot will include the excavation, transport and disposal of trichloroethene (TCE) impacted fill/soil. The source of TCE relative to former plant operations is uncertain or not known whether may be spilled material, waste or other source. Soil sampling data for VOCs, metals, and PAHs as well as waste characterization sampling data indicates the materials to be excavated for off-site landfill disposal qualify as non-hazardous relative to characteristic. Landfill requests that a formal Coinatined-Out determination be issued by WDNR.

Characteristic Hazardous Waste Determination

Identified location(s)	Testing results
Maps attached of the waste characterization sampling locations. These samples were targeted from the highest impact areas found during site investigation work.	See attached lab data package.

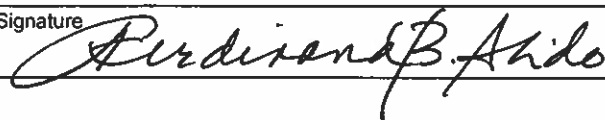
Certification

I certify that the information documented above in the "Information reviewed to make a hazardous waste determination" section was developed and used as part of a good faith effort to make a hazardous waste determination. Reasonable diligence was used in collecting the information, evaluating the information, and using the compiled information. I certify that this document is true and correct to the best of my knowledge, and that I have authority to make this certification.

Name and Title

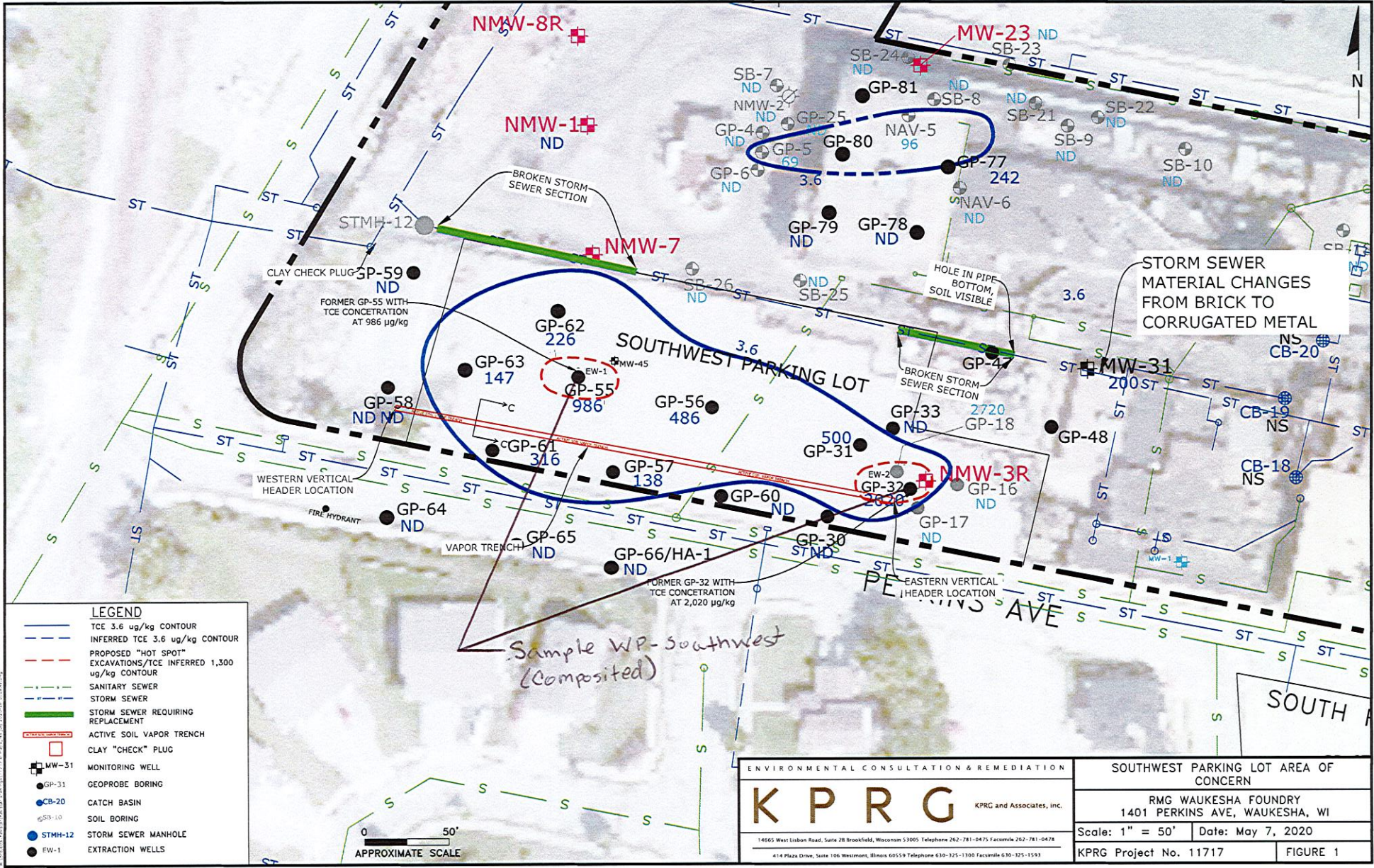
Ferdinand Alido Manager, Environmental Affairs

Signature



Date

9/9/21



NMW-8R

NMW-1
ND

NMW-7

MW-23 ND

SOUTHWEST PARKING LOT

NMW-3R

Sample WP-Southwest
(Composited)

STORM SEWER MATERIAL CHANGES FROM BRICK TO CORRUGATED METAL

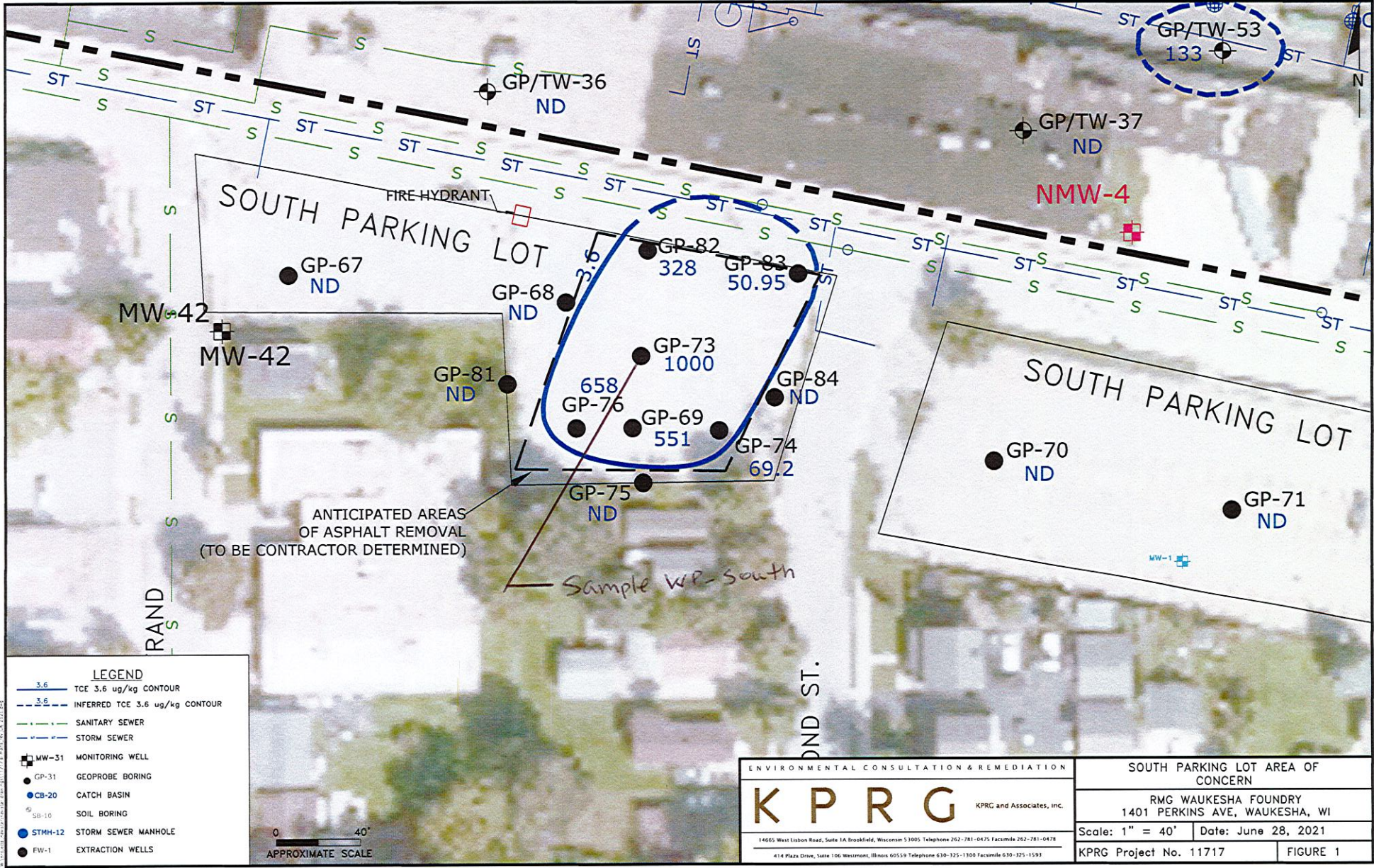
CLAY CHECK PLUG GP-59 ND
 FORMER GP-55 WITH TCE CONCENTRATION AT 986 µg/kg

FORMER GP-32 WITH TCE CONCENTRATION AT 2,020 µg/kg

WESTERN VERTICAL HEADER LOCATION

EASTERN VERTICAL HEADER LOCATION

0 50' APPROXIMATE SCALE



SOUTH PARKING LOT

SOUTH PARKING LOT

MW-42
MW-42

ANTICIPATED AREAS
OF ASPHALT REMOVAL
(TO BE CONTRACTOR DETERMINED)

Sample WP-South

NMW-4

GP/TW-36
ND

GP/TW-37
ND

GP/TW-53
133

GP-67
ND

GP-68
ND

GP-73
1000

GP-82
328

GP-83
50.95

GP-81
ND

GP-76
658

GP-69
551

GP-84
ND

GP-74
69.2

GP-75
ND

GP-70
ND

GP-71
ND

MW-1

RAND

DND ST.

FIRE HYDRANT

IS

N

August 19, 2021

Rich Gnat
KPRG AND ASSOCIATES, INC.
14665 W. Lisbon Road
Suite 1A
Brookfield, WI 53005

RE: Project: 11717 FORMER RMG/NAVISTAR
Pace Project No.: 40231607

Dear Rich Gnat:

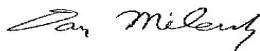
Enclosed are the analytical results for sample(s) received by the laboratory on August 13, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise 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 - Green Bay

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Josh Davenport, KPRG and Associates, Inc.



