K P R G

ENVIRONMENTAL CONSULTATION & REMEDIATION

KPRG and Associates, Inc.

GROUNDWATER - SURFACE WATER
DATA TRANSMITTAL and SCHEDULE MODIFICATION

January 10, 2020

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: Groundwater-Surface Water Data Transmittal and Schedule Modification
Former Navistar/RMG Foundry - 1401 Perkins Avenue, Waukesha, WI
BRRTS # 02-68-098404

Dear Mr. Drews:

The fourth quarterly groundwater/surface water sampling was completed in December 2019 by KPRG and Associates, Inc. (KPRG). The analytical data are summarized in Tables 1 and 2 along with all previous available data for each monitoring point. A site map showing all well locations is provided on Figure 1. The analytical data packages are provided in Attachment 1.

With this new data, and still some new soil vapor intrusion work being performed at residences that just recently provided sampling access, the tentative schedule for submittal of the Site Investigation Report is being moved to March 2020 as shown on Figure 2.

Navistar and KPRG are continuing with the implementation of the agreed upon additional site investigation 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

Richard R. Gnat, P.G.
Principal

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

TABLES

Table 1. Groundwater Results for CVOCs - former Navistar/RMG Foundry, Waukesha, WI

Well No.	WDNR NR 140 Standards		NMW-1															
Parameter Date	PAL	ES	10/13/1992*	12/18/1992*	4/10/1996*	3/31/1998*	6/5/2015*	9/20/2016*	11/30/2017	3/14/2018	7/11/2018	10/4/2018	12/14/2018	3/28/2019	6/26/2019	9/16/2019	12/12/2019
1,1,1-Trichloroethane	40	200	**560**	**620**	**300**	**350**	34.6	38.7	12.9	33.6	13.1	31	18.2	63.1	52.6	53.9	42.4
1,1,2,2-Tetrachloroethane	0.02	0.2	ND	ND	ND	ND	ND	ND	<0.50	<0.25	<0.25	<0.55	<0.28	<0.28	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	ND	ND	ND	ND	ND	ND	<0.39	<0.20	<0.20	<1.1	<0.55	<0.55	<1.1	<1.4	<1.4
1,1-Dichloroethane	85	850	ND	11 J	11	20	15	14.2	5.5	11.6	4.5	11.2	7.0	18.7	16.1	11.9	15.6
1,1-Dichloroethene	0.7	7	ND	**160**	**29**	**32**	6.7	5.9	1.4 J	4.8	1.3	3.4	1.6	6.1	6.8	3.6	4.3
1,2,4-Trichlorobenzene	14	70	ND	ND	ND	ND	ND	ND	<4.4	<2.2	<2.2	<1.9	<0.95	<0.95	NA	NA	NA
1,2-Dichlorobenzene	60	600	ND	ND	ND	ND	ND	ND	<1.0	<0.50	<0.50	<1.4	<0.71	<0.71	NA	NA	NA
1,2-Dichloroethane	0.5	5	ND	ND	ND	ND	ND	ND	<0.34	<0.17	<0.17	<0.56	<0.28	<0.28	<0.56	<0.70	<0.70
1,2-Dichloropropane	0.5	5	ND	ND	ND	ND	ND	ND	<0.47	<0.23	<0.23	<0.57	<0.28	<0.28	NA	NA	NA
1,3-Dichlorobenzene	120	600	ND	ND	ND	ND	ND	ND	<1.0	<0.50	<0.50	<1.3	<0.63	<0.63	NA	NA	NA
1,4-Dichlorobenzene	15	75	ND	ND	ND	ND	ND	ND	<1.0	<0.50	<0.50	<1.9	<0.94	<0.94	NA	NA	NA
Bromodichloromethane	0.06	0.6	ND	ND	ND	ND	<2.0	<2.0	<1.0	<0.50	<0.50	<0.73	<0.36	<0.36	NA	NA	NA
Carbon tetrachloride	0.5	5	ND	ND	ND	ND	ND	ND	<1.0	<0.50	<0.50	<0.33	<0.17	<0.17	NA	NA	NA
Chlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	<1.0	<0.50	<0.50	<1.4	<0.71	<0.71	NA	NA	NA
Chloroethane	80	400	ND	ND	ND	ND	ND	ND	<0.75	<0.37	<0.37	<2.7	<1.3	<1.3	NA	NA	NA
Chloroform	0.6	6	ND	ND	ND	ND	ND	ND	<5.0	<2.5	<2.5	<2.5	<1.3	<1.3	NA	NA	NA
Chloromethane	3	30	ND	ND	ND	ND	<2.0	<2.0	<1.0	<0.50	<0.50	<4.4	<2.2	<2.2	NA	NA	NA
cis-1,2-Dichloroethene	7	70	ND	ND	ND	ND	3.7 J	2.9 J	0.77 J	2.8	1.1	1.7 J	1.3	4.0	8.0	2.8	2.8
cis-1,3-Dichloropropene	0.04	0.4	ND	ND	ND	ND	ND	ND	<1.0	<0.50	<0.50	<7.3	<3.6	<3.6	NA	NA	NA
Dibromochloromethane	6	60	ND	ND	ND	ND	<2.0	<2.0	<1.0	<0.50	<0.50	<5.2	<2.6	<2.6	NA	NA	NA
Dichlorodifluoromethane	200	1,000	ND	ND	ND	ND	ND	ND	<0.45	<0.22	<0.22	<1.0	<0.50	<0.50	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	ND	ND	ND	ND	ND	ND	<4.2	<2.1	<2.1	<2.4	<1.2	<1.2	NA	NA	NA
Methylene Chloride	0.5	5	**67 B**	**100 B**	ND	**8.2 QB**	ND	ND	0.56 J	<0.23	<0.23	<1.2	<0.58	<0.58	NA	NA	NA
Tetrachloroethene	0.5	5	ND	ND	ND	ND	ND	ND	<1.0	<0.50	<0.50	<0.65	<0.33	<0.33	<0.65	<0.82	<0.82
trans-1,2-Dichloroethene	20	100	ND	ND	ND	ND	<1.0	<1.0	<0.51	<0.26	<0.26	<2.2	<1.1	<1.1	<2.2	<2.7	<2.7
trans-1,3-Dichloropropene	0.04	0.4	ND	ND	ND	ND	ND	ND	<0.46	<0.23	<0.23	<8.7	<4.4	<4.4	NA	NA	NA
Trichloroethene	0.5	5	**750**	**980**	**870**	**930**	**402**	**294**	**95.3**	**209**	**86.6**	**103**	**58.4**	**292**	**342**	**336**	**278**
Trichlorofluoromethane	NS	NS	ND	ND	ND	ND	ND	ND	<0.37	<0.18	<0.18	<0.43	<0.21	<0.21	NA	NA	NA
Vinyl chloride	0.02	0.2	ND	ND	ND	ND	<7.0	<0.35	<0.18	<0.18	<0.35	<0.17	<0.17	<0.35	<0.44	<0.44	

Notes: Results are in ug/L.
PAL - Preventative Action Limit
ES - Enforcement Standard
NS - No Standard
* - Sample collected by others

B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Well No.	WDNR NR 140 Standards		NMW-3R										
Parameter Date	PAL	ES	6/5/2015*	9/20/2016*	11/28/2017	3/13/2018	7/11/2018	10/1/2018	12/11/2018	3/26/2019	6/24/2019	9/11/2019	12/6/2019
1,1,1-Trichloroethane	40	200	1.8	6.8	10	2.5	4.3	8.9	7.3	1.6	6.0	1.2	1.7
1,1,2,2-Tetrachloroethane	0.02	0.2	ND	ND	< 0.25	<0.25	<0.25	<0.28	<0.28	<0.28	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	ND	ND	< 0.20	<0.20	<0.20	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55
1,1-Dichloroethane	85	850	2.1	4.9	5.7	2.3	3.6	4.6	3.6	1.4	3.1	1.3	2.9
1,1-Dichloroethene	0.7	7	ND	1.6	2.8	0.51 J	1.3	1.7	1.5	0.40 J	1.1	<0.24	0.36J
1,2,4-Trichlorobenzene	14	70	ND	ND	< 2.2	<2.2	<2.2	<0.95	<0.95	<0.95	NA	NA	NA
1,2-Dichlorobenzene	60	600	ND	ND	< 0.50	<0.50	<0.50	<0.71	<0.71	<0.71	NA	NA	NA
1,2-Dichloroethane	0.5	5	ND	ND	< 0.17	<0.17	<0.17	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
1,2-Dichloropropane	0.5	5	ND	ND	< 0.23	<0.23	<0.23	<0.28	<0.28	<0.28	NA	NA	NA
1,3-Dichlorobenzene	120	600	ND	ND	< 0.50	<0.50	<0.50	<0.63	<0.87	<0.63	NA	NA	NA
1,4-Dichlorobenzene	15	75	ND	ND	< 0.50	<0.50	<0.50	<0.94	<0.94	<0.94	NA	NA	NA
Bromodichloromethane	0.06	0.6	<0.5	<0.5	< 0.50	<0.50	<0.50	<0.36	<0.36	<0.36	NA	NA	NA
Carbon tetrachloride	0.5	5	ND	ND	< 0.50	<0.50	<0.50	<0.17	<0.17	<0.17	NA	NA	NA
Chlorobenzene	NS	NS	ND	ND	< 0.50	<0.50	<0.50	<0.71	<0.71	<0.71	NA	NA	NA
Chloroethane	80	400	ND	ND	< 0.37	<0.37	<0.37	<1.3	<1.3	<1.3	NA	NA	NA
Chloroform	0.6	6	ND	ND	< 2.5	<2.5	<2.5	<1.3	<1.3	<1.3	NA	NA	NA
Chloromethane	3	30	0.62 J	<0.5	< 0.50	<0.50	<0.50	<2.2	<2.2	<2.2	NA	NA	NA
cis-1,2-Dichloroethene	7	70	5.4	11.9	19.6	6.3	10.7	12.6	10.8	5.7	9.4	5.4	8
cis-1,3-Dichloropropene	0.04	0.4	ND	ND	< 0.50	<0.50	<0.50	<3.6	<3.6	<3.6	NA	NA	NA
Dibromochloromethane	6	60	<0.5	<0.5	< 0.50	<0.50	<0.50	<2.6	<2.6	<2.6	NA	NA	NA
Dichlorodifluoromethane	200	1,000	ND	ND	< 0.22	<0.22	<0.22	<0.50	<0.50	<0.50	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	ND	ND	< 2.1	<2.1	<2.1	<1.2	<1.2	<1.2	NA	NA	NA
Methylene Chloride	0.5	5	ND	ND	< 0.23	<0.23	<0.23	<0.58	<0.58	<0.58	NA	NA	NA
Tetrachloroethene	0.5	5	ND	ND	< 0.50	<0.50	<0.50	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
trans-1,2-Dichloroethene	20	100	0.34 J	0.75 J	0.86 J	0.52J	0.76 J	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
trans-1,3-Dichloropropene	0.04	0.4	ND	ND	< 0.23	<0.23	<0.23	<4.4	<4.4	<4.4	NA	NA	NA
Trichloroethene	0.5	5	**39.2**	**74.5**	**103**	**23.5**	**46.2**	**74.6**	**69.6**	**17.8**	**54.4**	**16.1**	**19.8**
Trichlorofluoromethane	NS	NS	ND	ND	< 0.18	<0.18	<0.18	<0.21	<0.21	<0.21	NA	NA	NA
Vinyl chloride	0.02	0.2	ND	**0.28 J**	**0.38 J**	**0.22 J**	<0.18	**0.24 J**	**0.28 J**	<0.17	<0.17	<0.17	<0.17

Notes: Results are in ug/L.
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ES - Enforcement Standard
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Table 1. Groundwater Results for CVOCs - former Navistar/RMG Foundry, Waukesha, WI

Well No.	WDNR NR 140 Standards		NMW-4														
Parameter Date	PAL	ES	10/13/1992*	12/16/1992*	4/10/1996*	4/1/1998*	6/1/2015*	9/20/2016*	11/28/2017	3/13/2018	7/11/2018	10/2/2018	12/11/2018	3/26/2019	6/24/2019	9/10/2019	12/6/2019
1,1,1-Trichloroethane	40	200	ND	ND	ND	ND	<0.5	<0.5	< 0.50	<0.50	<0.50	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
1,1,2,2-Tetrachloroethane	0.02	0.2	ND	ND	ND	ND	ND	ND	< 0.25	<0.25	<0.25	<0.28	<0.28	<0.28	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	ND	ND	ND	ND	ND	ND	< 0.20	<0.20	<0.20	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55
1,1-Dichloroethane	85	850	ND	ND	ND	ND	<0.24	ND	< 0.24	<0.24	<0.24	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
1,1-Dichloroethene	0.7	7	ND	ND	ND	ND	<0.41	<0.41	< 0.41	<0.41	<0.41	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
1,2,4-Trichlorobenzene	14	70	ND	ND	ND	ND	ND	ND	< 2.2	<2.2	<2.2	<0.95	<0.95	<0.95	NA	NA	NA
1,2-Dichlorobenzene	60	600	ND	ND	ND	ND	ND	ND	< 0.50	<0.50	<0.50	<0.71	<0.71	<0.71	NA	NA	NA
1,2-Dichloroethane	0.5	5	ND	ND	ND	ND	ND	<0.24	< 0.17	<0.17	<0.17	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
1,2-Dichloropropane	0.5	5	ND	ND	ND	ND	ND	ND	< 0.23	<0.23	<0.23	<0.28	<0.28	<0.28	NA	NA	NA
1,3-Dichlorobenzene	120	600	ND	ND	ND	ND	ND	ND	< 0.50	<0.50	<0.50	<0.63	<0.63	<0.63	NA	NA	NA
1,4-Dichlorobenzene	15	75	ND	ND	ND	ND	ND	ND	< 0.50	<0.50	<0.50	<0.94	<0.94	<0.94	NA	NA	NA
Bromodichloromethane	0.06	0.6	ND	ND	ND	ND	<0.5	<0.5	< 0.50	<0.50	<0.50	<0.36	<0.36	<0.36	NA	NA	NA
Carbon tetrachloride	0.5	5	ND	ND	ND	ND	ND	ND	< 0.50	<0.50	<0.50	<0.17	<0.17	<0.17	NA	NA	NA
Chlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	< 0.50	<0.50	<0.50	<0.71	<0.71	<0.71	NA	NA	NA
Chloroethane	80	400	ND	ND	ND	ND	ND	ND	< 0.37	<0.37	<0.37	<1.3	<1.3	<1.3	NA	NA	NA
Chloroform	0.6	6	ND	ND	ND	ND	ND	ND	< 2.5	<2.5	<2.5	<1.3	<1.3	<1.3	NA	NA	NA
Chloromethane	3	30	ND	ND	ND	ND	<0.5	<0.5	< 0.50	<0.50	<0.50	<2.2	<2.2	<2.2	NA	NA	NA
cis-1,2-Dichloroethene	7	70	3.0	ND	2.0	1.2	<0.26	<0.26	< 0.26	<0.26	<0.26	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
cis-1,3-Dichloropropene	0.04	0.4	ND	ND	ND	ND	ND	ND	< 0.50	<0.50	<0.50	<3.6	<3.6	<3.6	NA	NA	NA
Dibromochloromethane	6	60	ND	ND	ND	ND	<0.5	<0.5	< 0.50	<0.50	<0.50	<2.6	<2.6	<2.6	NA	NA	NA
Dichlorodifluoromethane	200	1,000	ND	ND	ND	ND	ND	ND	< 0.22	<0.22	<0.22	<0.50	<0.50	<0.50	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	ND	ND	ND	ND	ND	ND	< 2.1	<2.1	<2.1	<1.2	<1.2	<1.2	NA	NA	NA
Methylene Chloride	0.5	5	1.5 B	**8.7 B**	ND	ND	ND	ND	< 0.23	<0.23	<0.23	<0.58	<0.58	<0.58	NA	NA	NA
Tetrachloroethene	0.5	5	ND	ND	ND	ND	ND	ND	< 0.50	<0.50	<0.50	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
trans-1,2-Dichloroethene	20	100	ND	ND	ND	ND	<0.26	<0.26	< 0.26	<0.26	<0.26	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
trans-1,3-Dichloropropene	0.04	0.4	ND	ND	ND	ND	ND	ND	< 0.23	<0.23	<0.23	<4.4	<4.4	<4.4	NA	NA	NA
Trichloroethene	0.5	5	**22**	**21**	**17**	**8.4**	0.33 J	0.77 J	< 0.33	<0.33	<0.33	<0.26	<0.26	2.5	0.29 J	<0.26	0.75J
Trichlorofluoromethane	NS	NS	ND	ND	ND	ND	ND	ND	< 0.18	<0.18	<0.18	<0.21	<0.21	<0.21	NA	NA	NA
Vinyl chloride	0.02	0.2	ND	ND	ND	ND	<0.18	<0.18	< 0.18	<0.18	<0.18	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17

Notes: Results are in ug/L.
PAL - Preventative Action Limit
ES - Enforcement Standard
NS - No Standard
* - Sample collected by others

B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Well No.	WDNR NR 140 Standards		NMW-7												
Parameter Date	PAL	ES	4/10/1996*	3/31/1998*	6/1/2015*	9/20/2016*	11/30/2017	3/14/2018	7/11/2018	10/4/2018	12/14/2018	3/28/2019	6/26/2019	9/16/2019	12/12/2019
1,1,1-Trichloroethane	40	200	150	51	7.5	20	16.9	19.0	12.0	13.6	36.2	17	21.4	7.8	11.4
1,1,2,2-Tetrachloroethane	0.02	0.2	ND	ND	ND	ND	<0.62	<0.25	<0.50	<0.55	<0.28	<0.69	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	ND	ND	ND	ND	<0.49	<0.20	<0.39	<1.1	<0.55	<1.4	<0.55	<0.55	<0.55
1,1-Dichloroethane	85	850	6.1	3.7	2.8	6	9.3	6.1	4.1	5.3	12.9	5.5	6.2	2	4.1
1,1-Dichloroethene	0.7	7	**18**	3.5	1.6	2.7	2.4 J	2.3	**1.7 J**	**1.8 J**	6.4	2.2 J	3.6	0.84J	1.4
1,2,4-Trichlorobenzene	14	70	ND	ND	ND	ND	<5.5	<2.2	<4.4	<1.9	<0.95	<2.4	NA	NA	NA
1,2-Dichlorobenzene	60	600	ND	ND	ND	ND	<1.2	<0.50	<1.0	<1.4	<0.71	<1.8	NA	NA	NA
1,2-Dichloroethane	0.5	5	ND	ND	2.8	ND	<0.42	<0.17	<0.34	<0.56	<0.28	<0.70	<0.28	<0.28	<0.28
1,2-Dichloropropane	0.5	5	ND	ND	ND	ND	<0.58	<0.23	<0.47	<0.57	<0.28	<0.71	NA	NA	NA
1,3-Dichlorobenzene	120	600	ND	ND	ND	ND	<1.2	<0.50	<1.0	<1.3	<0.63	<1.6	NA	NA	NA
1,4-Dichlorobenzene	15	75	ND	ND	ND	ND	<1.2	<0.50	<1.0	<1.9	<0.94	<2.4	NA	NA	NA
Bromodichloromethane	0.06	0.6	ND	ND	<0.5	<0.5	<1.2	<0.50	<1.0	<0.73	<0.36	<0.91	NA	NA	NA
Carbon tetrachloride	0.5	5	ND	ND	ND	ND	<1.2	<0.50	<1.0	<0.33	<0.17	<0.41	NA	NA	NA
Chlorobenzene	NS	NS	ND	ND	ND	ND	<1.2	<0.50	<1.0	<1.4	<0.71	<1.8	NA	NA	NA
Chloroethane	80	400	ND	ND	ND	ND	<0.94	<0.37	<0.75	<2.7	<1.3	<3.4	NA	NA	NA
Chloroform	0.6	6	ND	ND	ND	ND	<6.2	<2.5	<5.0	<2.5	<1.3	<3.2	NA	NA	NA
Chloromethane	3	30	ND	ND	<0.5	<0.5	<1.2	<0.50	<1.0	<4.4	<2.2	<5.5	NA	NA	NA
cis-1,2-Dichloroethene	7	70	ND	2.4	0.91 J	2.2	5.9	1.7	2.5	3.5	3.6	2.1 J	3.0	0.85J	1.5
cis-1,3-Dichloropropene	0.04	0.4	ND	ND	ND	ND	<1.2	<0.50	<1.0	<7.3	<3.6	<9.1	NA	NA	NA
Dibromochloromethane	6	60	ND	ND	<0.5	<0.5	<1.2	<0.50	<1.0	<5.2	<2.6	<6.5	NA	NA	NA
Dichlorodifluoromethane	200	1,000	ND	ND	ND	ND	<0.56	<0.22	<0.45	<1.0	<0.50	<1.2	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	ND	ND	ND	ND	<5.3	<2.1	<4.2	<2.4	<1.2	<3.0	NA	NA	NA
Methylene Chloride	0.5	5	ND	ND	ND	ND	0.66 J	<0.23	<0.47	<1.2	<0.58	<1.5	NA	NA	NA
Tetrachloroethene	0.5	5	**420**	**120**	ND	ND	<1.2	<0.50	<1.0	<0.65	<0.33	<0.82	<0.33	<0.33	<0.33
trans-1,2-Dichloroethene	20	100	ND	ND	<0.26	<0.26	<0.64	<0.26	<0.51	<2.2	<1.1	<2.7	<1.1	<1.1	<1.1
trans-1,3-Dichloropropene	0.04	0.4	ND	ND	ND	ND	<0.57	<0.23	<0.46	<8.7	<4.4	<10.9	NA	NA	NA
Trichloroethene	0.5	5	ND	ND	**89**	**157**	**127**	**79.4**	**99.5**	**110**	**272**	**131**	**172**	**60.9**	**88.9**
Trichlorofluoromethane	NS	NS	ND	ND	ND	ND	<0.46	<0.18	<0.37	<0.43	<0.21	<0.54	NA	NA	NA
Vinyl chloride	0.02	0.2	ND	ND	ND	<0.18	<0.44	<0.18	<0.35	<0.35	<0.17	<0.44	**0.22 J**	**0.68J**	**<0.17**

Notes: Results are in ug/L.
PAL - Preventative Action Limit
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NS - No Standard
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B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Table 1. Groundwater Results for CVOCs - former Navistar/RMG Foundry, Waukesha, WI

Well No.	WDNR NR 140 Standards		NMW-8R										
Parameter Date	PAL	ES	6/5/2015*	9/20/2016*	11/30/2017	3/14/2018	7/11/2018	10/4/2018	12/14/2018	3/28/2019	6/26/2019	9/16/2019	12/12/2019
1,1,1-Trichloroethane	40	200	26.8	18.4	24.1	34.6	28.8	35.0	38.4	37.2	32.2	29.2	33
1,1,2,2-Tetrachloroethane	0.02	0.2	ND	ND	<0.62	<0.50	<0.50	<0.55	<0.55	<0.55	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	ND	ND	<0.49	<0.39	<0.39	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
1,1-Dichloroethane	85	850	10.7	6.8	10.2	13.2	10.3	12.7	14.4	13.3	9.7	7.9	12.9
1,1-Dichloroethene	0.7	7	4.8	1.6 J	2.3 J	4.0	3.1	4.5	5.2	4.4	4.7	2.1	3.9
1,2,4-Trichlorobenzene	14	70	ND	ND	<5.5	<4.4	<4.4	<1.9	<1.9	<1.9	NA	NA	NA
1,2-Dichlorobenzene	60	600	ND	ND	<1.2	<1.0	<1.0	<1.4	<1.4	<1.4	NA	NA	NA
1,2-Dichloroethane	0.5	5	ND	ND	<0.42	<0.34	<0.34	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56
1,2-Dichloropropane	0.5	5	ND	ND	<0.58	<0.47	<0.47	<0.57	<0.57	<0.57	NA	NA	NA
1,3-Dichlorobenzene	120	600	ND	ND	<1.2	<1.0	<1.0	<1.3	<1.3	<1.3	NA	NA	NA
1,4-Dichlorobenzene	15	75	ND	ND	<1.2	<1.0	<1.0	<1.9	<1.9	<1.9	NA	NA	NA
Bromodichloromethane	0.06	0.6	<0.5	<1.0	<1.2	<1.0	<1.0	<0.73	<0.73	<0.73	NA	NA	NA
Carbon tetrachloride	0.5	5	ND	ND	<1.2	<1.0	<1.0	<0.33	<0.33	<0.33	NA	NA	NA
Chlorobenzene	NS	NS	ND	ND	<1.2	<1.0	<1.0	<1.4	<1.4	<1.4	NA	NA	NA
Chloroethane	80	400	ND	ND	<0.94	<0.75	<0.75	<2.7	<2.7	<2.7	NA	NA	NA
Chloroform	0.6	6	ND	ND	<6.2	<5.0	<5.0	<2.5	<2.5	<2.5	NA	NA	NA
Chloromethane	3	30	<0.5	<1.0	<1.2	<1.0	<1.0	<4.4	<4.4	<4.4	NA	NA	NA
cis-1,2-Dichloroethene	7	70	3.3	2.0 J	2.7	3.7	2.8	3.8	4.0	3.5	2.9	2.3	2.6
cis-1,3-Dichloropropene	0.04	0.4	ND	ND	<1.2	<1.0	<1.0	<7.3	<7.3	<7.3	NA	NA	NA
Dibromochloromethane	6	60	<0.5	<1.0	<1.2	<1.0	<1.0	<5.2	<5.2	<5.2	NA	NA	NA
Dichlorodifluoromethane	200	1,000	ND	ND	<0.56	<0.45	<0.45	<1.0	<1.0	<1.0	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	ND	ND	<5.3	<4.2	<4.2	<2.4	<2.4	<2.4	NA	NA	NA
Methylene Chloride	0.5	5	ND	ND	0.64 J	<0.47	<0.47	<1.2	<1.2	<1.2	NA	NA	NA
Tetrachloroethene	0.5	5	ND	ND	<1.2	<1.0	<1.0	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65
trans-1,2-Dichloroethene	20	100	<0.26	<0.51	<0.64	<0.51	<0.51	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
trans-1,3-Dichloropropene	0.04	0.4	ND	ND	<0.57	<0.46	<0.46	<8.7	<8.7	<8.7	NA	NA	NA
Trichloroethene	0.5	5	**267**	**167**	**179**	**249**	**199**	**221**	**265**	**235**	**237**	**173**	**228**
Trichlorofluoromethane	NS	NS	ND	ND	<0.46	<0.37	<0.37	<0.43	<0.43	<0.43	NA	NA	NA
Vinyl chloride	0.02	0.2	ND	<0.35	<0.44	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35

Notes: Results are in ug/L.
PAL - Preventative Action Limit
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B - Analyte detected in Method or Trip Blank
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NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Well No.	WDNR NR 140 Standards		NMW-9												
Parameter Date	PAL	ES	4/11/1996*	3/31/1998*	6/1/2015*	9/20/2016*	11/29/2017	3/15/2018	7/11/2018	10/3/2018	12/13/2018	3/28/2019	7/1/2019	9/16/2019	12/11/2019
1,1,1-Trichloroethane	40	200	160	19	3.8	ND	16.4	18.9	2.0 J	2.3	2.2	<0.24	<0.24	<0.24	<0.24
1,1,2,2-Tetrachloroethane	0.02	0.2	ND	ND	ND	ND	<1.0	<0.62	<0.62	<0.28	<0.28	<0.28	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	ND	ND	ND	ND	<0.79	<0.49	<0.49	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55
1,1-Dichloroethane	85	850	20	2.9	4	8.9	8.5	12.1	9.4	8.3	7.8	<0.27	0.46 J	0.40 J	<0.27
1,1-Dichloroethene	0.7	7	**21**	1.7 Q	1.9	ND	2.0 J	4.7	2.7	4.2	5.2	<0.24	0.41 J	0.54 J	<0.24
1,2,4-Trichlorobenzene	14	70	ND	ND	ND	ND	<8.8	<5.5	<5.5	<0.95	<0.95	<0.95	NA	NA	NA
1,2-Dichlorobenzene	60	600	ND	ND	ND	ND	<2.0	<1.2	<1.2	<0.71	<0.71	<0.71	NA	NA	NA
1,2-Dichloroethane	0.5	5	ND	ND	ND	ND	<0.67	<0.42	<0.42	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
1,2-Dichloropropane	0.5	5	ND	ND	ND	ND	<0.93	<0.58	<0.58	<0.28	<0.28	<0.28	NA	NA	NA
1,3-Dichlorobenzene	120	600	ND	ND	ND	ND	<2.0	<1.2	<1.2	<0.63	<0.63	<0.63	NA	NA	NA
1,4-Dichlorobenzene	15	75	ND	ND	ND	ND	<2.0	<1.2	<1.2	<0.94	<0.94	<0.94	NA	NA	NA
Bromodichloromethane	0.06	0.6	ND	ND	**0.62 J**	<1.0	<2.0	<1.2	<1.2	<0.36	<0.36	<0.36	NA	NA	NA
Carbon tetrachloride	0.5	5	ND	ND	ND	ND	<2.0	<1.2	<1.2	<0.17	<0.17	<0.17	NA	NA	NA
Chlorobenzene	NS	NS	ND	ND	ND	ND	<2.0	<1.2	<1.2	<0.71	<0.71	<0.71	NA	NA	NA
Chloroethane	80	400	ND	ND	ND	ND	<1.5	<0.94	<0.94	<1.3	<1.3	<1.3	NA	NA	NA
Chloroform	0.6	6	ND	ND	ND	ND	<10.0	<6.2	<6.2	<1.3	<1.3	<1.3	NA	NA	NA
Chloromethane	3	30	ND	ND	<0.5	<1.0	<2.0	<1.2	<1.2	<2.2	<2.2	<2.2	NA	NA	NA
cis-1,2-Dichloroethene	7	70	**200**	11	7.4	ND	15.4	30.2	36.8	41.5	39.8	1.1	4.3	4.1	0.62J
cis-1,3-Dichloropropene	0.04	0.4	ND	ND	ND	ND	<2.0	<1.2	<1.2	<3.6	<3.6	<3.6	NA	NA	NA
Dibromochloromethane	6	60	ND	ND	2.5	<1.0	<2.0	<1.2	<1.2	<2.6	<2.6	<2.6	NA	NA	NA
Dichlorodifluoromethane	200	1,000	ND	ND	ND	ND	<0.90	<0.56	<0.56	<0.50	<0.50	<0.50	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	ND	ND	ND	ND	<8.4	<5.3	<5.3	<1.2	<1.2	<1.2	NA	NA	NA
Methylene Chloride	0.5	5	ND	2.4 B	ND	ND	<0.93	<0.58	<0.58	<0.58	<0.58	<0.58	NA	NA	NA
Tetrachloroethene	0.5	5	ND	ND	ND	ND	<2.0	<1.2	<1.2	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
trans-1,2-Dichloroethene	20	100	ND	ND	0.33 J	ND	<1.0	1.3 J	2.2 J	1.3 J	1.5 J	<1.1	<1.1	<1.1	<1.1
trans-1,3-Dichloropropene	0.04	0.4	ND	ND	ND	ND	<0.92	<0.57	<0.57	<4.4	<4.4	<4.4	NA	NA	NA
Trichloroethene	0.5	5	**1,000**	**210**	**205**	**389**	**311**	**424**	**270**	**253**	**256**	**13.6**	**29.6**	**40.9**	**12.3**
Trichlorofluoromethane	NS	NS	ND	ND	ND	ND	<0.74	<0.46	<0.46	<0.21	<0.21	<0.21	NA	NA	NA
Vinyl chloride	0.02	0.2	ND	ND	ND	<0.35	<0.70	<0.44	<0.44	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17

Notes: Results are in ug/L.
PAL - Preventative Action Limit
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NS - No Standard
* - Sample collected by others

B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Table 1. Groundwater Results for CVOCs - former Navistar/RMG Foundry, Waukesha, WI

Well No.	WDNR NR 140 Standards		MW-9D								
Parameter Date	PAL	ES	11/30/2017	3/14/2018	7/11/2018	10/3/2018	12/13/2018	3/28/2019	7/1/2019	9/16/2019	12/11/2019
1,1,1-Trichloroethane	40	200	<.50	<0.50	<0.50	51.8	30.9	31.8	8.4	14.4	24.2
1,1,2,2-Tetrachloroethane	0.02	0.2	<0.25	<0.25	<0.25	<0.28	<2.8	<1.4	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	<0.20	<0.20	<0.20	<0.55	<5.5	<2.8	<1.1	<1.1	<2.8
1,1-Dichloroethane	85	850	0.52 J	<0.24	<0.24	37.4	17.9	18.4	4.6	8.4	17.2
1,1-Dichloroethene	0.7	7	0.64 J	<0.41	<0.41	**19.9**	4.7 J	7.0	2.2	2.3	5.2
1,2,4-Trichlorobenzene	14	70	<2.2	<2.2	<2.2	<0.95	<9.5	<4.8	NA	NA	NA
1,2-Dichlorobenzene	60	600	<0.50	<0.50	<0.50	<0.71	<7.1	<3.5	NA	NA	NA
1,2-Dichloroethane	0.5	5	<0.17	<0.17	<0.17	<0.28	<2.8	<1.4	<0.56	<0.56	<1.4
1,2-Dichloropropane	0.5	5	<0.23	<0.23	<0.23	<0.28	<2.8	<1.4	NA	NA	NA
1,3-Dichlorobenzene	120	600	<0.50	<0.50	<0.50	<0.63	<6.3	<3.1	NA	NA	NA
1,4-Dichlorobenzene	15	75	<0.50	<0.50	<0.50	<0.94	<9.4	<4.7	NA	NA	NA
Bromodichloromethane	0.06	0.6	3.4	<0.50	<0.50	<0.36	<3.6	<1.8	NA	NA	NA
Carbon tetrachloride	0.5	5	<0.50	<0.50	<0.50	<0.17	<1.7	<0.83	NA	NA	NA
Chlorobenzene	NS	NS	<0.50	<0.50	<0.50	<0.71	<7.1	<3.6	NA	NA	NA
Chloroethane	80	400	<0.37	<0.37	<0.37	<1.3	<13.4	<6.7	NA	NA	NA
Chloroform	0.6	6	<2.5	<2.5	<2.5	<1.3	<12.7	<6.4	NA	NA	NA
Chloromethane	3	30	<0.50	<0.50	<0.50	<2.2	<21.9	<10.9	NA	NA	NA
cis-1,2-Dichloroethene	7	70	3.4	1.1	0.78 J	38	31.5	36.1	11.4	22.7	33.3
cis-1,3-Dichloropropene	0.04	0.4	<0.50	<0.50	<0.50	<3.6	<36.3	<18.1	NA	NA	NA
Dibromochloromethane	6	60	5.8	<0.50	<0.50	<2.6	<26.0	<13.0	NA	NA	NA
Dichlorodifluoromethane	200	1,000	<0.22	<0.22	<0.22	<0.50	<5.0	<2.5	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	<2.1	<2.1	<2.1	<1.2	<11.8	<5.9	NA	NA	NA
Methylene Chloride	0.5	5	<0.23	<0.23	<0.23	<0.58	<5.8	<2.9	NA	NA	NA
Tetrachloroethene	0.5	5	<0.50	<0.50	<0.50	<0.33	<3.3	<1.6	<0.65	<0.65	<1.6
trans-1,2-Dichloroethene	20	100	0.35 J	<0.26	<0.26	2.0 J	<10.9	<5.5	<2.2	<2.2	<5.5
trans-1,3-Dichloropropene	0.04	0.4	<0.23	<0.23	<0.23	<4.4	<43.7	<21.9	NA	NA	NA
Trichloroethene	0.5	5	**8.9**	3.7	1.7	**1,340**	**645**	**616**	**215**	**284**	**489**
Trichlorofluoromethane	NS	NS	<0.18	<0.18	<0.18	<0.21	<2.1	<1.1	NA	NA	NA
Vinyl chloride	0.02	0.2	<0.18	<0.18	<0.18	**0.26 J**	<1.7	<0.87	<0.35	<0.35	<0.87

Notes: Results are in ug/L.
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B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
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ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Well No.	WDNR NR 140 Standards		MW-9D2		
Parameter Date	PAL	ES	7/1/2019	9/16/2019	12/11/2019
1,1,1-Trichloroethane	40	200	<0.24	<0.24	<0.24
1,1,2,2-Tetrachloroethane	0.02	0.2	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	<0.55	<0.55	<0.55
1,1-Dichloroethane	85	850	0.40 J	<0.27	<0.27
1,1-Dichloroethene	0.7	7	0.34 J	<0.24	<0.24
1,2,4-Trichlorobenzene	14	70	NA	NA	NA
1,2-Dichlorobenzene	60	600	NA	NA	NA
1,2-Dichloroethane	0.5	5	<0.28	<0.28	<0.28
1,2-Dichloropropane	0.5	5	NA	NA	NA
1,3-Dichlorobenzene	120	600	NA	NA	NA
1,4-Dichlorobenzene	15	75	NA	NA	NA
Bromodichloromethane	0.06	0.6	NA	NA	NA
Carbon tetrachloride	0.5	5	NA	NA	NA
Chlorobenzene	NS	NS	NA	NA	NA
Chloroethane	80	400	NA	NA	NA
Chloroform	0.6	6	NA	NA	NA
Chloromethane	3	30	NA	NA	NA
cis-1,2-Dichloroethene	7	70	5.7	<0.27	<0.27
cis-1,3-Dichloropropene	0.04	0.4	NA	NA	NA
Dibromochloromethane	6	60	NA	NA	NA
Dichlorodifluoromethane	200	1,000	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	NA	NA	NA
Methylene Chloride	0.5	5	NA	NA	NA
Tetrachloroethene	0.5	5	<0.33	<0.33	<0.33
trans-1,2-Dichloroethene	20	100	<1.1	<1.1	<1.1
trans-1,3-Dichloropropene	0.04	0.4	NA	NA	NA
Trichloroethene	0.5	5	**46.7**	<0.26	2.2
Trichlorofluoromethane	NS	NS	NA	NA	NA
Vinyl chloride	0.02	0.2	<0.17	<0.17	<0.17

Notes: Results are in ug/L.
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NA - Not Analyzed
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Table 1. Groundwater Results for CVOCs - former Navistar/RMG Foundry, Waukesha, WI

Well No.	WDNR NR 140 Standards		MW-11															
Parameter Date	PAL	ES	12/23/1991*	1/28/1992*	10/13/1992*	4/10/1996*	4/2/1998*	11/11/1998*	6/1/2015*	11/29/2017	3/15/2018	7/12/2018	10/3/2018	12/13/2018	3/28/2019	6/25/2019	9/13/2019	12/13/2019
1,1,1-Trichloroethane	40	200	56	180	**230**	200	57	110	13.5	36.5	20.5	9.7	9.2	12.9	8.8	9.5	18.2	10.8
1,1,2,2-Tetrachloroethane	0.02	0.2	ND	ND	ND	ND	ND	ND	ND	<1.2	<1.2	<1.2	<0.28	<0.28	<1.1	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	ND	ND	ND	ND	ND	ND	ND	<0.99	<0.99	<0.99	<0.55	<0.55	<2.2	<1.4	<1.4	<1.4
1,1-Dichloroethane	85	850	ND	ND	22	29	8.8	20	14	18.5	10.5	5.6	4.3	6.1	5.0	5.1	9.6	6.9
1,1-Dichloroethene	0.7	7	1.2	**260**	**67**	**32**	7.0	**16**	**8.9 J**	4.6 J	5.0	2.2 J	2.0	3.3	1.9 J	2.0 J	3.8	1.9J
1,2,4-Trichlorobenzene	14	70	ND	ND	ND	ND	ND	ND	ND	<11.0	<11.0	<11.0	<0.95	<0.95	<3.8	NA	NA	NA
1,2-Dichlorobenzene	60	600	ND	ND	ND	ND	ND	ND	ND	<2.5	<2.5	<2.5	<0.71	<0.71	<2.8	NA	NA	NA
1,2-Dichloroethane	0.5	5	ND	ND	ND	ND	ND	ND	ND	<0.84	<0.84	<0.84	<0.28	<0.28	<1.1	<0.70	<0.70	<0.70
1,2-Dichloropropane	0.5	5	ND	ND	ND	ND	ND	ND	ND	<1.2	<1.2	<1.2	<0.28	<0.28	<1.1	NA	NA	NA
1,3-Dichlorobenzene	120	600	ND	ND	ND	ND	ND	ND	ND	<2.5	<2.5	<2.5	<0.63	<0.63	<2.5	NA	NA	NA
1,4-Dichlorobenzene	15	75	ND	ND	ND	ND	ND	ND	ND	<2.5	<2.5	<2.5	<0.94	<0.94	<3.8	NA	NA	NA
Bromodichloromethane	0.06	0.6	ND	ND	ND	ND	ND	ND	< 5.0	<2.5	<2.5	<2.5	<0.36	<0.36	<1.5	NA	NA	NA
Carbon tetrachloride	0.5	5	ND	ND	ND	ND	ND	ND	ND	<2.5	<2.5	<2.5	<0.17	<0.17	<0.66	NA	NA	NA
Chlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	<2.5	<2.5	<2.5	<0.71	<0.71	<2.8	NA	NA	NA
Chloroethane	80	400	ND	ND	ND	ND	ND	ND	ND	<1.9	<1.9	<1.9	<1.3	<1.3	<5.4	NA	NA	NA
Chloroform	0.6	6	ND	ND	ND	ND	ND	ND	ND	<12.5	<12.5	<12.5	<1.3	<1.3	<5.1	NA	NA	NA
Chloromethane	3	30	ND	ND	ND	ND	ND	ND	< 5.0	<2.5	<2.5	<2.5	<2.2	<2.2	<8.8	NA	NA	NA
cis-1,2-Dichloroethene	7	70	12	64	**280**	**180**	36	**110**	46.5	46.9	22.4	10.7	10.9	15.1	9.5	16.5	25.1	12.3
cis-1,3-Dichloropropene	0.04	0.4	ND	ND	ND	ND	ND	ND	ND	<2.5	<2.5	<2.5	<3.6	<3.6	<14.5	NA	NA	NA
Dibromochloromethane	6	60	ND	ND	ND	ND	ND	ND	< 5.0	<2.5	<2.5	<2.5	<2.6	<2.6	<10.4	NA	NA	NA
Dichlorodifluoromethane	200	1,000	ND	ND	ND	ND	ND	ND	ND	<1.1	<1.1	<1.1	<0.50	<0.50	<2.0	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	ND	ND	ND	ND	ND	ND	ND	<10.5	<10.5	<10.5	<1.2	<1.2	<4.7	NA	NA	NA
Methylene Chloride	0.5	5	ND	ND	**17 B**	ND	3.1 QB	**25 B**	ND	<1.2	<1.2	<1.2	<0.58	<0.58	<2.3	NA	NA	NA
Tetrachloroethene	0.5	5	ND	ND	ND	ND	ND	ND	ND	<2.5	<2.5	<2.5	<0.33	<0.33	<1.3	<0.82	<0.82	<0.82
trans-1,2-Dichloroethene	20	100	ND	ND	ND	ND	ND	ND	< 2.6	2.3 J	<1.3	<1.3	<1.1	<1.1	<4.4	<2.7	<2.7	<2.7
trans-1,3-Dichloropropene	0.04	0.4	ND	ND	ND	ND	ND	ND	ND	<1.1	<1.1	<1.1	<4.4	<4.4	<17.5	NA	NA	NA
Trichloroethene	0.5	5	**110**	**360**	**560**	**1,700**	**550**	**1,200**	**659**	**683**	**403**	**222**	**203**	**288**	**220**	**258**	**437**	**275**
Trichlorofluoromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	<0.92	<0.92	<0.92	<0.21	<0.21	<0.86	NA	NA	NA
Vinyl chloride	0.02	0.2	ND	ND	ND	ND	ND	ND	ND	<0.88	<0.88	<0.88	<0.17	<0.17	<0.70	<0.44	<0.44	<0.44

Notes: Results are in ug/L.
PAL - Preventative Action Limit
ES - Enforcement Standard
NS - No Standard
* - Sample collected by others

B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Well No.	WDNR NR 140 Standards		MW-13															
Parameter Date	PAL	ES	12/23/1991*	1/28/1992*	10/14/1992*	4/11/1996*	4/2/1998*	6/5/2015*	9/20/2016*	11/29/2017	3/15/2018	7/12/2018	10/3/2018	12/13/2018	4/4/2019	6/25/2019	9/13/2019	12/13/2019
1,1,1-Trichloroethane	40	200	100	**300**	**300**	**420**	53	14.8	13.4	41	23.1	10.4	9.6	17.2	15.6	17.7	28.4	16.9
1,1,2,2-Tetrachloroethane	0.02	0.2	ND	ND	ND	ND	ND	ND	ND	<1.2	<1.2	<1.2	<1.4	<0.69	<1.4	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	ND	ND	ND	ND	ND	ND	ND	<0.99	<0.99	<0.99	<2.8	<1.4	<2.8	<0.55	<1.4	<2.8
1,1-Dichloroethane	85	850	ND	ND	ND	37	8.7	18.3	10.7	26.2	13.6	6.9	6.9	36.1	8.9	10.5	17	14.8
1,1-Dichloroethene	0.7	7	3.5	**66**	ND	**58**	5.8	**9.5 J**	4.3	**9.6**	6.6	2.5 J	2.8 J	**17.6**	2.9 J	5.0	**8**	**2.3J**
1,2,4-Trichlorobenzene	14	70	ND	ND	ND	ND	ND	ND	ND	<11.0	<11.0	<11.0	<4.8	<2.4	<4.8	NA	NA	NA
1,2-Dichlorobenzene	60	600	ND	ND	ND	ND	ND	ND	ND	<2.5	<2.5	<2.5	<3.5	<1.8	<3.5	NA	NA	NA
1,2-Dichloroethane	0.5	5	ND	ND	ND	ND	ND	ND	ND	<0.84	<0.84	<0.84	<1.4	<0.70	<1.4	<0.28	<0.70	<1.4
1,2-Dichloropropane	0.5	5	ND	ND	ND	ND	ND	ND	ND	<1.2	<1.2	<1.2	<1.4	<0.71	<1.4	NA	NA	NA
1,3-Dichlorobenzene	120	600	ND	ND	ND	ND	ND	ND	ND	<2.5	<2.5	<2.5	<3.1	<1.6	<3.1	NA	NA	NA
1,4-Dichlorobenzene	15	75	ND	ND	ND	ND	ND	ND	ND	<2.5	<2.5	<2.5	<4.7	<2.4	<4.7	NA	NA	NA
Bromodichloromethane	0.06	0.6	ND	ND	ND	ND	ND	<5.0	<1.2	<2.5	<2.5	<2.5	<1.8	<0.91	<1.8	NA	NA	NA
Carbon tetrachloride	0.5	5	ND	ND	ND	ND	ND	ND	ND	<2.5	<2.5	<2.5	<0.83	<0.41	<0.83	NA	NA	NA
Chlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	<2.5	<2.5	<2.5	<3.6	<1.8	<3.6	NA	NA	NA
Chloroethane	80	400	ND	ND	ND	ND	ND	ND	ND	<1.9	<1.9	<1.9	<6.7	<3.4	<6.7	NA	NA	NA
Chloroform	0.6	6	ND	ND	ND	ND	ND	ND	ND	<12.5	<12.5	<12.5	<6.4	<3.2	<6.4	NA	NA	NA
Chloromethane	3	30	ND	ND	ND	ND	ND	<2.0	<1.2	<2.5	<2.5	<2.5	<10.9	<5.5	<10.9	NA	NA	NA
cis-1,2-Dichloroethene	7	70	53	**240**	ND	**300**	66	**81.4**	30.2	68.7	52	5.3	5.6	51.3	32	49.5	44.1	35.6
cis-1,3-Dichloropropene	0.04	0.4	ND	ND	ND	ND	ND	ND	ND	<2.5	<2.5	<2.5	<18.1	<9.1	<18.1	NA	NA	NA
Dibromochloromethane	6	60	ND	ND	ND	ND	ND	<5.0	<1.2	<2.5	<2.5	<2.5	<13.0	<6.5	<13.0	NA	NA	NA
Dichlorodifluoromethane	200	1,000	ND	ND	ND	ND	ND	ND	ND	<1.1	<1.1	<1.1	<2.5	<1.2	<2.5	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	ND	ND	ND	ND	ND	ND	ND	<10.5	<10.5	<10.5	<5.9	<3.0	<5.9	NA	NA	NA
Methylene Chloride	0.5	5	ND	ND	**240 B**	ND	1.3 QB	ND	ND	<1.2	<1.2	<1.2	<2.9	<1.5	<2.9	NA	NA	NA
Tetrachloroethene	0.5	5	ND	ND	ND	ND	ND	ND	ND	<2.5	<2.5	<2.5	<1.6	<0.82	<1.6	<0.33	<0.82	<1.6
trans-1,2-Dichloroethene	20	100	ND	ND	58 J	ND	3.0 Q	4.2 J	2.0 J	4.0 J	2.5 J	<1.3	<5.5	3.3 J	<5.5	2.0 J	<2.7	<5.5
trans-1,3-Dichloropropene	0.04	0.4	ND	ND	ND	ND	ND	ND	ND	<1.1	<1.1	<1.1	<21.9	<10.9	<21.9	NA	NA	NA
Trichloroethene	0.5	5	**180**	**410**	**1,100**	**2,500**	**390**	**655**	**315**	**935**	**416**	**241**	**231**	**1,010**	**374**	**367**	**565**	**413**
Trichlorofluoromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	<0.92	<0.92	<0.92	<1.1	<0.54	<1.1	NA	NA	NA
Vinyl chloride	0.02	0.2	ND	ND	ND	ND	**0.40 Q**	<1.8	<0.44	< 0.88	<0.88	<0.88	<0.87	<0.44	<0.87	<0.17	<0.44	<0.87

Notes: Results are in ug/L.
PAL - Preventative Action Limit
ES - Enforcement Standard
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B - Analyte detected in Method or Trip Blank
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NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Table 1. Groundwater Results for CVOCs - former Navistar/RMG Foundry, Waukesha, WI

Well No.	WDNR NR 140 Standards		MW-15														
Parameter Date	PAL	ES	3/16/1992*	10/13/1992*	4/11/1996*	3/31/1998*	6/1/2015*	9/20/2016*	11/29/2017	3/15/2018	7/11/2018	10/3/2018	12/13/2018	3/28/2019	7/1/2019	9/13/2019	12/11/2019
1,1,1-Trichloroethane	40	200	**240**	**420**	200	39	6.8	16.7	23.9	25.3	16.6	33.8	23.5	25.4	12.1	55.5	20.5
1,1,2,2-Tetrachloroethane	0.02	0.2	ND	ND	ND	ND	ND	ND	<1.2	<1.2	<1.2	<1.4	<1.4	<1.4	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	ND	ND	ND	ND	ND	ND	<0.99	<0.99	<0.99	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
1,1-Dichloroethane	85	850	ND	28	23	6.7	8.4	11.6	15.1	15.2	9.3	26	15.5	15.5	7.2	31.2	14.6
1,1-Dichloroethene	0.7	7	**24**	**120**	**27**	6.1 Q	**267**	4.1	5.9	6.8	3.4 J	**12**	6.2	5.1	2.3 J	16.9	4.2J
1,2,4-Trichlorobenzene	14	70	ND	ND	ND	ND	ND	ND	<11.0	<11.0	<11.0	<4.8	<4.8	<4.8	NA	NA	NA
1,2-Dichlorobenzene	60	600	ND	ND	ND	ND	ND	ND	<2.5	<2.5	<2.5	<3.5	<3.5	<3.5	NA	NA	NA
1,2-Dichloroethane	0.5	5	ND	ND	ND	ND	ND	ND	<0.84	<0.84	<0.84	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
1,2-Dichloropropane	0.5	5	ND	ND	ND	ND	ND	ND	<1.2	<1.2	<1.2	<1.4	<1.4	<1.4	NA	NA	NA
1,3-Dichlorobenzene	120	600	ND	ND	ND	ND	ND	ND	<2.5	<2.5	<2.5	<3.1	<3.1	<3.1	NA	NA	NA
1,4-Dichlorobenzene	15	75	ND	ND	ND	ND	ND	ND	<2.5	<2.5	<2.5	<4.7	<4.7	<4.7	NA	NA	NA
Bromodichloromethane	0.06	0.6	ND	ND	ND	ND	<2.0	<2.0	<2.5	<2.5	<2.5	<1.8	<1.8	<1.8	NA	NA	NA
Carbon tetrachloride	0.5	5	ND	ND	ND	ND	ND	ND	<2.5	<2.5	<2.5	<0.83	<0.83	<0.83	NA	NA	NA
Chlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	<2.5	<2.5	<2.5	<3.6	<3.6	<3.6	NA	NA	NA
Chloroethane	80	400	ND	ND	ND	ND	ND	ND	<1.9	<1.9	<1.9	<6.7	<6.7	<6.7	NA	NA	NA
Chloroform	0.6	6	ND	ND	ND	ND	ND	ND	<12.5	<12.5	<12.5	<6.4	<6.4	<6.4	NA	NA	NA
Chloromethane	3	30	ND	ND	ND	ND	<2.0	<2.0	<2.5	<2.5	<2.5	<10.9	<10.9	<10.9	NA	NA	NA
cis-1,2-Dichloroethene	7	70	**210**	**300**	**140**	28	21.5	26.8	36.2	41	21.8	33.2	42.8	39.9	19.3	32.9	36.2
cis-1,3-Dichloropropene	0.04	0.4	ND	ND	ND	ND	ND	ND	<2.5	<2.5	<2.5	<18.1	<18.1	<18.1	NA	NA	NA
Dibromochloromethane	6	60	ND	ND	ND	ND	<2.0	<2.0	<2.5	<2.5	<2.5	<13.0	<13.0	<13.0	NA	NA	NA
Dichlorodifluoromethane	200	1,000	ND	ND	ND	ND	ND	ND	<1.1	<1.1	<1.1	<2.5	<2.5	<2.5	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	ND	ND	ND	ND	ND	ND	<10.5	<10.5	<10.5	<5.9	<5.9	<5.9	NA	NA	NA
Methylene Chloride	0.5	5	ND	**28 B**	ND	**5.4 QB**	ND	ND	<1.2	<1.2	<1.2	<2.9	<2.9	<2.9	NA	NA	NA
Tetrachloroethene	0.5	5	ND	ND	ND	ND	ND	ND	<2.5	<2.5	<2.5	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
trans-1,2-Dichloroethene	20	100	ND	ND	ND	ND	<1.0	2.1 J	2.3	2.1J	1.7J	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5
trans-1,3-Dichloropropene	0.04	0.4	ND	ND	ND	ND	ND	ND	<1.1	<1.1	<1.1	<21.9	<21.9	<21.9	NA	NA	NA
Trichloroethene	0.5	5	**410**	**1,100**	**1,400**	**360**	**373**	**425**	**484**	**514**	**323**	**858**	**482**	**496**	**294**	**1,490**	**433**
Trichlorofluoromethane	NS	NS	ND	ND	ND	ND	ND	ND	<0.92	<0.92	<0.92	<1.1	<1.1	<1.1	NA	NA	NA
Vinyl chloride	0.02	0.2	ND	ND	ND	ND	<0.70	<0.70	<0.88	<0.88	<0.88	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87

Notes: Results are in ug/L.
PAL - Preventative Action Limit
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NS - No Standard
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B - Analyte detected in Method or Trip Blank
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Bold - Exceeds ES

Well No.	WDNR NR 140 Standards		MW-23											
Parameter Date	PAL	ES	12/16/1992*	6/5/2015*	9/20/2016*	11/30/2017	3/15/2018	7/12/2018	10/3/2018	12/13/2018	3/27/2019	6/25/2019	9/13/2019	12/11/2019
1,1,1-Trichloroethane	40	200	ND	96.7	**344**	**363**	**435**	<25.0	**450**	**248**	**323**	**171**	13.7	7.3
1,1,2,2-Tetrachloroethane	0.02	0.2	ND	ND	ND	<18.1	<12.5	<12.5	<1.1	<11.0	<27.5	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	ND	ND	ND	<19.7	<9.9	<9.9	<2.2	<22.1	<55.2	<27.6	<0.55	<0.55
1,1-Dichloroethane	85	850	ND	87.2	183	179	177	152	137	82.1	124	78.9	4.1	2.9
1,1-Dichloroethene	0.7	7	ND	**58.1**	**44.1**	**106**	**127**	**117**	**83.5**	**40.2**	**84.1 J**	**48.6 J**	3.1	1.7
1,2,4-Trichlorobenzene	14	70	ND	ND	ND	<221	<110	<110	<3.8	<38.1	<95.1	NA	NA	NA
1,2-Dichlorobenzene	60	600	ND	ND	ND	<50.0	<25.0	<25.0	<2.8	<28.2	<70.5	NA	NA	NA
1,2-Dichloroethane	0.5	5	ND	ND	ND	<16.8	<8.4	<8.4	<1.1	<11.2	<28.0	<14.0	<0.28	<0.28
1,2-Dichloropropane	0.5	5	ND	ND	ND	<23.3	<11.7	<11.7	<1.1	<11.3	<28.3	NA	NA	NA
1,3-Dichlorobenzene	120	600	ND	ND	ND	<50.0	<25.0	<25.0	<2.5	<25.1	<62.8	NA	NA	NA
1,4-Dichlorobenzene	15	75	ND	ND	ND	<50.0	<25.0	<25.0	<3.8	<37.7	<94.4	NA	NA	NA
Bromodichloromethane	0.06	0.6	ND	<20.0	<20.0	<50.0	<25.0	<25.0	<1.5	<14.5	<36.4	NA	NA	NA
Carbon tetrachloride	0.5	5	ND	ND	ND	<50.0	<25.0	<25.0	<0.66	<6.6	<16.6	NA	NA	NA
Chlorobenzene	NS	NS	ND	ND	ND	<50.0	<25.0	<25.0	<2.8	<28.4	<71.1	NA	NA	NA
Chloroethane	80	400	ND	ND	ND	<37.5	<18.7	<18.7	<5.4	<53.7	<134	NA	NA	NA
Chloroform	0.6	6	ND	ND	ND	<250	<125	<125	<5.1	<51.0	<127	NA	NA	NA
Chloromethane	3	30	ND	<20.0	<20.0	<50.0	<25.0	<25.0	<8.8	<87.6	<219	NA	NA	NA
cis-1,2-Dichloroethene	7	70	ND	27.9 J	23.1 J	**151**	49.5 J	**85.6**	54.8	27.0 J	34.4 J	43.1 J	4.9	7.4
cis-1,3-Dichloropropene	0.04	0.4	ND	ND	ND	<50.0	<25.0	<25.0	<14.5	<145	<363	NA	NA	NA
Dibromochloromethane	6	60	ND	<20.0	<20.0	<50.0	<25.0	<25.0	<10.4	<104	<260	NA	NA	NA
Dichlorodifluoromethane	200	1,000	ND	ND	ND	<22.4	<11.2	<11.2	<2.0	<20.0	<50.0	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	ND	ND	ND	<211	<105	<105	<4.7	<47.3	<118	NA	NA	NA
Methylene Chloride	0.5	5	**7.6 B**	ND	ND	**29.9 J**	<11.6	<11.6	<2.3	<23.2	<58.1	NA	NA	NA
Tetrachloroethene	0.5	5	ND	ND	ND	<0.50	<25.0	<25.0	1.3 J	<13.1	<32.6	<16.3	<0.33	<0.33
trans-1,2-Dichloroethene	20	100	ND	<10.3	<10.3	<25.7	<12.8	<12.8	<4.4	<43.6	<109	<54.5	<1.1	<1.1
trans-1,3-Dichloropropene	0.04	0.4	ND	ND	ND	<23.0	<11.5	<11.5	<17.5	<175	<437	NA	NA	NA
Trichloroethene	0.5	5	**27**	**3,400**	**5,100**	**5,000**	**6,010**	**5,870**	**4,600**	**3,340**	**4,910**	**2,940**	**219**	**117**
Trichlorofluoromethane	NS	NS	ND	ND	ND	<18.5	<9.2	<9.2	<0.86	<8.6	<21.5	NA	NA	NA
Vinyl chloride	0.02	0.2	ND	<7.0	<7.0	<17.6	<8.8	<8.8	**0.97J**	<7.0	<17.5	<8.7	<0.17	<0.17

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ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Table 1. Groundwater Results for CVOCs - former Navistar/RMG Foundry, Waukesha, WI

Well No.	WDNR NR 140 Standards		MW-24										
Parameter Date	PAL	ES	12/16/1992*	6/5/2015*	11/29/2017	3/15/2018	7/12/2018	10/3/2018	12/13/2018	3/27/2019	6/25/2019	9/13/2019	12/11/2019
1,1,1-Trichloroethane	40	200	ND	111	87.7	174	**213**	44.4	65.1	**124**	**221**	109	121
1,1,2,2-Tetrachloroethane	0.02	0.2	ND	ND	<2.5	<2.5	<5.0	<5.5	<2.8	<13.8	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	ND	ND	<2.0	<2.0	<3.9	<11.0	<5.5	<27.6	<27.6	<5.5	<13.8
1,1-Dichloroethane	85	850	ND	102	39.6	79.2	95.2	26.4	31.5	65	86.2	37.4	47.2
1,1-Dichloroethene	0.7	7	ND	**74.8**	**27.9**	**51.7**	**47**	**9.7 J**	**11**	**33.1 J**	**60.9**	**25.5**	**17.3J**
1,2,4-Trichlorobenzene	14	70	ND	ND	<22.1	<22.1	<44.2	<19.0	<9.5	<47.6	NA	NA	NA
1,2-Dichlorobenzene	60	600	ND	ND	<5.0	<5.0	<10.0	<14.1	<7.1	<35.3	NA	NA	NA
1,2-Dichloroethane	0.5	5	ND	ND	<1.7	<1.7	<3.4	<5.6	<2.8	<14.0	<14.0	<2.8	<7.0
1,2-Dichloropropane	0.5	5	ND	ND	<2.3	<2.3	<4.7	<5.7	<2.8	<14.1	NA	NA	NA
1,3-Dichlorobenzene	120	600	ND	ND	<5.0	<5.0	<10.0	<12.6	<6.3	<31.4	NA	NA	NA
1,4-Dichlorobenzene	15	75	ND	ND	<5.0	<5.0	<10.0	<18.9	<9.4	<47.2	NA	NA	NA
Bromodichloromethane	0.06	0.6	ND	<25.0	<5.0	<5.0	<10.0	<7.3	<3.6	<18.2	NA	NA	NA
Carbon tetrachloride	0.5	5	ND	ND	<5.0	<5.0	<10.0	<3.3	<1.7	<8.3	NA	NA	NA
Chlorobenzene	NS	NS	ND	ND	<5.0	<5.0	<10.0	<14.2	<7.1	<35.5	NA	NA	NA
Chloroethane	80	400	ND	ND	<3.7	<3.7	<7.5	<26.8	<13.4	<67.1	NA	NA	NA
Chloroform	0.6	6	ND	ND	<25.0	<25.0	<50.0	<25.5	<12.7	<63.7	NA	NA	NA
Chloromethane	3	30	ND	<25.0	<5.0	<5.0	<10.0	<43.8	<21.9	<109	NA	NA	NA
cis-1,2-Dichloroethene	7	70	ND	59.2	31.7	54.3	54.9	49	45.6	34.8 J	46.9 J	13.8	23.4J
cis-1,3-Dichloropropene	0.04	0.4	ND	ND	<5.0	<5.0	<10.0	<72.6	<36.3	<181	NA	NA	NA
Dibromochloromethane	6	60	ND	<25.0	<5.0	<5.0	<10.0	<52.0	<26.0	<130	NA	NA	NA
Dichlorodifluoromethane	200	1,000	ND	ND	<2.2	<2.2	<4.5	<10	<5.0	<25.0	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	ND	ND	<21.1	<21.1	<42.1	<23.6	<11.8	<59.1	NA	NA	NA
Methylene Chloride	0.5	5	**7.6 B**	ND	<2.3	<2.3	<4.7	<11.6	<5.8	<29.0	NA	NA	NA
Tetrachloroethene	0.5	5	ND	ND	<5.0	<5.0	<10.0	<6.5	<3.3	<16.3	<16.3	<3.3	<8.2
trans-1,2-Dichloroethene	20	100	ND	<12.8	<2.6	<2.6	<5.1	<21.8	<10.9	<54.5	<54.5	<10.9	<27.3
trans-1,3-Dichloropropene	0.04	0.4	ND	ND	<2.3	<2.3	<4.6	<87.4	<43.7	<219	NA	NA	NA
Trichloroethene	0.5	5	**27**	**5,000**	**1,280**	**2,850**	**3,340**	**866**	**1,170**	**2,490**	**3,710**	**996**	**1720**
Trichlorofluoromethane	NS	NS	ND	ND	<1.8	<1.8	<3.7	<4.3	<2.1	<10.7	NA	NA	NA
Vinyl chloride	0.02	0.2	ND	ND	<1.8	<1.8	<3.5	<3.5	<1.7	<8.7	<8.7	<1.7	<4.4

Notes: Results are in ug/L.
PAL - Preventative Action Limit
ES - Enforcement Standard
NS - No Standard
* - Sample collected by others

B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Well No.	WDNR NR 140 Standards		MW-24D								
Parameter Date	PAL	ES	11/29/2017	3/15/2018	7/12/2018	10/3/2018	12/13/2018	3/27/2019	6/25/2019	9/13/2019	12/11/2019
1,1,1-Trichloroethane	40	200	<0.50	<0.50	<0.50	<0.24	<0.24	<0.24	0.29 J	0.33J	<0.24
1,1,2,2-Tetrachloroethane	0.02	0.2	<0.25	<0.25	<0.25	<0.28	<0.28	<0.28	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	<0.20	<0.20	<0.20	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55
1,1-Dichloroethane	85	850	<0.24	<0.24	<0.24	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
1,1-Dichloroethene	0.7	7	<0.41	<0.41	<0.41	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
1,2,4-Trichlorobenzene	14	70	<2.2	<2.2	<2.2	<0.95	<0.95	<0.95	NA	NA	NA
1,2-Dichlorobenzene	60	600	<0.50	<0.50	<0.50	<0.71	<0.71	<0.71	NA	NA	NA
1,2-Dichloroethane	0.5	5	<0.17	<0.17	<0.17	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
1,2-Dichloropropane	0.5	5	<0.23	<0.23	<0.23	<0.28	<0.28	<0.28	NA	NA	NA
1,3-Dichlorobenzene	120	600	<0.50	<0.50	<0.50	<0.63	<0.63	<0.63	NA	NA	NA
1,4-Dichlorobenzene	15	75	<0.50	<0.50	<0.50	<0.94	<0.94	<0.94	NA	NA	NA
Bromodichloromethane	0.06	0.6	<0.50	<0.50	<0.50	<0.36	<0.36	<0.36	NA	NA	NA
Carbon tetrachloride	0.5	5	<0.50	<0.50	<0.50	<0.17	<0.17	<0.17	NA	NA	NA
Chlorobenzene	NS	NS	<0.50	<0.50	<0.50	<0.71	<0.71	<0.71	NA	NA	NA
Chloroethane	80	400	<0.37	<0.37	<0.37	<1.3	<1.3	<1.3	NA	NA	NA
Chloroform	0.6	6	<2.5	<2.5	<2.5	<1.3	<1.3	<1.3	NA	NA	NA
Chloromethane	3	30	<0.50	<0.50	<0.50	<2.2	<2.2	<2.2	NA	NA	NA
cis-1,2-Dichloroethene	7	70	2.4	4.3	6.7	<0.27	8.4	7.4	6.8	5.1	7.5
cis-1,3-Dichloropropene	0.04	0.4	<0.50	<0.50	<0.50	<3.6	<3.6	<3.6	NA	NA	NA
Dibromochloromethane	6	60	<0.50	<0.50	<0.50	<2.6	<2.6	<2.6	NA	NA	NA
Dichlorodifluoromethane	200	1,000	<0.22	<0.22	<0.22	<0.50	<0.50	<0.50	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	<2.1	<2.1	<2.1	<1.2	<1.2	<1.2	NA	NA	NA
Methylene Chloride	0.5	5	<0.23	<0.23	<0.23	<0.58	<0.58	<0.58	NA	NA	NA
Tetrachloroethene	0.5	5	<0.50	<0.50	<0.50	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
trans-1,2-Dichloroethene	20	100	<0.26	<0.26	<0.26	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
trans-1,3-Dichloropropene	0.04	0.4	<0.23	<0.23	<0.23	<4.4	<4.4	<4.4	NA	NA	NA
Trichloroethene	0.5	5	2.2	5.0	4.1	<0.26	3.0	3.1	1.9	1.7	2
Trichlorofluoromethane	NS	NS	<0.18	<0.18	<0.18	<0.21	<0.21	<0.21	NA	NA	NA
Vinyl chloride	0.02	0.2	<0.18	**0.60 J**	<0.18	<0.17	**0.44 J**	<0.17	<0.17	<0.17	0.28J

Notes: Results are in ug/L.
PAL - Preventative Action Limit
ES - Enforcement Standard
NS - No Standard
* - Sample collected by others

B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Table 1. Groundwater Results for CVOCs - former Navistar/RMG Foundry, Waukesha, WI