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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CERTIFICATIONS

Project: 11717 FORMER RMG/NAVISTAR

Pace Project No.: 40231607

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 11717 FORMER RMG/NAVISTAR
Pace Project No.: 40231607

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40231607001	WP-SOUTHWEST	Solid	08/12/21 09:00	08/13/21 07:20
40231607002	WP-SOUTH	Solid	08/12/21 09:30	08/13/21 07:20

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SAMPLE ANALYTE COUNT

Project: 11717 FORMER RMG/NAVISTAR

Pace Project No.: 40231607

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40231607001	WP-SOUTHWEST	EPA 8082	BLM	10	PASI-G
		EPA 6010D	TXW	10	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270E	RJN	17	PASI-G
		EPA 8260	MDS	65	PASI-G
		EPA 8260	SMT	13	PASI-G
		ASTM D2974-87	SRK	1	PASI-G
40231607002	WP-SOUTH	EPA 8082	BLM	10	PASI-G
		EPA 6010D	TXW	10	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270E	RJN	17	PASI-G
		EPA 8260	MDS	65	PASI-G
		EPA 8260	SMT	13	PASI-G
		ASTM D2974-87	SRK	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 11717 FORMER RMG/NAVISTAR

Pace Project No.: 40231607

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40231607001	WP-SOUTHWEST					
EPA 6010D	Arsenic	0.011J	mg/L	0.025	08/18/21 09:19	
EPA 6010D	Barium	0.42	mg/L	0.0050	08/18/21 09:19	
EPA 6010D	Cadmium	0.0020J	mg/L	0.0050	08/18/21 09:19	
EPA 6010D	Copper	0.0065J	mg/L	0.010	08/18/21 09:19	
EPA 6010D	Lead	0.0074J	mg/L	0.020	08/18/21 09:19	
EPA 6010D	Nickel	0.0088J	mg/L	0.010	08/18/21 09:19	
EPA 6010D	Zinc	0.12	mg/L	0.040	08/18/21 09:19	
EPA 8260	Trichloroethene	86.0	ug/kg	73.6	08/17/21 12:38	
ASTM D2974-87	Percent Moisture	19.1	%	0.10	08/16/21 10:35	
40231607002	WP-SOUTH					
EPA 6010D	Barium	0.32	mg/L	0.0050	08/18/21 09:29	
EPA 6010D	Nickel	0.0061J	mg/L	0.010	08/18/21 09:29	
EPA 6010D	Zinc	0.023J	mg/L	0.040	08/18/21 09:29	
EPA 8260	Trichloroethene	845	ug/kg	66.7	08/17/21 12:58	
ASTM D2974-87	Percent Moisture	14.3	%	0.10	08/16/21 10:36	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 FORMER RMG/NAVISTAR
Pace Project No.: 40231607

Sample: WP-SOUTHWEST **Lab ID: 40231607001** Collected: 08/12/21 09:00 Received: 08/13/21 07:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	<18.8	ug/kg	61.7	18.8	1	08/16/21 05:45	08/17/21 05:36	12674-11-2	
PCB-1221 (Aroclor 1221)	<18.8	ug/kg	61.7	18.8	1	08/16/21 05:45	08/17/21 05:36	11104-28-2	
PCB-1232 (Aroclor 1232)	<18.8	ug/kg	61.7	18.8	1	08/16/21 05:45	08/17/21 05:36	11141-16-5	
PCB-1242 (Aroclor 1242)	<18.8	ug/kg	61.7	18.8	1	08/16/21 05:45	08/17/21 05:36	53469-21-9	
PCB-1248 (Aroclor 1248)	<18.8	ug/kg	61.7	18.8	1	08/16/21 05:45	08/17/21 05:36	12672-29-6	
PCB-1254 (Aroclor 1254)	<18.8	ug/kg	61.7	18.8	1	08/16/21 05:45	08/17/21 05:36	11097-69-1	
PCB-1260 (Aroclor 1260)	<18.8	ug/kg	61.7	18.8	1	08/16/21 05:45	08/17/21 05:36	11096-82-5	
PCB, Total	<18.8	ug/kg	61.7	18.8	1	08/16/21 05:45	08/17/21 05:36	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	85	%	67-102		1	08/16/21 05:45	08/17/21 05:36	877-09-8	
Decachlorobiphenyl (S)	88	%	47-114		1	08/16/21 05:45	08/17/21 05:36	2051-24-3	
6010D MET ICP, TCLP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Leachate Method/Date: EPA 1311; 08/16/21 15:05									
Pace Analytical Services - Green Bay									
Arsenic	0.011J	mg/L	0.025	0.0084	1	08/17/21 13:48	08/18/21 09:19	7440-38-2	
Barium	0.42	mg/L	0.0050	0.0015	1	08/17/21 13:48	08/18/21 09:19	7440-39-3	
Cadmium	0.0020J	mg/L	0.0050	0.0013	1	08/17/21 13:48	08/18/21 09:19	7440-43-9	
Chromium	<0.0025	mg/L	0.010	0.0025	1	08/17/21 13:48	08/18/21 09:19	7440-47-3	
Copper	0.0065J	mg/L	0.010	0.0034	1	08/17/21 13:48	08/18/21 09:19	7440-50-8	
Lead	0.0074J	mg/L	0.020	0.0059	1	08/17/21 13:48	08/18/21 09:19	7439-92-1	
Nickel	0.0088J	mg/L	0.010	0.0026	1	08/17/21 13:48	08/18/21 09:19	7440-02-0	
Selenium	<0.012	mg/L	0.040	0.012	1	08/17/21 13:48	08/18/21 09:19	7782-49-2	
Silver	<0.0032	mg/L	0.010	0.0032	1	08/17/21 13:48	08/18/21 09:19	7440-22-4	
Zinc	0.12	mg/L	0.040	0.012	1	08/17/21 13:48	08/18/21 09:19	7440-66-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 08/16/21 15:05									
Pace Analytical Services - Green Bay									
Mercury	<0.000066	mg/L	0.00020	0.000066	1	08/18/21 08:50	08/18/21 12:45	7439-97-6	
8270E MSSV TCLP Sep Funnel									
Analytical Method: EPA 8270E Preparation Method: EPA 3510									
Leachate Method/Date: EPA 1311; 08/16/21 15:05									
Pace Analytical Services - Green Bay									
1,4-Dichlorobenzene	<0.014	mg/L	0.050	0.014	1	08/17/21 15:55	08/18/21 13:06	106-46-7	
2,4-Dinitrotoluene	<0.011	mg/L	0.050	0.011	1	08/17/21 15:55	08/18/21 13:06	121-14-2	
Hexachloro-1,3-butadiene	<0.017	mg/L	0.050	0.017	1	08/17/21 15:55	08/18/21 13:06	87-68-3	
Hexachlorobenzene	<0.011	mg/L	0.055	0.011	1	08/17/21 15:55	08/18/21 13:06	118-74-1	
Hexachloroethane	<0.014	mg/L	0.050	0.014	1	08/17/21 15:55	08/18/21 13:06	67-72-1	
2-Methylphenol(o-Cresol)	<0.0093	mg/L	0.050	0.0093	1	08/17/21 15:55	08/18/21 13:06	95-48-7	
3&4-Methylphenol(m&p Cresol)	<0.0061	mg/L	0.050	0.0061	1	08/17/21 15:55	08/18/21 13:06		
Nitrobenzene	<0.011	mg/L	0.050	0.011	1	08/17/21 15:55	08/18/21 13:06	98-95-3	
Pentachlorophenol	<0.046	mg/L	0.15	0.046	1	08/17/21 15:55	08/18/21 13:06	87-86-5	
Phenol	<0.0032	mg/L	0.050	0.0032	1	08/17/21 15:55	08/18/21 13:06	108-95-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 FORMER RMG/NAVISTAR
Pace Project No.: 40231607

Sample: WP-SOUTHWEST **Lab ID: 40231607001** Collected: 08/12/21 09:00 Received: 08/13/21 07:20 Matrix: Solid
Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV TCLP Sep Funnel									
Analytical Method: EPA 8270E Preparation Method: EPA 3510									
Leachate Method/Date: EPA 1311; 08/16/21 15:05									
Pace Analytical Services - Green Bay									
Pyridine	<0.015	mg/L	0.050	0.015	1	08/17/21 15:55	08/18/21 13:06	110-86-1	
2,4,5-Trichlorophenol	<0.0064	mg/L	0.050	0.0064	1	08/17/21 15:55	08/18/21 13:06	95-95-4	
2,4,6-Trichlorophenol	<0.0080	mg/L	0.050	0.0080	1	08/17/21 15:55	08/18/21 13:06	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	87	%	41-118		1	08/17/21 15:55	08/18/21 13:06	4165-60-0	
2-Fluorobiphenyl (S)	76	%	54-107		1	08/17/21 15:55	08/18/21 13:06	321-60-8	
2,4,6-Tribromophenol (S)	90	%	62-172		1	08/17/21 15:55	08/18/21 13:06	118-79-6	
Phenol-d6 (S)	33	%	12-120		1	08/17/21 15:55	08/18/21 13:06	13127-88-3	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<17.5	ug/kg	29.5	17.5	1	08/16/21 09:30	08/17/21 12:38	71-43-2	
Bromobenzene	<28.7	ug/kg	73.6	28.7	1	08/16/21 09:30	08/17/21 12:38	108-86-1	
Bromochloromethane	<20.2	ug/kg	73.6	20.2	1	08/16/21 09:30	08/17/21 12:38	74-97-5	
Bromodichloromethane	<17.5	ug/kg	73.6	17.5	1	08/16/21 09:30	08/17/21 12:38	75-27-4	
Bromoform	<324	ug/kg	368	324	1	08/16/21 09:30	08/17/21 12:38	75-25-2	
Bromomethane	<103	ug/kg	368	103	1	08/16/21 09:30	08/17/21 12:38	74-83-9	
2-Butanone (MEK)	<233	ug/kg	1840	233	1	08/16/21 09:30	08/17/21 12:38	78-93-3	
n-Butylbenzene	<33.7	ug/kg	73.6	33.7	1	08/16/21 09:30	08/17/21 12:38	104-51-8	
sec-Butylbenzene	<18.0	ug/kg	73.6	18.0	1	08/16/21 09:30	08/17/21 12:38	135-98-8	
tert-Butylbenzene	<23.1	ug/kg	73.6	23.1	1	08/16/21 09:30	08/17/21 12:38	98-06-6	
Carbon tetrachloride	<16.2	ug/kg	73.6	16.2	1	08/16/21 09:30	08/17/21 12:38	56-23-5	
Chlorobenzene	<8.8	ug/kg	73.6	8.8	1	08/16/21 09:30	08/17/21 12:38	108-90-7	
Chloroethane	<31.1	ug/kg	368	31.1	1	08/16/21 09:30	08/17/21 12:38	75-00-3	
Chloroform	<52.7	ug/kg	368	52.7	1	08/16/21 09:30	08/17/21 12:38	67-66-3	
Chloromethane	<28.0	ug/kg	73.6	28.0	1	08/16/21 09:30	08/17/21 12:38	74-87-3	
2-Chlorotoluene	<23.9	ug/kg	73.6	23.9	1	08/16/21 09:30	08/17/21 12:38	95-49-8	
4-Chlorotoluene	<28.0	ug/kg	73.6	28.0	1	08/16/21 09:30	08/17/21 12:38	106-43-4	
1,2-Dibromo-3-chloropropane	<57.1	ug/kg	368	57.1	1	08/16/21 09:30	08/17/21 12:38	96-12-8	
Dibromochloromethane	<252	ug/kg	368	252	1	08/16/21 09:30	08/17/21 12:38	124-48-1	
1,2-Dibromoethane (EDB)	<20.2	ug/kg	73.6	20.2	1	08/16/21 09:30	08/17/21 12:38	106-93-4	
Dibromomethane	<21.8	ug/kg	73.6	21.8	1	08/16/21 09:30	08/17/21 12:38	74-95-3	
1,2-Dichlorobenzene	<22.8	ug/kg	73.6	22.8	1	08/16/21 09:30	08/17/21 12:38	95-50-1	
1,3-Dichlorobenzene	<20.2	ug/kg	73.6	20.2	1	08/16/21 09:30	08/17/21 12:38	541-73-1	
1,4-Dichlorobenzene	<20.2	ug/kg	73.6	20.2	1	08/16/21 09:30	08/17/21 12:38	106-46-7	
Dichlorodifluoromethane	<31.7	ug/kg	73.6	31.7	1	08/16/21 09:30	08/17/21 12:38	75-71-8	
1,1-Dichloroethane	<18.8	ug/kg	73.6	18.8	1	08/16/21 09:30	08/17/21 12:38	75-34-3	
1,2-Dichloroethane	<16.9	ug/kg	73.6	16.9	1	08/16/21 09:30	08/17/21 12:38	107-06-2	
1,1-Dichloroethene	<24.4	ug/kg	73.6	24.4	1	08/16/21 09:30	08/17/21 12:38	75-35-4	
cis-1,2-Dichloroethene	<15.8	ug/kg	73.6	15.8	1	08/16/21 09:30	08/17/21 12:38	156-59-2	
trans-1,2-Dichloroethene	<15.9	ug/kg	73.6	15.9	1	08/16/21 09:30	08/17/21 12:38	156-60-5	
1,2-Dichloropropane	<17.5	ug/kg	73.6	17.5	1	08/16/21 09:30	08/17/21 12:38	78-87-5	
1,3-Dichloropropane	<16.1	ug/kg	73.6	16.1	1	08/16/21 09:30	08/17/21 12:38	142-28-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 FORMER RMG/NAVISTAR
Pace Project No.: 40231607