Well No.	WDNR NR 140 Standards		MW-25								
Parameter Date	PAL	ES	11/27/2017	3/13/2018	7/10/2018	10/2/2018	12/12/2018	3/26/2019	6/24/2019	9/10/2019	12/11/2019
1,1,1-Trichloroethane	40	200	<0.50	<0.50	<0.50	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
1,1,2,2-Tetrachloroethane	0.02	0.2	<0.25	<0.25	<0.25	<0.28	<0.28	<0.28	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	<0.20	<0.20	<0.20	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55
1,1-Dichloroethane	85	850	<0.24	<0.24	<0.24	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
1,1-Dichloroethene	0.7	7	<0.41	<0.41	<0.41	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
1,2,4-Trichlorobenzene	14	70	<2.2	<2.2	<2.2	<0.95	<0.95	<0.95	NA	NA	NA
1,2-Dichlorobenzene	60	600	<0.50	<0.50	<0.50	<0.71	<0.71	<0.71	NA	NA	NA
1,2-Dichloroethane	0.5	5	<0.17	<0.17	<0.17	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
1,2-Dichloropropane	0.5	5	<0.23	<0.23	<0.23	<0.28	<0.28	<0.28	NA	NA	NA
1,3-Dichlorobenzene	120	600	<0.50	<0.50	<0.50	<0.63	<0.63	<0.63	NA	NA	NA
1,4-Dichlorobenzene	15	75	<0.50	<0.50	<0.50	<0.94	<0.94	<0.94	NA	NA	NA
Bromodichloromethane	0.06	0.6	<0.50	<0.50	<0.50	<0.36	<0.36	<0.36	NA	NA	NA
Carbon tetrachloride	0.5	5	<0.50	<0.50	<0.50	<0.17	<0.17	<0.17	NA	NA	NA
Chlorobenzene	NS	NS	<0.50	<0.50	<0.50	<0.71	<0.71	<0.71	NA	NA	NA
Chloroethane	80	400	<0.37	<0.37	<0.37	<1.3	<1.3	<1.3	NA	NA	NA
Chloroform	0.6	6	<2.5	<2.5	<2.5	<1.3	<1.3	<1.3	NA	NA	NA
Chloromethane	3	30	<0.50	<0.50	<0.50	<2.2	<2.2	<2.2	NA	NA	NA
cis-1,2-Dichloroethene	7	70	<0.26	<0.26	<0.26	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
cis-1,3-Dichloropropene	0.04	0.4	<0.50	<0.50	<0.50	<3.6	<3.6	<3.6	NA	NA	NA
Dibromochloromethane	6	60	<0.50	<0.50	<0.50	<2.6	<2.6	<2.6	NA	NA	NA
Dichlorodifluoromethane	200	1,000	<0.22	<0.22	<0.22	<0.50	<0.50	<0.50	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	<2.1	<2.1	<2.1	<1.2	<1.2	<1.2	NA	NA	NA
Methylene Chloride	0.5	5	<0.23	<0.23	<0.23	<0.58	<0.58	<0.58	NA	NA	NA
Tetrachloroethene	0.5	5	<0.50	<0.50	<0.50	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
trans-1,2-Dichloroethene	20	100	<0.26	<0.26	<0.26	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
trans-1,3-Dichloropropene	0.04	0.4	<0.23	<0.23	<0.23	<4.4	<4.4	<4.4	NA	NA	NA
Trichloroethene	0.5	5	0.83 J	0.45 J	<0.33	<0.26	0.26 J	1.2	0.32 J	<0.26	<0.26
Trichlorofluoromethane	NS	NS	<0.18	<0.18	<0.18	<0.21	<0.21	<0.21	NA	NA	NA
Vinyl chloride	0.02	0.2	<0.18	<0.18	<0.18	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17

Notes: Results are in ug/L.
PAL - Preventative Action Limit
ES - Enforcement Standard
NS - No Standard
* - Sample collected by others

B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Well No.	WDNR NR 140 Standards		MW-26						
Parameter Date	PAL	ES	7/10/2018	10/2/2018	12/12/2018	3/26/2019	6/24/2019	9/10/2019	12/11/2019
1,1,1-Trichloroethane	40	200	0.60 J	0.36 J	1.5	4.1	1.6	0.96J	2
1,1,2,2-Tetrachloroethane	0.02	0.2	<0.25	<0.28	<0.28	<0.28	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	<0.20	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55
1,1-Dichloroethane	85	850	0.29 J	<0.27	1.1	3.0	1.3	0.97J	1.9
1,1-Dichloroethene	0.7	7	<0.41	<0.24	0.35 J	1.1	<0.24	<0.24	0.55J
1,2,4-Trichlorobenzene	14	70	<2.2	<0.95	<0.95	<0.95	NA	NA	NA
1,2-Dichlorobenzene	60	600	<0.50	<0.71	<0.71	<0.71	NA	NA	NA
1,2-Dichloroethane	0.5	5	<0.17	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
1,2-Dichloropropane	0.5	5	<0.23	<0.28	<0.28	<0.28	NA	NA	NA
1,3-Dichlorobenzene	120	600	<0.50	<0.63	<0.63	<0.63	NA	NA	NA
1,4-Dichlorobenzene	15	75	<0.50	<0.94	<0.94	<0.94	NA	NA	NA
Bromodichloromethane	0.06	0.6	<0.50	<0.36	<0.36	<0.36	NA	NA	NA
Carbon tetrachloride	0.5	5	<0.50	<0.17	<0.17	<0.17	NA	NA	NA
Chlorobenzene	NS	NS	<0.50	<0.71	<0.71	<0.71	NA	NA	NA
Chloroethane	80	400	<0.37	<1.3	<1.3	<1.3	NA	NA	NA
Chloroform	0.6	6	<2.5	<1.3	<1.3	<1.3	NA	NA	NA
Chloromethane	3	30	<0.50	<2.2	<2.2	<2.2	NA	NA	NA
cis-1,2-Dichloroethene	7	70	<0.26	0.45 J	2.1	5.8	2.1	5.2	3.3
cis-1,3-Dichloropropene	0.04	0.4	<0.50	<3.6	<3.6	<3.6	NA	NA	NA
Dibromochloromethane	6	60	<0.50	<2.6	<2.6	<2.6	NA	NA	NA
Dichlorodifluoromethane	200	1,000	<0.22	<0.50	<0.50	<0.50	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	<2.1	<1.2	<1.2	<1.2	NA	NA	NA
Methylene Chloride	0.5	5	<0.23	<0.58	<0.58	<0.58	NA	NA	NA
Tetrachloroethene	0.5	5	<0.50	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
trans-1,2-Dichloroethene	20	100	<0.26	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
trans-1,3-Dichloropropene	0.04	0.4	<0.23	<4.4	<4.4	<4.4	NA	NA	NA
Trichloroethene	0.5	5	**16.3**	**12.7**	**34.1**	**104**	**50.1**	**34.9**	**52.6**
Trichlorofluoromethane	NS	NS	<0.18	<0.21	<0.21	<0.21	NA	NA	NA
Vinyl chloride	0.02	0.2	<0.18	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17

Notes: Results are in ug/L.
PAL - Preventative Action Limit
ES - Enforcement Standard
NS - No Standard
* - Sample collected by others

B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Table 1. Groundwater Results for CVOCs - former Navistar/RMG Foundry, Waukesha, WI

Well No.	WDNR NR 140 Standards		MW-27								
Parameter Date	PAL	ES	11/28/2017	3/13/3018	7/11/2018	10/2/2018	12/11/2018	3/27/2019	6/20/2019	9/10/2019	12/10/2019
1,1,1-Trichloroethane	40	200	<0.50	<0.50	<0.50	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
1,1,2,2-Tetrachloroethane	0.02	0.2	<0.25	<0.25	<0.25	<0.28	<0.28	<0.28	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	<0.20	<0.20	<0.20	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55
1,1-Dichloroethane	85	850	1.3	2.5	0.56 J	<0.27	<0.27	<0.27	0.29 J	0.63J	0.77J
1,1-Dichloroethene	0.7	7	<0.41	<0.41	<0.41	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
1,2,4-Trichlorobenzene	14	70	<2.2	<2.2	<2.2	<0.95	<0.95	<0.95	NA	NA	NA
1,2-Dichlorobenzene	60	600	<0.50	<0.50	<0.50	<0.71	<0.71	<0.71	NA	NA	NA
1,2-Dichloroethane	0.5	5	<0.17	<0.17	<0.17	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
1,2-Dichloropropane	0.5	5	<0.23	<0.23	<0.23	<0.28	<0.28	<0.28	NA	NA	NA
1,3-Dichlorobenzene	120	600	<0.50	<0.50	<0.50	<0.63	<0.63	<0.63	NA	NA	NA
1,4-Dichlorobenzene	15	75	<0.50	<0.50	<0.50	<0.94	<0.94	<0.94	NA	NA	NA
Bromodichloromethane	0.06	0.6	<0.50	<0.50	<0.50	<0.36	<0.36	<0.36	NA	NA	NA
Carbon tetrachloride	0.5	5	<0.50	<0.50	<0.50	<0.17	<0.17	<0.17	NA	NA	NA
Chlorobenzene	NS	NS	<0.50	<0.50	<0.50	<0.71	<0.71	<0.71	NA	NA	NA
Chloroethane	80	400	<0.37	<0.37	<0.37	<1.3	<1.3	<1.3	NA	NA	NA
Chloroform	0.6	6	<2.5	<2.5	<2.5	<1.3	<1.3	<1.3	NA	NA	NA
Chloromethane	3	30	<0.50	<0.50	<0.50	<2.2	<2.2	<2.2	NA	NA	NA
cis-1,2-Dichloroethene	7	70	19.5	7.7	<0.26	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
cis-1,3-Dichloropropene	0.04	0.4	<0.50	<0.50	<0.50	<3.6	<3.6	<3.6	NA	NA	NA
Dibromochloromethane	6	60	<0.50	<0.50	<0.50	<2.6	<2.6	<2.6	NA	NA	NA
Dichlorodifluoromethane	200	1,000	<0.22	<0.22	<0.22	<0.50	<0.50	<0.50	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	<2.1	<2.1	<2.1	<1.2	<1.2	<1.2	NA	NA	NA
Methylene Chloride	0.5	5	<0.23	<0.23	<0.23	<0.58	<0.58	<0.58	NA	NA	NA
Tetrachloroethene	0.5	5	<0.50	<0.50	<0.50	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
trans-1,2-Dichloroethene	20	100	<0.26	<0.26	<0.26	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
trans-1,3-Dichloropropene	0.04	0.4	<0.23	<0.23	<0.23	<4.4	<4.4	<4.4	NA	NA	NA
Trichloroethene	0.5	5	<0.33	0.64 J	<0.33	<0.26	<0.26	1.8	<0.26	<0.26	0.26J
Trichlorofluoromethane	NS	NS	<0.18	<0.18	<0.18	<0.21	<0.21	<0.21	NA	NA	NA
Vinyl chloride	0.02	0.2	<0.18	**10.9**	<0.18	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17

Notes: Results are in ug/L.
PAL - Preventative Action Limit
ES - Enforcement Standard
NS - No Standard
* - Sample collected by others

B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Well No.	WDNR NR 140 Standards		MW-28							
Parameter Date	PAL	ES	12/7/2017	3/15/2018	7/12/2018	10/3/2018	12/13/2018	3/27/2019	6/25/2019	9/13/2019
1,1,1-Trichloroethane	40	200	<0.50	<0.50	<0.50	<0.24	<0.24	<0.24	<0.24	<0.24
1,1,2,2-Tetrachloroethane	0.02	0.2	<0.25	<0.25	<0.25	<0.28	<0.28	<0.28	NA	NA
1,1,2-Trichloroethane	0.5	5	<0.20	<0.20	<0.20	<0.55	<0.55	<0.55	<0.55	<0.55
1,1-Dichloroethane	85	850	<0.24	<0.24	<0.24	<0.27	<0.27	<0.27	<0.27	<0.27
1,1-Dichloroethene	0.7	7	<0.41	<0.41	<0.41	<0.24	<0.24	<0.24	<0.24	<0.24
1,2,4-Trichlorobenzene	14	70	<2.2	<2.2	<2.2	<0.95	<0.95	<0.95	NA	NA
1,2-Dichlorobenzene	60	600	<0.50	<0.50	<0.50	<0.71	<0.71	<0.71	NA	NA
1,2-Dichloroethane	0.5	5	<0.17	<0.17	<0.17	<0.28	<0.28	<0.28	<0.28	<0.28
1,2-Dichloropropane	0.5	5	<0.23	<0.23	<0.23	<0.28	<0.28	<0.28	NA	NA
1,3-Dichlorobenzene	120	600	<0.50	<0.50	<0.50	<0.63	<0.63	<0.63	NA	NA
1,4-Dichlorobenzene	15	75	<0.50	<0.50	<0.50	<0.94	<0.94	<0.94	NA	NA
Bromodichloromethane	0.06	0.6	<0.50	<0.50	<0.50	<0.36	<0.36	<0.36	NA	NA
Carbon tetrachloride	0.5	5	<0.50	<0.50	<0.50	<0.17	<0.17	<0.17	NA	NA
Chlorobenzene	NS	NS	<0.50	<0.50	<0.50	<0.71	<0.71	<0.71	NA	NA
Chloroethane	80	400	<0.37	<0.37	<0.37	<1.3	<1.3	<1.3	NA	NA
Chloroform	0.6	6	<2.5	<2.5	<2.5	<1.3	<1.3	<1.3	NA	NA
Chloromethane	3	30	<0.50	<0.50	<0.50	<2.2	<2.2	<2.2	NA	NA
cis-1,2-Dichloroethene	7	70	0.28 J	1.4	0.44 J	<0.27	<0.27	<0.27	<0.27	<0.27
cis-1,3-Dichloropropene	0.04	0.4	<0.50	<0.50	<0.50	<3.6	<3.6	<3.6	NA	NA
Dibromochloromethane	6	60	<0.50	<0.50	<0.50	<2.6	<2.6	<2.6	NA	NA
Dichlorodifluoromethane	200	1,000	<0.22	<0.22	<0.22	<0.50	<0.50	<0.50	NA	NA
Hexachloro-1,3-butadiene	NS	NS	<2.1	<2.1	<2.1	<1.2	<1.2	<1.2	NA	NA
Methylene Chloride	0.5	5	<0.23	<0.23	<0.23	<0.58	<0.58	<0.58	NA	NA
Tetrachloroethene	0.5	5	<0.50	<0.50	<0.50	<0.33	<0.33	<0.33	<0.33	<0.33
trans-1,2-Dichloroethene	20	100	<0.26	<0.26	<0.26	<1.1	<1.1	<1.1	<1.1	<1.1
trans-1,3-Dichloropropene	0.04	0.4	<0.23	<0.23	<0.23	<4.4	<4.4	<4.4	NA	NA
Trichloroethene	0.5	5	0.55 J	0.84 J	0.69 J	<0.26	0.28 J	1.9	0.38 J	0.31 J
Trichlorofluoromethane	NS	NS	<0.18	<0.18	<0.18	<0.21	<0.21	<0.21	NA	NA
Vinyl chloride	0.02	0.2	<0.18	<0.18	<0.18	<0.17	<0.17	<0.17	<0.17	<0.17

Notes: Results are in ug/L.
PAL - Preventative Action Limit
ES - Enforcement Standard
NS - No Standard
* - Sample collected by others

B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Table 1. Groundwater Results for CVOCs - former Navistar/RMG Foundry, Waukesha, WI

Well No.	WDNR NR 140 Standards		MW-29								
Parameter Date	PAL	ES	11/28/2017	3/13/2018	7/11/2018	9/28/2019	12/11/2018	3/25/2019	6/24/2019	9/11/2019	12/6/2019
1,1,1-Trichloroethane	40	200	30.4	31.4	33.3	31.7	21	23.2	21.5	30.7	27.8
1,1,2,2-Tetrachloroethane	0.02	0.2	<0.25	<0.25	<0.50	<0.55	<0.55	<0.55	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	<0.20	<0.20	<0.39	<1.1	<1.1	<1.1	<1.1	<0.55	<0.55
1,1-Dichloroethane	85	850	12.4	14.4	12.6	11	8.9	8.6	8.7	9	10.1
1,1-Dichloroethene	0.7	7	4.0	5.2	3.9	3.2	2.5	3.2	2.7	0.82J	3.2
1,2,4-Trichlorobenzene	14	70	<2.2	<2.2	<4.4	<1.9	<1.9	<1.9	NA	NA	NA
1,2-Dichlorobenzene	60	600	<0.50	<0.50	<1.0	<1.4	<1.4	<1.4	NA	NA	NA
1,2-Dichloroethane	0.5	5	<0.17	<0.17	<0.34	<0.56	<0.56	<0.56	<0.56	<0.28	<0.28
1,2-Dichloropropane	0.5	5	<0.23	<0.23	<0.47	<0.57	<0.57	<0.57	NA	NA	NA
1,3-Dichlorobenzene	120	600	<0.50	<0.50	<1.0	<1.3	<1.3	<1.3	NA	NA	NA
1,4-Dichlorobenzene	15	75	<0.50	<0.50	<1.0	<1.9	<1.9	<1.9	NA	NA	NA
Bromodichloromethane	0.06	0.6	<0.50	<0.50	<1.0	<0.73	<0.73	<0.73	NA	NA	NA
Carbon tetrachloride	0.5	5	<0.50	<0.50	<1.0	<0.33	<0.33	<0.33	NA	NA	NA
Chlorobenzene	NS	NS	<0.50	<0.50	<1.0	<1.4	<1.4	<1.4	NA	NA	NA
Chloroethane	80	400	<0.37	<0.37	<0.75	<2.7	<2.7	<2.7	NA	NA	NA
Chloroform	0.6	6	<2.5	<2.5	<5.0	<2.5	<2.5	<2.5	NA	NA	NA
Chloromethane	3	30	<0.50	<0.50	<1.0	<4.4	<4.4	<4.4	NA	NA	NA
cis-1,2-Dichloroethene	7	70	14.1	10.8	8.4	9.0	6.4	8.0	7.0	6	8
cis-1,3-Dichloropropene	0.04	0.4	<0.50	<0.50	<1.0	<7.3	<7.3	<7.3	NA	NA	NA
Dibromochloromethane	6	60	<0.50	<0.50	<1.0	<5.2	<5.2	<5.2	NA	NA	NA
Dichlorodifluoromethane	200	1,000	<0.22	<0.22	<0.45	<1.0	<1.0	<1.0	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	<2.1	<2.1	<4.2	<2.4	<2.4	<2.4	NA	NA	NA
Methylene Chloride	0.5	5	<0.23	<0.23	<0.47	<1.2	<1.2	<1.2	NA	NA	NA
Tetrachloroethene	0.5	5	<0.50	<0.50	<1.0	<0.65	<0.65	<0.65	<0.65	<0.33	<0.33
trans-1,2-Dichloroethene	20	100	0.34 J	0.31 J	<0.51	<2.2	<2.2	<2.2	<2.2	<1.1	<1.1
trans-1,3-Dichloropropene	0.04	0.4	<0.23	<0.23	<0.46	<8.7	<8.7	<8.7	NA	NA	NA
Trichloroethene	0.5	5	**255**	**220**	**233**	**220**	**182**	**158**	**156**	**207**	**195**
Trichlorofluoromethane	NS	NS	<0.18	<0.18	<0.37	<0.43	<0.43	<0.43	NA	NA	NA
Vinyl chloride	0.02	0.2	<0.18	<0.18	<0.35	<0.35	<0.35	<0.35	<0.35	<0.17	<0.17

Notes: Results are in ug/L.
PAL - Preventative Action Limit
ES - Enforcement Standard
NS - No Standard
* - Sample collected by others

B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Well No.	WDNR NR 140 Standards		MW-29D								
Parameter Date	PAL	ES	11/28/2017	3/13/2018	7/11/2018	9/28/2018	12/11/2018	3/25/2019	6/24/2019	9/11/2019	12/6/2019
1,1,1-Trichloroethane	40	200	<0.50	<0.50	<0.50	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
1,1,2,2-Tetrachloroethane	0.02	0.2	<0.25	<0.25	<0.25	<0.28	<0.28	<0.28	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	<0.20	<0.20	<0.20	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55
1,1-Dichloroethane	85	850	<0.24	<0.24	<0.24	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
1,1-Dichloroethene	0.7	7	<0.41	<0.41	<0.41	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
1,2,4-Trichlorobenzene	14	70	<2.2	<0.50	<2.2	<0.95	<0.95	<0.95	NA	NA	NA
1,2-Dichlorobenzene	60	600	<0.50	<0.50	<0.50	<0.71	<0.71	<0.71	NA	NA	NA
1,2-Dichloroethane	0.5	5	<0.17	<0.17	<0.17	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
1,2-Dichloropropane	0.5	5	<0.23	<0.23	<0.23	<0.28	<0.28	<0.28	NA	NA	NA
1,3-Dichlorobenzene	120	600	<0.50	<0.50	<0.50	<0.63	<0.63	<0.63	NA	NA	NA
1,4-Dichlorobenzene	15	75	<0.50	<0.50	<0.50	<0.94	<0.94	<0.94	NA	NA	NA
Bromodichloromethane	0.06	0.6	<0.50	<0.50	<0.50	<0.36	<0.36	<0.36	NA	NA	NA
Carbon tetrachloride	0.5	5	<0.50	<0.50	<0.50	<0.17	<0.17	<0.17	NA	NA	NA
Chlorobenzene	NS	NS	<0.50	<0.50	<0.50	<0.71	<0.71	<0.71	NA	NA	NA
Chloroethane	80	400	<0.37	<0.37	<0.37	<1.3	<1.3	<1.3	NA	NA	NA
Chloroform	0.6	6	<2.5	<2.5	<2.5	<1.3	<1.3	<1.3	NA	NA	NA
Chloromethane	3	30	<0.50	<0.50	<0.50	<2.2	<2.2	<2.2	NA	NA	NA
cis-1,2-Dichloroethene	7	70	<0.26	<0.26	<0.26	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
cis-1,3-Dichloropropene	0.04	0.4	<0.50	<0.50	<0.50	<3.6	<3.6	<3.6	NA	NA	NA
Dibromochloromethane	6	60	<0.50	<0.50	<0.50	<2.6	<2.6	<2.6	NA	NA	NA
Dichlorodifluoromethane	200	1,000	<0.22	<0.22	<0.22	<0.50	<0.50	<0.50	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	<2.1	<2.1	<2.1	<1.2	<1.2	<1.2	NA	NA	NA
Methylene Chloride	0.5	5	<0.23	<0.23	<0.23	<0.58	<0.58	<0.58	NA	NA	NA
Tetrachloroethene	0.5	5	<0.50	<0.50	<0.50	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
trans-1,2-Dichloroethene	20	100	<0.26	<0.26	<0.26	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
trans-1,3-Dichloropropene	0.04	0.4	<0.23	<0.23	<0.23	<4.4	<4.4	<4.4	NA	NA	NA
Trichloroethene	0.5	5	<0.33	<0.33	<0.33	<0.26	<0.26	<0.26	<0.26	<0.26	0.63J
Trichlorofluoromethane	NS	NS	<0.18	<0.18	<0.18	<0.21	<0.21	<0.21	NA	NA	NA
Vinyl chloride	0.02	0.2	<0.18	<0.18	<0.18	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17

Notes: Results are in ug/L.
PAL - Preventative Action Limit
ES - Enforcement Standard
NS - No Standard
* - Sample collected by others

B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Table 1. Groundwater Results for CVOCs - former Navistar/RMG Foundry, Waukesha, WI

Well No.	WDNR NR 140 Standards		MW-30								
Parameter Date	PAL	ES	11/28/2017	3/15/2018	7/12/2018	10/4/2018	12/14/2018	3/29/2019	6/26/2019	9/16/2019	12/12/2019
1,1,1-Trichloroethane	40	200	**462**	**383**	**448**	**328**	**350**	**299**	**274**	**244**	**247**
1,1,2,2-Tetrachloroethane	0.02	0.2	<24.9	<12.5	<12.5	<13.8	<13.8	<13.8	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	<19.7	<9.9	<9.9	<27.6	<27.6	<27.6	<27.6	<27.6	<27.6
1,1-Dichloroethane	85	850	216	160	168	114	129	124	91.4	64	113
1,1-Dichloroethene	0.7	7	**125**	**110**	**113**	**73.6**	**93**	**62.9**	**69.1**	**56.9**	**62.2**
1,2,4-Trichlorobenzene	14	70	<221	<110	<110	<47.6	<47.6	<47.6	NA	NA	NA
1,2-Dichlorobenzene	60	600	<50.0	<25.0	<25.0	<35.3	<35.3	<35.3	NA	NA	NA
1,2-Dichloroethane	0.5	5	<16.8	<8.4	<8.4	<14.0	<14.0	<14.0	<14.0	<14.0	<14.0
1,2-Dichloropropane	0.5	5	<23.3	<11.7	<11.7	<14.1	<14.1	<14.1	NA	NA	NA
1,3-Dichlorobenzene	120	600	<50.0	<25.0	<25.0	<31.4	<31.4	<31.4	NA	NA	NA
1,4-Dichlorobenzene	15	75	<50.0	<25.0	<25.0	<47.2	<47.2	<47.2	NA	NA	NA
Bromodichloromethane	0.06	0.6	<50.0	<25.0	<25.0	<18.2	<18.2	<18.2	NA	NA	NA
Carbon tetrachloride	0.5	5	<50.0	<25.0	<25.0	<8.3	<8.3	<8.3	NA	NA	NA
Chlorobenzene	NS	NS	<50.0	<25.0	<25.0	<35.5	<35.5	<35.5	NA	NA	NA
Chloroethane	80	400	<37.5	<18.7	<18.7	<67.1	<67.1	<67.1	NA	NA	NA
Chloroform	0.6	6	<250	<125	<125	<63.7	<63.7	<63.7	NA	NA	NA
Chloromethane	3	30	<50.0	<25.0	<25.0	<109	<109	<109	NA	NA	NA
cis-1,2-Dichloroethene	7	70	32.1 J	36.2 J	39.8 J	28.7 J	32.1 J	35.1 J	42.7 J	<13.6	27.6J
cis-1,3-Dichloropropene	0.04	0.4	<50.0	<25.0	<25.0	<181	<181	<181	NA	NA	NA
Dibromochloromethane	6	60	<50.0	<25.0	<25.0	<130	<130	<130	NA	NA	NA
Dichlorodifluoromethane	200	1,000	<22.4	<11.2	<11.2	<25.0	<25.0	<25.0	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	<211	<105	<105	<59.1	<59.1	<59.1	NA	NA	NA
Methylene Chloride	0.5	5	<23.3	<11.6	<11.6	<29.0	<29.0	<29.0	NA	NA	NA
Tetrachloroethene	0.5	5	<50.0	<25.0	<25.0	<16.3	<16.3	<16.3	<16.3	<16.3	<16.3
trans-1,2-Dichloroethene	20	100	<25.7	<12.8	<12.8	<54.5	<54.5	<54.5	<54.5	<54.5	<54.5
trans-1,3-Dichloropropene	0.04	0.4	<23.0	<11.5	<11.5	<219	<219	<219	NA	NA	NA
Trichloroethene	0.5	5	**5,600**	**5,010**	**5,200**	**3,940**	**4,510**	**3,990**	**3,550**	**2,940**	**3,380**
Trichlorofluoromethane	NS	NS	<18.5	<9.2	<9.2	<10.7	<10.7	<10.7	NA	NA	NA
Vinyl chloride	0.02	0.2	<17.6	<8.8	<8.8	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7

Notes: Results are in ug/L.
PAL - Preventative Action Limit
ES - Enforcement Standard
NS - No Standard
* - Sample collected by others

B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Well No.	WDNR NR 140 Standards		MW-31								
Parameter Date	PAL	ES	11/30/2017	3/14/2018	7/12/2018	10/4/2018	12/14/2018	3/28/2019	6/25/2019	9/31/2019	12/12/2019
1,1,1-Trichloroethane	40	200	<0.50	<0.50	<0.50	<0.24	0.37 J	0.30 J	<0.24	<0.24	<0.24
1,1,2,2-Tetrachloroethane	0.02	0.2	<0.25	<0.25	<0.25	<0.28	<0.28	<0.28	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	<0.20	<0.20	<0.20	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55
1,1-Dichloroethane	85	850	0.31 J	<0.24	0.34 J	0.28 J	<0.27	<0.27	<0.27	<0.27	<0.27
1,1-Dichloroethene	0.7	7	<0.41	<0.41	<0.41	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
1,2,4-Trichlorobenzene	14	70	<2.2	<2.2	<2.2	<0.95	<0.95	<0.95	NA	NA	NA
1,2-Dichlorobenzene	60	600	<0.50	<0.50	<0.50	<0.71	<0.71	<0.71	NA	NA	NA
1,2-Dichloroethane	0.5	5	<0.17	<0.17	<0.17	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
1,2-Dichloropropane	0.5	5	<0.23	<0.23	<0.23	<0.28	<0.28	<0.28	NA	NA	NA
1,3-Dichlorobenzene	120	600	<0.50	<0.50	<0.50	<0.63	<0.63	<0.63	NA	NA	NA
1,4-Dichlorobenzene	15	75	<0.50	<0.50	<0.50	<0.94	<0.94	<0.94	NA	NA	NA
Bromodichloromethane	0.06	0.6	<0.50	<0.50	<0.50	<0.36	<0.36	<0.36	NA	NA	NA
Carbon tetrachloride	0.5	5	<0.50	<0.50	<0.50	<0.17	<0.17	<0.17	NA	NA	NA
Chlorobenzene	NS	NS	<0.50	<0.50	<0.50	<0.71	<0.71	<0.71	NA	NA	NA
Chloroethane	80	400	<0.37	<0.37	<0.37	<1.3	<1.3	<1.3	NA	NA	NA
Chloroform	0.6	6	<2.5	<2.5	<2.5	<1.3	<1.3	<1.3	NA	NA	NA
Chloromethane	3	30	<0.50	<0.50	<0.50	<2.2	<2.2	<2.2	NA	NA	NA
cis-1,2-Dichloroethene	7	70	2.6	0.91 J	0.73 J	1.1	0.28 J	<0.27	0.30 J	0.31 J	<0.27
cis-1,3-Dichloropropene	0.04	0.4	<0.50	<0.50	<0.50	<3.6	<3.6	<3.6	NA	NA	NA
Dibromochloromethane	6	60	<0.50	<0.50	<0.50	<2.6	<2.6	<2.6	NA	NA	NA
Dichlorodifluoromethane	200	1,000	<0.22	<0.22	<0.22	<0.50	<0.50	<0.50	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	<2.1	<2.1	<2.1	<1.2	<1.2	<1.2	NA	NA	NA
Methylene Chloride	0.5	5	<0.23	<0.23	<0.23	<0.58	<0.58	<0.58	NA	NA	NA
Tetrachloroethene	0.5	5	<0.50	<0.50	<0.50	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
trans-1,2-Dichloroethene	20	100	2.6	<0.26	<0.26	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
trans-1,3-Dichloropropene	0.04	0.4	<0.23	<0.23	<0.23	<4.4	<4.4	<4.4	NA	NA	NA
Trichloroethene	0.5	5	2.2	1.6	1.5	1.2	1.9	1.6	1.8	1.6	1.3
Trichlorofluoromethane	NS	NS	<0.18	<0.18	<0.18	<0.21	<0.21	<0.21	NA	NA	NA
Vinyl chloride	0.02	0.2	**0.49 J**	<0.18	<0.18	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17

Notes: Results are in ug/L.
PAL - Preventative Action Limit
ES - Enforcement Standard
NS - No Standard
* - Sample collected by others

B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Table 1. Groundwater Results for CVOCs - former Navistar/RMG Foundry, Waukesha, WI

Well No.	WDNR NR 140 Standards		MW-32								
Parameter Date	PAL	ES	12/7/2017	3/14/2018	7/12/2018	10/4/2018	12/14/2018	3/28/2019	6/26/2019	9/16/2019	12/12/2019
1,1,1-Trichloroethane	40	200	<0.50	<0.50	<0.50	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
1,1,2,2-Tetrachloroethane	0.02	0.2	<0.25	<0.25	<0.25	<0.28	<0.28	<0.28	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	<0.20	<0.20	<0.20	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55
1,1-Dichloroethane	85	850	<0.24	<0.24	<0.24	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
1,1-Dichloroethene	0.7	7	<0.41	<0.41	<0.41	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
1,2,4-Trichlorobenzene	14	70	<2.2	<2.2	<2.2	<0.95	<0.95	<0.95	NA	NA	NA
1,2-Dichlorobenzene	60	600	<0.50	<0.50	<0.50	<0.71	<0.71	<0.71	NA	NA	NA
1,2-Dichloroethane	0.5	5	<0.17	<0.17	<0.17	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
1,2-Dichloropropane	0.5	5	<0.23	<0.23	<0.23	<0.28	<0.28	<0.28	NA	NA	NA
1,3-Dichlorobenzene	120	600	<0.50	<0.50	<0.50	<0.63	<0.63	<0.63	NA	NA	NA
1,4-Dichlorobenzene	15	75	<0.50	<0.50	<0.50	<0.94	<0.94	<0.94	NA	NA	NA
Bromodichloromethane	0.06	0.6	<0.50	<0.50	<0.50	<0.36	<0.36	<0.36	NA	NA	NA
Carbon tetrachloride	0.5	5	<0.50	<0.50	<0.50	<0.17	<0.17	<0.17	NA	NA	NA
Chlorobenzene	NS	NS	<0.50	<0.50	<0.50	<0.71	<0.71	<0.71	NA	NA	NA
Chloroethane	80	400	<0.37	<0.37	<0.37	<1.3	<1.3	<1.3	NA	NA	NA
Chloroform	0.6	6	<2.5	<2.5	<2.5	<1.3	<1.3	<1.3	NA	NA	NA
Chloromethane	3	30	<0.50	<0.50	<0.50	<2.2	<2.2	<2.2	NA	NA	NA
cis-1,2-Dichloroethene	7	70	3.9	4.1	3.5	5.1	12.4	2.6	2.8	1.6	3.1
cis-1,3-Dichloropropene	0.04	0.4	<0.50	<0.50	<0.50	<3.6	<3.6	<3.6	NA	NA	NA
Dibromochloromethane	6	60	<0.50	<0.50	<0.50	<2.6	<2.6	<2.6	NA	NA	NA
Dichlorodifluoromethane	200	1,000	<0.22	<0.22	<0.22	<0.50	<0.50	<0.50	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	<2.1	<2.1	<2.1	<1.2	<1.2	<1.2	NA	NA	NA
Methylene Chloride	0.5	5	<0.23	<0.23	<0.23	<0.58	<0.58	<0.58	NA	NA	NA
Tetrachloroethene	0.5	5	<0.50	<0.50	<0.50	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
trans-1,2-Dichloroethene	20	100	<0.26	<0.26	<0.26	<1.1	2.0 J	<1.1	<1.1	<1.1	<1.1
trans-1,3-Dichloropropene	0.04	0.4	<0.23	<0.23	<0.23	<4.4	<4.4	<4.4	NA	NA	NA
Trichloroethene	0.5	5	<0.33	<0.33	<0.33	<0.26	0.68 J	0.50 J	0.53 J	0.41 J	0.32J
Trichlorofluoromethane	NS	NS	<0.18	<0.18	<0.18	<0.21	<0.21	<0.21	NA	NA	NA
Vinyl chloride	0.02	0.2	**0.22 J**	**0.22 J**	**0.27 J**	<0.17	**0.64 J**	**0.23 J**	<0.17	<0.17	**0.54J**

Notes: Results are in ug/L.
PAL - Preventative Action Limit
ES - Enforcement Standard
NS - No Standard
* - Sample collected by others

B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Well No.	WDNR NR 140 Standards		MW-33							
Parameter Date	PAL	ES	11/28/2017	3/14/2018	7/12/2018	10/4/2018	3/28/2019	7/1/2019	9/16/2019	12/12/2019
1,1,1-Trichloroethane	40	200	<0.50	<0.50	<0.50	<0.24	<0.24	<0.24	<0.24	<0.24
1,1,2,2-Tetrachloroethane	0.02	0.2	<0.25	<0.25	<0.25	<0.28	<0.28	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	<0.20	<0.20	<0.20	<0.55	<0.55	<0.55	<0.55	<0.55
1,1-Dichloroethane	85	850	<0.24	<0.24	<0.24	<0.27	<0.27	<0.27	<0.27	<0.27
1,1-Dichloroethene	0.7	7	<0.41	<0.41	<0.41	<0.24	<0.24	<0.24	<0.24	<0.24
1,2,4-Trichlorobenzene	14	70	<2.2	<2.2	<2.2	<0.95	<0.95	NA	NA	NA
1,2-Dichlorobenzene	60	600	<0.50	<0.50	<0.50	<0.71	<0.71	NA	NA	NA
1,2-Dichloroethane	0.5	5	<0.17	<0.17	<0.17	<0.28	<0.28	<0.28	<0.28	<0.28
1,2-Dichloropropane	0.5	5	<0.23	<0.23	<0.23	<0.28	<0.28	NA	NA	NA
1,3-Dichlorobenzene	120	600	<0.50	<0.50	<0.50	<0.63	<0.63	NA	NA	NA
1,4-Dichlorobenzene	15	75	<0.50	<0.50	<0.50	<0.94	<0.94	NA	NA	NA
Bromodichloromethane	0.06	0.6	<0.50	<0.50	<0.50	<0.36	<0.36	NA	NA	NA
Carbon tetrachloride	0.5	5	<0.50	<0.50	<0.50	<0.17	<0.17	NA	NA	NA
Chlorobenzene	NS	NS	<0.50	<0.50	<0.50	<0.71	<0.71	NA	NA	NA
Chloroethane	80	400	<0.37	<0.37	<0.37	<1.3	<1.3	NA	NA	NA
Chloroform	0.6	6	<2.5	<2.5	<2.5	<1.3	<1.3	NA	NA	NA
Chloromethane	3	30	<0.50	<0.50	<0.50	<2.2	<2.2	NA	NA	NA
cis-1,2-Dichloroethene	7	70	2.7	2.2	4.5	11.2	7.5	6.6	5.1	4.6
cis-1,3-Dichloropropene	0.04	0.4	<0.50	<0.50	<0.50	<3.6	<3.6	NA	NA	NA
Dibromochloromethane	6	60	<0.50	<0.50	<0.50	<2.6	<2.6	NA	NA	NA
Dichlorodifluoromethane	200	1,000	<0.22	<0.22	<0.22	<0.50	<0.50	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	<2.1	<2.1	<2.1	<1.2	<1.2	NA	NA	NA
Methylene Chloride	0.5	5	<0.23	<0.23	<0.23	<0.58	<0.58	NA	NA	NA
Tetrachloroethene	0.5	5	<0.50	<0.50	<0.50	<0.33	<0.33	<0.33	<0.33	<0.33
trans-1,2-Dichloroethene	20	100	<0.26	<0.26	<0.26	<1.1	5.1	4.3	7.3	8.3
trans-1,3-Dichloropropene	0.04	0.4	<0.23	<0.23	<0.23	<4.4	<4.4	NA	NA	NA
Trichloroethene	0.5	5	**8.6**	**10.3**	**13.6**	2.6	0.32 J	0.55 J	<0.26	1.5
Trichlorofluoromethane	NS	NS	<0.18	<0.18	<0.18	<0.21	<0.21	NA	NA	NA
Vinyl chloride	0.02	0.2	<0.18	<0.18	**0.37 J**	**0.34 J**	**0.80 J**	**1.2**	**0.63J**	0.36J

Notes: Results are in ug/L.
PAL - Preventative Action Limit
ES - Enforcement Standard
NS - No Standard
* - Sample collected by others

B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Table 1. Groundwater Results for CVOCs - former Navistar/RMG Foundry, Waukesha, WI

Well No.	WDNR NR 140 Standards		MW-34								
Parameter Date	PAL	ES	12/7/2017	3/14/2018	7/12/2018	10/3/2018	12/12/2018	3/27/2019	6/25/2019	9/13/2019	12/12/2019
1,1,1-Trichloroethane	40	200	<0.50	<0.50	<0.50	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
1,1,2,2-Tetrachloroethane	0.02	0.2	<0.25	<0.25	<0.25	<0.28	<0.28	<0.28	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	<0.20	<0.20	<0.20	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55
1,1-Dichloroethane	85	850	<0.24	<0.24	<0.24	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
1,1-Dichloroethene	0.7	7	<0.41	<0.41	<0.41	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
1,2,4-Trichlorobenzene	14	70	<2.2	<2.2	<2.2	<0.95	<0.95	<0.95	NA	NA	NA
1,2-Dichlorobenzene	60	600	<0.50	<0.50	<0.50	<0.71	<0.71	<0.71	NA	NA	NA
1,2-Dichloroethane	0.5	5	<0.17	<0.17	<0.17	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
1,2-Dichloropropane	0.5	5	<0.23	<0.23	<0.23	<0.28	<0.28	<0.28	NA	NA	NA
1,3-Dichlorobenzene	120	600	<0.50	<0.50	<0.50	<0.63	<0.63	<0.63	NA	NA	NA
1,4-Dichlorobenzene	15	75	<0.50	<0.50	<0.50	<0.94	<0.94	<0.94	NA	NA	NA
Bromodichloromethane	0.06	0.6	<0.50	<0.50	<0.50	<0.36	<0.36	<0.36	NA	NA	NA
Carbon tetrachloride	0.5	5	<0.50	<0.50	<0.50	<0.17	<0.17	<0.17	NA	NA	NA
Chlorobenzene	NS	NS	<0.50	<0.50	<0.50	<0.71	<0.71	<0.71	NA	NA	NA
Chloroethane	80	400	<0.37	<0.37	<0.37	<1.3	<1.3	<1.3	NA	NA	NA
Chloroform	0.6	6	<2.5	<2.5	<2.5	<1.3	<1.3	<1.3	NA	NA	NA
Chloromethane	3	30	<0.50	<0.50	<0.50	<2.2	<2.2	<2.2	NA	NA	NA
cis-1,2-Dichloroethene	7	70	<0.26	<0.26	<0.26	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
cis-1,3-Dichloropropene	0.04	0.4	<0.50	<0.50	<0.50	<3.6	<3.6	<3.6	NA	NA	NA
Dibromochloromethane	6	60	<0.50	<0.50	<0.50	<2.6	<2.6	<2.6	NA	NA	NA
Dichlorodifluoromethane	200	1,000	<0.22	<0.22	<0.22	<0.50	<0.50	<0.50	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	<2.1	<2.1	<2.1	<1.2	<1.2	<1.2	NA	NA	NA
Methylene Chloride	0.5	5	<0.23	<0.23	<0.23	<0.58	<0.58	<0.58	NA	NA	NA
Tetrachloroethene	0.5	5	<0.50	<0.50	<0.50	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
trans-1,2-Dichloroethene	20	100	<0.26	<0.26	<0.26	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
trans-1,3-Dichloropropene	0.04	0.4	<0.23	<0.23	<0.23	<4.4	<4.4	<4.4	NA	NA	NA
Trichloroethene	0.5	5	<0.33	<0.33	<0.33	<0.26	<0.26	0.68 J	<0.26	<0.26	<0.26
Trichlorofluoromethane	NS	NS	<0.18	<0.18	<0.18	<0.21	<0.21	<0.21	NA	NA	NA
Vinyl chloride	0.02	0.2	<0.18	<0.18	<0.18	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17

Notes: Results are in ug/L.
PAL - Preventative Action Limit
ES - Enforcement Standard
NS - No Standard
* - Sample collected by others

B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Well No.	WDNR NR 140 Standards		MW-35								
Parameter Date	PAL	ES	11/28/2017	3/13/2018	7/10/2018	9/27/2018	12/10/2018	3/25/2019	6/18/2019	9/9/2019	12/10/2019
1,1,1-Trichloroethane	40	200	42.3	38.5	53.8	32.2	18.3	36.4	30.3	47.9	56.1
1,1,2,2-Tetrachloroethane	0.02	0.2	<1.2	<1.2	<0.62	<0.69	<0.69	<0.69	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	<0.99	<0.99	<0.49	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
1,1-Dichloroethane	85	850	21.9	17.2	20.9	14.1	8.7	12.9	14.4	15.2	18.4
1,1-Dichloroethene	0.7	7	**8.0**	6.3	6.4	4.4	2.9	6.0	5.5	6.4	5.8
1,2,4-Trichlorobenzene	14	70	<11.0	<11.0	<5.5	<2.4	<2.4	<2.4	NA	NA	NA
1,2-Dichlorobenzene	60	600	<2.5	<2.5	<1.2	<1.8	<1.8	<1.8	NA	NA	NA
1,2-Dichloroethane	0.5	5	<0.84	<0.84	<0.42	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70
1,2-Dichloropropane	0.5	5	<1.2	<1.2	<0.58	<0.71	<0.71	<0.71	NA	NA	NA
1,3-Dichlorobenzene	120	600	<2.5	<2.5	<1.2	<1.6	<1.6	<1.6	NA	NA	NA
1,4-Dichlorobenzene	15	75	<2.5	<2.5	<1.2	<2.4	<2.4	<2.4	NA	NA	NA
Bromodichloromethane	0.06	0.6	<2.5	<2.5	<1.2	<0.91	<0.91	<0.91	NA	NA	NA
Carbon tetrachloride	0.5	5	<2.5	<2.5	<1.2	<0.41	<0.41	<0.41	NA	NA	NA
Chlorobenzene	NS	NS	<2.5	<2.5	<1.2	<1.8	<1.8	<1.8	NA	NA	NA
Chloroethane	80	400	<1.9	<1.9	<0.94	<3.4	<3.4	<3.4	NA	NA	NA
Chloroform	0.6	6	<12.5	<12.5	<6.2	<3.2	<3.2	<3.2	NA	NA	NA
Chloromethane	3	30	<2.5	<2.5	<1.2	<5.5	<5.5	<5.5	NA	NA	NA
cis-1,2-Dichloroethene	7	70	9.8	8.2	8.0	9.2	8.8	10.3	12.2	11.6	8.5
cis-1,3-Dichloropropene	0.04	0.4	<2.5	<2.5	<1.2	<9.1	<9.1	<9.1	NA	NA	NA
Dibromochloromethane	6	60	<2.5	<2.5	<1.2	<6.5	<6.5	<6.5	NA	NA	NA
Dichlorodifluoromethane	200	1,000	<1.1	<1.1	<0.56	<1.2	<1.2	<1.2	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	<10.5	<10.5	<5.3	<3.0	<3.0	<3.0	NA	NA	NA
Methylene Chloride	0.5	5	<1.2	<1.2	<0.58	<1.5	<1.5	<1.5	NA	NA	NA
Tetrachloroethene	0.5	5	<2.5	<2.5	<1.2	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82
trans-1,2-Dichloroethene	20	100	<1.3	<1.3	<0.64	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7
trans-1,3-Dichloropropene	0.04	0.4	<1.1	<1.1	<0.57	<10.9	<10.9	<10.9	NA	NA	NA
Trichloroethene	0.5	5	**405**	**307**	**340**	**275**	**222**	**277**	**311**	**372**	**409**
Trichlorofluoromethane	NS	NS	< 0.92	<0.92	<0.46	<0.54	<0.54	<0.54	NA	NA	NA
Vinyl chloride	0.02	0.2	< 0.88	<0.88	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44

Notes: Results are in ug/L.
PAL - Preventative Action Limit
ES - Enforcement Standard
NS - No Standard
* - Sample collected by others

B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Table 1. Groundwater Results for CVOCs - former Navistar/RMG Foundry, Waukesha, WI

Well No.	WDNR NR 140 Standards		MW-36								
Parameter Date	PAL	ES	11/27/2017	3/13/2018	7/9/2018	10/2/2018	12/12/2018	3/26/2019	6/20/2019	9/9/2019	12/9/2019
1,1,1-Trichloroethane	40	200	45.1	20.3	2.6	5.9	2.0	0.55 J	<0.24	8.8	54
1,1,2,2-Tetrachloroethane	0.02	0.2	<1.2	<0.25	<0.25	<0.28	<0.28	<0.28	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	<0.99	<0.20	<0.20	<0.55	<0.55	<0.55	<0.55	<1.1	<1.1
1,1-Dichloroethane	85	850	21.3	8.3	1.2	2.1	1.1	0.35 J	<0.27	3.1	16.4
1,1-Dichloroethene	0.7	7	**9.0**	4.6	0.58 J	1.0	0.27 J	<0.24	<0.24	1.3J	**8.2**
1,2,4-Trichlorobenzene	14	70	<11.0	<2.2	<2.2	<0.95	<0.95	<0.95	NA	NA	NA
1,2-Dichlorobenzene	60	600	<2.5	<0.50	<0.50	<0.71	<0.71	<0.71	NA	NA	NA
1,2-Dichloroethane	0.5	5	<0.84	<0.17	<0.17	<0.28	<0.28	<0.28	<0.28	<0.56	<0.56
1,2-Dichloropropane	0.5	5	<1.2	<0.23	<0.23	<0.28	<0.28	<0.28	NA	NA	NA
1,3-Dichlorobenzene	120	600	<2.5	<0.50	<0.50	<0.63	<0.63	<0.63	NA	NA	NA
1,4-Dichlorobenzene	15	75	<2.5	<0.50	<0.50	<0.94	<0.94	<0.94	NA	NA	NA
Bromodichloromethane	0.06	0.6	<2.5	<0.50	<0.50	<0.36	<0.36	<0.36	NA	NA	NA
Carbon tetrachloride	0.5	5	<2.5	<0.50	<0.50	<0.17	<0.17	<0.17	NA	NA	NA
Chlorobenzene	NS	NS	<2.5	<0.50	<0.50	<0.71	<0.71	<0.71	NA	NA	NA
Chloroethane	80	400	<1.9	<0.37	<0.37	<1.3	<1.3	<1.3	NA	NA	NA
Chloroform	0.6	6	<12.5	<2.5	<2.5	<1.3	<1.3	<1.3	NA	NA	NA
Chloromethane	3	30	<2.5	<0.50	<0.50	<2.2	<2.2	<2.2	NA	NA	NA
cis-1,2-Dichloroethene	7	70	9.8	4.9	0.67 J	1.1	5.1	2.0	0.49 J	3	8.9
cis-1,3-Dichloropropene	0.04	0.4	<2.5	<0.50	<0.50	<3.6	<3.6	<3.6	NA	NA	NA
Dibromochloromethane	6	60	<2.5	<0.50	<0.50	<2.6	<2.6	<2.6	NA	NA	NA
Dichlorodifluoromethane	200	1,000	<1.1	<0.22	<0.22	<0.50	<0.50	<0.50	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	<10.5	<2.1	<2.1	<1.2	<1.2	<1.2	NA	NA	NA
Methylene Chloride	0.5	5	<1.2	<0.23	<0.23	<0.58	<0.58	<0.58	NA	NA	NA
Tetrachloroethene	0.5	5	<2.5	<0.50	<0.50	<0.33	<0.33	<0.33	<0.33	<0.65	0.71J
trans-1,2-Dichloroethene	20	100	<1.3	0.61J	<0.26	<1.1	3.1 J	<1.1	<1.1	<2.2	<2.2
trans-1,3-Dichloropropene	0.04	0.4	<1.1	<0.23	<0.23	<4.4	<4.4	<4.4	NA	NA	NA
Trichloroethene	0.5	5	**510**	**202**	**26.5**	**49.6**	**27**	**6.5**	**5.8**	**96.9**	**442**
Trichlorofluoromethane	NS	NS	<0.92	<0.18	<0.18	<0.21	<0.21	<0.21	NA	NA	NA
Vinyl chloride	0.02	0.2	<0.88	<0.18	<0.18	<0.17	<0.17	<0.17	<0.17	<0.35	<0.35

Notes: Results are in ug/L.
PAL - Preventative Action Limit
ES - Enforcement Standard
NS - No Standard
* - Sample collected by others

B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Well No.	WDNR NR 140 Standards		MW-37								
Parameter Date	PAL	ES	11/27/2017	3/13/2018	7/9/2018	10/2/2018	12/12/2018	12/12/2018	6/20/2019	9/9/2019	12/9/2019
1,1,1-Trichloroethane	40	200	<0.18	27.8	21.4	19.6	21.3	20.8	22.1	26.1	25.1
1,1,2,2-Tetrachloroethane	0.02	0.2	<0.25	<0.50	<0.50	<0.55	<0.55	<0.55	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	<0.20	<0.39	<0.39	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
1,1-Dichloroethane	85	850	13.5	11.7	9.3	7.6	7.4	7.7	8.4	9.1	9
1,1-Dichloroethene	0.7	7	2.9	2.6	1.9 J	0.88 J	2.8	2.0J	1.8 J	1.9J	2.2
1,2,4-Trichlorobenzene	14	70	<2.2	<4.4	<4.4	<1.9	<1.9	<1.9	NA	NA	NA
1,2-Dichlorobenzene	60	600	<0.50	<1.0	<1.0	<1.4	<1.4	<1.4	NA	NA	NA
1,2-Dichloroethane	0.5	5	<0.17	<0.34	<0.34	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56
1,2-Dichloropropane	0.5	5	<0.23	<0.47	<0.47	<0.57	<0.57	<0.57	NA	NA	NA
1,3-Dichlorobenzene	120	600	<0.50	<1.0	<1.0	<1.3	<1.3	<1.3	NA	NA	NA
1,4-Dichlorobenzene	15	75	<0.50	<1.0	<1.0	<1.9	<1.9	<1.9	NA	NA	NA
Bromodichloromethane	0.06	0.6	<0.50	<1.0	<1.0	<0.73	<0.73	<0.73	NA	NA	NA
Carbon tetrachloride	0.5	5	<0.50	<1.0	<1.0	<0.33	<0.33	<0.33	NA	NA	NA
Chlorobenzene	NS	NS	<0.50	<1.0	<1.0	<1.4	<1.4	<1.4	NA	NA	NA
Chloroethane	80	400	<0.37	<0.75	<0.75	<2.7	<2.7	<2.7	NA	NA	NA
Chloroform	0.6	6	<2.5	<5.0	<5.0	<2.5	<2.5	<2.5	NA	NA	NA
Chloromethane	3	30	<0.50	<1.0	<1.0	<4.4	<4.4	<4.4	NA	NA	NA
cis-1,2-Dichloroethene	7	70	4.2	4.6	3.8	3.3	6.0	3.0	3.6	4.4	3.5
cis-1,3-Dichloropropene	0.04	0.4	<0.50	<1.0	<1.0	<7.3	<7.3	<7.3	NA	NA	NA
Dibromochloromethane	6	60	<0.50	<1.0	<1.0	<5.2	<5.2	<5.2	NA	NA	NA
Dichlorodifluoromethane	200	1,000	<0.22	<0.45	<0.45	<1.0	<1.0	<1.0	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	<2.1	<4.2	<4.2	<2.4	<2.4	<2.4	NA	NA	NA
Methylene Chloride	0.5	5	<0.23	<0.47	<0.47	<1.2	<1.2	<1.2	NA	NA	NA
Tetrachloroethene	0.5	5	<0.50	<1.0	<1.0	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65
trans-1,2-Dichloroethene	20	100	0.88 J	1.1J	0.69J	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
trans-1,3-Dichloropropene	0.04	0.4	<0.23	<0.46	<0.46	<8.7	<8.7	<8.7	NA	NA	NA
Trichloroethene	0.5	5	**205**	**191**	**145**	**133**	**176**	**145**	**142**	**183**	**165**
Trichlorofluoromethane	NS	NS	<0.18	<0.37	<0.37	<0.43	<0.43	<0.43	NA	NA	NA
Vinyl chloride	0.02	0.2	<0.18	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35

Notes: Results are in ug/L.
PAL - Preventative Action Limit
ES - Enforcement Standard
NS - No Standard
* - Sample collected by others

B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Table 1. Groundwater Results for CVOCs - former Navistar/RMG Foundry, Waukesha, WI

Well No.	WDNR NR 140 Standards		MW-38						
Parameter Date	PAL	ES	7/9/2018	10/2/2018	12/12/2018	3/26/2019	6/20/2019	9/8/2019	12/9/2019
1,1,1-Trichloroethane	40	200	6.6	1.2	9.0	2.6	<0.24	0.46J	6.7
1,1,2,2-Tetrachloroethane	0.02	0.2	<0.25	<0.28	<0.28	<0.28	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	<0.20	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55
1,1-Dichloroethane	85	850	3.5	2.3	4.5	2.6	<0.27	<0.27	2.8
1,1-Dichloroethene	0.7	7	1.1	0.42 J	1.4	0.79 J	<0.24	<0.24	0.74J
1,2,4-Trichlorobenzene	14	70	<2.2	<0.95	<0.95	<0.95	NA	NA	NA
1,2-Dichlorobenzene	60	600	<0.50	<0.71	<0.71	<0.71	NA	NA	NA
1,2-Dichloroethane	0.5	5	<0.17	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
1,2-Dichloropropane	0.5	5	<0.23	<0.28	<0.28	<0.28	NA	NA	NA
1,3-Dichlorobenzene	120	600	<0.50	<0.63	<0.63	<0.63	NA	NA	NA
1,4-Dichlorobenzene	15	75	<0.50	<0.94	<0.94	<0.94	NA	NA	NA
Bromodichloromethane	0.06	0.6	<0.50	<0.36	<0.36	<0.36	NA	NA	NA
Carbon tetrachloride	0.5	5	<0.50	<0.17	<0.17	<0.17	NA	NA	NA
Chlorobenzene	NS	NS	<0.50	<0.71	<0.71	<0.71	NA	NA	NA
Chloroethane	80	400	<0.37	<1.3	<1.3	<1.3	NA	NA	NA
Chloroform	0.6	6	<2.5	<1.3	<1.3	<1.3	NA	NA	NA
Chloromethane	3	30	<0.50	<2.2	<2.2	<2.2	NA	NA	NA
cis-1,2-Dichloroethene	7	70	6.7	22.5	9.9	12.6	<0.27	0.54J	4.1
cis-1,3-Dichloropropene	0.04	0.4	<0.50	<3.6	<3.6	<3.6	NA	NA	NA
Dibromochloromethane	6	60	<0.50	<2.6	<2.6	<2.6	NA	NA	NA
Dichlorodifluoromethane	200	1,000	<0.22	<0.50	<0.50	<0.50	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	<2.1	<1.2	<1.2	<1.2	NA	NA	NA
Methylene Chloride	0.5	5	<0.23	<0.58	<0.58	<0.58	NA	NA	NA
Tetrachloroethene	0.5	5	<0.50	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
trans-1,2-Dichloroethene	20	100	0.51J	<1.1	1.6J	<1.1	<1.1	<1.1	1.5J
trans-1,3-Dichloropropene	0.04	0.4	<0.23	<4.4	<4.4	<4.4	NA	NA	NA
Trichloroethene	0.5	5	**65**	**15.5**	**143**	**36.5**	<0.26	**5.8**	**80.2**
Trichlorofluoromethane	NS	NS	<0.18	<0.21	<0.21	<0.21	NA	NA	NA
Vinyl chloride	0.02	0.2	**2.0**	**6.9**	**0.61 J**	**4.6**	<0.17	<0.17	<0.17

Notes: Results are in ug/L.
PAL - Preventative Action Limit
ES - Enforcement Standard
NS - No Standard
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B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Well No.	WDNR NR 140 Standards		MW-39						
Parameter Date	PAL	ES	7/10/2018	10/2/2018	12/11/2018	3/27/2019	6/20/2019	9/10/2019	12/10/2019
1,1,1-Trichloroethane	40	200	<0.50	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
1,1,2,2-Tetrachloroethane	0.02	0.2	<0.25	<0.28	<0.28	<0.28	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	<0.20	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55
1,1-Dichloroethane	85	850	<0.24	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
1,1-Dichloroethene	0.7	7	<0.41	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
1,2,4-Trichlorobenzene	14	70	<2.2	<0.95	<0.95	<0.95	NA	NA	NA
1,2-Dichlorobenzene	60	600	<0.50	<0.71	<0.71	<0.71	NA	NA	NA
1,2-Dichloroethane	0.5	5	<0.17	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
1,2-Dichloropropane	0.5	5	<0.23	<0.28	<0.28	<0.28	NA	NA	NA
1,3-Dichlorobenzene	120	600	<0.50	<0.63	<0.63	<0.63	NA	NA	NA
1,4-Dichlorobenzene	15	75	<0.50	<0.94	<0.94	<0.94	NA	NA	NA
Bromodichloromethane	0.06	0.6	<0.50	<0.36	<0.36	<0.36	NA	NA	NA
Carbon tetrachloride	0.5	5	<0.50	<0.17	<0.17	<0.17	NA	NA	NA
Chlorobenzene	NS	NS	<0.50	<0.71	<0.71	<0.71	NA	NA	NA
Chloroethane	80	400	<0.37	<1.3	<1.3	<1.3	NA	NA	NA
Chloroform	0.6	6	<2.5	<1.3	<1.3	<1.3	NA	NA	NA
Chloromethane	3	30	<0.50	<2.2	<2.2	<2.2	NA	NA	NA
cis-1,2-Dichloroethene	7	70	0.28 J	0.37 J	<0.27	<0.27	<0.27	0.29J	<0.27
cis-1,3-Dichloropropene	0.04	0.4	<0.50	<3.6	<3.6	<3.6	NA	NA	NA
Dibromochloromethane	6	60	<0.50	<2.6	<2.6	<2.6	NA	NA	NA
Dichlorodifluoromethane	200	1,000	<0.22	<0.50	<0.50	<0.50	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	<2.1	<1.2	<1.2	<1.2	NA	NA	NA
Methylene Chloride	0.5	5	<0.23	<0.58	1.5 J	<0.58	NA	NA	NA
Tetrachloroethene	0.5	5	<0.50	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
trans-1,2-Dichloroethene	20	100	<0.26	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
trans-1,3-Dichloropropene	0.04	0.4	<0.23	<4.4	<4.4	<4.4	NA	NA	NA
Trichloroethene	0.5	5	2.2	2.9	2.3	3.6	2.3	3.9	1.7
Trichlorofluoromethane	NS	NS	<0.18	<0.21	<0.21	<0.21	NA	NA	NA
Vinyl chloride	0.02	0.2	<0.18	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17

Notes: Results are in ug/L.
PAL - Preventative Action Limit
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NS - No Standard
* - Sample collected by others

B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Table 1. Groundwater Results for CVOCs - former Navistar/RMG Foundry, Waukesha, WI

Well No.	WDNR NR 140 Standards		MW-40						
Parameter Date	PAL	ES	7/10/2018	9/28/2018	12/11/2018	3/25/2019	6/18/2019	9/9/2019	12/10/2019
1,1,1-Trichloroethane	40	200	23.5	26.7	26.8	29	26.6	26.6	29.6
1,1,2,2-Tetrachloroethane	0.02	0.2	<0.62	<0.55	<0.55	<0.55	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	<0.49	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
1,1-Dichloroethane	85	850	9.6	9.1	7.5	9.4	8.7	8.7	9.1
1,1-Dichloroethene	0.7	7	3.5	3.0	2.9	4.9	3.9	3.9	3.1
1,2,4-Trichlorobenzene	14	70	<5.5	<1.9	<1.9	<1.9	NA	NA	NA
1,2-Dichlorobenzene	60	600	<1.2	<1.4	<1.4	<1.4	NA	NA	NA
1,2-Dichloroethane	0.5	5	<0.42	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56
1,2-Dichloropropane	0.5	5	<0.58	<0.57	<0.57	<0.57	NA	NA	NA
1,3-Dichlorobenzene	120	600	<1.2	<1.3	<1.3	<1.3	NA	NA	NA
1,4-Dichlorobenzene	15	75	<1.2	<1.9	<1.9	<1.9	NA	NA	NA
Bromodichloromethane	0.06	0.6	<1.2	<0.73	<0.73	<0.73	NA	NA	NA
Carbon tetrachloride	0.5	5	<1.2	<0.33	<0.33	<0.33	NA	NA	NA
Chlorobenzene	NS	NS	<1.2	<1.4	<1.4	<1.4	NA	NA	NA
Chloroethane	80	400	<0.94	<2.7	<2.7	<2.7	NA	NA	NA
Chloroform	0.6	6	<6.2	<2.5	<2.5	<2.5	NA	NA	NA
Chloromethane	3	30	<1.2	<4.4	<4.4	<4.4	NA	NA	NA
cis-1,2-Dichloroethene	7	70	6.8	6.8	5.7	6.1	6.5	6.5	6.5
cis-1,3-Dichloropropene	0.04	0.4	<1.2	<7.3	<7.3	<7.3	NA	NA	NA
Dibromochloromethane	6	60	<1.2	<5.2	<5.2	<5.2	NA	NA	NA
Dichlorodifluoromethane	200	1,000	<0.56	<1.0	<1.0	<1.0	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	<5.3	<2.4	<2.4	<2.4	NA	NA	NA
Methylene Chloride	0.5	5	<0.58	<1.2	<1.2	<1.2	NA	NA	NA
Tetrachloroethene	0.5	5	<1.2	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65
trans-1,2-Dichloroethene	20	100	<0.64	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
trans-1,3-Dichloropropene	0.04	0.4	<0.57	<8.7	<8.7	<8.7	NA	NA	NA
Trichloroethene	0.5	5	**172**	**169**	**189**	**187**	**170**	**170**	**192**
Trichlorofluoromethane	NS	NS	<0.46	<0.43	<0.43	<0.43	NA	NA	NA
Vinyl chloride	0.02	0.2	<0.44	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35

Notes: Results are in ug/L.
PAL - Preventative Action Limit
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* - Sample collected by others

B - Analyte detected in Method or Trip Blank
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NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Well No.	WDNR NR 140 Standards		MW-41						
Parameter Date	PAL	ES	7/10/2018	9/27/2018	12/11/2018	3/25/2019	6/18/2019	9/9/2019	12/10/2019
1,1,1-Trichloroethane	40	200	8.9	22.7	25.6	25.1	39.9	48.2	38.5
1,1,2,2-Tetrachloroethane	0.02	0.2	<0.25	<0.28	<0.28	<0.28	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	<0.20	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55
1,1-Dichloroethane	85	850	10.2	12.7	11.9	10	15.8	15.2	12.4
1,1-Dichloroethene	0.7	7	1.6	1.8	2.3	3.0	5.6	5.4	4.1
1,2,4-Trichlorobenzene	14	70	<2.2	<0.95	<0.95	<0.95	NA	NA	NA
1,2-Dichlorobenzene	60	600	<0.50	<0.71	<0.71	<0.71	NA	NA	NA
1,2-Dichloroethane	0.5	5	<0.17	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
1,2-Dichloropropane	0.5	5	<0.23	<0.28	<0.28	<0.28	NA	NA	NA
1,3-Dichlorobenzene	120	600	<0.50	<0.63	<0.63	<0.63	NA	NA	NA
1,4-Dichlorobenzene	15	75	<0.50	<0.94	<0.94	<0.94	NA	NA	NA
Bromodichloromethane	0.06	0.6	<0.50	<0.36	<0.36	<0.36	NA	NA	NA
Carbon tetrachloride	0.5	5	<0.50	<0.17	<0.17	<0.17	NA	NA	NA
Chlorobenzene	NS	NS	<0.50	<0.71	<0.71	<0.71	NA	NA	NA
Chloroethane	80	400	<0.37	<1.3	<1.3	<1.3	NA	NA	NA
Chloroform	0.6	6	<2.5	<1.3	<1.3	<1.3	NA	NA	NA
Chloromethane	3	30	0.88 J	<2.2	<2.2	<2.2	NA	NA	NA
cis-1,2-Dichloroethene	7	70	1.1	14.6	12.3	8.0	16.3	18.7	8.6
cis-1,3-Dichloropropene	0.04	0.4	<0.50	<3.6	<3.6	<3.6	NA	NA	NA
Dibromochloromethane	6	60	<0.50	<2.6	<2.6	<2.6	NA	NA	NA
Dichlorodifluoromethane	200	1,000	<0.22	<0.50	<0.50	<0.50	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	<2.1	<1.2	<1.2	<1.2	NA	NA	NA
Methylene Chloride	0.5	5	<0.23	<0.58	<0.58	<0.58	NA	NA	NA
Tetrachloroethene	0.5	5	<0.50	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
trans-1,2-Dichloroethene	20	100	<0.26	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
trans-1,3-Dichloropropene	0.04	0.4	<0.23	<4.4	<4.4	<4.4	NA	NA	NA
Trichloroethene	0.5	5	**78.9**	**119**	**152**	**144**	**241**	**250**	**235**
Trichlorofluoromethane	NS	NS	<0.18	<0.21	<0.21	<0.21	NA	NA	NA
Vinyl chloride	0.02	0.2	<0.18	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17

Notes: Results are in ug/L.
PAL - Preventative Action Limit
ES - Enforcement Standard
NS - No Standard
* - Sample collected by others

B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Table 1. Groundwater Results for CVOCs - former Navistar/RMG Foundry, Waukesha, WI