Sample: WP-SOUTHWEST **Lab ID: 40231607001** Collected: 08/12/21 09:00 Received: 08/13/21 07:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
2,2-Dichloropropane	<19.9	ug/kg	73.6	19.9	1	08/16/21 09:30	08/17/21 12:38	594-20-7	
1,1-Dichloropropene	<23.9	ug/kg	73.6	23.9	1	08/16/21 09:30	08/17/21 12:38	563-58-6	
cis-1,3-Dichloropropene	<48.6	ug/kg	368	48.6	1	08/16/21 09:30	08/17/21 12:38	10061-01-5	
trans-1,3-Dichloropropene	<211	ug/kg	368	211	1	08/16/21 09:30	08/17/21 12:38	10061-02-6	
Diisopropyl ether	<18.3	ug/kg	73.6	18.3	1	08/16/21 09:30	08/17/21 12:38	108-20-3	
Ethylbenzene	<17.5	ug/kg	73.6	17.5	1	08/16/21 09:30	08/17/21 12:38	100-41-4	
Hexachloro-1,3-butadiene	<146	ug/kg	368	146	1	08/16/21 09:30	08/17/21 12:38	87-68-3	
Isopropylbenzene (Cumene)	<19.9	ug/kg	73.6	19.9	1	08/16/21 09:30	08/17/21 12:38	98-82-8	
p-Isopropyltoluene	<22.4	ug/kg	73.6	22.4	1	08/16/21 09:30	08/17/21 12:38	99-87-6	
Methylene Chloride	<20.5	ug/kg	73.6	20.5	1	08/16/21 09:30	08/17/21 12:38	75-09-2	
Methyl-tert-butyl ether	<21.6	ug/kg	73.6	21.6	1	08/16/21 09:30	08/17/21 12:38	1634-04-4	
Naphthalene	<23.0	ug/kg	368	23.0	1	08/16/21 09:30	08/17/21 12:38	91-20-3	
n-Propylbenzene	<17.7	ug/kg	73.6	17.7	1	08/16/21 09:30	08/17/21 12:38	103-65-1	
Styrene	<18.8	ug/kg	73.6	18.8	1	08/16/21 09:30	08/17/21 12:38	100-42-5	
1,1,1,2-Tetrachloroethane	<17.7	ug/kg	73.6	17.7	1	08/16/21 09:30	08/17/21 12:38	630-20-6	
1,1,2,2-Tetrachloroethane	<26.7	ug/kg	73.6	26.7	1	08/16/21 09:30	08/17/21 12:38	79-34-5	
Tetrachloroethene	<28.6	ug/kg	73.6	28.6	1	08/16/21 09:30	08/17/21 12:38	127-18-4	
Toluene	<18.6	ug/kg	73.6	18.6	1	08/16/21 09:30	08/17/21 12:38	108-88-3	
1,2,3-Trichlorobenzene	<82.0	ug/kg	368	82.0	1	08/16/21 09:30	08/17/21 12:38	87-61-6	
1,2,4-Trichlorobenzene	<60.7	ug/kg	368	60.7	1	08/16/21 09:30	08/17/21 12:38	120-82-1	
1,1,1-Trichloroethane	<18.8	ug/kg	73.6	18.8	1	08/16/21 09:30	08/17/21 12:38	71-55-6	
1,1,2-Trichloroethane	<26.8	ug/kg	73.6	26.8	1	08/16/21 09:30	08/17/21 12:38	79-00-5	
Trichloroethene	86.0	ug/kg	73.6	27.5	1	08/16/21 09:30	08/17/21 12:38	79-01-6	
Trichlorofluoromethane	<21.4	ug/kg	73.6	21.4	1	08/16/21 09:30	08/17/21 12:38	75-69-4	
1,2,3-Trichloropropane	<35.8	ug/kg	73.6	35.8	1	08/16/21 09:30	08/17/21 12:38	96-18-4	
1,2,4-Trimethylbenzene	<21.9	ug/kg	73.6	21.9	1	08/16/21 09:30	08/17/21 12:38	95-63-6	
1,3,5-Trimethylbenzene	<23.7	ug/kg	73.6	23.7	1	08/16/21 09:30	08/17/21 12:38	108-67-8	
Vinyl chloride	<14.9	ug/kg	73.6	14.9	1	08/16/21 09:30	08/17/21 12:38	75-01-4	
m&p-Xylene	<31.1	ug/kg	147	31.1	1	08/16/21 09:30	08/17/21 12:38	179601-23-1	
o-Xylene	<22.1	ug/kg	73.6	22.1	1	08/16/21 09:30	08/17/21 12:38	95-47-6	
Surrogates									
Toluene-d8 (S)	119	%	67-159		1	08/16/21 09:30	08/17/21 12:38	2037-26-5	
4-Bromofluorobenzene (S)	143	%	66-153		1	08/16/21 09:30	08/17/21 12:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	129	%	82-158		1	08/16/21 09:30	08/17/21 12:38	2199-69-1	

8260 MSV TCLP

Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 08/16/21 15:05

Pace Analytical Services - Green Bay

Benzene	<0.0030	mg/L	0.010	0.0030	10		08/17/21 23:06	71-43-2	
2-Butanone (MEK)	<0.065	mg/L	0.25	0.065	10		08/17/21 23:06	78-93-3	
Carbon tetrachloride	<0.0037	mg/L	0.010	0.0037	10		08/17/21 23:06	56-23-5	
Chlorobenzene	<0.0086	mg/L	0.010	0.0086	10		08/17/21 23:06	108-90-7	
Chloroform	<0.012	mg/L	0.050	0.012	10		08/17/21 23:06	67-66-3	
1,2-Dichloroethane	<0.0029	mg/L	0.010	0.0029	10		08/17/21 23:06	107-06-2	
1,1-Dichloroethene	<0.0058	mg/L	0.010	0.0058	10		08/17/21 23:06	75-35-4	

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ANALYTICAL RESULTS

Project: 11717 FORMER RMG/NAVISTAR

Pace Project No.: 40231607

Sample: WP-SOUTHWEST **Lab ID: 40231607001** Collected: 08/12/21 09:00 Received: 08/13/21 07:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV TCLP									
Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 08/16/21 15:05									
Pace Analytical Services - Green Bay									
Tetrachloroethene	<0.0041	mg/L	0.010	0.0041	10		08/17/21 23:06	127-18-4	
Trichloroethene	<0.0032	mg/L	0.010	0.0032	10		08/17/21 23:06	79-01-6	
Vinyl chloride	<0.0017	mg/L	0.010	0.0017	10		08/17/21 23:06	75-01-4	
Surrogates									
Toluene-d8 (S)	97	%	70-130		10		08/17/21 23:06	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		10		08/17/21 23:06	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		10		08/17/21 23:06	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	19.1	%	0.10	0.10	1		08/16/21 10:35		

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ANALYTICAL RESULTS

Project: 11717 FORMER RMG/NAVISTAR
Pace Project No.: 40231607

Sample: WP-SOUTH **Lab ID: 40231607002** Collected: 08/12/21 09:30 Received: 08/13/21 07:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	<17.7	ug/kg	58.2	17.7	1	08/16/21 05:45	08/17/21 05:58	12674-11-2	
PCB-1221 (Aroclor 1221)	<17.7	ug/kg	58.2	17.7	1	08/16/21 05:45	08/17/21 05:58	11104-28-2	
PCB-1232 (Aroclor 1232)	<17.7	ug/kg	58.2	17.7	1	08/16/21 05:45	08/17/21 05:58	11141-16-5	
PCB-1242 (Aroclor 1242)	<17.7	ug/kg	58.2	17.7	1	08/16/21 05:45	08/17/21 05:58	53469-21-9	
PCB-1248 (Aroclor 1248)	<17.7	ug/kg	58.2	17.7	1	08/16/21 05:45	08/17/21 05:58	12672-29-6	
PCB-1254 (Aroclor 1254)	<17.7	ug/kg	58.2	17.7	1	08/16/21 05:45	08/17/21 05:58	11097-69-1	
PCB-1260 (Aroclor 1260)	<17.7	ug/kg	58.2	17.7	1	08/16/21 05:45	08/17/21 05:58	11096-82-5	
PCB, Total	<17.7	ug/kg	58.2	17.7	1	08/16/21 05:45	08/17/21 05:58	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	82	%	67-102		1	08/16/21 05:45	08/17/21 05:58	877-09-8	
Decachlorobiphenyl (S)	90	%	47-114		1	08/16/21 05:45	08/17/21 05:58	2051-24-3	
6010D MET ICP, TCLP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Leachate Method/Date: EPA 1311; 08/16/21 15:05									
Pace Analytical Services - Green Bay									
Arsenic	<0.0084	mg/L	0.025	0.0084	1	08/17/21 13:48	08/18/21 09:29	7440-38-2	
Barium	0.32	mg/L	0.0050	0.0015	1	08/17/21 13:48	08/18/21 09:29	7440-39-3	
Cadmium	<0.0013	mg/L	0.0050	0.0013	1	08/17/21 13:48	08/18/21 09:29	7440-43-9	
Chromium	<0.0025	mg/L	0.010	0.0025	1	08/17/21 13:48	08/18/21 09:29	7440-47-3	
Copper	<0.0034	mg/L	0.010	0.0034	1	08/17/21 13:48	08/18/21 09:29	7440-50-8	
Lead	<0.0059	mg/L	0.020	0.0059	1	08/17/21 13:48	08/18/21 09:29	7439-92-1	
Nickel	0.0061J	mg/L	0.010	0.0026	1	08/17/21 13:48	08/18/21 09:29	7440-02-0	
Selenium	<0.012	mg/L	0.040	0.012	1	08/17/21 13:48	08/18/21 09:29	7782-49-2	
Silver	<0.0032	mg/L	0.010	0.0032	1	08/17/21 13:48	08/18/21 09:29	7440-22-4	
Zinc	0.023J	mg/L	0.040	0.012	1	08/17/21 13:48	08/18/21 09:29	7440-66-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 08/16/21 15:05									
Pace Analytical Services - Green Bay									
Mercury	<0.000066	mg/L	0.00020	0.000066	1	08/18/21 08:50	08/18/21 12:48	7439-97-6	
8270E MSSV TCLP Sep Funnel									
Analytical Method: EPA 8270E Preparation Method: EPA 3510									
Leachate Method/Date: EPA 1311; 08/16/21 15:05									
Pace Analytical Services - Green Bay									
1,4-Dichlorobenzene	<0.014	mg/L	0.050	0.014	1	08/17/21 15:55	08/18/21 13:27	106-46-7	
2,4-Dinitrotoluene	<0.011	mg/L	0.050	0.011	1	08/17/21 15:55	08/18/21 13:27	121-14-2	
Hexachloro-1,3-butadiene	<0.017	mg/L	0.050	0.017	1	08/17/21 15:55	08/18/21 13:27	87-68-3	
Hexachlorobenzene	<0.011	mg/L	0.055	0.011	1	08/17/21 15:55	08/18/21 13:27	118-74-1	
Hexachloroethane	<0.014	mg/L	0.050	0.014	1	08/17/21 15:55	08/18/21 13:27	67-72-1	
2-Methylphenol(o-Cresol)	<0.0093	mg/L	0.050	0.0093	1	08/17/21 15:55	08/18/21 13:27	95-48-7	
3&4-Methylphenol(m&p Cresol)	<0.0061	mg/L	0.050	0.0061	1	08/17/21 15:55	08/18/21 13:27		
Nitrobenzene	<0.011	mg/L	0.050	0.011	1	08/17/21 15:55	08/18/21 13:27	98-95-3	
Pentachlorophenol	<0.046	mg/L	0.15	0.046	1	08/17/21 15:55	08/18/21 13:27	87-86-5	
Phenol	<0.0032	mg/L	0.050	0.0032	1	08/17/21 15:55	08/18/21 13:27	108-95-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 FORMER RMG/NAVISTAR