Well No.	WDNR NR 140 Standards		MW-42						
Parameter Date	PAL	ES	7/10/2018	9/28/2018	12/11/2018	3/25/2019	6/24/2019	9/11/2019	12/10/2019
1,1,1-Trichloroethane	40	200	24.2	46	35.1	30.2	17.8	46.3	60.8
1,1,2,2-Tetrachloroethane	0.02	0.2	<0.62	<0.55	<0.55	<0.55	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	<0.49	<1.1	<1.1	<1.1	<0.55	<0.55	<0.55
1,1-Dichloroethane	85	850	7.9	13.8	10.1	8.6	4.3	9.9	17.3
1,1-Dichloroethene	0.7	7	2.5	4.4	3.9	4.3	1.8	4.1	**7.4**
1,2,4-Trichlorobenzene	14	70	<5.5	<1.9	<1.9	<1.9	NA	NA	NA
1,2-Dichlorobenzene	60	600	<1.2	<1.4	<1.4	<1.4	NA	NA	NA
1,2-Dichloroethane	0.5	5	<0.42	<0.56	<0.56	<0.56	<0.28	<0.28	<0.28
1,2-Dichloropropane	0.5	5	<0.58	<0.57	<0.57	<0.57	NA	NA	NA
1,3-Dichlorobenzene	120	600	<1.2	<1.3	<1.3	<1.3	NA	NA	NA
1,4-Dichlorobenzene	15	75	<1.2	<1.9	<1.9	<1.9	NA	NA	NA
Bromodichloromethane	0.06	0.6	<1.2	<0.73	<0.73	<0.73	NA	NA	NA
Carbon tetrachloride	0.5	5	<1.2	<0.33	<0.33	<0.33	NA	NA	NA
Chlorobenzene	NS	NS	<1.2	<1.4	<1.4	<1.4	NA	NA	NA
Chloroethane	80	400	<0.94	<2.7	<2.7	<2.7	NA	NA	NA
Chloroform	0.6	6	<6.2	<2.5	<2.5	<2.5	NA	NA	NA
Chloromethane	3	30	<1.2	<4.4	<4.4	<4.4	NA	NA	NA
cis-1,2-Dichloroethene	7	70	2.6	4.2	3.4	3.3	2.3	3.6	4.1
cis-1,3-Dichloropropene	0.04	0.4	<1.2	<7.3	<7.3	<7.3	NA	NA	NA
Dibromochloromethane	6	60	<1.2	<5.2	<5.2	<5.2	NA	NA	NA
Dichlorodifluoromethane	200	1,000	<0.56	<1.0	<1.0	<1.0	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	<5.3	<2.4	<2.4	<2.4	NA	NA	NA
Methylene Chloride	0.5	5	<0.58	<1.2	<1.2	<1.2	NA	NA	NA
Tetrachloroethene	0.5	5	<1.2	<0.65	<0.65	<0.65	<0.33	<0.33	<0.33
trans-1,2-Dichloroethene	20	100	<0.64	<2.2	<2.2	<2.2	<1.1	<1.1	<1.1
trans-1,3-Dichloropropene	0.04	0.4	<0.57	<8.7	<8.7	<8.7	NA	NA	NA
Trichloroethene	0.5	5	**161**	**261**	**246**	**188**	**124**	**264**	**272**
Trichlorofluoromethane	NS	NS	<0.46	<0.43	<0.43	<0.43	NA	NA	NA
Vinyl chloride	0.02	0.2	<0.44	<0.35	<0.35	**0.38 J**	**0.38 J**	**0.27J**	**0.44J**

Notes: Results are in ug/L.
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NS - No Standard
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B - Analyte detected in Method or Trip Blank
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NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Well No.	WDNR NR 140 Standards		MW-43						
Parameter Date	PAL	ES	7/12/2018	10/3/2018	12/13/2018	3/27/2019	6/25/2019	9/13/2019	12/12/2019
1,1,1-Trichloroethane	40	200	<0.50	<0.24	<0.24	<0.24	<0.24	0.29 J	0.38J
1,1,2,2-Tetrachloroethane	0.02	0.2	<0.25	<0.28	<0.28	<0.28	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	<0.20	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55
1,1-Dichloroethane	85	850	0.59 J	0.43 J	0.32 J	0.62 J	0.43 J	0.64 J	0.93J
1,1-Dichloroethene	0.7	7	<0.41	0.24 J	<0.24	0.44 J	0.28 J	<0.24	0.42J
1,2,4-Trichlorobenzene	14	70	<2.2	<0.95	<0.95	<0.95	NA	NA	NA
1,2-Dichlorobenzene	60	600	<0.50	<0.71	<0.71	<0.71	NA	NA	NA
1,2-Dichloroethane	0.5	5	<0.17	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
1,2-Dichloropropane	0.5	5	<0.23	<0.28	<0.28	<0.28	NA	NA	NA
1,3-Dichlorobenzene	120	600	<0.50	<0.63	<0.63	<0.63	NA	NA	NA
1,4-Dichlorobenzene	15	75	<0.50	<0.94	<0.94	<0.94	NA	NA	NA
Bromodichloromethane	0.06	0.6	<0.50	<0.36	<0.36	<0.36	NA	NA	NA
Carbon tetrachloride	0.5	5	<0.50	<0.17	<0.17	<0.17	NA	NA	NA
Chlorobenzene	NS	NS	<0.50	<0.71	<0.71	<0.71	NA	NA	NA
Chloroethane	80	400	<0.37	<1.3	<1.3	<1.3	NA	NA	NA
Chloroform	0.6	6	<2.5	<1.3	<1.3	<1.3	NA	NA	NA
Chloromethane	3	30	<0.50	<2.2	<2.2	<2.2	NA	NA	NA
cis-1,2-Dichloroethene	7	70	15.6	16.2	10.7	18.5	16.7	13.6	14.7
cis-1,3-Dichloropropene	0.04	0.4	<0.50	<3.6	<3.6	<3.6	NA	NA	NA
Dibromochloromethane	6	60	<0.50	<2.6	<2.6	<2.6	NA	NA	NA
Dichlorodifluoromethane	200	1,000	<0.22	<0.50	<0.50	<0.50	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	<2.1	<1.2	<1.2	<1.2	NA	NA	NA
Methylene Chloride	0.5	5	<0.23	<0.58	<0.58	<0.58	NA	NA	NA
Tetrachloroethene	0.5	5	<0.50	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
trans-1,2-Dichloroethene	20	100	0.45 J	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
trans-1,3-Dichloropropene	0.04	0.4	<0.23	<4.4	<4.4	<4.4	NA	NA	NA
Trichloroethene	0.5	5	**13.6**	**10.4**	**10.2**	**12.6**	**8.4**	**8.5**	**12.8**
Trichlorofluoromethane	NS	NS	<0.18	<0.21	<0.21	<0.21	NA	NA	NA
Vinyl chloride	0.02	0.2	**1.4**	**1.4**	**0.96 J**	**1.6**	**2.7**	**2.3**	**1.7**

Notes: Results are in ug/L.
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J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Table 1. Groundwater Results for CVOCs - former Navistar/RMG Foundry, Waukesha, WI

Well No.	WDNR NR 140 Standards		MW-44				
Parameter / Date	PAL	ES	12/12/2018	3/26/2019	6/24/2019	9/10/2019	12/12/2019
1,1,1-Trichloroethane	40	200	<0.24	<0.24	<0.24	<0.24	<0.24
1,1,2,2-Tetrachloroethane	0.02	0.2	<0.28	<0.28	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	<0.55	<0.55	<0.55	<0.55	<0.55
1,1-Dichloroethane	85	850	<0.27	<0.27	<0.27	<0.27	<0.27
1,1-Dichloroethene	0.7	7	<0.24	<0.24	<0.24	<0.24	<0.24
1,2,4-Trichlorobenzene	14	70	<0.95	<0.95	NA	NA	NA
1,2-Dichlorobenzene	60	600	<0.71	<0.71	NA	NA	NA
1,2-Dichloroethane	0.5	5	<0.28	<0.28	<0.28	<0.28	<0.28
1,2-Dichloropropane	0.5	5	<0.28	<0.28	NA	NA	NA
1,3-Dichlorobenzene	120	600	<0.63	<0.63	NA	NA	NA
1,4-Dichlorobenzene	15	75	<0.94	<0.94	NA	NA	NA
Bromodichloromethane	0.06	0.6	<0.36	<0.36	NA	NA	NA
Carbon tetrachloride	0.5	5	<0.17	<0.17	NA	NA	NA
Chlorobenzene	NS	NS	<0.71	<0.71	NA	NA	NA
Chloroethane	80	400	<1.3	<1.3	NA	NA	NA
Chloroform	0.6	6	<1.3	<1.3	NA	NA	NA
Chloromethane	3	30	<2.2	<2.2	NA	NA	NA
cis-1,2-Dichloroethene	7	70	<0.27	<0.27	<0.27	<0.27	<0.27
cis-1,3-Dichloropropene	0.04	0.4	<3.6	<3.6	NA	NA	NA
Dibromochloromethane	6	60	<2.6	<2.6	NA	NA	NA
Dichlorodifluoromethane	200	1,000	<0.50	<0.50	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	<1.2	<1.2	NA	NA	NA
Methylene Chloride	0.5	5	<0.58	<0.58	NA	NA	NA
Tetrachloroethene	0.5	5	<0.33	<0.33	<0.33	<0.33	<0.33
trans-1,2-Dichloroethene	20	100	<1.1	<1.1	<1.1	<1.1	<1.1
trans-1,3-Dichloropropene	0.04	0.4	<4.4	<4.4	NA	NA	NA
Trichloroethene	0.5	5	0.27 J	0.75 J	0.36 J	<0.26	<0.26
Trichlorofluoromethane	NS	NS	<0.21	<0.21	NA	NA	NA
Vinyl chloride	0.02	0.2	<0.17	<0.17	<0.17	<0.17	<0.17

Notes: Results are in ug/L.
PAL - Preventative Action Limit
ES - Enforcement Standard
NS - No Standard
* - Sample collected by others

B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Well No.	WDNR NR 140 Standards		MW-45				
Parameter / Date	PAL	ES	12/14/2018	3/26/2019	6/24/2019	9/11/2019	12/6/2019
1,1,1-Trichloroethane	40	200	32.1	12.2	12.1	14.5	11.7
1,1,2,2-Tetrachloroethane	0.02	0.2	<0.55	<0.55	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	<1.1	<1.1	<1.1	<0.55	<0.55
1,1-Dichloroethane	85	850	18.7	11.5	11.9	13.9	13.7
1,1-Dichloroethene	0.7	7	4.3	2.4	1.9 J	1.6	2.1
1,2,4-Trichlorobenzene	14	70	<1.9	<1.9	NA	NA	NA
1,2-Dichlorobenzene	60	600	<1.4	<1.4	NA	NA	NA
1,2-Dichloroethane	0.5	5	<0.56	<0.56	<0.56	<0.28	<0.28
1,2-Dichloropropane	0.5	5	<0.57	<0.57	NA	NA	NA
1,3-Dichlorobenzene	120	600	<1.3	<1.3	NA	NA	NA
1,4-Dichlorobenzene	15	75	<1.9	<1.9	NA	NA	NA
Bromodichloromethane	0.06	0.6	<0.73	<0.73	NA	NA	NA
Carbon tetrachloride	0.5	5	<0.33	<0.33	NA	NA	NA
Chlorobenzene	NS	NS	<1.4	<1.4	NA	NA	NA
Chloroethane	80	400	<2.7	<2.7	NA	NA	NA
Chloroform	0.6	6	<2.5	<2.5	NA	NA	NA
Chloromethane	3	30	<4.4	<4.4	NA	NA	NA
cis-1,2-Dichloroethene	7	70	5.9	5.7	5.7	6.4	6.4
cis-1,3-Dichloropropene	0.04	0.4	<7.3	<7.3	NA	NA	NA
Dibromochloromethane	6	60	<5.2	<5.2	NA	NA	NA
Dichlorodifluoromethane	200	1,000	<1.0	<1.0	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	<2.4	<2.4	NA	NA	NA
Methylene Chloride	0.5	5	<1.2	<1.2	NA	NA	NA
Tetrachloroethene	0.5	5	<0.65	<0.65	<0.65	<0.33	<0.33
trans-1,2-Dichloroethene	20	100	<2.2	<2.2	<2.2	<1.1	<1.1
trans-1,3-Dichloropropene	0.04	0.4	<8.7	<8.7	NA	NA	NA
Trichloroethene	0.5	5	**241**	**125**	**144**	**179**	**177**
Trichlorofluoromethane	NS	NS	<0.43	<0.43	NA	NA	NA
Vinyl chloride	0.02	0.2	<0.35	<0.35	<0.35	<0.17	<0.17

Notes: Results are in ug/L.
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* - Sample collected by others

B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Table 1. Groundwater Results for CVOCs - former Navistar/RMG Foundry, Waukesha, WI

Well No.	WDNR NR 140 Standards		MW-46			MW-47			MW-48			MW-49			MW-50		
Parameter Date	PAL	ES	6/20/2019	9/10/2019	12/9/2019	6/20/2019	9/9/2019	12/9/2019	6/18/2019	9/9/2019	12/10/2019	6/18/2019	9/10/2019	12/10/2019	6/18/2019	9/10/2019	12/10/2019
1,1,1-Trichloroethane	40	200	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	5.6	30.6	6.1	0.69 J	23.1	5.0
1,1,2,2-Tetrachloroethane	0.02	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55
1,1-Dichloroethane	85	850	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	1.4	6.5	1.4	<0.27	9.6	1.7
1,1-Dichloroethene	0.7	7	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	0.79 J	3	0.57J	<0.24	3.9	0.67J
1,2,4-Trichlorobenzene	14	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	60	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.5	5	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
1,2-Dichloropropane	0.5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	15	75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	0.06	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	80	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	0.6	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	3	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	7	70	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	1.4	<0.27	<0.27	1.4	<0.27
cis-1,3-Dichloropropene	0.04	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	6	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	200	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	0.5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	0.5	5	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
trans-1,2-Dichloroethene	20	100	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
trans-1,3-Dichloropropene	0.04	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	0.5	5	<0.26	<0.26	0.53J	<0.26	<0.26	0.80J	<0.26	0.56 J	1.1	**28.1**	**178**	**31.4**	**7.6**	**106**	**35.5**
Trichlorofluoromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	0.02	0.2	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17

Notes: Results are in ug/L.
PAL - Preventative Action Limit
ES - Enforcement Standard
NS - No Standard
* - Sample collected by others

B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Well No.	WDNR NR 140 Standards		MW-51			MW-52			MW-53			MW-54			MW-55		
Parameter Date	PAL	ES	6/18/2019	9/10/2019	12/10/2019	6/20/2019	9/10/2019	12/10/2019	6/24/2019	9/11/2019	12/11/2019	6/20/2019	9/11/2019	12/11/2019	6/20/2019	9/9/2019	12/9/2019
1,1,1-Trichloroethane	40	200	<0.24	<0.24	<0.24	0.36 J	<0.24	0.58J	<0.24	<0.24	<0.24	<0.24	<0.24	<0.55	<0.24	<0.24	<0.24
1,1,2,2-Tetrachloroethane	0.02	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.27	<0.55	<0.55	<0.55
1,1-Dichloroethane	85	850	<0.27	<0.27	<0.27	0.39 J	<0.27	0.42J	<0.27	<0.27	<0.27	<0.27	<0.27	<0.24	<0.27	<0.27	<0.27
1,1-Dichloroethene	0.7	7	<0.24	<0.24	<0.24	0.32 J	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.28	<0.24	<0.24	<0.24
1,2,4-Trichlorobenzene	14	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	60	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.5	5	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.27	<0.28	<0.28	<0.28
1,2-Dichloropropane	0.5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	15	75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	0.06	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	80	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	0.6	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	3	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	7	70	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	1.0	0.97J	1.9
cis-1,3-Dichloropropene	0.04	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	6	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	200	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	0.5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	0.5	5	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
trans-1,2-Dichloroethene	20	100	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
trans-1,3-Dichloropropene	0.04	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	0.5	5	<0.26	<0.26	<0.26	**5.5**	4.9	**7.3**	<0.26	<0.26	<0.26	0.58 J	0.42 J	0.28J	0.75 J	0.96 J	1.4
Trichlorofluoromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	0.02	0.2	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	**0.32 J**	<0.17	**0.26J**

Notes: Results are in ug/L.
PAL - Preventative Action Limit
ES - Enforcement Standard
NS - No Standard
* - Sample collected by others

B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Table 1. Groundwater Results for CVOCs - former Navistar/RMG Foundry, Waukesha, WI

Well No.	WDNR NR 140 Standards		Duplicate 1 (NMW-3R)	Duplicate 2 (MW-32)	Duplicate 1 (MW-32)	Duplicate 2 (MW-13)	Duplicate 1 (MW-27)	Duplicate 2 (MW-15)	Duplicate 3 (MW-33)	Duplicate 1 (MW-37)	Duplicate 2 (HOBO SP)	Duplicate 1 (MW-38)	Duplicate 2 (MW-23)	Duplicate 3 (MW-33)	Duplicate 1 (MW-36)	Duplicate 2 (NMW-7)
Parameter / Date	PAL	ES	11/28/2017	12/7/2017	3/14/2018	3/15/2018	7/11/2018	7/11/2018	7/12/2018	10/2/2018	10/5/2018	12/12/2018	12/13/2018	12/14/2018	3/25/2019	3/25/2019
1,1,1-Trichloroethane	40	200	10	<0.50	<0.50	23.6	<0.50	15.3	<0.50	21.5	16.8	11.9	**294**	<0.24	0.46 J	18.5
1,1,2,2-Tetrachloroethane	0.02	0.2	<0.25	<0.25	<0.25	<0.25	<0.25	<1.2	<0.25	<0.28	<0.28	<0.28	<13.8	<0.28	<0.28	<0.55
1,1,2-Trichloroethane	0.5	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.99	<0.20	<0.55	<0.55	<0.55	<27.6	<0.55	<0.55	<1.1
1,1-Dichloroethane	85	850	6.3	<0.24	<0.24	14.1	0.84 J	9.7	<0.24	8.0	6.5	6.8	117	<0.27	0.43 J	5.2
1,1-Dichloroethene	0.7	7	2.7	<0.41	<0.41	6.6	<0.41	3.8 J	<0.41	1.9	1.7	1.9	**79.8**	<0.24	<0.24	2.6
1,2,4-Trichlorobenzene	14	70	<2.2	<2.2	<2.2	<2.2	<2.2	<11.0	<2.2	<0.95	<0.95	<0.95	<47.6	<0.95	<0.95	<1.9
1,2-Dichlorobenzene	60	600	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<0.50	<0.71	<0.71	<0.71	<35.3	<0.71	<0.71	<1.4
1,2-Dichloroethane	0.5	5	<0.17	<0.17	<0.17	<0.17	<0.17	<0.84	<0.17	<0.28	<0.28	<0.28	<14.0	<0.28	<0.28	<0.56
1,2-Dichloropropane	0.5	5	<0.23	<0.23	<0.23	<0.23	<0.23	<1.2	<0.23	<0.28	<0.28	<0.28	<14.1	<0.28	<0.28	<0.57
1,3-Dichlorobenzene	120	600	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<0.50	<0.63	<0.63	<0.63	<31.4	<0.63	<0.63	<1.3
1,4-Dichlorobenzene	15	75	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<0.50	<0.94	<0.94	<0.94	<47.2	<0.94	<0.94	<1.9
Bromodichloromethane	0.06	0.6	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<0.50	<0.36	<0.36	<0.36	<18.2	<0.36	<0.36	<0.73
Carbon tetrachloride	0.5	5	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<0.50	<0.17	<0.17	<0.17	<8.3	<0.17	<0.17	<0.33
Chlorobenzene	NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<0.50	<0.71	<0.71	<0.71	<35.5	<0.71	<0.71	<1.4
Chloroethane	80	400	<0.37	<0.37	<0.37	<0.37	<0.37	<1.9	<0.37	<1.3	<1.3	<1.3	<67.1	<1.3	<1.3	<2.7
Chloroform	0.6	6	<2.5	<2.5	<2.5	<2.5	<2.5	<12.5	<2.5	<1.3	<1.3	<1.3	<63.7	<1.3	<1.3	<2.5
Chloromethane	3	30	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<0.50	<2.2	<2.2	<2.2	<109	<2.2	<2.2	<4.4
cis-1,2-Dichloroethene	7	70	20.6	4.0	3.9	53.6	<0.26	24.6	4.5	3.5	5.0	10.7	41.0 J	11.4	1.8	2.2
cis-1,3-Dichloropropene	0.04	0.4	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<0.50	<3.6	<3.6	<3.6	<181	<3.6	<3.6	<7.3
Dibromochloromethane	6	60	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<0.50	<2.6	<2.6	<2.6	<130	<2.6	<2.6	<5.2
Dichlorodifluoromethane	200	1,000	<0.22	<0.22	<0.22	<0.22	<0.22	<1.1	<0.22	<0.50	<0.50	<0.50	<25.0	<0.50	<0.50	<1.0
Hexachloro-1,3-butadiene	NS	NS	<2.1	<2.1	<2.1	<2.1	<2.1	<10.5	<2.1	<1.2	<1.2	<1.2	<59.1	<1.2	<1.2	<2.4
Methylene Chloride	0.5	5	<0.23	<0.23	<0.23	<0.23	<0.23	<1.2	<0.23	<0.58	<0.58	<0.58	<29.0	<0.58	<0.58	<1.2
Tetrachloroethene	0.5	5	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<0.50	<0.33	<0.33	<0.33	<16.3	<0.33	<0.33	<0.65
trans-1,2-Dichloroethene	20	100	0.99 J	<0.26	<0.26	2.1	<0.26	1.3 J	<0.26	<1.1	<1.1	2.1 J	<54.5	2.4 J	<1.1	<2.2
trans-1,3-Dichloropropene	0.04	0.4	<0.23	<0.23	<0.23	<0.23	<0.23	<1.1	<0.23	<4.4	<4.4	<4.4	<219	<4.4	<4.4	<8.7
Trichloroethene	0.5	5	**105**	<0.33	<0.33	**426**	<0.33	**336**	**14.3**	**145**	**142**	**162**	**4,850**	0.61 J	**7.8**	**131**
Trichlorofluoromethane	NS	NS	<0.18	<0.18	<0.18	<0.18	<0.18	<0.92	<0.18	<0.21	<0.21	<0.21	<10.7	<0.21	<0.21	<0.43
Vinyl chloride	0.02	0.2	**0.46**	**0.21 J**	<0.18	<0.18	<0.18	<0.88	**0.50 J**	<0.17	<0.17	**0.54 J**	<8.7	**0.64 J**	<0.17	<0.35

Notes: Results are in ug/L.
PAL - Preventative Action Limit
ES - Enforcement Standard
NS - No Standard
* - Sample collected by others

B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

Underlined - Exceeds PAL
Bold - Exceeds ES

Well No.	WDNR NR 140 Standards		Duplicate 3 (NMW-8R)	Duplicate 1 (MW-41)	Duplicate 2 (MW-42)	Duplicate 3 (MW-15)	Duplicate 1 (MW-48)	Duplicate 2 (MW-25)	Duplicate 3 (NMW-7)	Duplicate 1 (MW-50)	Duplicate 2 (MW-23)	Duplicate 3 (MW-31)
Parameter / Date	PAL	ES	3/25/2019	6/18/2019	6/24/2019	7/1/2019	9/9/2019	9/9/2019	9/16/2019	12/10/2019	12/11/2019	12/12/2019
1,1,1-Trichloroethane	40	200	35.5	36.6	16	14.8	<0.24	<0.24	5.5	4.7	6.2	<0.24
1,1,2,2-Tetrachloroethane	0.02	0.2	<0.69	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	<1.4	<1.4	<1.1	<1.1	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55
1,1-Dichloroethane	85	850	11.8	15.9	4.8	7.8	<0.27	<0.27	2	1.6	3.1	<0.27
1,1-Dichloroethene	0.7	7	5.1	5.1	2.4	3.6	<0.24	<0.24	0.78J	0.83J	1.5	<0.24
1,2,4-Trichlorobenzene	14	70	<2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	60	600	<1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.5	5	<0.70	<0.70	<0.56	<0.56	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
1,2-Dichloropropane	0.5	5	<0.71	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	120	600	<1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	15	75	<2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	0.06	0.6	<0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	<0.41	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	NS	NS	<1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	80	400	<3.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	0.6	6	<3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	3	30	<5.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	7	70	3.1	15.6	2.6	22.8	<0.27	<0.27	0.65J	0.35J	7.3	0.34J
cis-1,3-Dichloropropene	0.04	0.4	<9.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	6	60	<6.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	200	1,000	<1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-butadiene	NS	NS	<3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	0.5	5	<1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	0.5	5	<0.82	<0.82	<0.65	<0.65	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
trans-1,2-Dichloroethene	20	100	<2.7	<2.7	<2.2	<2.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
trans-1,3-Dichloropropene	0.04	0.4	<10.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	0.5	5	**241**	**229**	**120**	**318**	0.59J	<0.26	**36.9**	**33.3**	**104**	1.6
Trichlorofluoromethane	NS	NS	<0.54	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	0.02	0.2	<0.44	<0.44	<0.35	<0.35	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17

Notes: Results are in ug/L.
PAL - Preventative Action Limit
ES - Enforcement Standard
NS - No Standard
* - Sample collected by others

B - Analyte detected in Method or Trip Blank
J or Q - Estimated concentration between the Limits of Detection and Quantification
NA - Not Analyzed
ND - Not Detected

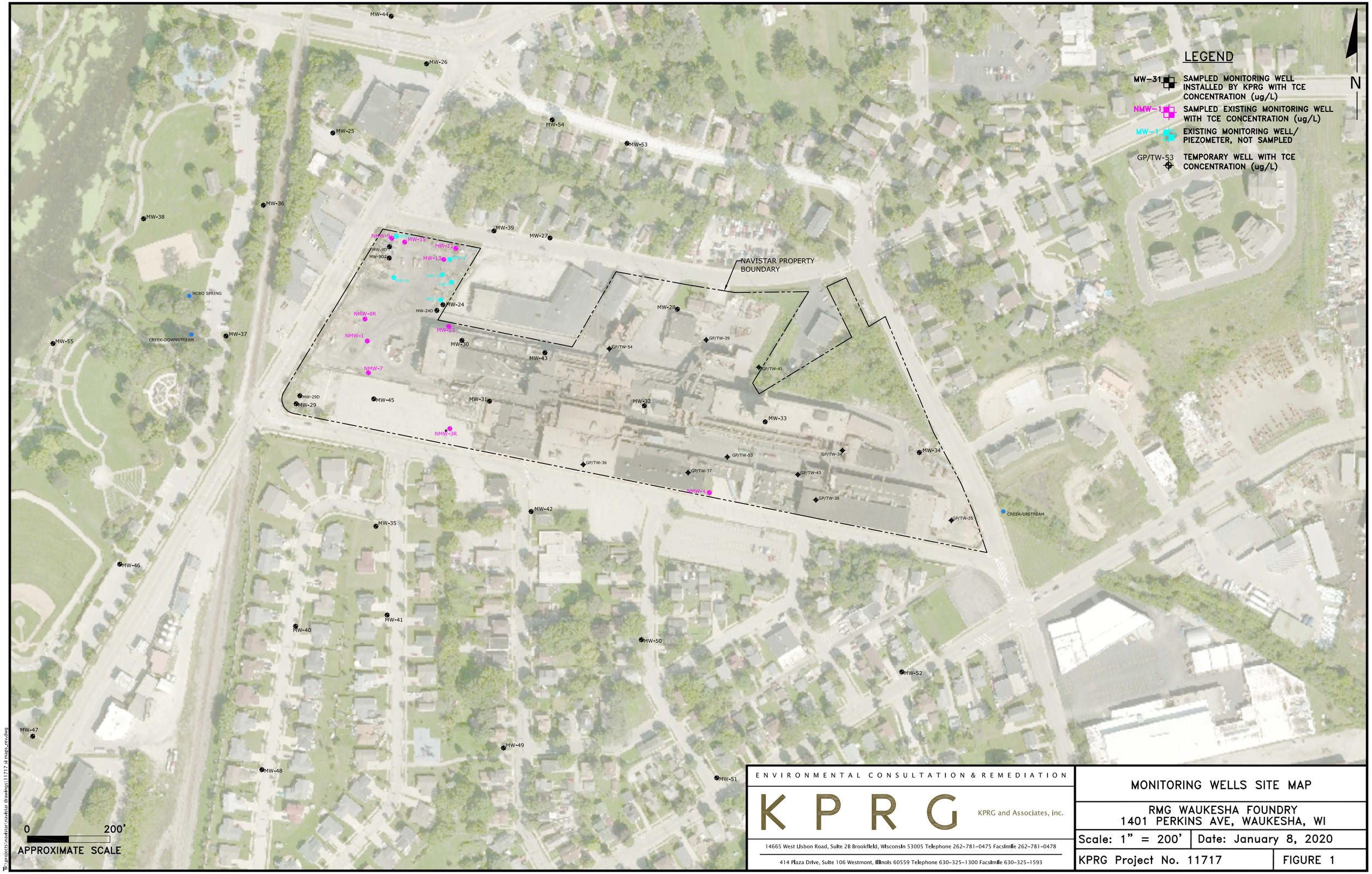
Underlined - Exceeds PAL
Bold - Exceeds ES

Table 2. Summary of Surface Water VOC's - RMG Foundry

Well No.	WDNR NR 105 Standards		HOBO SPRING				SW-DOWN				SW-UP			
Parameter / Date	NPS-WW	NPS-LAL	12/7/2017	3/12/2018	7/13/2018	12/14/2018	12/7/2017	3/12/2018	7/13/2018	12/14/2018	12/7/2017	3/12/2018	7/13/2018	12/14/2018
1,1,1-Trichloroethane	270,000	2.00E+06	8.3	6.5	21.4	17.2	0.99 J	<0.50	<0.50	0.69J	Dry	Dry	<0.50	<0.24
1,1-Dichloroethane	NE	NE	4.1	3.5	9.6	7.6	0.51 J	<0.24	0.25 J	0.46J	Dry	Dry	<0.24	<0.27
1,1-Dichloroethene	NE	NE	0.90 J	0.72 J	2.7	2.3	<0.41	<0.41	<0.41	<0.24	Dry	Dry	<0.41	<0.24
cis-1,2-Dichloroethene	14,000	56,000	2.9	2.4	6.6	6.5	0.59 J	0.45 J	0.27 J	0.69J	Dry	Dry	0.28 J	0.33J
trans-1,2-Dichloroethene	24,000	110,000	0.26 J	<0.26	0.93 J	<1.1	<0.26	<0.26	<0.26	<1.1	Dry	Dry	<0.26	<1.1
Trichloroethene	539	6,400	67.2	47.6	189	147	7.8	3.1	2.8	5.7	Dry	Dry	0.48 J	<0.26

Notes: Results are in ug/L.
NPS - Non-Public Water Supply
WW - Warm water forage, limited forage and warm water sport fish communities
LAL - Limited Aquatic Life
NE - Not Established
J - Estimated concentration between the Limits of Detection and Quantification

FIGURES



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ENVIRONMENTAL CONSULTATION & REMEDIATION

KPRG and Associates, inc.

14665 West Lisbon Road, Suite 2B 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

MONITORING WELLS SITE MAP

RMG WAUKESHA FOUNDRY
1401 PERKINS AVE, WAUKESHA, WI

Scale: 1" = 200' | Date: January 8, 2020

KPRG Project No. 11717 | FIGURE 1

Figure 2. Modified Project Schedule 1/10/20
Navistar - RMG Foundry Supplemental SI

Date and Time in Weeks From Authorization to Proceed

Task No.	Task	Dates	2017 August 14	21	28	September 4	11	18	25	October 2	9	16	23	30	November 6	13	20	27	December 4	11	18	25
1	Supplemental Soil Investigation		X																			
2	CVOC Plume Definition																					
2a	Well Installations																					
	--Mobilization*																					
	--Drilling/Construction																					
	--Surveying																					
2b	Additional Soil Sampling																					
2c	Hydraulic Conductivity Testing																					
2d	Groundwater/Surface Water Sampling																					
	--Groundwater Sampling																					
	--Surface Water Sampling																					
3	Investigation Derived Waste Management																					
4	Vapor Intrusion Study																					
4a	CRP Support																					
4b	Access Agreements and Property Assessments																					
4c	Large Commercial/Industrial High Purge Vapor Monitoring																					
4d	Residential/Small Commercial Sampling																					
5	Sewer Line Investigations																					
6	Reporting																					
6a	Progress Reports (Internal)																					
6b	Interim Soil and Groundwater/ Surface Water Data Summary																					
6c	Initial Vapor Investigation Summary																					
6d	Comprehensive SI Report**																					
6e	Remedial Action Options Report**																					

Task No.	Task	Dates	2018 January 1	8	15	22	29	February 5	12	19	26	March 5	12	19	26	April 2	9	16	23	30	May 7	14	21	28	June 4	11	18	25	July 2	9	16	23	30	August 6	13	20	27	September 3	10	17	24	October 1	8	15	22	29	November 5	12	19	26	December 3	10	17	24	31
1	Supplemental Soil Investigation																																																							
2	CVOC Plume Definition																																																									
2a	Well Installations																																																									
	--Mobilization*																																																									
	--Drilling/Construction																																																									
	--Surveying																																																									
2b	Additional Soil Sampling																																																									
2c	Hydraulic Conductivity Testing																																																									
2d	Groundwater/Surface Water Sampling																																																									
	--Groundwater Sampling																																																									
	--Surface Water Sampling																																																									
3	Investigation Derived Waste Management																																																									
4	Vapor Intrusion Study																																																									
4a	CRP Support																																																									
4b	Access Agreements and Property Assessments																																																									
4c	Large Commercial/Industrial High Purge Vapor Monitoring																																																									
4d	Residential/Small Commercial Sampling																																																									
5	Sewer Line Investigations																																																									
6	Reporting																																																									
6a	Progress Reports (Internal)																																																									
6b	Interim Soil and Groundwater/ Surface Water Data Summary																																																									
6c	Initial Vapor Investigation Summary																																																									
6d	Comprehensive SI Report**																																																									
6e	Remedial Action Options Report**																																																									

Notes:

Time required to execute entire task

Time required to execute individual tasks

* - Mobilization includes obtaining City of Waukesha permits for 6 off-site locations and subcontracting/scheduling

** - Timing of these deliverables is dependant on results of tasks 6b and 6c

X - Project Kickoff Meeting

Figure 2. Modified Project Schedule 1/10/20
Navistar - RMG Foundry Supplemental SI

Notes:

🟨 Time required to execute entire task

🟩 Time required to execute individual tasks

* - Mobilization includes obtaining City of Waukesha permits for 6 off-site locations and subcontracting/scheduling

** - Timing of these deliverables is dependant on results of tasks 9b and 9c

╳ - Project Kickoff Meeting

ATTACHMENT 1
Analytical Data Packages

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

December 13, 2019

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

RE: Project: 11717 NAVISTAR
Pace Project No.: 40200614

Dear Rich Gnat:
Enclosed are the analytical results for sample(s) received by the laboratory on December 11, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 11717 NAVISTAR
Pace Project No.: 40200614

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 11717 NAVISTAR
Pace Project No.: 40200614

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40200614001	**NMW-3R**	Water	12/06/19 09:20	12/11/19 08:45
40200614002	**NMW-4**	Water	12/06/19 15:05	12/11/19 08:45
40200614003	**MW-29**	Water	12/06/19 13:15	12/11/19 08:45
40200614004	**MW-29D**	Water	12/06/19 12:42	12/11/19 08:45
40200614005	**MW-36**	Water	12/09/19 10:40	12/11/19 08:45
40200614006	**MW-37**	Water	12/09/19 11:16	12/11/19 08:45
40200614007	**MW-47**	Water	12/09/19 12:14	12/11/19 08:45
40200614008	**MW-46**	Water	12/09/19 12:46	12/11/19 08:45
40200614009	**MW-38**	Water	12/09/19 13:34	12/11/19 08:45
40200614010	**MW-55**	Water	12/09/19 13:53	12/11/19 08:45
40200614011	**HOBO SPRING**	Water	12/09/19 14:55	12/11/19 08:45
40200614012	**CREEK DOWNSTREAM**	Water	12/09/19 15:05	12/11/19 08:45
40200614013	**CREEK UPSTREAM**	Water	12/09/19 16:00	12/11/19 08:45
40200614014	**MW-45**	Water	12/06/19 11:48	12/11/19 08:45

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SAMPLE ANALYTE COUNT

Project: 11717 NAVISTAR
Pace Project No.: 40200614

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40200614001	NMW-3R	EPA 8260	HNW	13	PASI-G
40200614002	NMW-4	EPA 8260	HNW	13	PASI-G
40200614003	MW-29	EPA 8260	HNW	13	PASI-G
40200614004	MW-29D	EPA 8260	HNW	13	PASI-G
40200614005	MW-36	EPA 8260	HNW	13	PASI-G
40200614006	MW-37	EPA 8260	HNW	13	PASI-G
40200614007	MW-47	EPA 8260	HNW	13	PASI-G
40200614008	MW-46	EPA 8260	HNW	13	PASI-G
40200614009	MW-38	EPA 8260	HNW	13	PASI-G
40200614010	MW-55	EPA 8260	HNW	13	PASI-G
40200614011	HOBO SPRING	EPA 8260	HNW	13	PASI-G
40200614012	CREEK DOWNSTREAM	EPA 8260	HNW	13	PASI-G
40200614013	CREEK UPSTREAM	EPA 8260	HNW	13	PASI-G
40200614014	MW-45	EPA 8260	HNW	13	PASI-G

Pace Analytical Services, LLC
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SUMMARY OF DETECTION

Project: 11717 NAVISTAR
Pace Project No.: 40200614

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40200614001	**NMW-3R**					
EPA 8260	1,1,1-Trichloroethane	1.7	ug/L	1.0	12/12/19 11:06	
EPA 8260	1,1-Dichloroethane	2.9	ug/L	1.0	12/12/19 11:06	
EPA 8260	1,1-Dichloroethene	0.36J	ug/L	1.0	12/12/19 11:06	
EPA 8260	Trichloroethene	19.8	ug/L	1.0	12/12/19 11:06	
EPA 8260	cis-1,2-Dichloroethene	8.0	ug/L	1.0	12/12/19 11:06	
40200614002	**NMW-4**					
EPA 8260	Trichloroethene	0.75J	ug/L	1.0	12/12/19 11:28	
40200614003	**MW-29**					
EPA 8260	1,1,1-Trichloroethane	27.8	ug/L	1.0	12/12/19 09:36	
EPA 8260	1,1-Dichloroethane	10.1	ug/L	1.0	12/12/19 09:36	
EPA 8260	1,1-Dichloroethene	3.2	ug/L	1.0	12/12/19 09:36	
EPA 8260	Trichloroethene	195	ug/L	1.0	12/12/19 09:36	
EPA 8260	cis-1,2-Dichloroethene	8.0	ug/L	1.0	12/12/19 09:36	
40200614004	**MW-29D**					
EPA 8260	Trichloroethene	0.63J	ug/L	1.0	12/12/19 11:51	
40200614005	**MW-36**					
EPA 8260	1,1,1-Trichloroethane	54.0	ug/L	2.0	12/12/19 08:51	
EPA 8260	1,1-Dichloroethane	16.4	ug/L	2.0	12/12/19 08:51	
EPA 8260	1,1-Dichloroethene	8.2	ug/L	2.0	12/12/19 08:51	
EPA 8260	Tetrachloroethene	0.71J	ug/L	2.2	12/12/19 08:51	
EPA 8260	Trichloroethene	442	ug/L	2.0	12/12/19 08:51	
EPA 8260	cis-1,2-Dichloroethene	8.9	ug/L	2.0	12/12/19 08:51	
40200614006	**MW-37**					
EPA 8260	1,1,1-Trichloroethane	25.1	ug/L	2.0	12/12/19 09:14	
EPA 8260	1,1-Dichloroethane	9.0	ug/L	2.0	12/12/19 09:14	
EPA 8260	1,1-Dichloroethene	2.2	ug/L	2.0	12/12/19 09:14	
EPA 8260	Trichloroethene	165	ug/L	2.0	12/12/19 09:14	
EPA 8260	cis-1,2-Dichloroethene	3.5	ug/L	2.0	12/12/19 09:14	
40200614007	**MW-47**					
EPA 8260	Trichloroethene	0.80J	ug/L	1.0	12/12/19 12:57	
40200614008	**MW-46**					
EPA 8260	Trichloroethene	0.53J	ug/L	1.0	12/12/19 13:20	
40200614009	**MW-38**					
EPA 8260	1,1,1-Trichloroethane	6.7	ug/L	1.0	12/12/19 09:58	
EPA 8260	1,1-Dichloroethane	2.8	ug/L	1.0	12/12/19 09:58	
EPA 8260	1,1-Dichloroethene	0.74J	ug/L	1.0	12/12/19 09:58	
EPA 8260	Trichloroethene	80.2	ug/L	1.0	12/12/19 09:58	
EPA 8260	cis-1,2-Dichloroethene	4.1	ug/L	1.0	12/12/19 09:58	
EPA 8260	trans-1,2-Dichloroethene	1.5J	ug/L	3.6	12/12/19 09:58	
40200614010	**MW-55**					
EPA 8260	Trichloroethene	1.4	ug/L	1.0	12/12/19 13:42	
EPA 8260	Vinyl chloride	0.26J	ug/L	1.0	12/12/19 13:42	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SUMMARY OF DETECTION

Project: 11717 NAVISTAR
Pace Project No.: 40200614

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40200614010	**MW-55**					
EPA 8260	cis-1,2-Dichloroethene	1.9	ug/L	1.0	12/12/19 13:42	
40200614011	**HOBO SPRING**					
EPA 8260	1,1,1-Trichloroethane	13.1	ug/L	1.0	12/12/19 10:21	
EPA 8260	1,1-Dichloroethane	5.2	ug/L	1.0	12/12/19 10:21	
EPA 8260	1,1-Dichloroethene	1.2	ug/L	1.0	12/12/19 10:21	
EPA 8260	Trichloroethene	92.5	ug/L	1.0	12/12/19 10:21	
EPA 8260	cis-1,2-Dichloroethene	9.9	ug/L	1.0	12/12/19 10:21	
40200614012	**CREEK DOWNSTREAM**					
EPA 8260	1,1,1-Trichloroethane	0.67J	ug/L	1.0	12/12/19 16:06	
EPA 8260	Trichloroethene	3.6	ug/L	1.0	12/12/19 16:06	
EPA 8260	cis-1,2-Dichloroethene	0.38J	ug/L	1.0	12/12/19 16:06	
40200614013	**CREEK UPSTREAM**					
EPA 8260	1,1,1-Trichloroethane	0.28J	ug/L	1.0	12/12/19 16:28	
EPA 8260	Trichloroethene	0.77J	ug/L	1.0	12/12/19 16:28	
40200614014	**MW-45**					
EPA 8260	1,1,1-Trichloroethane	11.7	ug/L	1.0	12/12/19 10:43	
EPA 8260	1,1-Dichloroethane	13.7	ug/L	1.0	12/12/19 10:43	
EPA 8260	1,1-Dichloroethene	2.1	ug/L	1.0	12/12/19 10:43	
EPA 8260	Trichloroethene	177	ug/L	1.0	12/12/19 10:43	
EPA 8260	cis-1,2-Dichloroethene	6.4	ug/L	1.0	12/12/19 10:43	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200614

Sample: NMW-3R **Lab ID: 40200614001** Collected: 12/06/19 09:20 Received: 12/11/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**1.7**	ug/L	1.0	0.24	1		12/12/19 11:06	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/12/19 11:06	79-00-5	
1,1-Dichloroethane	**2.9**	ug/L	1.0	0.27	1		12/12/19 11:06	75-34-3	
1,1-Dichloroethene	**0.36J**	ug/L	1.0	0.24	1		12/12/19 11:06	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/12/19 11:06	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/12/19 11:06	127-18-4	
Trichloroethene	**19.8**	ug/L	1.0	0.26	1		12/12/19 11:06	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/12/19 11:06	75-01-4	
cis-1,2-Dichloroethene	**8.0**	ug/L	1.0	0.27	1		12/12/19 11:06	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/12/19 11:06	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		12/12/19 11:06	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		12/12/19 11:06	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		12/12/19 11:06	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200614

Sample: NMW-4 **Lab ID: 40200614002** Collected: 12/06/19 15:05 Received: 12/11/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		12/12/19 11:28	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/12/19 11:28	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		12/12/19 11:28	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/12/19 11:28	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/12/19 11:28	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/12/19 11:28	127-18-4	
Trichloroethene	**0.75J**	ug/L	1.0	0.26	1		12/12/19 11:28	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/12/19 11:28	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		12/12/19 11:28	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/12/19 11:28	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/12/19 11:28	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		12/12/19 11:28	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		12/12/19 11:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200614

Sample: MW-29 **Lab ID: 40200614003** Collected: 12/06/19 13:15 Received: 12/11/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**27.8**	ug/L	1.0	0.24	1		12/12/19 09:36	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/12/19 09:36	79-00-5	
1,1-Dichloroethane	**10.1**	ug/L	1.0	0.27	1		12/12/19 09:36	75-34-3	
1,1-Dichloroethene	**3.2**	ug/L	1.0	0.24	1		12/12/19 09:36	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/12/19 09:36	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/12/19 09:36	127-18-4	
Trichloroethene	**195**	ug/L	1.0	0.26	1		12/12/19 09:36	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/12/19 09:36	75-01-4	
cis-1,2-Dichloroethene	**8.0**	ug/L	1.0	0.27	1		12/12/19 09:36	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/12/19 09:36	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/12/19 09:36	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		12/12/19 09:36	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		12/12/19 09:36	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200614

Sample: MW-29D **Lab ID: 40200614004** Collected: 12/06/19 12:42 Received: 12/11/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		12/12/19 11:51	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/12/19 11:51	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		12/12/19 11:51	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/12/19 11:51	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/12/19 11:51	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/12/19 11:51	127-18-4	
Trichloroethene	**0.63J**	ug/L	1.0	0.26	1		12/12/19 11:51	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/12/19 11:51	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		12/12/19 11:51	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/12/19 11:51	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		12/12/19 11:51	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		12/12/19 11:51	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		12/12/19 11:51	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200614

Sample: MW-36 **Lab ID: 40200614005** Collected: 12/09/19 10:40 Received: 12/11/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**54.0**	ug/L	2.0	0.49	2		12/12/19 08:51	71-55-6	
1,1,2-Trichloroethane	**<1.1**	ug/L	10.0	1.1	2		12/12/19 08:51	79-00-5	
1,1-Dichloroethane	**16.4**	ug/L	2.0	0.55	2		12/12/19 08:51	75-34-3	
1,1-Dichloroethene	**8.2**	ug/L	2.0	0.49	2		12/12/19 08:51	75-35-4	
1,2-Dichloroethane	**<0.56**	ug/L	2.0	0.56	2		12/12/19 08:51	107-06-2	
Tetrachloroethene	**0.71J**	ug/L	2.2	0.65	2		12/12/19 08:51	127-18-4	
Trichloroethene	**442**	ug/L	2.0	0.51	2		12/12/19 08:51	79-01-6	
Vinyl chloride	**<0.35**	ug/L	2.0	0.35	2		12/12/19 08:51	75-01-4	
cis-1,2-Dichloroethene	**8.9**	ug/L	2.0	0.54	2		12/12/19 08:51	156-59-2	
trans-1,2-Dichloroethene	**<2.2**	ug/L	7.3	2.2	2		12/12/19 08:51	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		2		12/12/19 08:51	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		2		12/12/19 08:51	1868-53-7	
Toluene-d8 (S)	100	%	70-130		2		12/12/19 08:51	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200614

Sample: MW-37 **Lab ID: 40200614006** Collected: 12/09/19 11:16 Received: 12/11/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**25.1**	ug/L	2.0	0.49	2		12/12/19 09:14	71-55-6	
1,1,2-Trichloroethane	**<1.1**	ug/L	10.0	1.1	2		12/12/19 09:14	79-00-5	
1,1-Dichloroethane	**9.0**	ug/L	2.0	0.55	2		12/12/19 09:14	75-34-3	
1,1-Dichloroethene	**2.2**	ug/L	2.0	0.49	2		12/12/19 09:14	75-35-4	
1,2-Dichloroethane	**<0.56**	ug/L	2.0	0.56	2		12/12/19 09:14	107-06-2	
Tetrachloroethene	**<0.65**	ug/L	2.2	0.65	2		12/12/19 09:14	127-18-4	
Trichloroethene	**165**	ug/L	2.0	0.51	2		12/12/19 09:14	79-01-6	
Vinyl chloride	**<0.35**	ug/L	2.0	0.35	2		12/12/19 09:14	75-01-4	
cis-1,2-Dichloroethene	**3.5**	ug/L	2.0	0.54	2		12/12/19 09:14	156-59-2	
trans-1,2-Dichloroethene	**<2.2**	ug/L	7.3	2.2	2		12/12/19 09:14	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		2		12/12/19 09:14	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		2		12/12/19 09:14	1868-53-7	
Toluene-d8 (S)	101	%	70-130		2		12/12/19 09:14	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200614

Sample: MW-47 **Lab ID: 40200614007** Collected: 12/09/19 12:14 Received: 12/11/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		12/12/19 12:57	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/12/19 12:57	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		12/12/19 12:57	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/12/19 12:57	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/12/19 12:57	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/12/19 12:57	127-18-4	
Trichloroethene	**0.80J**	ug/L	1.0	0.26	1		12/12/19 12:57	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/12/19 12:57	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		12/12/19 12:57	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/12/19 12:57	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		12/12/19 12:57	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		12/12/19 12:57	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		12/12/19 12:57	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200614

Sample: MW-46 **Lab ID: 40200614008** Collected: 12/09/19 12:46 Received: 12/11/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		12/12/19 13:20	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/12/19 13:20	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		12/12/19 13:20	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/12/19 13:20	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/12/19 13:20	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/12/19 13:20	127-18-4	
Trichloroethene	**0.53J**	ug/L	1.0	0.26	1		12/12/19 13:20	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/12/19 13:20	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		12/12/19 13:20	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/12/19 13:20	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/12/19 13:20	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		12/12/19 13:20	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		12/12/19 13:20	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200614

Sample: MW-38 **Lab ID: 40200614009** Collected: 12/09/19 13:34 Received: 12/11/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**6.7**	ug/L	1.0	0.24	1		12/12/19 09:58	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/12/19 09:58	79-00-5	
1,1-Dichloroethane	**2.8**	ug/L	1.0	0.27	1		12/12/19 09:58	75-34-3	
1,1-Dichloroethene	**0.74J**	ug/L	1.0	0.24	1		12/12/19 09:58	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/12/19 09:58	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/12/19 09:58	127-18-4	
Trichloroethene	**80.2**	ug/L	1.0	0.26	1		12/12/19 09:58	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/12/19 09:58	75-01-4	
cis-1,2-Dichloroethene	**4.1**	ug/L	1.0	0.27	1		12/12/19 09:58	156-59-2	
trans-1,2-Dichloroethene	**1.5J**	ug/L	3.6	1.1	1		12/12/19 09:58	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		12/12/19 09:58	460-00-4	
Dibromofluoromethane (S)	111	%	70-130		1		12/12/19 09:58	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		12/12/19 09:58	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200614

Sample: MW-55 **Lab ID: 40200614010** Collected: 12/09/19 13:53 Received: 12/11/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		12/12/19 13:42	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/12/19 13:42	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		12/12/19 13:42	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/12/19 13:42	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/12/19 13:42	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/12/19 13:42	127-18-4	
Trichloroethene	**1.4**	ug/L	1.0	0.26	1		12/12/19 13:42	79-01-6	
Vinyl chloride	**0.26J**	ug/L	1.0	0.17	1		12/12/19 13:42	75-01-4	
cis-1,2-Dichloroethene	**1.9**	ug/L	1.0	0.27	1		12/12/19 13:42	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/12/19 13:42	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/12/19 13:42	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		12/12/19 13:42	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		12/12/19 13:42	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200614

Sample: HOBO SPRING **Lab ID: 40200614011** Collected: 12/09/19 14:55 Received: 12/11/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**13.1**	ug/L	1.0	0.24	1		12/12/19 10:21	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/12/19 10:21	79-00-5	
1,1-Dichloroethane	**5.2**	ug/L	1.0	0.27	1		12/12/19 10:21	75-34-3	
1,1-Dichloroethene	**1.2**	ug/L	1.0	0.24	1		12/12/19 10:21	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/12/19 10:21	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/12/19 10:21	127-18-4	
Trichloroethene	**92.5**	ug/L	1.0	0.26	1		12/12/19 10:21	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/12/19 10:21	75-01-4	
cis-1,2-Dichloroethene	**9.9**	ug/L	1.0	0.27	1		12/12/19 10:21	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/12/19 10:21	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/12/19 10:21	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		12/12/19 10:21	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		12/12/19 10:21	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200614

Sample: CREEK DOWNSTREAM **Lab ID: 40200614012** Collected: 12/09/19 15:05 Received: 12/11/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**0.67J**	ug/L	1.0	0.24	1		12/12/19 16:06	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/12/19 16:06	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		12/12/19 16:06	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/12/19 16:06	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/12/19 16:06	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/12/19 16:06	127-18-4	
Trichloroethene	**3.6**	ug/L	1.0	0.26	1		12/12/19 16:06	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/12/19 16:06	75-01-4	
cis-1,2-Dichloroethene	**0.38J**	ug/L	1.0	0.27	1		12/12/19 16:06	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/12/19 16:06	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/12/19 16:06	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		12/12/19 16:06	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		12/12/19 16:06	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200614

Sample: CREEK UPSTREAM **Lab ID: 40200614013** Collected: 12/09/19 16:00 Received: 12/11/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**0.28J**	ug/L	1.0	0.24	1		12/12/19 16:28	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/12/19 16:28	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		12/12/19 16:28	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/12/19 16:28	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/12/19 16:28	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/12/19 16:28	127-18-4	
Trichloroethene	**0.77J**	ug/L	1.0	0.26	1		12/12/19 16:28	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/12/19 16:28	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		12/12/19 16:28	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/12/19 16:28	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		12/12/19 16:28	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		12/12/19 16:28	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		12/12/19 16:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200614

Sample: MW-45 **Lab ID: 40200614014** Collected: 12/06/19 11:48 Received: 12/11/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**11.7**	ug/L	1.0	0.24	1		12/12/19 10:43	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/12/19 10:43	79-00-5	
1,1-Dichloroethane	**13.7**	ug/L	1.0	0.27	1		12/12/19 10:43	75-34-3	
1,1-Dichloroethene	**2.1**	ug/L	1.0	0.24	1		12/12/19 10:43	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/12/19 10:43	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/12/19 10:43	127-18-4	
Trichloroethene	**177**	ug/L	1.0	0.26	1		12/12/19 10:43	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/12/19 10:43	75-01-4	
cis-1,2-Dichloroethene	**6.4**	ug/L	1.0	0.27	1		12/12/19 10:43	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/12/19 10:43	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		12/12/19 10:43	460-00-4	
Dibromofluoromethane (S)	111	%	70-130		1		12/12/19 10:43	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		12/12/19 10:43	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11717 NAVISTAR
Pace Project No.: 40200614

QC Batch: 343172 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40200614001, 40200614002, 40200614003, 40200614004, 40200614005, 40200614006, 40200614007, 40200614008, 40200614009, 40200614010, 40200614011, 40200614012, 40200614013, 40200614014

METHOD BLANK: 1992528 Matrix: Water
Associated Lab Samples: 40200614001, 40200614002, 40200614003, 40200614004, 40200614005, 40200614006, 40200614007, 40200614008, 40200614009, 40200614010, 40200614011, 40200614012, 40200614013, 40200614014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.24	1.0	12/12/19 06:36	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	12/12/19 06:36	
1,1-Dichloroethane	ug/L	<0.27	1.0	12/12/19 06:36	
1,1-Dichloroethene	ug/L	<0.24	1.0	12/12/19 06:36	
1,2-Dichloroethane	ug/L	<0.28	1.0	12/12/19 06:36	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	12/12/19 06:36	
Tetrachloroethene	ug/L	<0.33	1.1	12/12/19 06:36	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	12/12/19 06:36	
Trichloroethene	ug/L	<0.26	1.0	12/12/19 06:36	
Vinyl chloride	ug/L	<0.17	1.0	12/12/19 06:36	
4-Bromofluorobenzene (S)	%	93	70-130	12/12/19 06:36	
Dibromofluoromethane (S)	%	107	70-130	12/12/19 06:36	
Toluene-d8 (S)	%	101	70-130	12/12/19 06:36	

LABORATORY CONTROL SAMPLE: 1992529

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.9	104	70-130	
1,1,2-Trichloroethane	ug/L	50	52.8	106	70-130	
1,1-Dichloroethane	ug/L	50	51.2	102	73-150	
1,1-Dichloroethene	ug/L	50	41.4	83	73-138	
1,2-Dichloroethane	ug/L	50	51.3	103	75-140	
cis-1,2-Dichloroethene	ug/L	50	47.1	94	70-130	
Tetrachloroethene	ug/L	50	51.7	103	70-130	
trans-1,2-Dichloroethene	ug/L	50	46.1	92	73-145	
Trichloroethene	ug/L	50	54.6	109	70-130	
Vinyl chloride	ug/L	50	32.4	65	51-120	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			103	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1992801 1992802

Parameter	Units	40200614004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.24	50	50	52.2	53.6	104	107	70-130	3	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	52.1	53.0	104	106	70-137	2	20	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 11717 NAVISTAR
Pace Project No.: 40200614

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1992801 1992802

Parameter	Units	40200614004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethane	ug/L	<0.27	50	50	50.6	51.8	101	104	73-153	2	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	41.2	42.1	82	84	73-138	2	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	50.4	51.3	101	103	75-140	2	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	47.1	48.2	94	96	70-131	2	20	
Tetrachloroethene	ug/L	<0.33	50	50	52.0	53.0	104	106	70-130	2	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	46.1	47.1	92	94	73-148	2	20	
Trichloroethene	ug/L	0.63J	50	50	55.1	56.5	109	112	70-130	2	20	
Vinyl chloride	ug/L	<0.17	50	50	31.8	32.4	64	65	41-129	2	20	
4-Bromofluorobenzene (S)	%						102	103	70-130			
Dibromofluoromethane (S)	%						102	102	70-130			
Toluene-d8 (S)	%						101	100	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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 11717 NAVISTAR
Pace Project No.: 40200614

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.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 11717 NAVISTAR
Pace Project No.: 40200614

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40200614001	**NMW-3R**	EPA 8260	343172		
40200614002	**NMW-4**	EPA 8260	343172		
40200614003	**MW-29**	EPA 8260	343172		
40200614004	**MW-29D**	EPA 8260	343172		
40200614005	**MW-36**	EPA 8260	343172		
40200614006	**MW-37**	EPA 8260	343172		
40200614007	**MW-47**	EPA 8260	343172		
40200614008	**MW-46**	EPA 8260	343172		
40200614009	**MW-38**	EPA 8260	343172		
40200614010	**MW-55**	EPA 8260	343172		
40200614011	**HOBO SPRING**	EPA 8260	343172		
40200614012	**CREEK DOWNSTREAM**	EPA 8260	343172		
40200614013	**CREEK UPSTREAM**	EPA 8260	343172		
40200614014	**MW-45**	EPA 8260	343172		

(Please Print Clearly)

Company Name:	KPRG
Branch/Location:	Brookfield, WI
Project Contact:	Rich Gnat
Phone:	262-781-0475
Project Number:	11717
Project Name:	Navistar
Project State:	WI
Sampled By (Print):	Mitchel Dolan
Sampled By (Sign):	[signature]
PO #:	
Regulatory Program:	

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www.pacelabs.com

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

BR

40200614

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

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

FILTERED? (YES/NO) — Y/N: N
PRESERVATION (CODE)* — Pick Letter: B
Analyses Requested: CVOC's

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, B = Biota, C = Charcoal, O = Oil, S = Soil, Sl = Sludge
W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	CVOC's	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	NMW-3R	12/6	0920	GW	X			
~~002~~ (Open/Spilt)	MW-4	12/6	1203	GW	X			
~~003~~	MW-29	12/6	1315	GW	X			
~~004~~	MW-29D	12/6	1242	GW	X			
002 ~~005~~	NMW-4	12/6	1505	GW	X			
005 ~~006~~	MW-36	12/9	1040	GW	X			
006 ~~007~~	MW-37	12/9	1116	GW	X			
007 ~~008~~	MW-47	12/9	1214	GW	X			
008 ~~009~~	MW-46	12/9	1246	GW	X			
009 ~~010~~	MW-38	12/9	1334	GW	X			
010 ~~011~~	MW-55	12/9	1353	GW	X			
011 ~~012~~	HUBO SPRING	12/9	1455	SW	X			
012 ~~013~~	CREEK-DOWNSTREAM	12/9	1505	SW	X			

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed: 12/11/19

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

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	12/10/19 11:36	Mary Fannin	12/10/19 11:36
Mary Fannin	12/10/19 1409		
CS Registres	12/11/19 0845	Susan K Wheeler	12/11/19 0845

PACE Project No. 40200614

Receipt Temp = ROI °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

ORIGINAL

(Please Print Clearly)

Company Name:	KPRG
Branch/Location:	Brookfield, WI
Project Contact:	Rich Gnat
Phone:	262-781-0475
Project Number:	11717
Project Name:	Navistar
Project State:	WI
Sampled By (Print):	Mitchel Dolan
Sampled By (Sign):	[signature]
PO #:	
Regulatory Program:	

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UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page ~~1~~ 2 of 2

40200614

CHAIN OF COUSTODY

*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

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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
Sl = Sludge WP = Wipe

FILTERED? (YES/NO) — Y/N: N
PRESERVATION (CODE)* — Pick Letter: B
Analyses Requested: CVOC's

	PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	CVOC's	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
013	~~014~~	CREEK UPSTREAM	12/9	1600	SW	X			
014		MW4S5 ①	12/6/19	1148					

① In shipment Lab added to COC 12/11/19 SU

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

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	12/10/19 11:36	Mary Farmi	12/10/19 11:36
Mary Farmi	12/10/19 1405		
C Augustus	12/11/19 0845	Susan Ulfig Pace	12-11-19 0845

PACE Project No.

Receipt Temp = ROI °C

Sample Receipt pH
OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

C019a(27Jun2006)

Version 6.0 06/14/06

ORIGINAL

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Sample Preservation Receipt Form

Client Name: KPRG Project # 40200164

All containers needing preservation have been checked and noted below: □Yes □No □N/A

Lab Lot# of pH paper: Lab Std #ID of preservation (if pH adjusted): Initial when completed: Date/ Time:

Pace Lab #	Glass							Plastic							Vials						Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN							
001																		3															2.5 / 5 / 10
002																		3															2.5 / 5 / 10
003																		3															2.5 / 5 / 10
004																		3															2.5 / 5 / 10
005																		3															2.5 / 5 / 10
006																		3															2.5 / 5 / 10
007																		3															2.5 / 5 / 10
008																		3															2.5 / 5 / 10
009																		3															2.5 / 5 / 10
010																		3															2.5 / 5 / 10
011																		3															2.5 / 5 / 10
012																		3															2.5 / 5 / 10
013																		3															2.5 / 5 / 10
014																		3															2.5 / 5 / 10
015																																	2.5 / 5 / 10
016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																											2/11/19	SK					2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : □Yes □No □N/A ***If yes look in headspace column**

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3B	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

Pace Analytical™ 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 25Apr2018
	Document No.: F-GB-C-031-Rev.07	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: KPRG

Project #: WO#: 40200614

40200614

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

Tracking #: _____

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 - N/A **Type of Ice:** (Wet) Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: RO I Corr: _____

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.

Person examining contents:
Date: 12-11-19 SW
Initials: _____

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☑No ☐N/A	2. No Mail Invoice 014 In 12-11-19 SW
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3. Shipment Lab added to COC.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7. SW 12/11/19
Sufficient Volume: For Analysis: ☐Yes ☑No MS/MSD: ☐Yes ☐No ☐N/A		8. No Volume for MW4. 12-11-19 SW
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: W	☑Yes ☐No ☐N/A	12.
Trip Blank Present:	☐Yes ☑No ☐N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☑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: _____

Project Manager Review: ~~KMR~~ KMR for DH 12/10/19 KMR **Date:** 12/11/19

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

December 20, 2019

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

RE: Project: 11717 NAVISTAR
Pace Project No.: 40200826

Dear Rich Gnat:
Enclosed are the analytical results for sample(s) received by the laboratory on December 14, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40200826001	MW-24D	Water	12/11/19 15:23	12/14/19 08:25
40200826002	MW-23	Water	12/11/19 15:53	12/14/19 08:25
40200826003	MW-24	Water	12/11/19 14:44	12/14/19 08:25
40200826004	MW-15	Water	12/11/19 14:03	12/14/19 08:25
40200826005	MW-9D2	Water	12/11/19 13:10	12/14/19 08:25
40200826006	MW-9D	Water	12/11/19 12:36	12/14/19 08:25
40200826007	NMW-9	Water	12/11/19 12:06	12/14/19 08:25
40200826008	MW-54	Water	12/11/19 11:08	12/14/19 08:25
40200826009	MW-53	Water	12/11/19 10:25	12/14/19 08:25
40200826010	MW-26	Water	12/11/19 09:57	12/14/19 08:25
40200826011	MW-25	Water	12/11/19 09:19	12/14/19 08:25
40200826012	MW-42	Water	12/10/19 15:46	12/14/19 08:25
40200826013	MW-39	Water	12/10/19 15:12	12/14/19 08:25
40200826014	MW-27	Water	12/10/19 14:37	12/14/19 08:25
40200826015	MW-50	Water	12/10/19 13:58	12/14/19 08:25
40200826016	MW-51	Water	12/10/19 13:18	12/14/19 08:25
40200826017	MW-52	Water	12/10/19 12:48	12/14/19 08:25
40200826018	MW-49	Water	12/10/19 11:48	12/14/19 08:25
40200826019	MW-41	Water	12/10/19 11:20	12/14/19 08:25
40200826020	MW-48	Water	12/10/19 10:43	12/14/19 08:25
40200826021	MW-40	Water	12/10/19 09:54	12/14/19 08:25
40200826022	MW-35	Water	12/10/19 09:12	12/14/19 08:25
40200826023	DUPLICATE 2	Water	12/11/19 00:00	12/14/19 08:25
40200826024	DUPLICATE 1	Water	12/10/19 00:00	12/14/19 08:25
40200826025	MW-34	Water	12/12/19 16:05	12/14/19 08:25
40200826026	MW-32	Water	12/12/19 15:36	12/14/19 08:25
40200826027	MW-33	Water	12/12/19 14:57	12/14/19 08:25
40200826028	MW-30	Water	12/12/19 14:04	12/14/19 08:25
40200826029	MW-31	Water	12/12/19 13:17	12/14/19 08:25
40200826030	NMW-1	Water	12/12/19 12:01	12/14/19 08:25
40200826031	NMW-7	Water	12/12/19 11:16	12/14/19 08:25
40200826032	NMW-8R	Water	12/12/19 10:33	12/14/19 08:25
40200826033	MW-43	Water	12/12/19 10:06	12/14/19 08:25
40200826034	MW-44	Water	12/12/19 09:09	12/14/19 08:25
40200826035	DUPLICATE 3	Water	12/12/19 00:00	12/14/19 08:25
40200826036	MW-11	Water	12/13/19 10:04	12/14/19 08:25
40200826037	MW-13	Water	12/13/19 09:30	12/14/19 08:25

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40200826038	**TRIP BLANK**	Water	12/13/19 00:00	12/14/19 08:25

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40200826001	MW-24D	EPA 8260	HNW	13	PASI-G
40200826002	MW-23	EPA 8260	HNW	13	PASI-G
40200826003	MW-24	EPA 8260	HNW	13	PASI-G
40200826004	MW-15	EPA 8260	HNW	13	PASI-G
40200826005	MW-9D2	EPA 8260	HNW	13	PASI-G
40200826006	MW-9D	EPA 8260	HNW	13	PASI-G
40200826007	NMW-9	EPA 8260	HNW	13	PASI-G
40200826008	MW-54	EPA 8260	HNW	13	PASI-G
40200826009	MW-53	EPA 8260	HNW	13	PASI-G
40200826010	MW-26	EPA 8260	HNW	13	PASI-G
40200826011	MW-25	EPA 8260	HNW	13	PASI-G
40200826012	MW-42	EPA 8260	SMT	13	PASI-G
40200826013	MW-39	EPA 8260	SMT	13	PASI-G
40200826014	MW-27	EPA 8260	HNW	13	PASI-G
40200826015	MW-50	EPA 8260	HNW	13	PASI-G
40200826016	MW-51	EPA 8260	HNW	13	PASI-G
40200826017	MW-52	EPA 8260	HNW	13	PASI-G
40200826018	MW-49	EPA 8260	HNW	13	PASI-G
40200826019	MW-41	EPA 8260	HNW	13	PASI-G
40200826020	MW-48	EPA 8260	HNW	13	PASI-G
40200826021	MW-40	EPA 8260	HNW	13	PASI-G
40200826022	MW-35	EPA 8260	HNW	13	PASI-G
40200826023	DUPLICATE 2	EPA 8260	HNW	13	PASI-G
40200826024	DUPLICATE 1	EPA 8260	HNW	13	PASI-G
40200826025	MW-34	EPA 8260	HNW	13	PASI-G
40200826026	MW-32	EPA 8260	HNW	13	PASI-G
40200826027	MW-33	EPA 8260	HNW	13	PASI-G
40200826028	MW-30	EPA 8260	HNW	13	PASI-G
40200826029	MW-31	EPA 8260	HNW	13	PASI-G
40200826030	NMW-1	EPA 8260	HNW	13	PASI-G
40200826031	NMW-7	EPA 8260	HNW	13	PASI-G
40200826032	NMW-8R	EPA 8260	HNW	13	PASI-G
40200826033	MW-43	EPA 8260	HNW	13	PASI-G
40200826034	MW-44	EPA 8260	HNW	13	PASI-G
40200826035	DUPLICATE 3	EPA 8260	HNW	13	PASI-G
40200826036	MW-11	EPA 8260	HNW	13	PASI-G
40200826037	MW-13	EPA 8260	HNW	13	PASI-G

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SAMPLE ANALYTE COUNT

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40200826038	**TRIP BLANK**	EPA 8260	HNW	13	PASI-G