Pace Project No.: 40231607

Sample: WP-SOUTH **Lab ID: 40231607002** Collected: 08/12/21 09:30 Received: 08/13/21 07:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV TCLP Sep Funnel									
Analytical Method: EPA 8270E Preparation Method: EPA 3510									
Leachate Method/Date: EPA 1311; 08/16/21 15:05									
Pace Analytical Services - Green Bay									
Pyridine	<0.015	mg/L	0.050	0.015	1	08/17/21 15:55	08/18/21 13:27	110-86-1	
2,4,5-Trichlorophenol	<0.0064	mg/L	0.050	0.0064	1	08/17/21 15:55	08/18/21 13:27	95-95-4	
2,4,6-Trichlorophenol	<0.0080	mg/L	0.050	0.0080	1	08/17/21 15:55	08/18/21 13:27	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	91	%	41-118		1	08/17/21 15:55	08/18/21 13:27	4165-60-0	
2-Fluorobiphenyl (S)	84	%	54-107		1	08/17/21 15:55	08/18/21 13:27	321-60-8	
2,4,6-Tribromophenol (S)	97	%	62-172		1	08/17/21 15:55	08/18/21 13:27	118-79-6	
Phenol-d6 (S)	38	%	12-120		1	08/17/21 15:55	08/18/21 13:27	13127-88-3	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<15.9	ug/kg	26.7	15.9	1	08/16/21 09:30	08/17/21 12:58	71-43-2	
Bromobenzene	<26.0	ug/kg	66.7	26.0	1	08/16/21 09:30	08/17/21 12:58	108-86-1	
Bromochloromethane	<18.3	ug/kg	66.7	18.3	1	08/16/21 09:30	08/17/21 12:58	74-97-5	
Bromodichloromethane	<15.9	ug/kg	66.7	15.9	1	08/16/21 09:30	08/17/21 12:58	75-27-4	
Bromoform	<293	ug/kg	333	293	1	08/16/21 09:30	08/17/21 12:58	75-25-2	
Bromomethane	<93.5	ug/kg	333	93.5	1	08/16/21 09:30	08/17/21 12:58	74-83-9	
2-Butanone (MEK)	<211	ug/kg	1670	211	1	08/16/21 09:30	08/17/21 12:58	78-93-3	
n-Butylbenzene	<30.5	ug/kg	66.7	30.5	1	08/16/21 09:30	08/17/21 12:58	104-51-8	
sec-Butylbenzene	<16.3	ug/kg	66.7	16.3	1	08/16/21 09:30	08/17/21 12:58	135-98-8	
tert-Butylbenzene	<20.9	ug/kg	66.7	20.9	1	08/16/21 09:30	08/17/21 12:58	98-06-6	
Carbon tetrachloride	<14.7	ug/kg	66.7	14.7	1	08/16/21 09:30	08/17/21 12:58	56-23-5	
Chlorobenzene	<8.0	ug/kg	66.7	8.0	1	08/16/21 09:30	08/17/21 12:58	108-90-7	
Chloroethane	<28.1	ug/kg	333	28.1	1	08/16/21 09:30	08/17/21 12:58	75-00-3	
Chloroform	<47.7	ug/kg	333	47.7	1	08/16/21 09:30	08/17/21 12:58	67-66-3	
Chloromethane	<25.3	ug/kg	66.7	25.3	1	08/16/21 09:30	08/17/21 12:58	74-87-3	
2-Chlorotoluene	<21.6	ug/kg	66.7	21.6	1	08/16/21 09:30	08/17/21 12:58	95-49-8	
4-Chlorotoluene	<25.3	ug/kg	66.7	25.3	1	08/16/21 09:30	08/17/21 12:58	106-43-4	
1,2-Dibromo-3-chloropropane	<51.7	ug/kg	333	51.7	1	08/16/21 09:30	08/17/21 12:58	96-12-8	
Dibromochloromethane	<228	ug/kg	333	228	1	08/16/21 09:30	08/17/21 12:58	124-48-1	
1,2-Dibromoethane (EDB)	<18.3	ug/kg	66.7	18.3	1	08/16/21 09:30	08/17/21 12:58	106-93-4	
Dibromomethane	<19.7	ug/kg	66.7	19.7	1	08/16/21 09:30	08/17/21 12:58	74-95-3	
1,2-Dichlorobenzene	<20.7	ug/kg	66.7	20.7	1	08/16/21 09:30	08/17/21 12:58	95-50-1	
1,3-Dichlorobenzene	<18.3	ug/kg	66.7	18.3	1	08/16/21 09:30	08/17/21 12:58	541-73-1	
1,4-Dichlorobenzene	<18.3	ug/kg	66.7	18.3	1	08/16/21 09:30	08/17/21 12:58	106-46-7	
Dichlorodifluoromethane	<28.7	ug/kg	66.7	28.7	1	08/16/21 09:30	08/17/21 12:58	75-71-8	
1,1-Dichloroethane	<17.1	ug/kg	66.7	17.1	1	08/16/21 09:30	08/17/21 12:58	75-34-3	
1,2-Dichloroethane	<15.3	ug/kg	66.7	15.3	1	08/16/21 09:30	08/17/21 12:58	107-06-2	
1,1-Dichloroethene	<22.1	ug/kg	66.7	22.1	1	08/16/21 09:30	08/17/21 12:58	75-35-4	
cis-1,2-Dichloroethene	<14.3	ug/kg	66.7	14.3	1	08/16/21 09:30	08/17/21 12:58	156-59-2	
trans-1,2-Dichloroethene	<14.4	ug/kg	66.7	14.4	1	08/16/21 09:30	08/17/21 12:58	156-60-5	
1,2-Dichloropropane	<15.9	ug/kg	66.7	15.9	1	08/16/21 09:30	08/17/21 12:58	78-87-5	
1,3-Dichloropropane	<14.5	ug/kg	66.7	14.5	1	08/16/21 09:30	08/17/21 12:58	142-28-9	

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ANALYTICAL RESULTS

Project: 11717 FORMER RMG/NAVISTAR
Pace Project No.: 40231607

Sample: WP-SOUTH **Lab ID: 40231607002** Collected: 08/12/21 09:30 Received: 08/13/21 07:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
2,2-Dichloropropane	<18.0	ug/kg	66.7	18.0	1	08/16/21 09:30	08/17/21 12:58	594-20-7	
1,1-Dichloropropene	<21.6	ug/kg	66.7	21.6	1	08/16/21 09:30	08/17/21 12:58	563-58-6	
cis-1,3-Dichloropropene	<44.0	ug/kg	333	44.0	1	08/16/21 09:30	08/17/21 12:58	10061-01-5	
trans-1,3-Dichloropropene	<191	ug/kg	333	191	1	08/16/21 09:30	08/17/21 12:58	10061-02-6	
Diisopropyl ether	<16.5	ug/kg	66.7	16.5	1	08/16/21 09:30	08/17/21 12:58	108-20-3	
Ethylbenzene	<15.9	ug/kg	66.7	15.9	1	08/16/21 09:30	08/17/21 12:58	100-41-4	
Hexachloro-1,3-butadiene	<133	ug/kg	333	133	1	08/16/21 09:30	08/17/21 12:58	87-68-3	
Isopropylbenzene (Cumene)	<18.0	ug/kg	66.7	18.0	1	08/16/21 09:30	08/17/21 12:58	98-82-8	
p-Isopropyltoluene	<20.3	ug/kg	66.7	20.3	1	08/16/21 09:30	08/17/21 12:58	99-87-6	
Methylene Chloride	<18.5	ug/kg	66.7	18.5	1	08/16/21 09:30	08/17/21 12:58	75-09-2	
Methyl-tert-butyl ether	<19.6	ug/kg	66.7	19.6	1	08/16/21 09:30	08/17/21 12:58	1634-04-4	
Naphthalene	<20.8	ug/kg	333	20.8	1	08/16/21 09:30	08/17/21 12:58	91-20-3	
n-Propylbenzene	<16.0	ug/kg	66.7	16.0	1	08/16/21 09:30	08/17/21 12:58	103-65-1	
Styrene	<17.1	ug/kg	66.7	17.1	1	08/16/21 09:30	08/17/21 12:58	100-42-5	
1,1,1,2-Tetrachloroethane	<16.0	ug/kg	66.7	16.0	1	08/16/21 09:30	08/17/21 12:58	630-20-6	
1,1,2,2-Tetrachloroethane	<24.1	ug/kg	66.7	24.1	1	08/16/21 09:30	08/17/21 12:58	79-34-5	
Tetrachloroethene	<25.9	ug/kg	66.7	25.9	1	08/16/21 09:30	08/17/21 12:58	127-18-4	
Toluene	<16.8	ug/kg	66.7	16.8	1	08/16/21 09:30	08/17/21 12:58	108-88-3	
1,2,3-Trichlorobenzene	<74.3	ug/kg	333	74.3	1	08/16/21 09:30	08/17/21 12:58	87-61-6	
1,2,4-Trichlorobenzene	<54.9	ug/kg	333	54.9	1	08/16/21 09:30	08/17/21 12:58	120-82-1	
1,1,1-Trichloroethane	<17.1	ug/kg	66.7	17.1	1	08/16/21 09:30	08/17/21 12:58	71-55-6	
1,1,2-Trichloroethane	<24.3	ug/kg	66.7	24.3	1	08/16/21 09:30	08/17/21 12:58	79-00-5	
Trichloroethene	845	ug/kg	66.7	24.9	1	08/16/21 09:30	08/17/21 12:58	79-01-6	
Trichlorofluoromethane	<19.3	ug/kg	66.7	19.3	1	08/16/21 09:30	08/17/21 12:58	75-69-4	
1,2,3-Trichloropropane	<32.4	ug/kg	66.7	32.4	1	08/16/21 09:30	08/17/21 12:58	96-18-4	
1,2,4-Trimethylbenzene	<19.9	ug/kg	66.7	19.9	1	08/16/21 09:30	08/17/21 12:58	95-63-6	
1,3,5-Trimethylbenzene	<21.5	ug/kg	66.7	21.5	1	08/16/21 09:30	08/17/21 12:58	108-67-8	
Vinyl chloride	<13.5	ug/kg	66.7	13.5	1	08/16/21 09:30	08/17/21 12:58	75-01-4	
m&p-Xylene	<28.1	ug/kg	133	28.1	1	08/16/21 09:30	08/17/21 12:58	179601-23-1	
o-Xylene	<20.0	ug/kg	66.7	20.0	1	08/16/21 09:30	08/17/21 12:58	95-47-6	
Surrogates									
Toluene-d8 (S)	110	%	67-159		1	08/16/21 09:30	08/17/21 12:58	2037-26-5	
4-Bromofluorobenzene (S)	137	%	66-153		1	08/16/21 09:30	08/17/21 12:58	460-00-4	
1,2-Dichlorobenzene-d4 (S)	123	%	82-158		1	08/16/21 09:30	08/17/21 12:58	2199-69-1	