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SUMMARY OF DETECTION

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40200826001	**MW-24D**					
EPA 8260	Trichloroethene	2.0	ug/L	1.0	12/17/19 16:49	
EPA 8260	Vinyl chloride	0.28J	ug/L	1.0	12/17/19 16:49	
EPA 8260	cis-1,2-Dichloroethene	7.5	ug/L	1.0	12/17/19 16:49	
40200826002	**MW-23**					
EPA 8260	1,1,1-Trichloroethane	7.3	ug/L	1.0	12/17/19 11:22	
EPA 8260	1,1-Dichloroethane	2.9	ug/L	1.0	12/17/19 11:22	
EPA 8260	1,1-Dichloroethene	1.7	ug/L	1.0	12/17/19 11:22	
EPA 8260	Trichloroethene	117	ug/L	1.0	12/17/19 11:22	
EPA 8260	cis-1,2-Dichloroethene	7.4	ug/L	1.0	12/17/19 11:22	
40200826003	**MW-24**					
EPA 8260	1,1,1-Trichloroethane	121	ug/L	25.0	12/17/19 08:44	
EPA 8260	1,1-Dichloroethane	47.2	ug/L	25.0	12/17/19 08:44	
EPA 8260	1,1-Dichloroethene	17.3J	ug/L	25.0	12/17/19 08:44	
EPA 8260	Trichloroethene	1720	ug/L	25.0	12/17/19 08:44	
EPA 8260	cis-1,2-Dichloroethene	23.4J	ug/L	25.0	12/17/19 08:44	
40200826004	**MW-15**					
EPA 8260	1,1,1-Trichloroethane	20.5	ug/L	5.0	12/17/19 09:54	
EPA 8260	1,1-Dichloroethane	14.6	ug/L	5.0	12/17/19 09:54	
EPA 8260	1,1-Dichloroethene	4.2J	ug/L	5.0	12/17/19 09:54	
EPA 8260	Trichloroethene	433	ug/L	5.0	12/17/19 09:54	
EPA 8260	cis-1,2-Dichloroethene	36.2	ug/L	5.0	12/17/19 09:54	
40200826005	**MW-9D2**					
EPA 8260	Trichloroethene	2.2	ug/L	1.0	12/17/19 17:16	
40200826006	**MW-9D**					
EPA 8260	1,1,1-Trichloroethane	24.2	ug/L	5.0	12/17/19 10:16	
EPA 8260	1,1-Dichloroethane	17.2	ug/L	5.0	12/17/19 10:16	
EPA 8260	1,1-Dichloroethene	5.2	ug/L	5.0	12/17/19 10:16	
EPA 8260	Trichloroethene	489	ug/L	5.0	12/17/19 10:16	
EPA 8260	cis-1,2-Dichloroethene	33.3	ug/L	5.0	12/17/19 10:16	
40200826007	**NMW-9**					
EPA 8260	Trichloroethene	12.3	ug/L	1.0	12/17/19 17:37	
EPA 8260	cis-1,2-Dichloroethene	0.62J	ug/L	1.0	12/17/19 17:37	
40200826008	**MW-54**					
EPA 8260	Trichloroethene	0.28J	ug/L	1.0	12/17/19 13:28	
40200826010	**MW-26**					
EPA 8260	1,1,1-Trichloroethane	2.0	ug/L	1.0	12/17/19 11:20	
EPA 8260	1,1-Dichloroethane	1.9	ug/L	1.0	12/17/19 11:20	
EPA 8260	1,1-Dichloroethene	0.55J	ug/L	1.0	12/17/19 11:20	
EPA 8260	Trichloroethene	52.6	ug/L	1.0	12/17/19 11:20	
EPA 8260	cis-1,2-Dichloroethene	3.3	ug/L	1.0	12/17/19 11:20	
40200826012	**MW-42**					
EPA 8260	1,1,1-Trichloroethane	60.8	ug/L	1.0	12/17/19 15:50	

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SUMMARY OF DETECTION

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40200826012	**MW-42**					
EPA 8260	1,1-Dichloroethane	17.3	ug/L	1.0	12/17/19 15:50	
EPA 8260	1,1-Dichloroethene	7.4	ug/L	1.0	12/17/19 15:50	
EPA 8260	Trichloroethene	272	ug/L	4.0	12/17/19 17:40	
EPA 8260	Vinyl chloride	0.44J	ug/L	1.0	12/17/19 15:50	
EPA 8260	cis-1,2-Dichloroethene	4.1	ug/L	1.0	12/17/19 15:50	
40200826013	**MW-39**					
EPA 8260	Trichloroethene	1.7	ug/L	1.0	12/17/19 15:26	
40200826014	**MW-27**					
EPA 8260	1,1-Dichloroethane	0.77J	ug/L	1.0	12/17/19 12:29	
EPA 8260	Trichloroethene	0.26J	ug/L	1.0	12/17/19 12:29	
40200826015	**MW-50**					
EPA 8260	1,1,1-Trichloroethane	5.0	ug/L	1.0	12/17/19 11:44	
EPA 8260	1,1-Dichloroethane	1.7	ug/L	1.0	12/17/19 11:44	
EPA 8260	1,1-Dichloroethene	0.67J	ug/L	1.0	12/17/19 11:44	
EPA 8260	Trichloroethene	35.5	ug/L	1.0	12/17/19 11:44	
40200826017	**MW-52**					
EPA 8260	1,1,1-Trichloroethane	0.58J	ug/L	1.0	12/17/19 12:52	
EPA 8260	1,1-Dichloroethane	0.42J	ug/L	1.0	12/17/19 12:52	
EPA 8260	Trichloroethene	7.3	ug/L	1.0	12/17/19 12:52	
40200826018	**MW-49**					
EPA 8260	1,1,1-Trichloroethane	6.1	ug/L	1.0	12/17/19 13:14	
EPA 8260	1,1-Dichloroethane	1.4	ug/L	1.0	12/17/19 13:14	
EPA 8260	1,1-Dichloroethene	0.57J	ug/L	1.0	12/17/19 13:14	
EPA 8260	Trichloroethene	31.4	ug/L	1.0	12/17/19 13:14	
40200826019	**MW-41**					
EPA 8260	1,1,1-Trichloroethane	38.5	ug/L	1.0	12/17/19 10:59	
EPA 8260	1,1-Dichloroethane	12.4	ug/L	1.0	12/17/19 10:59	
EPA 8260	1,1-Dichloroethene	4.1	ug/L	1.0	12/17/19 10:59	
EPA 8260	Trichloroethene	235	ug/L	1.0	12/17/19 10:59	
EPA 8260	cis-1,2-Dichloroethene	8.6	ug/L	1.0	12/17/19 10:59	
40200826020	**MW-48**					
EPA 8260	Trichloroethene	1.1	ug/L	1.0	12/17/19 13:37	
40200826021	**MW-40**					
EPA 8260	1,1,1-Trichloroethane	29.6	ug/L	2.0	12/17/19 09:07	
EPA 8260	1,1-Dichloroethane	9.1	ug/L	2.0	12/17/19 09:07	
EPA 8260	1,1-Dichloroethene	3.1	ug/L	2.0	12/17/19 09:07	
EPA 8260	Trichloroethene	192	ug/L	2.0	12/17/19 09:07	
EPA 8260	cis-1,2-Dichloroethene	6.5	ug/L	2.0	12/17/19 09:07	
40200826022	**MW-35**					
EPA 8260	1,1,1-Trichloroethane	56.1	ug/L	2.5	12/17/19 09:29	
EPA 8260	1,1-Dichloroethane	18.4	ug/L	2.5	12/17/19 09:29	
EPA 8260	1,1-Dichloroethene	5.8	ug/L	2.5	12/17/19 09:29	

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SUMMARY OF DETECTION

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40200826022	**MW-35**					
EPA 8260	Trichloroethene	409	ug/L	2.5	12/17/19 09:29	
EPA 8260	cis-1,2-Dichloroethene	8.5	ug/L	2.5	12/17/19 09:29	
40200826023	**DUPLICATE 2**					
EPA 8260	1,1,1-Trichloroethane	6.2	ug/L	1.0	12/17/19 11:41	
EPA 8260	1,1-Dichloroethane	3.1	ug/L	1.0	12/17/19 11:41	
EPA 8260	1,1-Dichloroethene	1.5	ug/L	1.0	12/17/19 11:41	
EPA 8260	Trichloroethene	104	ug/L	1.0	12/17/19 11:41	
EPA 8260	cis-1,2-Dichloroethene	7.3	ug/L	1.0	12/17/19 11:41	
40200826024	**DUPLICATE 1**					
EPA 8260	1,1,1-Trichloroethane	4.7	ug/L	1.0	12/17/19 16:26	
EPA 8260	1,1-Dichloroethane	1.6	ug/L	1.0	12/17/19 16:26	
EPA 8260	1,1-Dichloroethene	0.83J	ug/L	1.0	12/17/19 16:26	
EPA 8260	Trichloroethene	33.3	ug/L	1.0	12/17/19 16:26	
EPA 8260	cis-1,2-Dichloroethene	0.35J	ug/L	1.0	12/17/19 16:26	
40200826026	**MW-32**					
EPA 8260	Trichloroethene	0.32J	ug/L	1.0	12/18/19 15:43	
EPA 8260	Vinyl chloride	0.54J	ug/L	1.0	12/18/19 15:43	
EPA 8260	cis-1,2-Dichloroethene	3.1	ug/L	1.0	12/18/19 15:43	
40200826027	**MW-33**					
EPA 8260	Trichloroethene	1.5	ug/L	1.0	12/18/19 16:04	
EPA 8260	Vinyl chloride	0.36J	ug/L	1.0	12/18/19 16:04	
EPA 8260	cis-1,2-Dichloroethene	4.6	ug/L	1.0	12/18/19 16:04	
EPA 8260	trans-1,2-Dichloroethene	8.3	ug/L	3.6	12/18/19 16:04	
40200826028	**MW-30**					
EPA 8260	1,1,1-Trichloroethane	247	ug/L	50.0	12/18/19 13:56	
EPA 8260	1,1-Dichloroethane	113	ug/L	50.0	12/18/19 13:56	
EPA 8260	1,1-Dichloroethene	62.2	ug/L	50.0	12/18/19 13:56	
EPA 8260	Trichloroethene	3380	ug/L	50.0	12/18/19 13:56	
EPA 8260	cis-1,2-Dichloroethene	27.6J	ug/L	50.0	12/18/19 13:56	
40200826029	**MW-31**					
EPA 8260	Trichloroethene	1.3	ug/L	1.0	12/18/19 17:36	
40200826030	**NMW-1**					
EPA 8260	1,1,1-Trichloroethane	42.4	ug/L	2.5	12/18/19 14:17	
EPA 8260	1,1-Dichloroethane	15.6	ug/L	2.5	12/18/19 14:17	
EPA 8260	1,1-Dichloroethene	4.3	ug/L	2.5	12/18/19 14:17	
EPA 8260	Trichloroethene	278	ug/L	2.5	12/18/19 14:17	
EPA 8260	cis-1,2-Dichloroethene	2.8	ug/L	2.5	12/18/19 14:17	
40200826031	**NMW-7**					
EPA 8260	1,1,1-Trichloroethane	11.4	ug/L	1.0	12/18/19 17:57	
EPA 8260	1,1-Dichloroethane	4.1	ug/L	1.0	12/18/19 17:57	
EPA 8260	1,1-Dichloroethene	1.4	ug/L	1.0	12/18/19 17:57	
EPA 8260	Trichloroethene	88.9	ug/L	1.0	12/18/19 17:57	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40200826031	**NMW-7**					
EPA 8260	cis-1,2-Dichloroethene	1.5	ug/L	1.0	12/18/19 17:57	
40200826032	**NMW-8R**					
EPA 8260	1,1,1-Trichloroethane	33.0	ug/L	2.0	12/18/19 14:39	
EPA 8260	1,1-Dichloroethane	12.9	ug/L	2.0	12/18/19 14:39	
EPA 8260	1,1-Dichloroethene	3.9	ug/L	2.0	12/18/19 14:39	
EPA 8260	Trichloroethene	228	ug/L	2.0	12/18/19 14:39	
EPA 8260	cis-1,2-Dichloroethene	2.6	ug/L	2.0	12/18/19 14:39	
40200826033	**MW-43**					
EPA 8260	1,1,1-Trichloroethane	0.38J	ug/L	1.0	12/18/19 18:19	
EPA 8260	1,1-Dichloroethane	0.93J	ug/L	1.0	12/18/19 18:19	
EPA 8260	1,1-Dichloroethene	0.42J	ug/L	1.0	12/18/19 18:19	
EPA 8260	Trichloroethene	12.8	ug/L	1.0	12/18/19 18:19	
EPA 8260	Vinyl chloride	1.7	ug/L	1.0	12/18/19 18:19	
EPA 8260	cis-1,2-Dichloroethene	14.7	ug/L	1.0	12/18/19 18:19	
40200826035	**DUPLICATE 3**					
EPA 8260	Trichloroethene	1.6	ug/L	1.0	12/18/19 19:02	
EPA 8260	cis-1,2-Dichloroethene	0.34J	ug/L	1.0	12/18/19 19:02	
40200826036	**MW-11**					
EPA 8260	1,1,1-Trichloroethane	10.8	ug/L	2.5	12/18/19 15:00	
EPA 8260	1,1-Dichloroethane	6.9	ug/L	2.5	12/18/19 15:00	
EPA 8260	1,1-Dichloroethene	1.9J	ug/L	2.5	12/18/19 15:00	
EPA 8260	Trichloroethene	275	ug/L	2.5	12/18/19 15:00	
EPA 8260	cis-1,2-Dichloroethene	12.3	ug/L	2.5	12/18/19 15:00	
40200826037	**MW-13**					
EPA 8260	1,1,1-Trichloroethane	16.9	ug/L	5.0	12/20/19 00:55	
EPA 8260	1,1-Dichloroethane	14.8	ug/L	5.0	12/20/19 00:55	
EPA 8260	1,1-Dichloroethene	2.3J	ug/L	5.0	12/20/19 00:55	
EPA 8260	Trichloroethene	413	ug/L	5.0	12/20/19 00:55	
EPA 8260	cis-1,2-Dichloroethene	35.6	ug/L	5.0	12/20/19 00:55	

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: MW-24D **Lab ID: 40200826001** Collected: 12/11/19 15:23 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		12/17/19 16:49	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/17/19 16:49	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		12/17/19 16:49	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/17/19 16:49	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/17/19 16:49	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/17/19 16:49	127-18-4	
Trichloroethene	**2.0**	ug/L	1.0	0.26	1		12/17/19 16:49	79-01-6	
Vinyl chloride	**0.28J**	ug/L	1.0	0.17	1		12/17/19 16:49	75-01-4	
cis-1,2-Dichloroethene	**7.5**	ug/L	1.0	0.27	1		12/17/19 16:49	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/17/19 16:49	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		12/17/19 16:49	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		12/17/19 16:49	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		12/17/19 16:49	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: MW-23 **Lab ID: 40200826002** Collected: 12/11/19 15:53 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**7.3**	ug/L	1.0	0.24	1		12/17/19 11:22	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/17/19 11:22	79-00-5	
1,1-Dichloroethane	**2.9**	ug/L	1.0	0.27	1		12/17/19 11:22	75-34-3	
1,1-Dichloroethene	**1.7**	ug/L	1.0	0.24	1		12/17/19 11:22	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/17/19 11:22	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/17/19 11:22	127-18-4	
Trichloroethene	**117**	ug/L	1.0	0.26	1		12/17/19 11:22	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/17/19 11:22	75-01-4	
cis-1,2-Dichloroethene	**7.4**	ug/L	1.0	0.27	1		12/17/19 11:22	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/17/19 11:22	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		12/17/19 11:22	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		12/17/19 11:22	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		12/17/19 11:22	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: MW-24 **Lab ID: 40200826003** Collected: 12/11/19 14:44 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**121**	ug/L	25.0	6.1	25		12/17/19 08:44	71-55-6	
1,1,2-Trichloroethane	**<13.8**	ug/L	125	13.8	25		12/17/19 08:44	79-00-5	
1,1-Dichloroethane	**47.2**	ug/L	25.0	6.8	25		12/17/19 08:44	75-34-3	
1,1-Dichloroethene	**17.3J**	ug/L	25.0	6.1	25		12/17/19 08:44	75-35-4	
1,2-Dichloroethane	**<7.0**	ug/L	25.0	7.0	25		12/17/19 08:44	107-06-2	
Tetrachloroethene	**<8.2**	ug/L	27.2	8.2	25		12/17/19 08:44	127-18-4	
Trichloroethene	**1720**	ug/L	25.0	6.4	25		12/17/19 08:44	79-01-6	
Vinyl chloride	**<4.4**	ug/L	25.0	4.4	25		12/17/19 08:44	75-01-4	
cis-1,2-Dichloroethene	**23.4J**	ug/L	25.0	6.8	25		12/17/19 08:44	156-59-2	
trans-1,2-Dichloroethene	**<27.3**	ug/L	90.9	27.3	25		12/17/19 08:44	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		25		12/17/19 08:44	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		25		12/17/19 08:44	1868-53-7	
Toluene-d8 (S)	100	%	70-130		25		12/17/19 08:44	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: MW-15 **Lab ID: 40200826004** Collected: 12/11/19 14:03 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**20.5**	ug/L	5.0	1.2	5		12/17/19 09:54	71-55-6	
1,1,2-Trichloroethane	**<2.8**	ug/L	25.0	2.8	5		12/17/19 09:54	79-00-5	
1,1-Dichloroethane	**14.6**	ug/L	5.0	1.4	5		12/17/19 09:54	75-34-3	
1,1-Dichloroethene	**4.2J**	ug/L	5.0	1.2	5		12/17/19 09:54	75-35-4	
1,2-Dichloroethane	**<1.4**	ug/L	5.0	1.4	5		12/17/19 09:54	107-06-2	
Tetrachloroethene	**<1.6**	ug/L	5.4	1.6	5		12/17/19 09:54	127-18-4	
Trichloroethene	**433**	ug/L	5.0	1.3	5		12/17/19 09:54	79-01-6	
Vinyl chloride	**<0.87**	ug/L	5.0	0.87	5		12/17/19 09:54	75-01-4	
cis-1,2-Dichloroethene	**36.2**	ug/L	5.0	1.4	5		12/17/19 09:54	156-59-2	
trans-1,2-Dichloroethene	**<5.5**	ug/L	18.2	5.5	5		12/17/19 09:54	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		5		12/17/19 09:54	460-00-4	
Dibromofluoromethane (S)	93	%	70-130		5		12/17/19 09:54	1868-53-7	
Toluene-d8 (S)	94	%	70-130		5		12/17/19 09:54	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: MW-9D2 **Lab ID: 40200826005** Collected: 12/11/19 13:10 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		12/17/19 17:16	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/17/19 17:16	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		12/17/19 17:16	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/17/19 17:16	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/17/19 17:16	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/17/19 17:16	127-18-4	
Trichloroethene	**2.2**	ug/L	1.0	0.26	1		12/17/19 17:16	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/17/19 17:16	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		12/17/19 17:16	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/17/19 17:16	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		12/17/19 17:16	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		12/17/19 17:16	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/17/19 17:16	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: MW-9D **Lab ID: 40200826006** Collected: 12/11/19 12:36 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**24.2**	ug/L	5.0	1.2	5		12/17/19 10:16	71-55-6	
1,1,2-Trichloroethane	**<2.8**	ug/L	25.0	2.8	5		12/17/19 10:16	79-00-5	
1,1-Dichloroethane	**17.2**	ug/L	5.0	1.4	5		12/17/19 10:16	75-34-3	
1,1-Dichloroethene	**5.2**	ug/L	5.0	1.2	5		12/17/19 10:16	75-35-4	
1,2-Dichloroethane	**<1.4**	ug/L	5.0	1.4	5		12/17/19 10:16	107-06-2	
Tetrachloroethene	**<1.6**	ug/L	5.4	1.6	5		12/17/19 10:16	127-18-4	
Trichloroethene	**489**	ug/L	5.0	1.3	5		12/17/19 10:16	79-01-6	
Vinyl chloride	**<0.87**	ug/L	5.0	0.87	5		12/17/19 10:16	75-01-4	
cis-1,2-Dichloroethene	**33.3**	ug/L	5.0	1.4	5		12/17/19 10:16	156-59-2	
trans-1,2-Dichloroethene	**<5.5**	ug/L	18.2	5.5	5		12/17/19 10:16	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		5		12/17/19 10:16	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		5		12/17/19 10:16	1868-53-7	
Toluene-d8 (S)	96	%	70-130		5		12/17/19 10:16	2037-26-5	

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: NMW-9 **Lab ID: 40200826007** Collected: 12/11/19 12:06 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		12/17/19 17:37	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/17/19 17:37	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		12/17/19 17:37	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/17/19 17:37	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/17/19 17:37	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/17/19 17:37	127-18-4	
Trichloroethene	**12.3**	ug/L	1.0	0.26	1		12/17/19 17:37	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/17/19 17:37	75-01-4	
cis-1,2-Dichloroethene	**0.62J**	ug/L	1.0	0.27	1		12/17/19 17:37	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/17/19 17:37	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		12/17/19 17:37	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		12/17/19 17:37	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/17/19 17:37	2037-26-5	

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: MW-54 **Lab ID: 40200826008** Collected: 12/11/19 11:08 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		12/17/19 13:28	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/17/19 13:28	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		12/17/19 13:28	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/17/19 13:28	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/17/19 13:28	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/17/19 13:28	127-18-4	
Trichloroethene	**0.28J**	ug/L	1.0	0.26	1		12/17/19 13:28	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/17/19 13:28	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		12/17/19 13:28	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/17/19 13:28	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		12/17/19 13:28	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		12/17/19 13:28	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/17/19 13:28	2037-26-5	

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: MW-53 **Lab ID: 40200826009** Collected: 12/11/19 10:25 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		12/17/19 17:58	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/17/19 17:58	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		12/17/19 17:58	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/17/19 17:58	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/17/19 17:58	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/17/19 17:58	127-18-4	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		12/17/19 17:58	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/17/19 17:58	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		12/17/19 17:58	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/17/19 17:58	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		12/17/19 17:58	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		12/17/19 17:58	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/17/19 17:58	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: MW-26 **Lab ID: 40200826010** Collected: 12/11/19 09:57 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**2.0**	ug/L	1.0	0.24	1		12/17/19 11:20	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/17/19 11:20	79-00-5	
1,1-Dichloroethane	**1.9**	ug/L	1.0	0.27	1		12/17/19 11:20	75-34-3	
1,1-Dichloroethene	**0.55J**	ug/L	1.0	0.24	1		12/17/19 11:20	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/17/19 11:20	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/17/19 11:20	127-18-4	
Trichloroethene	**52.6**	ug/L	1.0	0.26	1		12/17/19 11:20	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/17/19 11:20	75-01-4	
cis-1,2-Dichloroethene	**3.3**	ug/L	1.0	0.27	1		12/17/19 11:20	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/17/19 11:20	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		12/17/19 11:20	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		12/17/19 11:20	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/17/19 11:20	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: MW-25 **Lab ID: 40200826011** Collected: 12/11/19 09:19 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		12/17/19 18:20	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/17/19 18:20	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		12/17/19 18:20	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/17/19 18:20	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/17/19 18:20	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/17/19 18:20	127-18-4	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		12/17/19 18:20	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/17/19 18:20	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		12/17/19 18:20	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/17/19 18:20	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		12/17/19 18:20	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		12/17/19 18:20	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/17/19 18:20	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: MW-42 **Lab ID: 40200826012** Collected: 12/10/19 15:46 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**60.8**	ug/L	1.0	0.24	1		12/17/19 15:50	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/17/19 15:50	79-00-5	
1,1-Dichloroethane	**17.3**	ug/L	1.0	0.27	1		12/17/19 15:50	75-34-3	
1,1-Dichloroethene	**7.4**	ug/L	1.0	0.24	1		12/17/19 15:50	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/17/19 15:50	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/17/19 15:50	127-18-4	
Trichloroethene	**272**	ug/L	4.0	1.0	4		12/17/19 17:40	79-01-6	
Vinyl chloride	**0.44J**	ug/L	1.0	0.17	1		12/17/19 15:50	75-01-4	
cis-1,2-Dichloroethene	**4.1**	ug/L	1.0	0.27	1		12/17/19 15:50	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/17/19 15:50	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		12/17/19 15:50	460-00-4	
Dibromofluoromethane (S)	121	%	70-130		1		12/17/19 15:50	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		12/17/19 15:50	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: MW-39 **Lab ID: 40200826013** Collected: 12/10/19 15:12 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		12/17/19 15:26	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/17/19 15:26	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		12/17/19 15:26	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/17/19 15:26	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/17/19 15:26	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/17/19 15:26	127-18-4	
Trichloroethene	**1.7**	ug/L	1.0	0.26	1		12/17/19 15:26	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/17/19 15:26	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		12/17/19 15:26	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/17/19 15:26	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		12/17/19 15:26	460-00-4	
Dibromofluoromethane (S)	120	%	70-130		1		12/17/19 15:26	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		12/17/19 15:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: MW-27 **Lab ID: 40200826014** Collected: 12/10/19 14:37 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		12/17/19 12:29	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/17/19 12:29	79-00-5	
1,1-Dichloroethane	**0.77J**	ug/L	1.0	0.27	1		12/17/19 12:29	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/17/19 12:29	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/17/19 12:29	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/17/19 12:29	127-18-4	
Trichloroethene	**0.26J**	ug/L	1.0	0.26	1		12/17/19 12:29	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/17/19 12:29	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		12/17/19 12:29	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/17/19 12:29	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		12/17/19 12:29	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		12/17/19 12:29	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		12/17/19 12:29	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: MW-50 **Lab ID: 40200826015** Collected: 12/10/19 13:58 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**5.0**	ug/L	1.0	0.24	1		12/17/19 11:44	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/17/19 11:44	79-00-5	
1,1-Dichloroethane	**1.7**	ug/L	1.0	0.27	1		12/17/19 11:44	75-34-3	
1,1-Dichloroethene	**0.67J**	ug/L	1.0	0.24	1		12/17/19 11:44	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/17/19 11:44	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/17/19 11:44	127-18-4	
Trichloroethene	**35.5**	ug/L	1.0	0.26	1		12/17/19 11:44	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/17/19 11:44	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		12/17/19 11:44	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/17/19 11:44	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		12/17/19 11:44	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		12/17/19 11:44	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		12/17/19 11:44	2037-26-5	

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: MW-51 **Lab ID: 40200826016** Collected: 12/10/19 13:18 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		12/17/19 12:07	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/17/19 12:07	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		12/17/19 12:07	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/17/19 12:07	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/17/19 12:07	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/17/19 12:07	127-18-4	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		12/17/19 12:07	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/17/19 12:07	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		12/17/19 12:07	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/17/19 12:07	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		12/17/19 12:07	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		12/17/19 12:07	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		12/17/19 12:07	2037-26-5	

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: MW-52 **Lab ID: 40200826017** Collected: 12/10/19 12:48 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**0.58J**	ug/L	1.0	0.24	1		12/17/19 12:52	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/17/19 12:52	79-00-5	
1,1-Dichloroethane	**0.42J**	ug/L	1.0	0.27	1		12/17/19 12:52	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/17/19 12:52	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/17/19 12:52	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/17/19 12:52	127-18-4	
Trichloroethene	**7.3**	ug/L	1.0	0.26	1		12/17/19 12:52	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/17/19 12:52	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		12/17/19 12:52	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/17/19 12:52	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		12/17/19 12:52	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		12/17/19 12:52	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		12/17/19 12:52	2037-26-5	

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: MW-49 **Lab ID: 40200826018** Collected: 12/10/19 11:48 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**6.1**	ug/L	1.0	0.24	1		12/17/19 13:14	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/17/19 13:14	79-00-5	
1,1-Dichloroethane	**1.4**	ug/L	1.0	0.27	1		12/17/19 13:14	75-34-3	
1,1-Dichloroethene	**0.57J**	ug/L	1.0	0.24	1		12/17/19 13:14	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/17/19 13:14	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/17/19 13:14	127-18-4	
Trichloroethene	**31.4**	ug/L	1.0	0.26	1		12/17/19 13:14	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/17/19 13:14	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		12/17/19 13:14	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/17/19 13:14	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		12/17/19 13:14	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		12/17/19 13:14	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		12/17/19 13:14	2037-26-5	

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: MW-41 **Lab ID: 40200826019** Collected: 12/10/19 11:20 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**38.5**	ug/L	1.0	0.24	1		12/17/19 10:59	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/17/19 10:59	79-00-5	
1,1-Dichloroethane	**12.4**	ug/L	1.0	0.27	1		12/17/19 10:59	75-34-3	
1,1-Dichloroethene	**4.1**	ug/L	1.0	0.24	1		12/17/19 10:59	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/17/19 10:59	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/17/19 10:59	127-18-4	
Trichloroethene	**235**	ug/L	1.0	0.26	1		12/17/19 10:59	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/17/19 10:59	75-01-4	
cis-1,2-Dichloroethene	**8.6**	ug/L	1.0	0.27	1		12/17/19 10:59	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/17/19 10:59	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		12/17/19 10:59	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		12/17/19 10:59	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		12/17/19 10:59	2037-26-5	

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: MW-48 **Lab ID: 40200826020** Collected: 12/10/19 10:43 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		12/17/19 13:37	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/17/19 13:37	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		12/17/19 13:37	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/17/19 13:37	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/17/19 13:37	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/17/19 13:37	127-18-4	
Trichloroethene	**1.1**	ug/L	1.0	0.26	1		12/17/19 13:37	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/17/19 13:37	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		12/17/19 13:37	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/17/19 13:37	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/17/19 13:37	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		12/17/19 13:37	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		12/17/19 13:37	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: MW-40 **Lab ID: 40200826021** Collected: 12/10/19 09:54 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**29.6**	ug/L	2.0	0.49	2		12/17/19 09:07	71-55-6	
1,1,2-Trichloroethane	**<1.1**	ug/L	10.0	1.1	2		12/17/19 09:07	79-00-5	
1,1-Dichloroethane	**9.1**	ug/L	2.0	0.55	2		12/17/19 09:07	75-34-3	
1,1-Dichloroethene	**3.1**	ug/L	2.0	0.49	2		12/17/19 09:07	75-35-4	
1,2-Dichloroethane	**<0.56**	ug/L	2.0	0.56	2		12/17/19 09:07	107-06-2	
Tetrachloroethene	**<0.65**	ug/L	2.2	0.65	2		12/17/19 09:07	127-18-4	
Trichloroethene	**192**	ug/L	2.0	0.51	2		12/17/19 09:07	79-01-6	
Vinyl chloride	**<0.35**	ug/L	2.0	0.35	2		12/17/19 09:07	75-01-4	
cis-1,2-Dichloroethene	**6.5**	ug/L	2.0	0.54	2		12/17/19 09:07	156-59-2	
trans-1,2-Dichloroethene	**<2.2**	ug/L	7.3	2.2	2		12/17/19 09:07	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		2		12/17/19 09:07	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		2		12/17/19 09:07	1868-53-7	
Toluene-d8 (S)	100	%	70-130		2		12/17/19 09:07	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: MW-35 **Lab ID: 40200826022** Collected: 12/10/19 09:12 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**56.1**	ug/L	2.5	0.61	2.5		12/17/19 09:29	71-55-6	
1,1,2-Trichloroethane	**<1.4**	ug/L	12.5	1.4	2.5		12/17/19 09:29	79-00-5	
1,1-Dichloroethane	**18.4**	ug/L	2.5	0.68	2.5		12/17/19 09:29	75-34-3	
1,1-Dichloroethene	**5.8**	ug/L	2.5	0.61	2.5		12/17/19 09:29	75-35-4	
1,2-Dichloroethane	**<0.70**	ug/L	2.5	0.70	2.5		12/17/19 09:29	107-06-2	
Tetrachloroethene	**<0.82**	ug/L	2.7	0.82	2.5		12/17/19 09:29	127-18-4	
Trichloroethene	**409**	ug/L	2.5	0.64	2.5		12/17/19 09:29	79-01-6	
Vinyl chloride	**<0.44**	ug/L	2.5	0.44	2.5		12/17/19 09:29	75-01-4	
cis-1,2-Dichloroethene	**8.5**	ug/L	2.5	0.68	2.5		12/17/19 09:29	156-59-2	
trans-1,2-Dichloroethene	**<2.7**	ug/L	9.1	2.7	2.5		12/17/19 09:29	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		2.5		12/17/19 09:29	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		2.5		12/17/19 09:29	1868-53-7	
Toluene-d8 (S)	99	%	70-130		2.5		12/17/19 09:29	2037-26-5	

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: DUPLICATE 2 **Lab ID: 40200826023** Collected: 12/11/19 00:00 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**6.2**	ug/L	1.0	0.24	1		12/17/19 11:41	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/17/19 11:41	79-00-5	
1,1-Dichloroethane	**3.1**	ug/L	1.0	0.27	1		12/17/19 11:41	75-34-3	
1,1-Dichloroethene	**1.5**	ug/L	1.0	0.24	1		12/17/19 11:41	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/17/19 11:41	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/17/19 11:41	127-18-4	
Trichloroethene	**104**	ug/L	1.0	0.26	1		12/17/19 11:41	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/17/19 11:41	75-01-4	
cis-1,2-Dichloroethene	**7.3**	ug/L	1.0	0.27	1		12/17/19 11:41	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/17/19 11:41	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		12/17/19 11:41	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		12/17/19 11:41	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/17/19 11:41	2037-26-5	

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: DUPLICATE 1 **Lab ID: 40200826024** Collected: 12/10/19 00:00 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**4.7**	ug/L	1.0	0.24	1		12/17/19 16:26	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/17/19 16:26	79-00-5	
1,1-Dichloroethane	**1.6**	ug/L	1.0	0.27	1		12/17/19 16:26	75-34-3	
1,1-Dichloroethene	**0.83J**	ug/L	1.0	0.24	1		12/17/19 16:26	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/17/19 16:26	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/17/19 16:26	127-18-4	
Trichloroethene	**33.3**	ug/L	1.0	0.26	1		12/17/19 16:26	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/17/19 16:26	75-01-4	
cis-1,2-Dichloroethene	**0.35J**	ug/L	1.0	0.27	1		12/17/19 16:26	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/17/19 16:26	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/17/19 16:26	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		12/17/19 16:26	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		12/17/19 16:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: MW-34 **Lab ID: 40200826025** Collected: 12/12/19 16:05 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		12/18/19 15:21	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/18/19 15:21	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		12/18/19 15:21	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/18/19 15:21	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/18/19 15:21	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/18/19 15:21	127-18-4	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		12/18/19 15:21	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/18/19 15:21	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		12/18/19 15:21	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/18/19 15:21	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		12/18/19 15:21	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		12/18/19 15:21	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/18/19 15:21	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: MW-32 **Lab ID: 40200826026** Collected: 12/12/19 15:36 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		12/18/19 15:43	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/18/19 15:43	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		12/18/19 15:43	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/18/19 15:43	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/18/19 15:43	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/18/19 15:43	127-18-4	
Trichloroethene	**0.32J**	ug/L	1.0	0.26	1		12/18/19 15:43	79-01-6	
Vinyl chloride	**0.54J**	ug/L	1.0	0.17	1		12/18/19 15:43	75-01-4	
cis-1,2-Dichloroethene	**3.1**	ug/L	1.0	0.27	1		12/18/19 15:43	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/18/19 15:43	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		12/18/19 15:43	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		12/18/19 15:43	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/18/19 15:43	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: MW-33 **Lab ID: 40200826027** Collected: 12/12/19 14:57 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		12/18/19 16:04	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/18/19 16:04	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		12/18/19 16:04	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/18/19 16:04	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/18/19 16:04	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/18/19 16:04	127-18-4	
Trichloroethene	**1.5**	ug/L	1.0	0.26	1		12/18/19 16:04	79-01-6	
Vinyl chloride	**0.36J**	ug/L	1.0	0.17	1		12/18/19 16:04	75-01-4	
cis-1,2-Dichloroethene	**4.6**	ug/L	1.0	0.27	1		12/18/19 16:04	156-59-2	
trans-1,2-Dichloroethene	**8.3**	ug/L	3.6	1.1	1		12/18/19 16:04	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		12/18/19 16:04	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1		12/18/19 16:04	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		12/18/19 16:04	2037-26-5	