8260 MSV TCLP

Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 08/16/21 15:05

Pace Analytical Services - Green Bay

Benzene	<0.0030	mg/L	0.010	0.0030	10		08/17/21 23:25	71-43-2	
2-Butanone (MEK)	<0.065	mg/L	0.25	0.065	10		08/17/21 23:25	78-93-3	
Carbon tetrachloride	<0.0037	mg/L	0.010	0.0037	10		08/17/21 23:25	56-23-5	
Chlorobenzene	<0.0086	mg/L	0.010	0.0086	10		08/17/21 23:25	108-90-7	
Chloroform	<0.012	mg/L	0.050	0.012	10		08/17/21 23:25	67-66-3	
1,2-Dichloroethane	<0.0029	mg/L	0.010	0.0029	10		08/17/21 23:25	107-06-2	
1,1-Dichloroethene	<0.0058	mg/L	0.010	0.0058	10		08/17/21 23:25	75-35-4	

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ANALYTICAL RESULTS

Project: 11717 FORMER RMG/NAVISTAR
Pace Project No.: 40231607

Sample: WP-SOUTH **Lab ID: 40231607002** Collected: 08/12/21 09:30 Received: 08/13/21 07:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV TCLP									
Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 08/16/21 15:05									
Pace Analytical Services - Green Bay									
Tetrachloroethene	<0.0041	mg/L	0.010	0.0041	10		08/17/21 23:25	127-18-4	
Trichloroethene	<0.0032	mg/L	0.010	0.0032	10		08/17/21 23:25	79-01-6	
Vinyl chloride	<0.0017	mg/L	0.010	0.0017	10		08/17/21 23:25	75-01-4	
Surrogates									
Toluene-d8 (S)	97	%	70-130		10		08/17/21 23:25	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130		10		08/17/21 23:25	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		10		08/17/21 23:25	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	14.3	%	0.10	0.10	1		08/16/21 10:36		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11717 FORMER RMG/NAVISTAR
Pace Project No.: 40231607

QC Batch: 393373 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury TCLP
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40231607001, 40231607002

METHOD BLANK: 2269577 Matrix: Water
Associated Lab Samples: 40231607001, 40231607002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/L	<0.000066	0.00020	08/18/21 12:29	

METHOD BLANK: 2268406 Matrix: Water
Associated Lab Samples: 40231607001, 40231607002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/L	<0.000066	0.00020	08/18/21 12:57	

METHOD BLANK: 2268980 Matrix: Water
Associated Lab Samples: 40231607001, 40231607002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/L	<0.000066	0.00020	08/18/21 13:04	

LABORATORY CONTROL SAMPLE: 2269578

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.005	0.0049	98	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2269579 2269580

Parameter	Units	40231531001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	<0.000066	0.005	0.005	0.0064	0.0063	127	127	85-115	0	20 M0	

MATRIX SPIKE SAMPLE: 2269581

Parameter	Units	40231513001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.14J ug/L	0.005	0.0065	127	85-115 M0	

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QUALITY CONTROL DATA

Project: 11717 FORMER RMG/NAVISTAR
Pace Project No.: 40231607

QC Batch: 393274 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D MET TCLP
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40231607001, 40231607002

METHOD BLANK: 2268957 Matrix: Water

Associated Lab Samples: 40231607001, 40231607002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	<0.0084	0.025	08/18/21 09:14	
Barium	mg/L	<0.0015	0.0050	08/18/21 09:14	
Cadmium	mg/L	<0.0013	0.0050	08/18/21 09:14	
Chromium	mg/L	<0.0025	0.010	08/18/21 09:14	
Copper	mg/L	<0.0034	0.010	08/18/21 09:14	
Lead	mg/L	<0.0059	0.020	08/18/21 09:14	
Nickel	mg/L	<0.0026	0.010	08/18/21 09:14	
Selenium	mg/L	<0.012	0.040	08/18/21 09:14	
Silver	mg/L	<0.0032	0.010	08/18/21 09:14	
Zinc	mg/L	<0.012	0.040	08/18/21 09:14	

METHOD BLANK: 2266565 Matrix: Solid

Associated Lab Samples: 40231607001, 40231607002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	<0.0084	0.025	08/18/21 09:57	
Barium	mg/L	<0.0015	0.0050	08/18/21 09:57	
Cadmium	mg/L	<0.0013	0.0050	08/18/21 09:57	
Chromium	mg/L	<0.0025	0.010	08/18/21 09:57	
Copper	mg/L	0.0047J	0.010	08/18/21 09:57	
Lead	mg/L	<0.0059	0.020	08/18/21 09:57	
Nickel	mg/L	<0.0026	0.010	08/18/21 09:57	
Selenium	mg/L	<0.012	0.040	08/18/21 09:57	
Silver	mg/L	<0.0032	0.010	08/18/21 09:57	
Zinc	mg/L	<0.012	0.040	08/18/21 09:57	

METHOD BLANK: 2268405 Matrix: Solid

Associated Lab Samples: 40231607001, 40231607002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	<0.0084	0.025	08/18/21 09:49	
Barium	mg/L	0.0058	0.0050	08/18/21 09:49	
Cadmium	mg/L	<0.0013	0.0050	08/18/21 09:49	
Chromium	mg/L	<0.0025	0.010	08/18/21 09:49	
Copper	mg/L	<0.0034	0.010	08/18/21 09:49	
Lead	mg/L	<0.0059	0.020	08/18/21 09:49	

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QUALITY CONTROL DATA

Project: 11717 FORMER RMG/NAVISTAR
Pace Project No.: 40231607

METHOD BLANK: 2268405 Matrix: Solid
Associated Lab Samples: 40231607001, 40231607002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nickel	mg/L	<0.0026	0.010	08/18/21 09:49	
Selenium	mg/L	<0.012	0.040	08/18/21 09:49	
Silver	mg/L	<0.0032	0.010	08/18/21 09:49	
Zinc	mg/L	<0.012	0.040	08/18/21 09:49	

LABORATORY CONTROL SAMPLE: 2268958

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	0.25	0.23	92	80-120	
Barium	mg/L	0.25	0.23	92	80-120	
Cadmium	mg/L	0.25	0.23	93	80-120	
Chromium	mg/L	0.25	0.24	94	80-120	
Copper	mg/L	0.25	0.24	95	80-120	
Lead	mg/L	0.25	0.24	94	80-120	
Nickel	mg/L	0.25	0.24	95	80-120	
Selenium	mg/L	0.25	0.23	93	80-120	
Silver	mg/L	0.12	0.11	92	80-120	
Zinc	mg/L	0.25	0.25	98	80-120	

MATRIX SPIKE SAMPLE: 2268959

Parameter	Units	40231513001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	<0.017	0.25	0.25	95	75-125	
Barium	mg/L	0.17	0.25	0.40	91	75-125	
Cadmium	mg/L	<0.0027	0.25	0.25	98	75-125	
Chromium	mg/L	<0.0051	0.25	0.23	92	75-125	
Copper	mg/L	<0.0067	0.25	0.25	99	75-125	
Lead	mg/L	<0.012	0.25	0.23	90	75-125	
Nickel	mg/L	0.024	0.25	0.25	91	75-125	
Selenium	mg/L	<0.024	0.25	0.24	97	75-125	
Silver	mg/L	<0.0064	0.12	0.12	97	75-125	
Zinc	mg/L	0.22	0.25	0.44	88	75-125	

MATRIX SPIKE SAMPLE: 2268960

Parameter	Units	40231433001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	1.1	0.25	1.4	118	75-125	
Barium	mg/L	<0.030	0.25	0.28	110	75-125	
Cadmium	mg/L	<0.027	0.25	0.25	101	75-125	
Chromium	mg/L	<0.051	0.25	0.30	103	75-125	
Copper	mg/L	<0.067	0.25	0.31	109	75-125	

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QUALITY CONTROL DATA

Project: 11717 FORMER RMG/NAVISTAR
Pace Project No.: 40231607

MATRIX SPIKE SAMPLE:		2268960					
Parameter	Units	40231433001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	<0.12	0.25	0.28J	96	75-125	
Nickel	mg/L	<0.052	0.25	0.28	110	75-125	
Selenium	mg/L	0.56J	0.25	0.81	102	75-125	
Silver	mg/L	<0.064	0.12	0.15J	118	75-125	
Zinc	mg/L	<0.23	0.25	0.30J	110	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		2268961			2268962							
Parameter	Units	40231607001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	0.011J	0.25	0.25	0.25	0.24	96	93	75-125	2	20	
Barium	mg/L	0.42	0.25	0.25	0.67	0.65	100	93	75-125	2	20	
Cadmium	mg/L	0.0020J	0.25	0.25	0.25	0.24	100	96	75-125	4	20	
Chromium	mg/L	<0.0025	0.25	0.25	0.24	0.23	96	93	75-125	3	20	
Copper	mg/L	0.0065J	0.25	0.25	0.25	0.25	99	96	75-125	3	20	
Lead	mg/L	0.0074J	0.25	0.25	0.24	0.23	93	87	75-125	6	20	
Nickel	mg/L	0.0088J	0.25	0.25	0.24	0.23	93	90	75-125	4	20	
Selenium	mg/L	<0.012	0.25	0.25	0.26	0.26	105	103	75-125	2	20	
Silver	mg/L	<0.0032	0.12	0.12	0.13	0.12	102	97	75-125	5	20	
Zinc	mg/L	0.12	0.25	0.25	0.35	0.34	91	86	75-125	3	20	

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QUALITY CONTROL DATA

Project: 11717 FORMER RMG/NAVISTAR
Pace Project No.: 40231607

QC Batch: 393125 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40231607001, 40231607002

METHOD BLANK: 2268393 Matrix: Solid

Associated Lab Samples: 40231607001, 40231607002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<12.0	50.0	08/16/21 09:55	
1,1,1-Trichloroethane	ug/kg	<12.8	50.0	08/16/21 09:55	
1,1,2,2-Tetrachloroethane	ug/kg	<18.1	50.0	08/16/21 09:55	
1,1,2-Trichloroethane	ug/kg	<18.2	50.0	08/16/21 09:55	
1,1-Dichloroethane	ug/kg	<12.8	50.0	08/16/21 09:55	
1,1-Dichloroethene	ug/kg	<16.6	50.0	08/16/21 09:55	
1,1-Dichloropropene	ug/kg	<16.2	50.0	08/16/21 09:55	
1,2,3-Trichlorobenzene	ug/kg	<55.7	250	08/16/21 09:55	
1,2,3-Trichloropropane	ug/kg	<24.3	50.0	08/16/21 09:55	
1,2,4-Trichlorobenzene	ug/kg	<41.2	250	08/16/21 09:55	
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	08/16/21 09:55	
1,2-Dibromo-3-chloropropane	ug/kg	<38.8	250	08/16/21 09:55	
1,2-Dibromoethane (EDB)	ug/kg	<13.7	50.0	08/16/21 09:55	
1,2-Dichlorobenzene	ug/kg	<15.5	50.0	08/16/21 09:55	
1,2-Dichloroethane	ug/kg	<11.5	50.0	08/16/21 09:55	
1,2-Dichloropropane	ug/kg	<11.9	50.0	08/16/21 09:55	
1,3,5-Trimethylbenzene	ug/kg	<16.1	50.0	08/16/21 09:55	
1,3-Dichlorobenzene	ug/kg	<13.7	50.0	08/16/21 09:55	
1,3-Dichloropropane	ug/kg	<10.9	50.0	08/16/21 09:55	
1,4-Dichlorobenzene	ug/kg	<13.7	50.0	08/16/21 09:55	
2,2-Dichloropropane	ug/kg	<13.5	50.0	08/16/21 09:55	
2-Butanone (MEK)	ug/kg	<158	1250	08/16/21 09:55	
2-Chlorotoluene	ug/kg	<16.2	50.0	08/16/21 09:55	
4-Chlorotoluene	ug/kg	<19.0	50.0	08/16/21 09:55	
Benzene	ug/kg	<11.9	20.0	08/16/21 09:55	
Bromobenzene	ug/kg	<19.5	50.0	08/16/21 09:55	
Bromochloromethane	ug/kg	<13.7	50.0	08/16/21 09:55	
Bromodichloromethane	ug/kg	<11.9	50.0	08/16/21 09:55	
Bromoform	ug/kg	<220	250	08/16/21 09:55	
Bromomethane	ug/kg	<70.1	250	08/16/21 09:55	
Carbon tetrachloride	ug/kg	<11.0	50.0	08/16/21 09:55	
Chlorobenzene	ug/kg	<6.0	50.0	08/16/21 09:55	
Chloroethane	ug/kg	<21.1	250	08/16/21 09:55	
Chloroform	ug/kg	<35.8	250	08/16/21 09:55	
Chloromethane	ug/kg	<19.0	50.0	08/16/21 09:55	
cis-1,2-Dichloroethene	ug/kg	<10.7	50.0	08/16/21 09:55	
cis-1,3-Dichloropropene	ug/kg	<33.0	250	08/16/21 09:55	
Dibromochloromethane	ug/kg	<171	250	08/16/21 09:55	
Dibromomethane	ug/kg	<14.8	50.0	08/16/21 09:55	
Dichlorodifluoromethane	ug/kg	<21.5	50.0	08/16/21 09:55	