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: MW-30 **Lab ID: 40200826028** Collected: 12/12/19 14:04 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**247**	ug/L	50.0	12.2	50		12/18/19 13:56	71-55-6	
1,1,2-Trichloroethane	**<27.6**	ug/L	250	27.6	50		12/18/19 13:56	79-00-5	
1,1-Dichloroethane	**113**	ug/L	50.0	13.6	50		12/18/19 13:56	75-34-3	
1,1-Dichloroethene	**62.2**	ug/L	50.0	12.2	50		12/18/19 13:56	75-35-4	
1,2-Dichloroethane	**<14.0**	ug/L	50.0	14.0	50		12/18/19 13:56	107-06-2	
Tetrachloroethene	**<16.3**	ug/L	54.4	16.3	50		12/18/19 13:56	127-18-4	
Trichloroethene	**3380**	ug/L	50.0	12.8	50		12/18/19 13:56	79-01-6	
Vinyl chloride	**<8.7**	ug/L	50.0	8.7	50		12/18/19 13:56	75-01-4	
cis-1,2-Dichloroethene	**27.6J**	ug/L	50.0	13.6	50		12/18/19 13:56	156-59-2	
trans-1,2-Dichloroethene	**<54.5**	ug/L	182	54.5	50		12/18/19 13:56	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		50		12/18/19 13:56	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		50		12/18/19 13:56	1868-53-7	
Toluene-d8 (S)	95	%	70-130		50		12/18/19 13:56	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: MW-31 **Lab ID: 40200826029** Collected: 12/12/19 13:17 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		12/18/19 17:36	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/18/19 17:36	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		12/18/19 17:36	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/18/19 17:36	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/18/19 17:36	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/18/19 17:36	127-18-4	
Trichloroethene	**1.3**	ug/L	1.0	0.26	1		12/18/19 17:36	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/18/19 17:36	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		12/18/19 17:36	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/18/19 17:36	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		12/18/19 17:36	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1		12/18/19 17:36	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/18/19 17:36	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: NMW-1 **Lab ID: 40200826030** Collected: 12/12/19 12:01 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**42.4**	ug/L	2.5	0.61	2.5		12/18/19 14:17	71-55-6	
1,1,2-Trichloroethane	**<1.4**	ug/L	12.5	1.4	2.5		12/18/19 14:17	79-00-5	
1,1-Dichloroethane	**15.6**	ug/L	2.5	0.68	2.5		12/18/19 14:17	75-34-3	
1,1-Dichloroethene	**4.3**	ug/L	2.5	0.61	2.5		12/18/19 14:17	75-35-4	
1,2-Dichloroethane	**<0.70**	ug/L	2.5	0.70	2.5		12/18/19 14:17	107-06-2	
Tetrachloroethene	**<0.82**	ug/L	2.7	0.82	2.5		12/18/19 14:17	127-18-4	
Trichloroethene	**278**	ug/L	2.5	0.64	2.5		12/18/19 14:17	79-01-6	
Vinyl chloride	**<0.44**	ug/L	2.5	0.44	2.5		12/18/19 14:17	75-01-4	
cis-1,2-Dichloroethene	**2.8**	ug/L	2.5	0.68	2.5		12/18/19 14:17	156-59-2	
trans-1,2-Dichloroethene	**<2.7**	ug/L	9.1	2.7	2.5		12/18/19 14:17	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		2.5		12/18/19 14:17	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		2.5		12/18/19 14:17	1868-53-7	
Toluene-d8 (S)	94	%	70-130		2.5		12/18/19 14:17	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: NMW-7 **Lab ID: 40200826031** Collected: 12/12/19 11:16 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**11.4**	ug/L	1.0	0.24	1		12/18/19 17:57	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/18/19 17:57	79-00-5	
1,1-Dichloroethane	**4.1**	ug/L	1.0	0.27	1		12/18/19 17:57	75-34-3	
1,1-Dichloroethene	**1.4**	ug/L	1.0	0.24	1		12/18/19 17:57	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/18/19 17:57	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/18/19 17:57	127-18-4	
Trichloroethene	**88.9**	ug/L	1.0	0.26	1		12/18/19 17:57	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/18/19 17:57	75-01-4	
cis-1,2-Dichloroethene	**1.5**	ug/L	1.0	0.27	1		12/18/19 17:57	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/18/19 17:57	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/18/19 17:57	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		12/18/19 17:57	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/18/19 17:57	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: NMW-8R **Lab ID: 40200826032** Collected: 12/12/19 10:33 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**33.0**	ug/L	2.0	0.49	2		12/18/19 14:39	71-55-6	
1,1,2-Trichloroethane	**<1.1**	ug/L	10.0	1.1	2		12/18/19 14:39	79-00-5	
1,1-Dichloroethane	**12.9**	ug/L	2.0	0.55	2		12/18/19 14:39	75-34-3	
1,1-Dichloroethene	**3.9**	ug/L	2.0	0.49	2		12/18/19 14:39	75-35-4	
1,2-Dichloroethane	**<0.56**	ug/L	2.0	0.56	2		12/18/19 14:39	107-06-2	
Tetrachloroethene	**<0.65**	ug/L	2.2	0.65	2		12/18/19 14:39	127-18-4	
Trichloroethene	**228**	ug/L	2.0	0.51	2		12/18/19 14:39	79-01-6	
Vinyl chloride	**<0.35**	ug/L	2.0	0.35	2		12/18/19 14:39	75-01-4	
cis-1,2-Dichloroethene	**2.6**	ug/L	2.0	0.54	2		12/18/19 14:39	156-59-2	
trans-1,2-Dichloroethene	**<2.2**	ug/L	7.3	2.2	2		12/18/19 14:39	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		2		12/18/19 14:39	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		2		12/18/19 14:39	1868-53-7	
Toluene-d8 (S)	95	%	70-130		2		12/18/19 14:39	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: MW-43 **Lab ID: 40200826033** Collected: 12/12/19 10:06 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**0.38J**	ug/L	1.0	0.24	1		12/18/19 18:19	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/18/19 18:19	79-00-5	
1,1-Dichloroethane	**0.93J**	ug/L	1.0	0.27	1		12/18/19 18:19	75-34-3	
1,1-Dichloroethene	**0.42J**	ug/L	1.0	0.24	1		12/18/19 18:19	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/18/19 18:19	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/18/19 18:19	127-18-4	
Trichloroethene	**12.8**	ug/L	1.0	0.26	1		12/18/19 18:19	79-01-6	
Vinyl chloride	**1.7**	ug/L	1.0	0.17	1		12/18/19 18:19	75-01-4	
cis-1,2-Dichloroethene	**14.7**	ug/L	1.0	0.27	1		12/18/19 18:19	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/18/19 18:19	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		12/18/19 18:19	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		12/18/19 18:19	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/18/19 18:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: MW-44 **Lab ID: 40200826034** Collected: 12/12/19 09:09 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		12/18/19 18:40	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/18/19 18:40	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		12/18/19 18:40	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/18/19 18:40	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/18/19 18:40	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/18/19 18:40	127-18-4	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		12/18/19 18:40	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/18/19 18:40	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		12/18/19 18:40	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/18/19 18:40	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/18/19 18:40	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		12/18/19 18:40	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/18/19 18:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: DUPLICATE 3 **Lab ID: 40200826035** Collected: 12/12/19 00:00 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		12/18/19 19:02	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/18/19 19:02	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		12/18/19 19:02	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/18/19 19:02	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/18/19 19:02	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/18/19 19:02	127-18-4	
Trichloroethene	**1.6**	ug/L	1.0	0.26	1		12/18/19 19:02	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/18/19 19:02	75-01-4	
cis-1,2-Dichloroethene	**0.34J**	ug/L	1.0	0.27	1		12/18/19 19:02	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/18/19 19:02	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/18/19 19:02	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		12/18/19 19:02	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/18/19 19:02	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: MW-11 **Lab ID: 40200826036** Collected: 12/13/19 10:04 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**10.8**	ug/L	2.5	0.61	2.5		12/18/19 15:00	71-55-6	
1,1,2-Trichloroethane	**<1.4**	ug/L	12.5	1.4	2.5		12/18/19 15:00	79-00-5	
1,1-Dichloroethane	**6.9**	ug/L	2.5	0.68	2.5		12/18/19 15:00	75-34-3	
1,1-Dichloroethene	**1.9J**	ug/L	2.5	0.61	2.5		12/18/19 15:00	75-35-4	
1,2-Dichloroethane	**<0.70**	ug/L	2.5	0.70	2.5		12/18/19 15:00	107-06-2	
Tetrachloroethene	**<0.82**	ug/L	2.7	0.82	2.5		12/18/19 15:00	127-18-4	
Trichloroethene	**275**	ug/L	2.5	0.64	2.5		12/18/19 15:00	79-01-6	
Vinyl chloride	**<0.44**	ug/L	2.5	0.44	2.5		12/18/19 15:00	75-01-4	
cis-1,2-Dichloroethene	**12.3**	ug/L	2.5	0.68	2.5		12/18/19 15:00	156-59-2	
trans-1,2-Dichloroethene	**<2.7**	ug/L	9.1	2.7	2.5		12/18/19 15:00	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		2.5		12/18/19 15:00	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		2.5		12/18/19 15:00	1868-53-7	
Toluene-d8 (S)	95	%	70-130		2.5		12/18/19 15:00	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: MW-13 **Lab ID: 40200826037** Collected: 12/13/19 09:30 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**16.9**	ug/L	5.0	1.2	5		12/20/19 00:55	71-55-6	
1,1,2-Trichloroethane	**<2.8**	ug/L	25.0	2.8	5		12/20/19 00:55	79-00-5	
1,1-Dichloroethane	**14.8**	ug/L	5.0	1.4	5		12/20/19 00:55	75-34-3	
1,1-Dichloroethene	**2.3J**	ug/L	5.0	1.2	5		12/20/19 00:55	75-35-4	
1,2-Dichloroethane	**<1.4**	ug/L	5.0	1.4	5		12/20/19 00:55	107-06-2	
Tetrachloroethene	**<1.6**	ug/L	5.4	1.6	5		12/20/19 00:55	127-18-4	
Trichloroethene	**413**	ug/L	5.0	1.3	5		12/20/19 00:55	79-01-6	
Vinyl chloride	**<0.87**	ug/L	5.0	0.87	5		12/20/19 00:55	75-01-4	
cis-1,2-Dichloroethene	**35.6**	ug/L	5.0	1.4	5		12/20/19 00:55	156-59-2	
trans-1,2-Dichloroethene	**<5.5**	ug/L	18.2	5.5	5		12/20/19 00:55	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		5		12/20/19 00:55	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		5		12/20/19 00:55	1868-53-7	
Toluene-d8 (S)	95	%	70-130		5		12/20/19 00:55	2037-26-5	

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ANALYTICAL RESULTS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Sample: TRIP BLANK **Lab ID: 40200826038** Collected: 12/13/19 00:00 Received: 12/14/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		12/18/19 11:06	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/18/19 11:06	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		12/18/19 11:06	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/18/19 11:06	75-35-4	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/18/19 11:06	107-06-2	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/18/19 11:06	127-18-4	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		12/18/19 11:06	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/18/19 11:06	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		12/18/19 11:06	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/18/19 11:06	156-60-5	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		12/18/19 11:06	460-00-4	HS
Dibromofluoromethane (S)	95	%	70-130		1		12/18/19 11:06	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/18/19 11:06	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11717 NAVISTAR
Pace Project No.: 40200826

QC Batch: 343523 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40200826012, 40200826013

METHOD BLANK: 1994509 Matrix: Water
Associated Lab Samples: 40200826012, 40200826013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.24	1.0	12/16/19 13:52	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	12/16/19 13:52	
1,1-Dichloroethane	ug/L	<0.27	1.0	12/16/19 13:52	
1,1-Dichloroethene	ug/L	<0.24	1.0	12/16/19 13:52	
1,2-Dichloroethane	ug/L	<0.28	1.0	12/16/19 13:52	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	12/16/19 13:52	
Tetrachloroethene	ug/L	<0.33	1.1	12/16/19 13:52	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	12/16/19 13:52	
Trichloroethene	ug/L	<0.26	1.0	12/16/19 13:52	
Vinyl chloride	ug/L	<0.17	1.0	12/16/19 13:52	
4-Bromofluorobenzene (S)	%	94	70-130	12/16/19 13:52	
Dibromofluoromethane (S)	%	103	70-130	12/16/19 13:52	
Toluene-d8 (S)	%	95	70-130	12/16/19 13:52	

LABORATORY CONTROL SAMPLE: 1994510

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.1	110	70-130	
1,1,2-Trichloroethane	ug/L	50	52.7	105	70-130	
1,1-Dichloroethane	ug/L	50	50.0	100	73-150	
1,1-Dichloroethene	ug/L	50	46.9	94	73-138	
1,2-Dichloroethane	ug/L	50	49.6	99	75-140	
cis-1,2-Dichloroethene	ug/L	50	51.1	102	70-130	
Tetrachloroethene	ug/L	50	53.3	107	70-130	
trans-1,2-Dichloroethene	ug/L	50	48.3	97	73-145	
Trichloroethene	ug/L	50	54.5	109	70-130	
Vinyl chloride	ug/L	50	36.4	73	51-120	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			100	70-130	
Toluene-d8 (S)	%			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1994511 1994512

Parameter	Units	40200721001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	28.8	50	50	81.7	83.3	106	109	70-130	2	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	50.2	53.7	100	107	70-137	7	20	
1,1-Dichloroethane	ug/L	16.9	50	50	65.5	67.5	97	101	73-153	3	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11717 NAVISTAR
Pace Project No.: 40200826

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1994511 1994512

Parameter	Units	40200721001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	3.8	50	50	49.5	52.1	91	97	73-138	5	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	48.2	48.7	96	97	75-140	1	20	
cis-1,2-Dichloroethene	ug/L	6.2	50	50	56.1	57.2	100	102	70-131	2	20	
Tetrachloroethene	ug/L	<0.33	50	50	53.7	56.8	107	114	70-130	6	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	49.4	48.6	99	97	73-148	2	20	
Trichloroethene	ug/L	4.2	50	50	59.5	63.9	111	119	70-130	7	20	
Vinyl chloride	ug/L	<0.17	50	50	37.1	36.4	74	73	41-129	2	20	
4-Bromofluorobenzene (S)	%						108	102	70-130			
Dibromofluoromethane (S)	%						101	99	70-130			
Toluene-d8 (S)	%						104	103	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11717 NAVISTAR
Pace Project No.: 40200826

QC Batch: 343524 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40200826001, 40200826002, 40200826003, 40200826014, 40200826015, 40200826016, 40200826017, 40200826018, 40200826019, 40200826020, 40200826021, 40200826022, 40200826024

METHOD BLANK: 1994514 Matrix: Water
Associated Lab Samples: 40200826001, 40200826002, 40200826003, 40200826014, 40200826015, 40200826016, 40200826017, 40200826018, 40200826019, 40200826020, 40200826021, 40200826022, 40200826024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.24	1.0	12/17/19 07:15	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	12/17/19 07:15	
1,1-Dichloroethane	ug/L	<0.27	1.0	12/17/19 07:15	
1,1-Dichloroethene	ug/L	<0.24	1.0	12/17/19 07:15	
1,2-Dichloroethane	ug/L	<0.28	1.0	12/17/19 07:15	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	12/17/19 07:15	
Tetrachloroethene	ug/L	<0.33	1.1	12/17/19 07:15	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	12/17/19 07:15	
Trichloroethene	ug/L	<0.26	1.0	12/17/19 07:15	
Vinyl chloride	ug/L	<0.17	1.0	12/17/19 07:15	
4-Bromofluorobenzene (S)	%	94	70-130	12/17/19 07:15	
Dibromofluoromethane (S)	%	106	70-130	12/17/19 07:15	
Toluene-d8 (S)	%	100	70-130	12/17/19 07:15	

LABORATORY CONTROL SAMPLE: 1994515

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.5	103	70-130	
1,1,2-Trichloroethane	ug/L	50	53.3	107	70-130	
1,1-Dichloroethane	ug/L	50	50.6	101	73-150	
1,1-Dichloroethene	ug/L	50	40.9	82	73-138	
1,2-Dichloroethane	ug/L	50	51.5	103	75-140	
cis-1,2-Dichloroethene	ug/L	50	47.9	96	70-130	
Tetrachloroethene	ug/L	50	52.3	105	70-130	
trans-1,2-Dichloroethene	ug/L	50	46.3	93	73-145	
Trichloroethene	ug/L	50	54.8	110	70-130	
Vinyl chloride	ug/L	50	29.0	58	51-120	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			103	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1994790 1994791

Parameter	Units	40200826014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.24	50	50	49.0	51.9	98	104	70-130	6	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	50.0	52.2	100	104	70-137	4	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11717 NAVISTAR
Pace Project No.: 40200826

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1994790 1994791

Parameter	Units	40200826014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethane	ug/L	0.77J	50	50	48.3	50.9	95	100	73-153	5	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	38.7	40.9	77	82	73-138	6	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	49.0	51.0	98	102	75-140	4	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	45.9	48.5	92	97	70-131	5	20	
Tetrachloroethene	ug/L	<0.33	50	50	49.8	51.7	100	103	70-130	4	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	43.6	46.0	87	92	73-148	5	20	
Trichloroethene	ug/L	0.26J	50	50	52.1	53.7	104	107	70-130	3	20	
Vinyl chloride	ug/L	<0.17	50	50	27.8	30.1	56	60	41-129	8	20	
4-Bromofluorobenzene (S)	%						103	102	70-130			
Dibromofluoromethane (S)	%						102	102	70-130			
Toluene-d8 (S)	%						100	100	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11717 NAVISTAR
Pace Project No.: 40200826

QC Batch: 343525 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40200826004, 40200826005, 40200826006, 40200826007, 40200826008, 40200826009, 40200826010, 40200826011, 40200826023

METHOD BLANK: 1994516 Matrix: Water
Associated Lab Samples: 40200826004, 40200826005, 40200826006, 40200826007, 40200826008, 40200826009, 40200826010, 40200826011, 40200826023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.24	1.0	12/17/19 08:07	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	12/17/19 08:07	
1,1-Dichloroethane	ug/L	<0.27	1.0	12/17/19 08:07	
1,1-Dichloroethene	ug/L	<0.24	1.0	12/17/19 08:07	
1,2-Dichloroethane	ug/L	<0.28	1.0	12/17/19 08:07	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	12/17/19 08:07	
Tetrachloroethene	ug/L	<0.33	1.1	12/17/19 08:07	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	12/17/19 08:07	
Trichloroethene	ug/L	<0.26	1.0	12/17/19 08:07	
Vinyl chloride	ug/L	<0.17	1.0	12/17/19 08:07	
4-Bromofluorobenzene (S)	%	96	70-130	12/17/19 08:07	
Dibromofluoromethane (S)	%	92	70-130	12/17/19 08:07	
Toluene-d8 (S)	%	97	70-130	12/17/19 08:07	

LABORATORY CONTROL SAMPLE: 1994517

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	48.8	98	70-130	
1,1,2-Trichloroethane	ug/L	50	47.8	96	70-130	
1,1-Dichloroethane	ug/L	50	60.5	121	73-150	
1,1-Dichloroethene	ug/L	50	41.7	83	73-138	
1,2-Dichloroethane	ug/L	50	52.6	105	75-140	
cis-1,2-Dichloroethene	ug/L	50	47.0	94	70-130	
Tetrachloroethene	ug/L	50	51.7	103	70-130	
trans-1,2-Dichloroethene	ug/L	50	46.0	92	73-145	
Trichloroethene	ug/L	50	51.1	102	70-130	
Vinyl chloride	ug/L	50	33.0	66	51-120	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			96	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1994833 1994834

Parameter	Units	40200826008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.24	50	50	49.6	48.8	99	98	70-130	2	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	48.2	49.0	96	98	70-137	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11717 NAVISTAR
Pace Project No.: 40200826

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1994833 1994834

Parameter	Units	40200826008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethane	ug/L	<0.27	50	50	61.1	61.3	122	123	73-153	0	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	42.6	42.0	85	84	73-138	1	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	54.2	54.5	108	109	75-140	1	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	47.5	46.4	95	93	70-131	2	20	
Tetrachloroethene	ug/L	<0.33	50	50	52.4	51.4	105	103	70-130	2	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	47.3	46.2	95	92	73-148	2	20	
Trichloroethene	ug/L	0.28J	50	50	53.0	53.4	105	106	70-130	1	20	
Vinyl chloride	ug/L	<0.17	50	50	33.5	32.9	67	66	41-129	2	20	
4-Bromofluorobenzene (S)	%						98	98	70-130			
Dibromofluoromethane (S)	%						94	95	70-130			
Toluene-d8 (S)	%						93	95	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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 11717 NAVISTAR
Pace Project No.: 40200826

QC Batch: 343610 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40200826025, 40200826026, 40200826027, 40200826028, 40200826029, 40200826030, 40200826031, 40200826032, 40200826033, 40200826034, 40200826035, 40200826036, 40200826038

METHOD BLANK: 1994898 Matrix: Water
Associated Lab Samples: 40200826025, 40200826026, 40200826027, 40200826028, 40200826029, 40200826030, 40200826031, 40200826032, 40200826033, 40200826034, 40200826035, 40200826036, 40200826038

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.24	1.0	12/18/19 07:54	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	12/18/19 07:54	
1,1-Dichloroethane	ug/L	<0.27	1.0	12/18/19 07:54	
1,1-Dichloroethene	ug/L	<0.24	1.0	12/18/19 07:54	
1,2-Dichloroethane	ug/L	<0.28	1.0	12/18/19 07:54	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	12/18/19 07:54	
Tetrachloroethene	ug/L	<0.33	1.1	12/18/19 07:54	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	12/18/19 07:54	
Trichloroethene	ug/L	<0.26	1.0	12/18/19 07:54	
Vinyl chloride	ug/L	<0.17	1.0	12/18/19 07:54	
4-Bromofluorobenzene (S)	%	96	70-130	12/18/19 07:54	
Dibromofluoromethane (S)	%	94	70-130	12/18/19 07:54	
Toluene-d8 (S)	%	97	70-130	12/18/19 07:54	

LABORATORY CONTROL SAMPLE: 1994899

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.9	106	70-130	
1,1,2-Trichloroethane	ug/L	50	49.3	99	70-130	
1,1-Dichloroethane	ug/L	50	66.2	132	73-150	
1,1-Dichloroethene	ug/L	50	51.8	104	73-138	
1,2-Dichloroethane	ug/L	50	58.7	117	75-140	
cis-1,2-Dichloroethene	ug/L	50	48.7	97	70-130	
Tetrachloroethene	ug/L	50	52.5	105	70-130	
trans-1,2-Dichloroethene	ug/L	50	52.7	105	73-145	
Trichloroethene	ug/L	50	53.8	108	70-130	
Vinyl chloride	ug/L	50	58.0	116	51-120	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			96	70-130	
Toluene-d8 (S)	%			95	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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 11717 NAVISTAR
Pace Project No.: 40200826

QC Batch: 343879
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Associated Lab Samples: 40200826037

METHOD BLANK: 1996230
Matrix: Water
Associated Lab Samples: 40200826037

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.24	1.0	12/19/19 14:11	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	12/19/19 14:11	
1,1-Dichloroethane	ug/L	<0.27	1.0	12/19/19 14:11	
1,1-Dichloroethene	ug/L	<0.24	1.0	12/19/19 14:11	
1,2-Dichloroethane	ug/L	<0.28	1.0	12/19/19 14:11	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	12/19/19 14:11	
Tetrachloroethene	ug/L	<0.33	1.1	12/19/19 14:11	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	12/19/19 14:11	
Trichloroethene	ug/L	<0.26	1.0	12/19/19 14:11	
Vinyl chloride	ug/L	<0.17	1.0	12/19/19 14:11	
4-Bromofluorobenzene (S)	%	95	70-130	12/19/19 14:11	
Dibromofluoromethane (S)	%	97	70-130	12/19/19 14:11	
Toluene-d8 (S)	%	96	70-130	12/19/19 14:11	

LABORATORY CONTROL SAMPLE: 1996231

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.6	103	70-130	
1,1,2-Trichloroethane	ug/L	50	50.3	101	70-130	
1,1-Dichloroethane	ug/L	50	69.3	139	73-150	
1,1-Dichloroethene	ug/L	50	53.1	106	73-138	
1,2-Dichloroethane	ug/L	50	58.5	117	75-140	
cis-1,2-Dichloroethene	ug/L	50	48.6	97	70-130	
Tetrachloroethene	ug/L	50	51.8	104	70-130	
trans-1,2-Dichloroethene	ug/L	50	53.8	108	73-145	
Trichloroethene	ug/L	50	53.9	108	70-130	
Vinyl chloride	ug/L	50	55.5	111	51-120	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			95	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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 11717 NAVISTAR
Pace Project No.: 40200826

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.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 11717 NAVISTAR
Pace Project No.: 40200826

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40200826001	**MW-24D**	EPA 8260	343524		
40200826002	**MW-23**	EPA 8260	343524		
40200826003	**MW-24**	EPA 8260	343524		
40200826004	**MW-15**	EPA 8260	343525		
40200826005	**MW-9D2**	EPA 8260	343525		
40200826006	**MW-9D**	EPA 8260	343525		
40200826007	**NMW-9**	EPA 8260	343525		
40200826008	**MW-54**	EPA 8260	343525		
40200826009	**MW-53**	EPA 8260	343525		
40200826010	**MW-26**	EPA 8260	343525		
40200826011	**MW-25**	EPA 8260	343525		
40200826012	**MW-42**	EPA 8260	343523		
40200826013	**MW-39**	EPA 8260	343523		
40200826014	**MW-27**	EPA 8260	343524		
40200826015	**MW-50**	EPA 8260	343524		
40200826016	**MW-51**	EPA 8260	343524		
40200826017	**MW-52**	EPA 8260	343524		
40200826018	**MW-49**	EPA 8260	343524		
40200826019	**MW-41**	EPA 8260	343524		
40200826020	**MW-48**	EPA 8260	343524		
40200826021	**MW-40**	EPA 8260	343524		
40200826022	**MW-35**	EPA 8260	343524		
40200826023	**DUPLICATE 2**	EPA 8260	343525		
40200826024	**DUPLICATE 1**	EPA 8260	343524		
40200826025	**MW-34**	EPA 8260	343610		
40200826026	**MW-32**	EPA 8260	343610		
40200826027	**MW-33**	EPA 8260	343610		
40200826028	**MW-30**	EPA 8260	343610		
40200826029	**MW-31**	EPA 8260	343610		
40200826030	**NMW-1**	EPA 8260	343610		
40200826031	**NMW-7**	EPA 8260	343610		
40200826032	**NMW-8R**	EPA 8260	343610		
40200826033	**MW-43**	EPA 8260	343610		
40200826034	**MW-44**	EPA 8260	343610		
40200826035	**DUPLICATE 3**	EPA 8260	343610		
40200826036	**MW-11**	EPA 8260	343610		
40200826037	**MW-13**	EPA 8260	343879		
40200826038	**TRIP BLANK**	EPA 8260	343610		

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UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of 3

CHAIN OF CUSTODY

402008826

(Please Print Clearly)	
Company Name:	KPRG
Branch/Location:	Brookfield, WI
Project Contact:	Rich Gnat
Phone:	262-781-0475
Project Number:	11717
Project Name:	Navistar
Project State:	WI
Sampled By (Print):	Michael Dolan
Sampled By (Sign):	
PO #:	Regulatory Program:

*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

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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 DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: CVOCs	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	MW-24D	12/11	1523	GW		N	13 X			
002	MW-23	12/11	1553	GW						
003	MW-24	12/11	1444	GW						
004	MW-15	12/11	1403	GW						
005	MW-9D2	12/11	1310	GW						
006	MW-9D	12/11	1236	GW						
007	NMW-9	12/11	1206	GW						
008	MW-54	12/11	1108	GW						
009	MW-53	12/11	1025	GW						
010	MW-26	12/11	0957	GW						
011	MW-25	12/11	0919	GW						
012	MW-42	12/10	1546	GW						
013	MW-39	12/10	1512	GW			↓			

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

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	12/13/19 1200	Mary Jannis	12/13/19 1225
Mary Jannis	12/13/19 1310		
[signature]	12/14/19 0825	[signature]	12/14/19 0825

PACE Project No.: 40200826
Receipt Temp = 3.0 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present
Intact / Not Intact

C019a(27Jun2006)
Version 6.6 06/14/06
ORIGINAL

40200826

(Please Print Clearly)

Company Name:	KPRG
Branch/Location:	Brookfield, WI
Project Contact:	Rich Gnat
Phone:	262-781-0475
Project Number:	11717
Project Name:	Navistar
Project State:	WI
Sampled By (Print):	Mitchel Dolan
Sampled By (Sign):	[signature]
PO #:	
Regulatory Program:	

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UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

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

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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, B = Biota, C = Charcoal, O = Oil, S = Soil, Sl = Sludge
W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

FILTERED? (YES/NO) — Y/N: N
PRESERVATION (CODE)* — Pick Letter: B
Analyses Requested: CVOCs

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	CVOCs	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
014	MW-27	12/10	1437	GW	X			
015	MW-50	12/10	1358	GW	↓			
016	MW-51	12/10	1318	GW	↓			
017	MW-52	12/10	1248	GW	↓			
018	MW-49	12/10	1148	GW	↓			
019	MW-41	12/10	1120	GW	↓			
020	MW-48	12/10	1043	GW	↓			
021	MW-40	12/10	0954	GW	↓			
022	MW-35	12/10	0912	GW	↓			
023	DUPLICATE 2	12/11	—	GW	↓			
024	DUPLICATE 1	12/10	—	GW	↓			
025	MW-34	12/12	1605	GW	↓			
026	MW-32	12/12	1536	GW	↓			

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

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

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	12/13/19 / 1200	Mary Fannin	12/13/19 1225
Mary Fannin	12/13/19 1310		
CS Logistics	12/14/19 0825	Brenda Nadkee Pace	12/14/19 0825

PACE Project No. 40200826

Receipt Temp = 3.0 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

ORIGINAL

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UPPER MIDWEST REGION
MN: 612-607-1700 **WI:** 920-469-2436

Page 3 of 3

40260826

CHAIN OF CUSTODY

(Please Print Clearly)	
Company Name:	KPRG
Branch/Location:	Brookfield, WI
Project Contact:	Rich Gnat
Phone:	262-781-0475
Project Number:	11717
Project Name:	Navistar
Project State:	WI
Sampled By (Print):	Michael Dolan
Sampled By (Sign):	
PO #:	Regulatory Program:

*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

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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 DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: CVOCs	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
027	MW-33	12/12	1457	GW	N	B	X			
028	MW-30	12/12	1404	GW						
029	MW-31	12/12	1317	GW						
030	NMW-1	12/12	1201	GW						
031	NMW-7	12/12	1116	GW						
032	NMW-8R	12/12	1033	GW						
033	MW-43	12/12	1006	GW						
034	MW-44	12/12	0909	GW						
035	DUPLICATE 3	12/12	-	GW						
036	MW-11	12/13	1004	GW						
037	MW-13	12/13	0930	GW						
038	Trip Blank	-	-	W			↓			

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

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

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	12-13-19 1200	Mary Fanning	12/13/19 1225
Mary Fanning	12/13/19 1310		
CS Logistics	12/14/19 0825	Brandon Dubke Pace	12/14/19 0825

PACE Project No.: 40260826

Receipt Temp = 3.0 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Sample Preservation Receipt Form

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Client Name: KPR6 Project # 40260826

All containers needing preservation have been checked and noted below: □Yes □No ☒N/A

Lab Lot# of pH paper: Lab Std #ID of preservation (if pH adjusted): Initial when completed: Date/ Time:

	Glass							Plastic							Vials						Jars			General							
Pace Lab #	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001																																	2.5 / 5 / 10
002																																	2.5 / 5 / 10
003																																	2.5 / 5 / 10
004																																	2.5 / 5 / 10
005																																	2.5 / 5 / 10
006																																	2.5 / 5 / 10
007																																	2.5 / 5 / 10
008																																	2.5 / 5 / 10
009																																	2.5 / 5 / 10
010																																	2.5 / 5 / 10
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017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm): ☒Yes □No □N/A ***If yes look in headspace column**

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3B	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Sample Preservation Receipt Form

Client Name: KPR6

Project #: 40200826

Pace Lab #	Glass: AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	Plastic: BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	Vials: DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	Jars: JGFU	WGFU	WPFU	General: SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
021																		3															2.5 / 5 / 10
022																		3															2.5 / 5 / 10
023																		3															2.5 / 5 / 10
024																		3															2.5 / 5 / 10
025																		3															2.5 / 5 / 10
026																		3															2.5 / 5 / 10
027																		3															2.5 / 5 / 10
028																		3															2.5 / 5 / 10
029																		3															2.5 / 5 / 10
030																		3															2.5 / 5 / 10
031																		3															2.5 / 5 / 10
032																		3															2.5 / 5 / 10
033																		3															2.5 / 5 / 10
034																		3															2.5 / 5 / 10
035																		3															2.5 / 5 / 10
036																		3															2.5 / 5 / 10
037																		3															2.5 / 5 / 10
038																		2									1(2)	AW 12/19/19					2.5 / 5 / 11
																																	2.5 / 5 / 12
																																	2.5 / 5 / 13
																																	2.5 / 5 / 14
																																	2.5 / 5 / 15
																																	2.5 / 5 / 16
																																	2.5 / 5 / 17
																																	2.5 / 5 / 18
																																	2.5 / 5 / 19
																																	2.5 / 5 / 20

Pace Analytical 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 25Apr2018
	Document No.: F-GB-C-031-Rev.07	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40200826

40200826

Client Name: KPRG

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

Tracking #:

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-93 **Type of Ice:** (Wet) Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 3.0 /Corr: 3.0

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.

Person examining contents:
Date: 12-14-19
Initials: BR

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☒No ☐N/A	2. NO mail information/ Invoice information, 12-14-19 BR
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☒No	6.
Rush Turn Around Time Requested:	☐Yes ☒No	7.
Sufficient Volume:		8.
For Analysis: ☒Yes ☐No MS/MSD:	☐Yes ☒No ☐N/A	
Correct Containers Used:	☒Yes ☐No	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☒N/A	
Containers Intact:	☒Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12. NO times for duplicates 023, 024, 035 (1) (2) 12-14-19 BR
-Includes date/time/ID/Analysis Matrix: W		NO times and dates for trip blanks 12-14-19 BR
Trip Blank Present:	☒Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☒Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 438		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution:

(1) 021 - 1 sample no time listed
(2) No labels on trip blanks (AM) 12/14/19

Project Manager Review: Date: 12/14/19