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QUALITY CONTROL DATA

Project: 11717 FORMER RMG/NAVISTAR
Pace Project No.: 40231607

METHOD BLANK: 2268393 Matrix: Solid
Associated Lab Samples: 40231607001, 40231607002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	<12.4	50.0	08/16/21 09:55	
Ethylbenzene	ug/kg	<11.9	50.0	08/16/21 09:55	
Hexachloro-1,3-butadiene	ug/kg	<99.4	250	08/16/21 09:55	
Isopropylbenzene (Cumene)	ug/kg	<13.5	50.0	08/16/21 09:55	
m&p-Xylene	ug/kg	<21.1	100	08/16/21 09:55	
Methyl-tert-butyl ether	ug/kg	<14.7	50.0	08/16/21 09:55	
Methylene Chloride	ug/kg	<13.9	50.0	08/16/21 09:55	
n-Butylbenzene	ug/kg	<22.9	50.0	08/16/21 09:55	
n-Propylbenzene	ug/kg	<12.0	50.0	08/16/21 09:55	
Naphthalene	ug/kg	<15.6	250	08/16/21 09:55	
o-Xylene	ug/kg	<15.0	50.0	08/16/21 09:55	
p-Isopropyltoluene	ug/kg	<15.2	50.0	08/16/21 09:55	
sec-Butylbenzene	ug/kg	<12.2	50.0	08/16/21 09:55	
Styrene	ug/kg	<12.8	50.0	08/16/21 09:55	
tert-Butylbenzene	ug/kg	<15.7	50.0	08/16/21 09:55	
Tetrachloroethene	ug/kg	<19.4	50.0	08/16/21 09:55	
Toluene	ug/kg	<12.6	50.0	08/16/21 09:55	
trans-1,2-Dichloroethene	ug/kg	<10.8	50.0	08/16/21 09:55	
trans-1,3-Dichloropropene	ug/kg	<143	250	08/16/21 09:55	
Trichloroethene	ug/kg	<18.7	50.0	08/16/21 09:55	
Trichlorofluoromethane	ug/kg	<14.5	50.0	08/16/21 09:55	
Vinyl chloride	ug/kg	<10.1	50.0	08/16/21 09:55	
1,2-Dichlorobenzene-d4 (S)	%	95	82-158	08/16/21 09:55	
4-Bromofluorobenzene (S)	%	98	66-153	08/16/21 09:55	
Toluene-d8 (S)	%	100	67-159	08/16/21 09:55	

LABORATORY CONTROL SAMPLE: 2268394

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2240	90	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2590	104	65-129	
1,1,2-Trichloroethane	ug/kg	2500	2560	102	70-130	
1,1-Dichloroethane	ug/kg	2500	2650	106	70-130	
1,1-Dichloroethene	ug/kg	2500	2300	92	67-120	
1,2,4-Trichlorobenzene	ug/kg	2500	2030	81	64-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2290	92	57-119	
1,2-Dibromoethane (EDB)	ug/kg	2500	2450	98	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2380	95	70-130	
1,2-Dichloroethane	ug/kg	2500	2630	105	70-130	
1,2-Dichloropropane	ug/kg	2500	2650	106	72-118	
1,3-Dichlorobenzene	ug/kg	2500	2380	95	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2300	92	70-130	
Benzene	ug/kg	2500	2560	103	70-130	
Bromodichloromethane	ug/kg	2500	2330	93	70-130	

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QUALITY CONTROL DATA

Project: 11717 FORMER RMG/NAVISTAR

Pace Project No.: 40231607

LABORATORY CONTROL SAMPLE: 2268394

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/kg	2500	1940	78	66-130	
Bromomethane	ug/kg	2500	1960	78	13-153	
Carbon tetrachloride	ug/kg	2500	2060	82	73-134	
Chlorobenzene	ug/kg	2500	2480	99	70-130	
Chloroethane	ug/kg	2500	2240	89	19-170	
Chloroform	ug/kg	2500	2520	101	79-120	
Chloromethane	ug/kg	2500	2730	109	45-117	
cis-1,2-Dichloroethene	ug/kg	2500	2410	96	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2520	101	68-130	
Dibromochloromethane	ug/kg	2500	2150	86	70-130	
Dichlorodifluoromethane	ug/kg	2500	1660	66	15-135	
Ethylbenzene	ug/kg	2500	2410	97	78-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2290	92	70-130	
m&p-Xylene	ug/kg	5000	4890	98	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2500	100	65-130	
Methylene Chloride	ug/kg	2500	2530	101	70-130	
o-Xylene	ug/kg	2500	2430	97	70-130	
Styrene	ug/kg	2500	2540	101	70-130	
Tetrachloroethene	ug/kg	2500	2260	90	70-130	
Toluene	ug/kg	2500	2500	100	76-120	
trans-1,2-Dichloroethene	ug/kg	2500	2470	99	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2420	97	70-130	
Trichloroethene	ug/kg	2500	2510	101	70-130	
Trichlorofluoromethane	ug/kg	2500	2180	87	49-153	
Vinyl chloride	ug/kg	2500	2700	108	58-121	
1,2-Dichlorobenzene-d4 (S)	%			97	82-158	
4-Bromofluorobenzene (S)	%			100	66-153	
Toluene-d8 (S)	%			100	67-159	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2268395 2268396

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40231551010 Result	Spike Conc.	Spike Conc.	Result								
1,1,1-Trichloroethane	ug/kg	<18.6	1450	1450	1160	1230	80	85	70-130	6	20		
1,1,2,2-Tetrachloroethane	ug/kg	<26.3	1450	1450	1550	1630	107	112	65-129	4	20		
1,1,2-Trichloroethane	ug/kg	<26.4	1450	1450	1470	1460	101	101	70-130	1	20		
1,1-Dichloroethane	ug/kg	<18.6	1450	1450	1550	1520	107	105	70-130	2	20		
1,1-Dichloroethene	ug/kg	<24.1	1450	1450	1180	1330	81	92	64-120	12	20		
1,2,4-Trichlorobenzene	ug/kg	<59.9	1450	1450	1360	1330	92	90	64-130	2	20		
1,2-Dibromo-3-chloropropane	ug/kg	<56.4	1450	1450	1690	1580	117	109	57-130	7	21		
1,2-Dibromoethane (EDB)	ug/kg	<19.9	1450	1450	1480	1430	102	98	70-130	3	20		
1,2-Dichlorobenzene	ug/kg	<22.5	1450	1450	1560	1530	107	106	70-130	2	20		
1,2-Dichloroethane	ug/kg	<16.7	1450	1450	1560	1530	107	105	70-130	2	20		
1,2-Dichloropropane	ug/kg	<17.3	1450	1450	1520	1540	104	106	72-122	1	20		

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QUALITY CONTROL DATA

Project: 11717 FORMER RMG/NAVISTAR

Pace Project No.: 40231607

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2268395		2268396		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40231551010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,3-Dichlorobenzene	ug/kg	<19.9	1450	1450	1520	1520	104	104	70-130	0	20		
1,4-Dichlorobenzene	ug/kg	<19.9	1450	1450	1520	1500	104	103	70-130	1	20		
Benzene	ug/kg	<17.3	1450	1450	1460	1460	101	101	70-130	0	20		
Bromodichloromethane	ug/kg	<17.3	1450	1450	1320	1380	91	95	70-130	5	20		
Bromoform	ug/kg	<320	1450	1450	1110	1080	77	75	66-130	3	20		
Bromomethane	ug/kg	<102	1450	1450	1140	1180	78	81	13-153	4	20		
Carbon tetrachloride	ug/kg	<16.0	1450	1450	1050	1090	72	75	67-134	4	20		
Chlorobenzene	ug/kg	<8.7	1450	1450	1480	1470	102	101	70-130	0	20		
Chloroethane	ug/kg	<30.7	1450	1450	1150	1180	79	81	11-195	3	20		
Chloroform	ug/kg	<52.0	1450	1450	1460	1450	100	100	79-120	1	20		
Chloromethane	ug/kg	<27.6	1450	1450	1720	1670	118	115	30-136	3	20		
cis-1,2-Dichloroethene	ug/kg	<15.5	1450	1450	1410	1390	97	96	70-130	2	20		
cis-1,3-Dichloropropene	ug/kg	<48.0	1450	1450	1400	1430	96	99	68-130	3	20		
Dibromochloromethane	ug/kg	<248	1450	1450	1240	1240	85	85	70-130	0	20		
Dichlorodifluoromethane	ug/kg	<31.2	1450	1450	805	876	55	60	10-158	8	25		
Ethylbenzene	ug/kg	<17.3	1450	1450	1410	1400	97	96	78-120	1	20		
Isopropylbenzene (Cumene)	ug/kg	<19.6	1450	1450	1290	1330	89	92	70-130	3	20		
m&p-Xylene	ug/kg	<30.7	2910	2910	2840	2780	98	96	70-130	2	20		
Methyl-tert-butyl ether	ug/kg	<21.4	1450	1450	1440	1470	99	101	65-130	2	20		
Methylene Chloride	ug/kg	<20.2	1450	1450	1490	1460	103	101	70-130	2	20		
o-Xylene	ug/kg	<21.8	1450	1450	1420	1410	97	97	70-130	0	20		
Styrene	ug/kg	<18.6	1450	1450	1460	1430	100	99	70-130	2	20		
Tetrachloroethene	ug/kg	<28.2	1450	1450	1220	1230	84	85	70-130	1	20		
Toluene	ug/kg	<18.3	1450	1450	1440	1440	99	99	76-120	0	20		
trans-1,2-Dichloroethene	ug/kg	<15.7	1450	1450	1390	1430	96	99	70-130	3	20		
trans-1,3-Dichloropropene	ug/kg	<208	1450	1450	1420	1360	98	94	70-130	4	20		
Trichloroethene	ug/kg	<27.2	1450	1450	1380	1360	95	93	70-130	2	20		
Trichlorofluoromethane	ug/kg	<21.1	1450	1450	1050	1130	72	78	42-159	8	21		
Vinyl chloride	ug/kg	<14.7	1450	1450	1740	1800	120	124	43-137	3	20		
1,2-Dichlorobenzene-d4 (S)	%						114	113	82-158				
4-Bromofluorobenzene (S)	%						111	114	66-153				
Toluene-d8 (S)	%						108	104	67-159				

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QUALITY CONTROL DATA

Project: 11717 FORMER RMG/NAVISTAR
Pace Project No.: 40231607

QC Batch: 393316 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV TCLP
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40231607001, 40231607002

METHOD BLANK: 2269134 Matrix: Water

Associated Lab Samples: 40231607001, 40231607002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	mg/L	<0.00058	0.0010	08/17/21 17:15	
1,2-Dichloroethane	mg/L	<0.00029	0.0010	08/17/21 17:15	
2-Butanone (MEK)	mg/L	<0.0065	0.025	08/17/21 17:15	
Benzene	mg/L	<0.00030	0.0010	08/17/21 17:15	
Carbon tetrachloride	mg/L	<0.00037	0.0010	08/17/21 17:15	
Chlorobenzene	mg/L	<0.00086	0.0010	08/17/21 17:15	
Chloroform	mg/L	<0.0012	0.0050	08/17/21 17:15	
Tetrachloroethene	mg/L	<0.00041	0.0010	08/17/21 17:15	
Trichloroethene	mg/L	<0.00032	0.0010	08/17/21 17:15	
Vinyl chloride	mg/L	<0.00017	0.0010	08/17/21 17:15	
1,2-Dichlorobenzene-d4 (S)	%	105	70-130	08/17/21 17:15	
4-Bromofluorobenzene (S)	%	101	70-130	08/17/21 17:15	
Toluene-d8 (S)	%	98	70-130	08/17/21 17:15	

METHOD BLANK: 2268408 Matrix: Solid

Associated Lab Samples: 40231607001, 40231607002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	mg/L	<0.0058	0.010	08/17/21 21:09	
1,2-Dichloroethane	mg/L	<0.0029	0.010	08/17/21 21:09	
2-Butanone (MEK)	mg/L	<0.065	0.25	08/17/21 21:09	
Benzene	mg/L	<0.0030	0.010	08/17/21 21:09	
Carbon tetrachloride	mg/L	<0.0037	0.010	08/17/21 21:09	
Chlorobenzene	mg/L	<0.0086	0.010	08/17/21 21:09	
Chloroform	mg/L	<0.012	0.050	08/17/21 21:09	
Tetrachloroethene	mg/L	<0.0041	0.010	08/17/21 21:09	
Trichloroethene	mg/L	<0.0032	0.010	08/17/21 21:09	
Vinyl chloride	mg/L	<0.0017	0.010	08/17/21 21:09	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130	08/17/21 21:09	
4-Bromofluorobenzene (S)	%	99	70-130	08/17/21 21:09	
Toluene-d8 (S)	%	96	70-130	08/17/21 21:09	

LABORATORY CONTROL SAMPLE: 2269135

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	mg/L	0.05	0.054	107	85-126	
1,2-Dichloroethane	mg/L	0.05	0.058	116	70-130	

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QUALITY CONTROL DATA

Project: 11717 FORMER RMG/NAVISTAR

Pace Project No.: 40231607

LABORATORY CONTROL SAMPLE: 2269135

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	mg/L	0.05	0.058	116	70-132	
Carbon tetrachloride	mg/L	0.05	0.059	118	70-130	
Chlorobenzene	mg/L	0.05	0.054	109	70-130	
Chloroform	mg/L	0.05	0.060	121	80-122	
Tetrachloroethene	mg/L	0.05	0.053	107	70-130	
Trichloroethene	mg/L	0.05	0.057	113	70-130	
Vinyl chloride	mg/L	0.05	0.043	87	63-142	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2269154 2269155

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		10573796001 Result	Spike Conc.	Spike Conc.	Conc.							
1,1-Dichloroethene	mg/L	ND	0.5	0.5	0.51	0.49	102	99	76-132	3	20	
1,2-Dichloroethane	mg/L	ND	0.5	0.5	0.59	0.59	119	118	70-130	1	20	
Benzene	mg/L	ND	0.5	0.5	0.58	0.58	116	116	70-132	0	20	
Carbon tetrachloride	mg/L	ND	0.5	0.5	0.59	0.58	117	117	70-132	0	20	
Chlorobenzene	mg/L	ND	0.5	0.5	0.56	0.55	112	110	70-130	2	20	
Chloroform	mg/L	ND	0.5	0.5	0.59	0.60	117	119	80-122	2	20	
Tetrachloroethene	mg/L	ND	0.5	0.5	0.53	0.53	107	105	70-130	2	20	
Trichloroethene	mg/L	ND	0.5	0.5	0.56	0.55	112	111	70-130	1	20	
Vinyl chloride	mg/L	ND	0.5	0.5	0.37	0.39	74	78	61-143	4	20	
1,2-Dichlorobenzene-d4 (S)	%						100	97	70-130			
4-Bromofluorobenzene (S)	%						103	100	70-130			
Toluene-d8 (S)	%						99	99	70-130			

MATRIX SPIKE SAMPLE: 2269156

Parameter	Units	40231513001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	mg/L	<5.8 ug/L	0.5	0.50	100	76-132	
1,2-Dichloroethane	mg/L	<2.9 ug/L	0.5	0.56	111	70-130	
Benzene	mg/L	<3.0 ug/L	0.5	0.56	111	70-132	
Carbon tetrachloride	mg/L	<3.7 ug/L	0.5	0.57	114	70-132	
Chlorobenzene	mg/L	<8.6 ug/L	0.5	0.54	108	70-130	
Chloroform	mg/L	<11.8 ug/L	0.5	0.57	113	80-122	
Tetrachloroethene	mg/L	<4.1 ug/L	0.5	0.51	102	70-130	
Trichloroethene	mg/L	<3.2 ug/L	0.5	0.54	109	70-130	
Vinyl chloride	mg/L	<1.7 ug/L	0.5	0.38	76	61-143	
1,2-Dichlorobenzene-d4 (S)	%				101	70-130	
4-Bromofluorobenzene (S)	%				102	70-130	
Toluene-d8 (S)	%				97	70-130	

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QUALITY CONTROL DATA

Project: 11717 FORMER RMG/NAVISTAR

Pace Project No.: 40231607

MATRIX SPIKE SAMPLE: 2269158		40231680001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,1-Dichloroethene	mg/L	<0.0058	0.5	0.49	99	76-132	
1,2-Dichloroethane	mg/L	<0.0029	0.5	0.55	111	70-130	
Benzene	mg/L	<0.0030	0.5	0.54	108	70-132	
Carbon tetrachloride	mg/L	<0.0037	0.5	0.55	110	70-132	
Chlorobenzene	mg/L	<0.0086	0.5	0.53	105	70-130	
Chloroform	mg/L	<0.012	0.5	0.57	113	80-122	
Tetrachloroethene	mg/L	<0.0041	0.5	0.50	101	70-130	
Trichloroethene	mg/L	<0.0032	0.5	0.52	105	70-130	
Vinyl chloride	mg/L	<0.0017	0.5	0.40	80	61-143	
1,2-Dichlorobenzene-d4 (S)	%				101	70-130	
4-Bromofluorobenzene (S)	%				98	70-130	
Toluene-d8 (S)	%				99	70-130	

MATRIX SPIKE SAMPLE: 2269164		10574469001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,1-Dichloroethene	mg/L	ND	0.5	0.51	101	76-132	
1,2-Dichloroethane	mg/L	ND	0.5	0.56	111	70-130	
Benzene	mg/L	ND	0.5	0.55	111	70-132	
Carbon tetrachloride	mg/L	ND	0.5	0.58	117	70-132	
Chlorobenzene	mg/L	ND	0.5	0.53	107	70-130	
Chloroform	mg/L	ND	0.5	0.58	116	80-122	
Tetrachloroethene	mg/L	ND	0.5	0.51	101	70-130	
Trichloroethene	mg/L	ND	0.5	0.54	108	70-130	
Vinyl chloride	mg/L	ND	0.5	0.39	78	61-143	
1,2-Dichlorobenzene-d4 (S)	%				100	70-130	
4-Bromofluorobenzene (S)	%				102	70-130	
Toluene-d8 (S)	%				98	70-130	

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QUALITY CONTROL DATA

Project: 11717 FORMER RMG/NAVISTAR
Pace Project No.: 40231607

QC Batch: 393080 Analysis Method: EPA 8082
QC Batch Method: EPA 3541 Analysis Description: 8082 GCS PCB
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40231607001, 40231607002

METHOD BLANK: 2268269 Matrix: Solid

Associated Lab Samples: 40231607001, 40231607002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<15.2	50.0	08/16/21 21:57	
PCB-1221 (Aroclor 1221)	ug/kg	<15.2	50.0	08/16/21 21:57	
PCB-1232 (Aroclor 1232)	ug/kg	<15.2	50.0	08/16/21 21:57	
PCB-1242 (Aroclor 1242)	ug/kg	<15.2	50.0	08/16/21 21:57	
PCB-1248 (Aroclor 1248)	ug/kg	<15.2	50.0	08/16/21 21:57	
PCB-1254 (Aroclor 1254)	ug/kg	<15.2	50.0	08/16/21 21:57	
PCB-1260 (Aroclor 1260)	ug/kg	<15.2	50.0	08/16/21 21:57	
Decachlorobiphenyl (S)	%	108	47-114	08/16/21 21:57	
Tetrachloro-m-xylene (S)	%	88	67-102	08/16/21 21:57	

LABORATORY CONTROL SAMPLE: 2268270

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		<15.2			
PCB-1221 (Aroclor 1221)	ug/kg		<15.2			
PCB-1232 (Aroclor 1232)	ug/kg		<15.2			
PCB-1242 (Aroclor 1242)	ug/kg		<15.2			
PCB-1248 (Aroclor 1248)	ug/kg		<15.2			
PCB-1254 (Aroclor 1254)	ug/kg		<15.2			
PCB-1260 (Aroclor 1260)	ug/kg	500	449	90	69-115	
Decachlorobiphenyl (S)	%			106	47-114	
Tetrachloro-m-xylene (S)	%			90	67-102	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2268271 2268272

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40231599007 Result	Spike Conc.	Spike Conc.	Result						
PCB-1016 (Aroclor 1016)	ug/kg	<48.8			<48.8	<48.8					20
PCB-1221 (Aroclor 1221)	ug/kg	<48.8			<48.8	<48.8					20
PCB-1232 (Aroclor 1232)	ug/kg	<48.8			<48.8	<48.8					20
PCB-1242 (Aroclor 1242)	ug/kg	65.6J			<48.8	<48.8					20
PCB-1248 (Aroclor 1248)	ug/kg	<48.8			<48.8	<48.8					20
PCB-1254 (Aroclor 1254)	ug/kg	<48.8			<48.8	<48.8					20
PCB-1260 (Aroclor 1260)	ug/kg	976	534	534	1370	1320	73	65	45-120	3	20
Decachlorobiphenyl (S)	%						95	93	47-114		
Tetrachloro-m-xylene (S)	%						84	83	67-102		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11717 FORMER RMG/NAVISTAR
Pace Project No.: 40231607

QC Batch: 393270 Analysis Method: EPA 8270E
QC Batch Method: EPA 3510 Analysis Description: 8270E TCLP MSSV
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40231607001, 40231607002

METHOD BLANK: 2268946 Matrix: Water
Associated Lab Samples: 40231607001, 40231607002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	mg/L	<0.0029	0.010	08/18/21 09:33	
2,4,5-Trichlorophenol	mg/L	<0.0013	0.010	08/18/21 09:33	
2,4,6-Trichlorophenol	mg/L	<0.0016	0.010	08/18/21 09:33	
2,4-Dinitrotoluene	mg/L	<0.0021	0.010	08/18/21 09:33	
2-Methylphenol(o-Cresol)	mg/L	<0.0019	0.010	08/18/21 09:33	
3&4-Methylphenol(m&p Cresol)	mg/L	<0.0012	0.010	08/18/21 09:33	
Hexachloro-1,3-butadiene	mg/L	<0.0033	0.010	08/18/21 09:33	
Hexachlorobenzene	mg/L	<0.0023	0.011	08/18/21 09:33	
Hexachloroethane	mg/L	<0.0028	0.010	08/18/21 09:33	
Nitrobenzene	mg/L	<0.0021	0.010	08/18/21 09:33	
Pentachlorophenol	mg/L	<0.0091	0.030	08/18/21 09:33	
Phenol	mg/L	<0.00064	0.010	08/18/21 09:33	
Pyridine	mg/L	<0.0030	0.010	08/18/21 09:33	
2,4,6-Tribromophenol (S)	%	95	62-172	08/18/21 09:33	
2-Fluorobiphenyl (S)	%	83	54-107	08/18/21 09:33	
Nitrobenzene-d5 (S)	%	92	41-118	08/18/21 09:33	
Phenol-d6 (S)	%	37	12-120	08/18/21 09:33	

METHOD BLANK: 2268407 Matrix: Water
Associated Lab Samples: 40231607001, 40231607002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	mg/L	<0.014	0.050	08/18/21 13:49	
2,4,5-Trichlorophenol	mg/L	<0.0064	0.050	08/18/21 13:49	
2,4,6-Trichlorophenol	mg/L	<0.0080	0.050	08/18/21 13:49	
2,4-Dinitrotoluene	mg/L	<0.011	0.050	08/18/21 13:49	
2-Methylphenol(o-Cresol)	mg/L	<0.0093	0.050	08/18/21 13:49	
3&4-Methylphenol(m&p Cresol)	mg/L	<0.0061	0.050	08/18/21 13:49	
Hexachloro-1,3-butadiene	mg/L	<0.017	0.050	08/18/21 13:49	
Hexachlorobenzene	mg/L	<0.011	0.055	08/18/21 13:49	
Hexachloroethane	mg/L	<0.014	0.050	08/18/21 13:49	
Nitrobenzene	mg/L	<0.011	0.050	08/18/21 13:49	
Pentachlorophenol	mg/L	<0.046	0.15	08/18/21 13:49	
Phenol	mg/L	<0.0032	0.050	08/18/21 13:49	
Pyridine	mg/L	<0.015	0.050	08/18/21 13:49	
2,4,6-Tribromophenol (S)	%	93	62-172	08/18/21 13:49	
2-Fluorobiphenyl (S)	%	84	54-107	08/18/21 13:49	
Nitrobenzene-d5 (S)	%	93	41-118	08/18/21 13:49	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11717 FORMER RMG/NAVISTAR
Pace Project No.: 40231607

METHOD BLANK: 2268407 Matrix: Water
Associated Lab Samples: 40231607001, 40231607002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phenol-d6 (S)	%	37	12-120	08/18/21 13:49	

LABORATORY CONTROL SAMPLE: 2268947

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	mg/L	0.05	0.032	65	46-89	
2,4,5-Trichlorophenol	mg/L	0.05	0.049	98	60-122	
2,4,6-Trichlorophenol	mg/L	0.05	0.051	102	59-119	
2,4-Dinitrotoluene	mg/L	0.05	0.053	105	70-130	
2-Methylphenol(o-Cresol)	mg/L	0.05	0.044	87	47-130	
3&4-Methylphenol(m&p Cresol)	mg/L	0.05	0.040	80	43-130	
Hexachloro-1,3-butadiene	mg/L	0.05	0.027	54	51-103	
Hexachlorobenzene	mg/L	0.05	0.052	103	70-130	
Hexachloroethane	mg/L	0.05	0.026	52	35-102	
Nitrobenzene	mg/L	0.05	0.049	98	70-130	
Pentachlorophenol	mg/L	0.05	0.039	78	53-101	
Phenol	mg/L	0.05	0.021	43	28-120	
Pyridine	mg/L	0.05	0.035	70	10-130	
2,4,6-Tribromophenol (S)	%			101	62-172	
2-Fluorobiphenyl (S)	%			95	54-107	
Nitrobenzene-d5 (S)	%			97	41-118	
Phenol-d6 (S)	%			39	12-120	

MATRIX SPIKE SAMPLE: 2268948

Parameter	Units	40231513001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	mg/L	<14.4 ug/L	0.25	0.16	63	46-99	
2,4,5-Trichlorophenol	mg/L	<6.4 ug/L	0.25	0.24	95	24-139	
2,4,6-Trichlorophenol	mg/L	<8.0 ug/L	0.25	0.25	100	18-131	
2,4-Dinitrotoluene	mg/L	<10.6 ug/L	0.25	0.23	93	22-158	
2-Methylphenol(o-Cresol)	mg/L	<9.3 ug/L	0.25	0.21	83	29-130	
3&4-Methylphenol(m&p Cresol)	mg/L	<6.1 ug/L	0.25	0.19	78	19-130	
Hexachloro-1,3-butadiene	mg/L	<16.5 ug/L	0.25	0.14	56	51-113	
Hexachlorobenzene	mg/L	<11.5 ug/L	0.25	0.25	99	70-130	
Hexachloroethane	mg/L	<14.2 ug/L	0.25	0.13	52	35-102	
Nitrobenzene	mg/L	<10.7 ug/L	0.25	0.23	92	51-130	
Pentachlorophenol	mg/L	<45.5 ug/L	0.25	0.22	90	10-200	
Phenol	mg/L	<3.2 ug/L	0.25	0.10	42	14-120	
Pyridine	mg/L	<15.1 ug/L	0.25	0.18	73	10-130	
2,4,6-Tribromophenol (S)	%				94	62-172	
2-Fluorobiphenyl (S)	%				86	54-107	
Nitrobenzene-d5 (S)	%				87	41-118	

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QUALITY CONTROL DATA

Project: 11717 FORMER RMG/NAVISTAR
Pace Project No.: 40231607

MATRIX SPIKE SAMPLE:		2268948					
Parameter	Units	40231513001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phenol-d6 (S)	%					38	12-120

MATRIX SPIKE SAMPLE:		2268949					
Parameter	Units	40231531001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	mg/L	<0.014	0.25	0.12	49	46-99	
2,4,5-Trichlorophenol	mg/L	<0.0064	0.25	0.23	92	24-139	
2,4,6-Trichlorophenol	mg/L	<0.0080	0.25	0.25	99	18-131	
2,4-Dinitrotoluene	mg/L	<0.011	0.25	0.25	101	22-158	
2-Methylphenol(o-Cresol)	mg/L	<0.0093	0.25	0.21	84	29-130	
3&4-Methylphenol(m&p Cresol)	mg/L	<0.0061	0.25	0.19	77	19-130	
Hexachloro-1,3-butadiene	mg/L	<0.017	0.25	0.10	42	51-113	M1
Hexachlorobenzene	mg/L	<0.011	0.25	0.25	100	70-130	
Hexachloroethane	mg/L	<0.014	0.25	0.085	34	35-102	M1
Nitrobenzene	mg/L	<0.011	0.25	0.23	91	51-130	
Pentachlorophenol	mg/L	<0.046	0.25	0.21	83	10-200	
Phenol	mg/L	<0.0032	0.25	0.11	42	14-120	
Pyridine	mg/L	<0.015	0.25	0.18	71	10-130	
2,4,6-Tribromophenol (S)	%				99	62-172	
2-Fluorobiphenyl (S)	%				87	54-107	
Nitrobenzene-d5 (S)	%				90	41-118	
Phenol-d6 (S)	%				38	12-120	

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QUALITY CONTROL DATA

Project: 11717 FORMER RMG/NAVISTAR

Pace Project No.: 40231607

QC Batch: 393114

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40231607001, 40231607002

SAMPLE DUPLICATE: 2268358

Parameter	Units	40231681002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	23.3	23.1	1	10	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 11717 FORMER RMG/NAVISTAR

Pace Project No.: 40231607

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.

SAMPLE QUALIFIERS

Sample: 40231607001

[1] Sample container used for ZHE had headspace.

Sample: 40231607002

[1] Sample container used for ZHE had headspace.

ANALYTE QUALIFIERS

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 11717 FORMER RMG/NAVISTAR
Pace Project No.: 40231607

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40231607001	WP-SOUTHWEST	EPA 3541	393080	EPA 8082	393092
40231607002	WP-SOUTH	EPA 3541	393080	EPA 8082	393092
40231607001	WP-SOUTHWEST	EPA 3010A	393274	EPA 6010D	393371
40231607002	WP-SOUTH	EPA 3010A	393274	EPA 6010D	393371
40231607001	WP-SOUTHWEST	EPA 7470	393373	EPA 7470	393420
40231607002	WP-SOUTH	EPA 7470	393373	EPA 7470	393420
40231607001	WP-SOUTHWEST	EPA 3510	393270	EPA 8270E	393335
40231607002	WP-SOUTH	EPA 3510	393270	EPA 8270E	393335
40231607001	WP-SOUTHWEST	EPA 5035/5030B	393125	EPA 8260	393126
40231607002	WP-SOUTH	EPA 5035/5030B	393125	EPA 8260	393126
40231607001	WP-SOUTHWEST	EPA 8260	393316		
40231607002	WP-SOUTH	EPA 8260	393316		
40231607001	WP-SOUTHWEST	ASTM D2974-87	393114		
40231607002	WP-SOUTH	ASTM D2974-87	393114		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: **KPFG AND ASSOCIATES**
 Branch/Location: **WI**
 Project Contact: **RICHARD GNAT**
 Phone: **262-781-0475**
 Project Number: **11717**
 Project Name: **FORMER RMG/NAVISTAR**
 Project State: **WI**
 Sampled By (Print): **PATRICK ALLENSTEIN**
 Sampled By (Sign): *[Signature]*
 PO #: _____ Regulatory Program: _____



UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

40231607

CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	Pick Letter	Analyses Requested																
	A	A	A	A	F													
		TCLP METALS *	TCLP SVOC	TCLP VOC	PCB	VOC												

Quote #: _____
Mail To Contact: **SAME**
Mail To Company: **SAME**
Mail To Address: **14665 W. LISBON RD, 1A
BROOKFIELD, WI 53005**
Invoice To Contact: **SAME**
Invoice To Company: **SAME**
Invoice To Address: **SAME**
Invoice To Phone: **SAME**
CLIENT COMMENTS: _____
LAB COMMENTS (Lab Use Only): _____
Profile #: _____

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION			MATRIX	Y/N	Pick Letter	Analyses Requested										
		DATE	TIME															
001	WP-SOUTHWEST	8/12/21	900	S		X	X	X	X	X								
002	WP-SOUTH	8/12/21	930	S		X	X	X	X	X								

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed: _____

Transmit Prelim Rush Results by (complete what you want):

Relinquished By: <i>[Signature]</i>	Date/Time: 8-12-21 1500	Received By: CS LOGISTICS	Date/Time: 8-12-21 1500
Relinquished By: CS LOGISTICS	Date/Time: 8/13/21 0720	Received By: M Bensen Pace	Date/Time: 8/13/21 0720
Relinquished By: _____	Date/Time: _____	Received By: _____	Date/Time: _____
Relinquished By: _____	Date/Time: _____	Received By: _____	Date/Time: _____
Relinquished By: _____	Date/Time: _____	Received By: _____	Date/Time: _____

PACE Project No.: 40231607
Receipt Temp = 1.5 °C
Sample Receipt pH: OK / Adjusted
Cooler Custody Seal: Present / Not Present
Intact / Not Intact



Document Name:
Sample Condition Upon Receipt (SCUR)
 Document No.:
ENV-FRM-GBAY-0014-Rev.00

Document Revised: 26Mar2020
 Author:
 Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #: _____

Client Name: KPR G & Associates

WO#: 40231607

Courier: CS Logistics Fed Ex Speedee UPS Waltco
 Client Pace Other: _____



Tracking #: 1744081221

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR - 90 Type of Ice: Blue Dry None

Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 2 / Corr: 1.5

Person examining contents:
 Date: 8/13/21 / Initials: MB
 Labeled By Initials: MB

Temp Blank Present: yes no

Biological Tissue is Frozen: yes no

Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & 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.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<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:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>LO</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: _____ If checked, see attached form for additional comments
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir