Gannett Fleming

Excellence Delivered As Promised

August 2, 2018
File # 55929.005

Ms. Mae Willkom, Hydrogeologist
Bureau of Remediation and Redevelopment
Wisconsin Department of Natural Resources, WCR
1300 West Clairemont Avenue
P.O. Box 4001
Eau Claire, WI 54702-4001

Re: **Results of June 2018 Supplemental Geoprobe Investigation**
WRR Environmental Services, Eau Claire
WDNR BRRTS No. 02-18-000274
WDNR FID No. 618 026 530
EPA ID No. WID 990 829 475

Dear Ms. Willkom:

During the week of June 6, 2018, soil and groundwater samples were collected from five Geoprobe borings, GP-86 through GP-90, at the WRR Environmental Services site in Eau Claire. Figure 1 shows the locations of borings GP-86 through GP-90, along with other borings located in the northern portion of the WRR property.

The samples were collected to better define the extent of chlorinated volatile organic compounds (CVOCs) located in the soil and groundwater in the northern portion of the WRR property. Soil samples were collected continuously in each of the borings until the water table was encountered. Shallow groundwater samples were collected in each of the borings from the upper 4 feet below the water table. Deeper groundwater samples were also collected from borings GP-86, GP-88, and GP-90 approximately 8 to 12 feet below the water table surface, which is also the approximate depth of the surface of the clay layer separating the shallow and mid-depth aquifers. Additionally, a groundwater sample was collected from vent well SVE-4 prior to the commencement of pilot test injection activities, which were also conducted during the week of June 6th.

All samples were collected using standard protocols described in previous Gannett Fleming reports. All drilling activities were conducted by Stevens Drilling of Maple Plain, Minnesota.

Gannett Fleming, Inc.
8025 Excelsior Drive, Madison, WI 53717-1900
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Each boring was abandoned following the collection of samples. Appendix A contains the borehole abandonment forms for each well.

Gannett Fleming field screened soil samples from each of the borings in 2-foot intervals for total VOC and methane concentrations using a Foxboro 128 flame-ionization detector (FID). Two soil samples from each boring were submitted for laboratory analysis, including the sample with the highest FID reading. All soil and groundwater samples were submitted to Pace Analytical Laboratory of Green Bay, Wisconsin, for analyses of VOCs. A discussion of the analytical results follows.

Soil Sample Results

Total VOC readings in the soil samples ranged from <0.1 parts per million (ppm) to 10 ppm, of which up to 1.0 ppm was methane. The total VOC and methane FID readings are listed on the boring logs included in Appendix A.

Table 1 presents a summary of the compounds detected in the soil samples. Only five compounds were detected in the soil samples: methylene chloride, tetrachloroethene (PCE), 1,1,1- & 1,1,2-trichloroethane (TCA), and trichloroethylene (TCE). Methylene chloride was measured above its soil to groundwater pathway residual contaminant level (RCL) of 2.6 micrograms per kilogram (ug/kg) in seven soil samples at concentrations ranging from 1.9 to 4.5 ug/kg. Methylene chloride is a common solvent used as an extractant by laboratories; however, it was not detected in the trip blank that accompanied the soil samples or the laboratory's QA/QC samples analyzed along with the soil samples. Nonetheless, Gannett Fleming believes the low concentrations of methylene chloride are due to lab contamination of the sample containers and not due to its presence in the soil in these samples.

Removing methylene chloride, only two soil samples contained compounds at concentrations above their soil to groundwater pathway RCL, as summarized in the table below.

Compound	GP-87 2.0-4.0 ft	GP-88 0.5-2.0 ft	Soil to GW RCL
PCE	6.0	19.0	4.5
1,1,2-TCA	22.1	10.4	3.2
TCE	7.4	9.4	3.6

No other VOCs were measured at concentrations above their soil to groundwater pathway RCLs or their RCL for direct contact at industrial sites. Copies of the laboratory report for the soil samples are included with this report as Appendix B.

Groundwater Sample Results

Table 2 presents a summary of the compounds detected in the groundwater samples collected from GP-86 through GP-90. As shown in Table 2, one or more VOCs were measured at concentrations above their NR 140 enforcement standards (ES) in five of the eight groundwater samples. Relatively low PCE concentrations of 5.6 µg/ℓ and 23.3 µg/ℓ were measured in the shallow and deep samples, respectively, collected from boring GP-89. No other VOCs were measured at concentrations above their NR 140 ESs in the two groundwater samples collected from GP-89, the deep groundwater samples collected from borings GP-87 and GP-88, or the shallow water table sample collected from GP-90.

PCE, 1,1,2-TCA, and TCE were measured above their NR 140 ESs in the shallow water table samples collected from borings GP-87 and GP-88. These were the same compounds measured in the shallow soil samples collected from those two borings. The concentrations of 1,1,2-TCA (128 µg/ℓ) and TCE (93.3 µg/ℓ) measured in the shallow sample collected from GP-88 are more than one order of magnitude above their NR 140 ESs of 5.0 µg/ℓ.

Six compounds were measured at concentrations above their NR 140 ESs in the shallow groundwater sample collected from GP-86. Of those, PCE was measured at 368 µg/ℓ and TCE was measured at 1,340 µg/ℓ, one and two orders of magnitude above their NR 140 ESs of 5.0 µg/ℓ, respectively. See Table 2 for the concentrations of the other four compounds measured in GP-86 above their NR 140 ESs. Figure 1 lists the compounds that were detected in each sample at concentrations above their NR 140 ESs. The laboratory report for the groundwater samples collected in June 2018 are included in Appendix B.

The pilot test injections consisted of injecting reducing reagents into 15 borings and SVE-4 during the week of June 6th. As mentioned above, the groundwater sample from SVE-4 was collected prior to the injection of reducing reagents into that well. That sample contained relatively high concentrations of several chlorinated VOCs. Those analytical results will be included in a separate report summarizing the pilot-test injections after the post-injection groundwater samples are collected from it and other wells within the injection area.

Conclusions and Recommendations

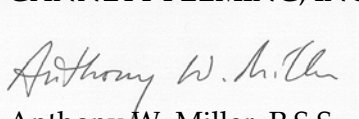
PCE, 1,1,2-TCA, and TCE were measured above their soil to groundwater pathway RCLs in the shallow soil samples and above their NR 140 ESs in the groundwater samples collected from GP-87 and GP-88. However, those compounds were not detected in the deeper soil samples collected from those borings. Taken collectively, the analytical results of the soil and groundwater samples collected from GP-87 and GP-88 indicate that a relatively small release of those three compounds likely occurred near the northeast corner of Dock 6 and impacted the groundwater.

The elevated concentrations of PCE, TCE, and the other chlorinated VOCs in GP-86 are associated with the same release that impacted the area southeast of Dock 6 and northeast of Building E-II. Pilot test injections were conducted in that area in June 2018, and a round of post-injection groundwater samples will be collected from SVE-4, W-32, and W-34 in and downgradient of the injection area in September. Assuming the analytical results of those samples indicate that the pilot test injections were successful at reducing CVOC concentrations in the groundwater, full-scale injections will be conducted in the fall. Those injections will occur in the northern portion of the site where CVOC concentrations are above their NR 140 ESs. VOC concentrations in the soil in that area will be reduced by vent well SVE-4 after it becomes operational.

A report summarizing the results of the pilot-test injections will be prepared after we receive the analytical results of the post-injection groundwater samples discussed above. That report will also include a work plan for full-scale injections. In the meantime, please let me know if you have any questions or need additional information.

Sincerely,

GANNETT FLEMING, INC.



Anthony W. Miller, P.S.S.
Senior Environmental Scientist

AWM/jec/Enc.
ecc: Jim Hager, Bob Fuller, Becky Anderson (WRR)

Gannett Fleming

FIGURE 1

GP-59
9/13
(18–22')
ALL CVOC=ND

GP-90
6/18
(14.6–16')
PCE=5.6
(22–26')
PCE=23.3

GP-79
9/16
(15–19')
1,1–DCE= 26.3
C1,2–DCE= 167
PCE= 1,700
1,1,1–TCA= 951
1,1,2–TCA= 18.1
TCE= 794

GP-88
6/18
(16.8–20')
PCE= 24.7
1,1,2–TCA= 128
TCE= 93.3
(24–28')
ALL CVOC < NR140ES OR ND

GP-89
6/18
(18.3–20')
ALL CVOC < NR140ES OR ND

GP-45
9/13
(14–18')
1,1–DCE= 9.1
PCE= 693
1,1,1–TCA= 329
TCE= 292

DOCK #6 BUILDING

GP-86
6/18
(16–20')
1,1–DCE= 30
C1,2–DCE= 305
PCE= 368
1,1,1–TCA= 1,090
1,1,2–TCA= 35.1
TCE= 1,340

GP-87
6/18
(16–20')
PCE= 10.2
1,1,2–TCA= 8.4
TCE= 39.1
(24–28')
ALL CVOC < NR140ES OR ND

GP-77
9/16
(16–20')
CF= 118
1,1–DCA= 979
1,1–DCE= 1,240
1,2–DCA= 127
C1,2–DCE= 14,600
1,2–DCP= 336
MC= 25.5
PCE= 2,960
1,1,1–TCA= 34,500
1,1,2–TCA= 746
TCE= 25,200

GP-78
9/16
(15–19')
C1,2–DCE= 117
PCE= 45.2
1,1,1–TCA= 365
TCE= 243

GP-60
9/13
(15–17')
PCE=28
(20–22')
ALL CVOC < NR 140 ES OR ND

W-34
(12.8–21.4')
10/17 –5/18
1,1–DCA= 1,510 –1,200
1,1–DCE= 2,470 –1,900
1,2–DCA= 134 –140
C1,2–DCE= 29,800 –7,800
1,2–DCP= 413 –340
MC= 1,670 –3,300
PCE= 5,850 –9,800
1,1,1–TCA= 31,000 –31,000
1,1,2–TCA= 1,140 –870
TCE= 26,000 –39,000

W-32
(9.7–16.5')
10/17 –5/18
1,1–DCE= 241 –480
C1,2–DCE= 323 –890
PCE= 3,330 –3,900
1,1,1–TCA= 5,430 –9,100
TCE= 5,650 –8,300

W-2
05/17
(9.8–14.9')
PCE=12.3

W-2A & W-2B
05/17
(105.4–110.4) & (49.7–54.7)
ALL CVOC < NR 140 ES OR ND

GP-44
9/13
(13–17')
1,1–DCE= 347
MC= 46.8
PCE= 2,080
1,1,1–TCA= 7,500
TCE= 4,350

GP-46
9/13
(13–18')
1,1–DCA= 1,050
C1,2–DCE= 5,550
1,2–DCP= 211
PCE= 3,830
1,1,1–TCA= 30,300
1,1,2–TCA= 285
TCE= 36,500

SVE-4
6/18
1,1–DCA= 2,270
1,1–DCE= 2,160
1,2–DCA= 338
C1,2–DCE= 82,300
MC= 4,680
PCE= 15,600
1,1,1–TCA= 29,800
1,1,2–TCA= 8,180
TCE= 13,200
VC= 152

GP-48
9/13
(15–19')
1,1–DCA= 1,260
1,1–DCE= 546
C1,2–DCE= 25,400
1,2–DCP= 466
MC= 5,300
PCE= 12,500
1,1,1–TCA= 24,500
1,1,2–TCA= 6,840
TCE= 22,600

GP-47
9/13
(20–24')
1,1–DCA= 170
1,2–DCA= 43.1
C1,2–DCE= 3,300
1,2–DCP= 50.3
MC= 39.2
PCE= 2,210
1,1,1–TCA= 3,270
1,1,2–TCA= 2,070
TCE= 3,760

PILOT TEST INJECTION AREAS

OFFICE

BUILDING E-1

UE

OHL

0 25

Approximate Scale In Feet

LEGEND

- PILOT TEST AREA
- PILOT TEST INJECTION BORING LOCATION
- GEOPROBE BORING SAMPLE LOCATION
- MONITORING WELL
- MONITORING WELL NEST
- SVE WELL
- UNDERGROUND ELECTRICAL
- FENCE
- PROPERTY LINE
- POWER POLE
- LIGHT POLE
- SURFACE WATER DRAINAGE DITCH

NOTES

1. THIS DRAWING IS BASED ON ARCMAP FILES PROVIDED BY SHORT, ELLIOT, AND HENDRICKSON; ESRI AERIAL PHOTOGRAPHY AND SURVEY DATA FROM ECG INC. DATED MAY 2, 1996
2. SITE FEATURES ARE APPROXIMATE.
3. ONLY COMPOUNDS WITH CONCENTRATIONS ABOVE THEIR NR 140 EX ARE SHOWN.
4. BORINGS GP-28 THROUGH GP-58 WERE SAMPLED IN SEPTEMBER 2013. BORINGS GP-59 THROUGH GP-66 WERE SAMPLED IN NOVEMBER 2013. BORINGS GP-67 THROUGH GP-70 WERE SAMPLED IN SEPTEMBER 2014. BORINGS GP-71 THROUGH GP-85 WERE SAMPLED IN SEPTEMBER 2016. BORINGS GP-86 THROUGH GP-90 WERE SAMPLED IN JUNE 2018.

PILOT TEST INJECTION BORING LOCATIONS

WRR ENVIRONMENTAL SERVICES, INC.
5200 RYDER ROAD
EAU CLAIRE, WISCONSIN

062618
awm_R55929-005_2018_0618_F01

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WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 1

ANALYTICAL RESULTS OF SOIL SAMPLES (JUNE 2018)
SUMMARY OF DETECTED COMPOUNDS (µg/kg)

Parameter	Boring ID & Depth (ft bgs)				Industrial Direct Contact RCL	Groundwater Pathway RCL
	GP-86		GP-87			
	2.0-4.0	6.0-8.0	2.0-4.0	10.0-12.0		
Methylene Chloride[1]	**2.9 J**	**3.2 J**	1.9 J	**3.5 J**	1,070,000	**2.6**
Tetrachloroethene	<3.2	<3.2	**6.0 J**	<3.3	153,000	**4.5**
1,1,1-Trichloroethane	<2.1	<2.1	2.8 J	<2.2	640,000	**140.2**
1,1,2-Trichloroethane	<2.0	<2.0	**22.1**	<2.1	7,340	**3.2**
Trichloroethene	<2.3	2.2 J	**7.4**	<2.1	8,810	**3.6**

Parameter	Boring ID & Depth (ft bgs)				Industrial Direct Contact RCL	Groundwater Pathway RCL
	GP-88		GP-89			
	0.5-2.0	8.0-10.0	4.0-6.0	12.0-14.0		
Methylene Chloride[1]	**4.5 J**	**2.7 J**	**3.0 J**	**3.2 J**	1,070,000	**2.6**
Tetrachloroethene	**19.0**	<3.6	<3.6	<3.5	153,000	**4.5**
1,1,1-Trichloroethane	6.0 J	<2.4	<2.3	<2.3	640,000	**140.2**
1,1,2-Trichloroethane	**10.4**	<2.3	<2.2	<2.2	7,340	**3.2**
Trichloroethene	**9.4**	<2.3	<2.2	<2.2	8,810	**3.6**

Parameter	Boring ID & Depth (ft bgs)		Industrial Direct Contact RCL	Groundwater Pathway RCL
	GP-90			
	2.0-4.0	10.0-12.0		
Methylene Chloride[1]	2.5 J	2.4 J	1,070,000	**2.6**

NOTES:
All soil samples collected in June 2018 and analyzed by Pace Analytical Laboratory of Green Bay, WI.
All concentrations are in micrograms per kilogram (µg/kg), equivalent to parts per billion (ppb) and were calculated on a dry weight basis.
Only compounds detected in one or more of the soil samples collected in September 2016 are listed on this table.
Concentrations above the Groundwater Pathway RCL are in**bold**.
NS = No standard
RCL = Residual contaminant level
The industrial direct contact and groundwater pathway RCLs were taken from the WDNR's RCL Spreadsheet – updated June 2016 - http://dnr.wi.gov/topic/Brownfields/professionals.html#tabx2. The groundwater pathway RCL was calculated using a dilution attenuation factor of 2.

FOOTNOTE:
(1) Low concentrations of methylene chloride were detected in each of the soil samples collected in June 2018 and analyzed for low-level VOCs using Method 8260. Methylene chloride is a common solvent used as an extractant by laboratories; however, it was not detected in the trip blank that accompanied the soil samples or the laboratory's QA/QC samples analyzed along with the soil samples. Nonetheless, Gannett Fleming believes the low concentrations of methylene chloride are due to lab contamination of the sample containers and not due to its presence in the soil in these samples.

Gannett Fleming

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 2

ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
COLLECTED FROM GP-86 THROUGH GP-90 (JUNE 2018)
SUMMARY OF DETECTED COMPOUNDS (µg/ℓ)

Parameter	Sample ID and Depth Collected (ft)				NR 140 PAL	NR 140 ES
	GP-86	GP-87		GP-88		
	16-20	16-20	24-28	16.8-20		
Chlorinated Compounds						
1,1-Dichloroethane	36.0	2.4	<0.24	9.1	85	**850**
1,1-Dichloroethene	**30.0**	1.1	<0.41	3.1	0.7	**7.0**
cis-1,2-Dichloroethene	**305**	1.9	<0.26	4.2	7.0	**70**
trans-1,2-Dichloroethene	15.3	<0.26	<0.26	<0.26	20	**100**
Tetrachloroethene	**368**	**10.2**	<0.50	**24.7**	0.5	**5.0**
1,1,1-Trichloroethane	**1,090**	55.2	1.2	72.1	40	**200**
1,1,2-Trichloroethane	**35.1**	**8.4**	<0.20	**128**	0.5	**5.0**
Trichloroethene	**1,340**	**39.1**	0.94 J	**93.3**	0.5	**5.0**
Alcohol and Ketones						
Acetone	<29.5	5.1 J	<3.0	9.5 J	1,800	**9,000**

Parameter	Sample ID and Depth Collected (ft)				NR 140 PAL	NR 140 ES
	GP-88	GP-89	GP-90			
	24-28	18.3-20	14.6-16	22-26		
Chlorinated Compounds						
Tetrachloroethene	1.6	<0.50	**5.6**	**23.3**	0.5	**5.0**
1,1,1-Trichloroethane	3.6	<0.50	<0.50	6.2	40	**200**
Trichloroethene	2.0	0.95 J	<0.33	0.36 J	0.5	**5.0**
Alcohol and Ketones						
Acetone	3.9 J	5.0 J	<3.0	<3.0	1,800	**9,000**
Isopropyl Alcohol(1)	<24.3	<24.3	32.4 J	<24.3	**3,000**	

NOTES:
All concentrations are in micrograms per liter (µgℓ)
All groundwater samples were collected with a Geoprobe.
Each sample was analyzed for a full suite of VOCs using Method 8260. Only compounds detected in one or more samples are shown on each page of this table.
NR 140 PAL and ES - NR 140 preventative action limit and enforcement standards downloaded on 10/04/16 from http://docs.legis.wisconsin.gov/code/admin_code/nr/100/140.pdf; the most recent version updated in July 2015.
NSE = No standard established.
Concentrations above NR 140 PAL are underlined. Concentrations above NR 140 ES are in bold.
FOOTNOTE:
(1) There is no NR 140 PAL or ES for 2-propanol (aka isopropyl alcohol). The WDNR has recommended using the health advisory limit of 3,000 ppb based on a 10^{-6} cancer risk taken from the following website: http://dnr.wi.gov/topic/drinkingwater/documents/haltable.pdf.

APPENDIX A

BORING LOGS & ABANDONMENT FORMS

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau: ☐ Drinking Water ☐ Waste Management ☐ Watershed/Wastewater ☐ Other: ☒ Remediation/Redevelopment

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
EAU CLAIRE		

Latitude / Longitude (see instructions): 44° 45' 27.67" N, 91° 27' 28.91" W — Format Code: ☐ DD ☐ DDM — Method Code: ☐ GPS008 ☐ SCR002 ☒ OTH001

¼ / ¼	¼	Section	Township	Range	
SW	SE	3	26 N	9	☐ E ☒ W

or Gov't Lot #

Well Street Address: 5200 RYDER ROAD

Well City, Village or Town: EAU CLAIRE — Well ZIP Code: 54701

Subdivision Name — Lot #

Reason for Removal from Service: NO LONGER NEEDED — WI Unique Well # of Replacement Well

2. Facility / Owner Information

Facility Name: WRR ENVIRONMENTAL SERVICES

Facility ID (FID or PWS): 618026530

License/Permit/Monitoring #: GP-86

Original Well Owner: WRR ENVIRONMENTAL SERVICES

Present Well Owner: SAME AS ABOVE

Mailing Address of Present Owner: 5200 RYDER ROAD

City of Present Owner: EAU CLAIRE — State: WI — ZIP Code: 54701

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 06/05/2018

If a Well Construction Report is available, please attach.

Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☑ Other (specify): GEOPROBE BORING

Formation Type: ☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
20	2.25
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2.25	20

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)? — Depth to Water (feet): 15

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material: ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials: ☐ Neat Cement Grout ☐ Concrete ☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: ☒ Bentonite Chips ☐ Bentonite - Cement Grout ☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite chips	Surface	20	1 Bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
STEVENS DRILLING + ENV. SER. INC		06/05/2018

Street or Route	Telephone Number
6240 HIGHWAY 12 WEST	(763) 479-1797

City	State	ZIP Code
MAPLE PLAIN	MN	55359

Signature of Person Doing Work: [signature] — Date Signed: 6/12/18

DNR Use Only

Date Received	Noted By

Comments

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau: ☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
EAU CLAIRE		

Latitude / Longitude (see instructions): 44° 45' 27.67" N, 91° 27' 28.91" W

Format Code: ☐ DD ☐ DDM

Method Code: ☐ GPS008 ☐ SCR002 ☒ OTH001

¼ / ¼	¼	Section	Township	Range	
SW	SE	3	26 N	9	☐ E ☒ W

or Gov't Lot #

Well Street Address: 5200 RYDER ROAD

Well City, Village or Town: EAU CLAIRE

Well ZIP Code: 54701

Subdivision Name:

Lot #:

Reason for Removal from Service: NO LONGER NEEDED

WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: WRR ENVIRONMENTAL SERVICES

Facility ID (FID or PWS): 618026530

License/Permit/Monitoring #: GP-87

Original Well Owner: WRR ENVIRONMENTAL SERVICES

Present Well Owner: SAME AS ABOVE

Mailing Address of Present Owner: 5200 RYDER ROAD

City of Present Owner	State	ZIP Code
EAU CLAIRE	WI	54701

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 06/05/2018

If a Well Construction Report is available, please attach.

Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☑ Other (specify): GEOPROBE BORING

Formation Type: ☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
28	2.25

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2.25	28

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	16

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material: ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials: ☐ Neat Cement Grout ☐ Concrete ☐ Sand-Cement (Concrete) Grout ☑ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

☒ Bentonite Chips ☐ Bentonite - Cement Grout ☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite Chips	Surface	28	1.5 Bags	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
STEVENS DRILLING + ENV. SER. INC		06/05/2018

Street or Route	Telephone Number
6240 HIGHWAY 12 WEST	(763) 479-1797

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
MAPLE PLAIN	MN	55359		6/12/18

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau: ☐ Drinking Water ☐ Waste Management ☐ Watershed/Wastewater ☐ Other: ☒ Remediation/Redevelopment

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
EAU CLAIRE		

Latitude / Longitude (see instructions): 44° 45' 27.67" N, 91° 27' 28.91" W

Format Code: ☐ DD ☐ DDM

Method Code: ☐ GPS008 ☐ SCR002 ☒ OTH001

¼ / ¼ or Gov't Lot #	Section	Township	Range
SW ¼ SE	3	26 N	9 ☐ E ☒ W

Well Street Address: 5200 RYDER ROAD

Well City, Village or Town: EAU CLAIRE

Well ZIP Code: 54701

Subdivision Name:

Lot #:

Reason for Removal from Service: NO LONGER NEEDED

WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: WRR ENVIRONMENTAL SERVICES

Facility ID (FID or PWS): 618026530

License/Permit/Monitoring #: GP-88

Original Well Owner: WRR ENVIRONMENTAL SERVICES

Present Well Owner: SAME AS ABOVE

Mailing Address of Present Owner: 5200 RYDER ROAD

City of Present Owner	State	ZIP Code
EAU CLAIRE	WI	54701

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 06/06/2018

If a Well Construction Report is available, please attach.

Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☑ Other (specify): GEOPROBE BORING

Formation Type: ☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
28	2.25

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2.25	28

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?

Depth to Water (feet): 16.85

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material: ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials: ☐ Neat Cement Grout ☐ Concrete ☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: ☒ Bentonite Chips ☐ Bentonite - Cement Grout ☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite chips	Surface	28	1.5 Bags	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
STEVENS DRILLING + ENV. SER. INC.		06/05/2018

Street or Route	Telephone Number
6240 HIGHWAY 12 WEST	(763) 479-1797

City	State	ZIP Code
MAPLE PLAIN	MN	55359

Signature of Person Doing Work:

Date Signed: 6/12/18

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau: ☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
EAU CLAIRE		

Latitude / Longitude (see instructions): 44° 45' 27.67" N, 91° 27' 28.91" W — Format Code: ☐ DD ☐ DDM — Method Code: ☐ GPS008 ☐ SCR002 ☒ OTH001

¼ / ¼	¼	Section	Township	Range
SW	SE	3	26 N	9 ☐ E ☒ W

or Gov't Lot #

Well Street Address: 5200 RYDER ROAD

Well City, Village or Town: EAU CLAIRE — Well ZIP Code: 54701

Subdivision Name — Lot #

Reason for Removal from Service: NO LONGER NEEDED — WI Unique Well # of Replacement Well

2. Facility / Owner Information

Facility Name: WRR ENVIRONMENTAL SERVICES

Facility ID (FID or PWS): 618026530

License/Permit/Monitoring #: GP-89

Original Well Owner: WRR ENVIRONMENTAL SERVICES

Present Well Owner: SAME AS ABOVE

Mailing Address of Present Owner: 5200 RYDER ROAD

City of Present Owner: EAU CLAIRE — State: WI — ZIP Code: 54701

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 06/05/2018

If a Well Construction Report is available, please attach.

Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☑ Other (specify): GEOPROBE BORING

Formation Type: ☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
20	2.25
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2.25	20

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)? — Depth to Water (feet): 18.27

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material: ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials: ☐ Neat Cement Grout ☐ Concrete ☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: ☒ Bentonite Chips ☐ Bentonite - Cement Grout ☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite chips	Surface	20	1 Bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: STEVENS DRILLING + ENV. SER. INC — License # — Date of Filling & Sealing or Verification (mm/dd/yyyy): 06/06/2018

Street or Route: 6240 HIGHWAY 12 WEST — Telephone Number: (763) 479-1797

City: MAPLE PLAIN — State: MN — ZIP Code: 55359

Signature of Person Doing Work — Date Signed: 6/12/18

DNR Use Only

Date Received — Noted By — Comments

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau: ☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
EAU CLAIRE		

Latitude / Longitude (see instructions): 44° 45' 27.67" N, 91° 27' 28.91" W

Format Code: ☐ DD ☐ DDM

Method Code: ☐ GPS008 ☐ SCR002 ☒ OTH001

¼/¼	¼	Section	Township	Range
SW	SE	3	26 N	9 ☐ E ☒ W

or Gov't Lot #

Well Street Address: 5200 RYDER ROAD

Well City, Village or Town: EAU CLAIRE

Well ZIP Code: 54701

Subdivision Name:

Lot #:

Reason for Removal from Service: NO LONGER NEEDED

WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: WRR ENVIRONMENTAL SERVICES

Facility ID (FID or PWS): 618026530

License/Permit/Monitoring #: GP-90

Original Well Owner: WRR ENVIRONMENTAL SERVICES

Present Well Owner: SAME AS ABOVE

Mailing Address of Present Owner: 5200 RYDER ROAD

City of Present Owner: EAU CLAIRE | State: WI | ZIP Code: 54701

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 06/06/2018

If a Well Construction Report is available, please attach.

Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☑ Other (specify): GEOPROBE BORING

Formation Type: ☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
26	2.25
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2.25	26

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?

Depth to Water (feet): 14.65

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material: ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials: ☐ Neat Cement Grout ☐ Concrete ☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: ☒ Bentonite Chips ☐ Bentonite - Cement Grout ☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite Chips	Surface	24	1 of 5 Bags

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
STEVENS DRILLING + ENV. SER. INC		06/06/2018

Street or Route	Telephone Number
6240 HIGHWAY 12 WEST	(763) 479-1797

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
MAPLE PLAIN	MN	55359		6/12/18

DNR Use Only

Date Received	Noted By

Comments:

Boring No. GP-86	TEST BORING LOG	Page 1 of 1	Gannett Fleming
Project No./Name WRR	Location: Eau Claire, WI		
Drill Contractor Stevens Drilling & Environmental	Gannett Fleming Geologist: Chelsea Payne		
Drill Equip/Method: Geoprobe	Size/Type of Bit: 3-inches	Sampling Method: Push	Start/Finish Date
Well Installed? Yes X No	Casing Mat./Dia.	Screen: N/A Type Mat. Length Dia. Slot	
Elevation Of: (Ft. Above MSL) Ground Surface	Top of Well Casing	Top/Bottom Screen: open hole	Water Level: 15' / Date: 6/5/18
Remarks:			

Depth (ft)	Sample Interval	Recovery (in)	Color	Soil Description	FID Screening Results (w/o charcoal / w/ char)	Moisture	Soil Type
0			blk	asphalt- loose		Dry	GW
	C-4	36	brn	f. + m. sand, med. dense	10.0/0.5	Moist	SW
					◊ 3.5/1.0		
4			tan	loose m. sand w/ ½" dark brown staining ~ every 7" thru core			SP
	4-8	36			7.0/1.0		
					◊ 10.0/0.5		
8				f + m. sand, med dense w/ dk brn stained ½" layers every 5" thru core	4.0/0.5		SW
	8-12	36		f. sand w/ silt, med dense	3.0/0.5		SP-ML
12							
					10.0/0.5	V. Moist	
	12-16	36				Saturated	
▽					—/—		
16			brn	m. sand + silt, med. stiff -1" silt globule		Wet	SP-ML
					—/—		
*	16-20	36					
				clayey silt, med. stiff	—/—		ML-CL
20							

◊ Soil sample taken EOB @ 20'
* Groundwater sample taken (16'-20')

Boring No. GP-87	TEST BORING LOG	Page 1 of 1	Gannett Fleming
Project No./Name WRR	Location: Eau Claire, WI		
Drill Contractor Stevens Drilling & Environmental	Gannett Fleming Geologist: Chelsea Payne		
Drill Equip/Method: Geoprobe	Size/Type of Bit: 3-inches	Sampling Method: Push	Start/Finish Date
Well Installed? ___ Yes X No	Casing Mat./Dia.	Screen: N/A Type Mat. Length Dia. Slot	
Elevation Of: (Ft. Above MSL) Ground Surface	Top of Well Casing	Top/Bottom Screen	Water Level 16' / Date 6/5/18
Remarks:			

Depth (ft)	Sample Interval	Recovery (in)	Color	Soil Description	FID Screening Results (w/o charcoal / w/ char)	Moisture	Soil Type
0			blk	loose asphalt		Dry	GW
	0-4	36	brn	f+m. sand, med dense, mottled brn	2.5/<0	Moist	SW
				f+m. sand, med. dense	◊ 10.0/<0	↓	
4	4-8	24	white/red, brn	gravel-sub-anglr quartz	7.0/0.5	Dry Moist	GP
				m. sand, med dense			SP
			lt brn		3.0/0.5		
8	8-12	36	tan/org	m sand grading to f. sand, med dense	2.0/<0		SW
				vf sand, med dense	◊ 1.0/0.5		SP
12	12-16	36			2.5/<0		
				v.f. sand + silt, one ½ silt layer @ 15.9' bgs	9.5/0.5		SW
16 ▽	16-20 *	42	brn	m. sand, med dense	—/—	Wet	SP
				f-m. sand	—/—	↓	SW
20				f. sand + silt			SP

◊ Soil sample taken
* Groundwater sample taken (16'-20'), and 24' to 28'

EOB @ 20'

Boring No. GP-88	TEST BORING LOG	Page 1 of 1	Gannett Fleming
Project No./Name WRR	Location: Eau Claire, WI		
Drill Contractor Stevens Drilling & Environmental	Gannett Fleming Geologist: Chelsea Payne		
Drill Equip/Method: Geoprobe	Size/Type of Bit: 3-inches	Sampling Method: Push	Start/Finish Date
Well Installed? __ Yes X No	Casing Mat./Dia.	Screen: N/A Type Mat. Length Dia. Slot	
Elevation Of: (Ft. Above MSL) Ground Surface	Top of Well Casing	Top/Bottom Screen: open hole	Water Level: 16.85' / Date: 6/6/18
Remarks:			

Depth (ft)	Sample Interval	Recovery (in)	Color	Soil Description	FID Screening Results (w/o charcoal / w/ char)	Moisture	Soil Type
0			blk	asphalt - loose		D	GW
	C-4	36	gry-brn	m.-f. sand	◊ 6.5 / <0	M	SW
			brn-org	m. sand	1.0 / <0		SP
4				m. sand, soft w/ ½" dkr brn sand layers	0 / —		
	4-8	24	buff-brn	m.-f. sand, med. dense	3.0 / 0		SW
8				m. sand w/ org staining soft	◊ 2.0 / 0		
	8-12	18	buff	v.f. sand + silt, med. stiff	1.0 / 1.0		SM-ML
12				silty v.f. soft sand			
	12-16	36		v.f. sandy silt, soft	1.0 / 1.0		
			brn-gry	silt, layered	10 / 0.5	S	ML
16 ▽			brn		— / —	W	SM
*	16-20	42		f. sand, soft v.f. sandy silt m. sand w/ ¼" ylw & brn clay layers	— / —		SM-CL
20							

◊ Soil sample taken EOB @ 20'
* Groundwater sample taken (16.85' - 20'), and 24' to 28'

Boring No. GP-89	TEST BORING LOG	Page 1 of 1	Gannett Fleming
Project No./Name WRR	Location: Eau Claire, WI		
Drill Contractor Stevens Drilling & Environmental	Gannett Fleming Geologist: Chelsea Payne		
Drill Equip/Method: Geoprobe	Size/Type of Bit: 3-inches	Sampling Method: Push	Start/Finish Date
Well Installed? Yes X No	Casing Mat./Dia.	Screen: N/A Type Mat. Length Dia. Slot	
Elevation Of: (Ft. Above MSL) Ground Surface	Top of Well Casing	Top/Bottom Screen: open hole	Water Level: 18.27' / Date: 6/5/18
Remarks:			

Depth (ft)	Sample Interval	Recovery (in)	Color	Soil Description	FID Screening Results (w/o charcoal / w/ char)	Moisture	Soil Type
0	C-4	24	blk brn	asphalt - loose		Dry	GW
				M. rounded sand	<0 / —	M	SP
				½" dk brn layers	1.0 / 0.5		
4	4-8	18			◊ 2.0 / <0		
					0.5 / 0.25		
8	8-12	30	lt brn	m.-c. sand	2.0 / 0.25		SW
			ylw-buff	silty v.f. sand	2.75 / <0		SM-ML
12	12-16	18			◊ 4.0 / 1.0		
					2.5 / 0.5		
16	16-20	42		f-m. sand	3.25 / <0	S	SW
▽ * 20				silty f. sand, soft	— / —	W	SM-ML

◊ Soil sample taken EOB @ 20'
* Groundwater sample taken (18.27'-20')

Boring No. GP-90	TEST BORING LOG	Page 1 of 1	Gannett Fleming
Project No./Name WRR	Location: Eau Claire, WI		
Drill Contractor Stevens Drilling & Environmental	Gannett Fleming Geologist: Chelsea Payne		
Drill Equip/Method: Geoprobe	Size/Type of Bit: 3-inches	Sampling Method: Push	Start/Finish Date
Well Installed? Yes X No	Casing Mat./Dia.	Screen: N/A Type Mat. Length Dia. Slot	
Elevation Of: (Ft. Above MSL) Ground Surface	Top of Well Casing	Top/Bottom Screen: open hole	Water Level: 14.65'
Date: 6/6/18			
Remarks:			

Depth (ft)	Sample Interval	Recovery (in)	Color	Soil Description	FID Screening Results (w/o charcoal / w/ char)	Moisture	Soil Type
0			blk	asphalt - loose		Dry	GW
	0-4	30	tan	f-m sand + ½" diam gravel brn/buff w/ varied lithologies	5.0/0.25	M	SW
			brn	f. sand, stained, slight petro odor	◊ 4.0/1.0		
4			orng-	f. sand, soft w, dkr orng skin layers			
	4-8	30			3.0/<0		
			orng-buff	m.-v.f. sand + silt, med. stiff	4.0/0.5		SP-ML
8				" ", soft	3.5/0.25		
	8-12	24	ylw-buff	silty v.f. sand, stiff	◊ 10.0/1.0		SM-ML
12			brn-buff	clayey silt (silt ball-1" diam)	4.0/1.0	S	ML-CL
	12-16	42		v.f. sand	—/—	W	SP
▽ * 16				m. sand w/ dk orng stained layers			
				EOB @ 16'	/		
20					/		

◊ Soil sample taken
* Groundwater sample taken → and 22' to 26'
(14.65' - 16')

APPENDIX B

LABORATORY REPORTS FOR SOIL & GROUNDWATER SAMPLES
JUNE 2018

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

June 19, 2018

The analytical results and QA/QC data included with this report were reviewed by AWM on 06/20/18.

Tony Miller
Gannett Fleming
8025 Excelsior Drive
Madison, WI 53717

RE: Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

Dear Tony Miller:
Enclosed are the analytical results for sample(s) received by the laboratory on June 07, 2018. 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

cc: Chelsea Payne, Gannett Fleming Inc.

REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

Green Bay Certification IDs

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

Pace Analytical Services, LLC
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SAMPLE SUMMARY

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40170426001	**GP-86 2.0-4.0**	Solid	06/05/18 10:00	06/07/18 09:20
40170426002	**GP-86 6.0-8.0**	Solid	06/05/18 10:15	06/07/18 09:20
40170426003	**GP-87 2.0-4.0**	Solid	06/05/18 11:30	06/07/18 09:20
40170426004	**GP-87 10.0-12.0**	Solid	06/05/18 11:45	06/07/18 09:20
40170426005	**GP-88 0.5-2.0**	Solid	06/06/18 09:00	06/07/18 09:20
40170426006	**GP-88 8.0-10.0**	Solid	06/06/18 09:15	06/07/18 09:20
40170426007	**GP-89 4.0-6.0**	Solid	06/05/18 16:30	06/07/18 09:20
40170426008	**GP-89 12.0-14.0**	Solid	06/05/18 16:45	06/07/18 09:20
40170426009	**GP-90 2.0-4.0**	Solid	06/06/18 14:15	06/07/18 09:20
40170426010	**GP-90 10.0-12.0**	Solid	06/06/18 14:30	06/07/18 09:20
40170426011	**TRIP BLANK**	Water	06/06/18 00:00	06/07/18 09:20

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SAMPLE ANALYTE COUNT

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40170426001	**GP-86 2.0-4.0**	EPA 8260	HNW	68
		ASTM D2974-87	DXS	1
40170426002	**GP-86 6.0-8.0**	EPA 8260	HNW	68
		ASTM D2974-87	DXS	1
40170426003	**GP-87 2.0-4.0**	EPA 8260	HNW	68
		ASTM D2974-87	DXS	1
40170426004	**GP-87 10.0-12.0**	EPA 8260	HNW	68
		ASTM D2974-87	DXS	1
40170426005	**GP-88 0.5-2.0**	EPA 8260	HNW	68
		ASTM D2974-87	DXS	1
40170426006	**GP-88 8.0-10.0**	EPA 8260	HNW	68
		ASTM D2974-87	DXS	1
40170426007	**GP-89 4.0-6.0**	EPA 8260	HNW	68
		ASTM D2974-87	DXS	1
40170426008	**GP-89 12.0-14.0**	EPA 8260	HNW	68
		ASTM D2974-87	DXS	1
40170426009	**GP-90 2.0-4.0**	EPA 8260	HNW	68
		ASTM D2974-87	DXS	1
40170426010	**GP-90 10.0-12.0**	EPA 8260	HNW	68
		ASTM D2974-87	DXS	1
40170426011	**TRIP BLANK**	EPA 8260	MDS	69

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SUMMARY OF DETECTION

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40170426001	**GP-86 2.0-4.0**					
EPA 8260	Methylene Chloride	2.9J	ug/kg	7.0	06/13/18 22:38	
ASTM D2974-87	Percent Moisture	3.2	%	0.10	06/07/18 18:06	
40170426002	**GP-86 6.0-8.0**					
EPA 8260	Methylene Chloride	3.2J	ug/kg	6.0	06/13/18 23:00	
EPA 8260	Trichloroethene	2.2J	ug/kg	6.6	06/13/18 23:00	
ASTM D2974-87	Percent Moisture	5.3	%	0.10	06/07/18 18:06	
40170426003	**GP-87 2.0-4.0**					
EPA 8260	1,1,1-Trichloroethane	2.8J	ug/kg	6.6	06/13/18 23:23	
EPA 8260	1,1,2-Trichloroethane	22.1	ug/kg	6.3	06/13/18 23:23	
EPA 8260	Methylene Chloride	1.9J	ug/kg	5.7	06/13/18 23:23	
EPA 8260	Tetrachloroethene	6.0J	ug/kg	10.0	06/13/18 23:23	
EPA 8260	Trichloroethene	7.4	ug/kg	6.3	06/13/18 23:23	
ASTM D2974-87	Percent Moisture	7.1	%	0.10	06/07/18 18:06	
40170426004	**GP-87 10.0-12.0**					
EPA 8260	Methylene Chloride	3.5J	ug/kg	6.3	06/13/18 23:45	
ASTM D2974-87	Percent Moisture	2.1	%	0.10	06/07/18 18:06	
40170426005	**GP-88 0.5-2.0**					
EPA 8260	1,1,1-Trichloroethane	6.0J	ug/kg	8.2	06/14/18 00:07	
EPA 8260	1,1,2-Trichloroethane	10.4	ug/kg	7.8	06/14/18 00:07	
EPA 8260	Methylene Chloride	4.5J	ug/kg	7.0	06/14/18 00:07	
EPA 8260	Tetrachloroethene	19.0	ug/kg	12.4	06/14/18 00:07	
EPA 8260	Trichloroethene	9.4	ug/kg	7.8	06/14/18 00:07	
ASTM D2974-87	Percent Moisture	4.7	%	0.10	06/07/18 18:07	
40170426006	**GP-88 8.0-10.0**					
EPA 8260	Methylene Chloride	2.7J	ug/kg	6.8	06/18/18 15:52	
ASTM D2974-87	Percent Moisture	4.9	%	0.10	06/07/18 18:07	
40170426007	**GP-89 4.0-6.0**					
EPA 8260	Methylene Chloride	3.0J	ug/kg	6.7	06/18/18 16:15	
ASTM D2974-87	Percent Moisture	5.5	%	0.10	06/07/18 18:07	
40170426008	**GP-89 12.0-14.0**					
EPA 8260	Methylene Chloride	3.2J	ug/kg	6.7	06/18/18 16:38	
ASTM D2974-87	Percent Moisture	5.3	%	0.10	06/07/18 18:29	
40170426009	**GP-90 2.0-4.0**					
EPA 8260	Methylene Chloride	2.5J	ug/kg	6.1	06/18/18 17:01	
ASTM D2974-87	Percent Moisture	4.6	%	0.10	06/07/18 18:29	
40170426010	**GP-90 10.0-12.0**					
EPA 8260	Methylene Chloride	2.4J	ug/kg	6.6	06/18/18 17:24	
ASTM D2974-87	Percent Moisture	9.4	%	0.10	06/07/18 18:29	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

Sample: GP-86 2.0-4.0 **Lab ID: 40170426001** Collected: 06/05/18 10:00 Received: 06/07/18 09:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<1.8**	ug/kg	6.1	1.8	1	06/13/18 05:00	06/13/18 22:38	630-20-6	
1,1,1-Trichloroethane	**<2.5**	ug/kg	8.2	2.5	1	06/13/18 05:00	06/13/18 22:38	71-55-6	
1,1,2,2-Tetrachloroethane	**<3.8**	ug/kg	12.5	3.8	1	06/13/18 05:00	06/13/18 22:38	79-34-5	
1,1,2-Trichloroethane	**<2.3**	ug/kg	7.8	2.3	1	06/13/18 05:00	06/13/18 22:38	79-00-5	
1,1-Dichloroethane	**<3.1**	ug/kg	10.4	3.1	1	06/13/18 05:00	06/13/18 22:38	75-34-3	
1,1-Dichloroethene	**<2.6**	ug/kg	8.6	2.6	1	06/13/18 05:00	06/13/18 22:38	75-35-4	
1,1-Dichloropropene	**<2.4**	ug/kg	8.0	2.4	1	06/13/18 05:00	06/13/18 22:38	563-58-6	
1,2,3-Trichlorobenzene	**<1.8**	ug/kg	6.0	1.8	1	06/13/18 05:00	06/13/18 22:38	87-61-6	
1,2,3-Trichloropropane	**<2.9**	ug/kg	9.7	2.9	1	06/13/18 05:00	06/13/18 22:38	96-18-4	
1,2,4-Trichlorobenzene	**<1.8**	ug/kg	6.0	1.8	1	06/13/18 05:00	06/13/18 22:38	120-82-1	
1,2,4-Trimethylbenzene	**<2.1**	ug/kg	7.1	2.1	1	06/13/18 05:00	06/13/18 22:38	95-63-6	
1,2-Dibromo-3-chloropropane	**<4.5**	ug/kg	15.0	4.5	1	06/13/18 05:00	06/13/18 22:38	96-12-8	
1,2-Dibromoethane (EDB)	**<0.27**	ug/kg	0.88	0.27	1	06/13/18 05:00	06/13/18 22:38	106-93-4	
1,2-Dichlorobenzene	**<1.9**	ug/kg	6.2	1.9	1	06/13/18 05:00	06/13/18 22:38	95-50-1	
1,2-Dichloroethane	**<0.31**	ug/kg	1.0	0.31	1	06/13/18 05:00	06/13/18 22:38	107-06-2	
1,2-Dichloropropane	**<2.0**	ug/kg	6.7	2.0	1	06/13/18 05:00	06/13/18 22:38	78-87-5	
1,3,5-Trimethylbenzene	**<2.3**	ug/kg	7.7	2.3	1	06/13/18 05:00	06/13/18 22:38	108-67-8	
1,3-Dichlorobenzene	**<2.1**	ug/kg	7.0	2.1	1	06/13/18 05:00	06/13/18 22:38	541-73-1	
1,3-Dichloropropane	**<1.7**	ug/kg	5.5	1.7	1	06/13/18 05:00	06/13/18 22:38	142-28-9	
1,4-Dichlorobenzene	**<2.2**	ug/kg	7.4	2.2	1	06/13/18 05:00	06/13/18 22:38	106-46-7	
2,2-Dichloropropane	**<2.5**	ug/kg	8.3	2.5	1	06/13/18 05:00	06/13/18 22:38	594-20-7	
2-Butanone (MEK)	**<5.6**	ug/kg	18.5	5.6	1	06/13/18 05:00	06/13/18 22:38	78-93-3	
2-Chlorotoluene	**<2.5**	ug/kg	8.2	2.5	1	06/13/18 05:00	06/13/18 22:38	95-49-8	
2-Propanol	**<26.0**	ug/kg	86.5	26.0	1	06/13/18 05:00	06/13/18 22:38	67-63-0	
4-Chlorotoluene	**<2.2**	ug/kg	7.3	2.2	1	06/13/18 05:00	06/13/18 22:38	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<2.2**	ug/kg	7.2	2.2	1	06/13/18 05:00	06/13/18 22:38	108-10-1	
Acetone	**<35.7**	ug/kg	119	35.7	1	06/13/18 05:00	06/13/18 22:38	67-64-1	
Benzene	**<2.1**	ug/kg	6.8	2.1	1	06/13/18 05:00	06/13/18 22:38	71-43-2	
Bromobenzene	**<1.9**	ug/kg	6.5	1.9	1	06/13/18 05:00	06/13/18 22:38	108-86-1	
Bromochloromethane	**<2.6**	ug/kg	8.8	2.6	1	06/13/18 05:00	06/13/18 22:38	74-97-5	
Bromodichloromethane	**<1.9**	ug/kg	6.2	1.9	1	06/13/18 05:00	06/13/18 22:38	75-27-4	
Bromoform	**<6.1**	ug/kg	20.5	6.1	1	06/13/18 05:00	06/13/18 22:38	75-25-2	
Bromomethane	**<4.6**	ug/kg	15.3	4.6	1	06/13/18 05:00	06/13/18 22:38	74-83-9	
Carbon tetrachloride	**<2.4**	ug/kg	8.0	2.4	1	06/13/18 05:00	06/13/18 22:38	56-23-5	
Chlorobenzene	**<2.2**	ug/kg	7.4	2.2	1	06/13/18 05:00	06/13/18 22:38	108-90-7	
Chloroethane	**<2.7**	ug/kg	9.1	2.7	1	06/13/18 05:00	06/13/18 22:38	75-00-3	
Chloroform	**<2.5**	ug/kg	8.2	2.5	1	06/13/18 05:00	06/13/18 22:38	67-66-3	
Chloromethane	**<1.9**	ug/kg	6.2	1.9	1	06/13/18 05:00	06/13/18 22:38	74-87-3	
Dibromochloromethane	**<1.9**	ug/kg	6.4	1.9	1	06/13/18 05:00	06/13/18 22:38	124-48-1	
Dibromomethane	**<2.2**	ug/kg	7.5	2.2	1	06/13/18 05:00	06/13/18 22:38	74-95-3	
Dichlorodifluoromethane	**<2.0**	ug/kg	6.7	2.0	1	06/13/18 05:00	06/13/18 22:38	75-71-8	
Diisopropyl ether	**<1.7**	ug/kg	5.6	1.7	1	06/13/18 05:00	06/13/18 22:38	108-20-3	
Ethylbenzene	**<2.6**	ug/kg	8.8	2.6	1	06/13/18 05:00	06/13/18 22:38	100-41-4	
Hexachloro-1,3-butadiene	**<3.1**	ug/kg	10.2	3.1	1	06/13/18 05:00	06/13/18 22:38	87-68-3	
Isopropylbenzene (Cumene)	**<2.2**	ug/kg	7.3	2.2	1	06/13/18 05:00	06/13/18 22:38	98-82-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

Sample: GP-86 2.0-4.0 **Lab ID: 40170426001** Collected: 06/05/18 10:00 Received: 06/07/18 09:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Methyl-tert-butyl ether	**<3.1**	ug/kg	10.5	3.1	1	06/13/18 05:00	06/13/18 22:38	1634-04-4	
Methylene Chloride	**2.9J**	ug/kg	7.0	2.1	1	06/13/18 05:00	06/13/18 22:38	75-09-2	
Naphthalene	**<3.1**	ug/kg	10.4	3.1	1	06/13/18 05:00	06/13/18 22:38	91-20-3	
Styrene	**<9.1**	ug/kg	30.2	9.1	1	06/13/18 05:00	06/13/18 22:38	100-42-5	
Tetrachloroethene	**<3.7**	ug/kg	12.4	3.7	1	06/13/18 05:00	06/13/18 22:38	127-18-4	
Toluene	**<2.3**	ug/kg	7.8	2.3	1	06/13/18 05:00	06/13/18 22:38	108-88-3	
Trichloroethene	**<2.3**	ug/kg	7.8	2.3	1	06/13/18 05:00	06/13/18 22:38	79-01-6	
Trichlorofluoromethane	**<3.3**	ug/kg	11.1	3.3	1	06/13/18 05:00	06/13/18 22:38	75-69-4	
Vinyl chloride	**<3.7**	ug/kg	12.3	3.7	1	06/13/18 05:00	06/13/18 22:38	75-01-4	
cis-1,2-Dichloroethene	**<3.2**	ug/kg	10.7	3.2	1	06/13/18 05:00	06/13/18 22:38	156-59-2	
cis-1,3-Dichloropropene	**<4.3**	ug/kg	14.4	4.3	1	06/13/18 05:00	06/13/18 22:38	10061-01-5	
m&p-Xylene	**<4.7**	ug/kg	15.8	4.7	1	06/13/18 05:00	06/13/18 22:38	179601-23-1	
n-Butylbenzene	**<3.3**	ug/kg	11.0	3.3	1	06/13/18 05:00	06/13/18 22:38	104-51-8	
n-Propylbenzene	**<2.7**	ug/kg	8.9	2.7	1	06/13/18 05:00	06/13/18 22:38	103-65-1	
o-Xylene	**<1.8**	ug/kg	6.0	1.8	1	06/13/18 05:00	06/13/18 22:38	95-47-6	
p-Isopropyltoluene	**<2.9**	ug/kg	9.6	2.9	1	06/13/18 05:00	06/13/18 22:38	99-87-6	
sec-Butylbenzene	**<2.7**	ug/kg	9.1	2.7	1	06/13/18 05:00	06/13/18 22:38	135-98-8	
tert-Butylbenzene	**<2.3**	ug/kg	7.7	2.3	1	06/13/18 05:00	06/13/18 22:38	98-06-6	
trans-1,2-Dichloroethene	**<2.2**	ug/kg	7.5	2.2	1	06/13/18 05:00	06/13/18 22:38	156-60-5	
trans-1,3-Dichloropropene	**<1.6**	ug/kg	5.3	1.6	1	06/13/18 05:00	06/13/18 22:38	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	100	%	70-130		1	06/13/18 05:00	06/13/18 22:38	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1	06/13/18 05:00	06/13/18 22:38	2037-26-5	
4-Bromofluorobenzene (S)	86	%	62-130		1	06/13/18 05:00	06/13/18 22:38	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**3.2**	%	0.10	0.10	1		06/07/18 18:06		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

Sample: GP-86 6.0-8.0 **Lab ID: 40170426002** Collected: 06/05/18 10:15 Received: 06/07/18 09:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<1.6**	ug/kg	5.2	1.6	1	06/13/18 05:00	06/13/18 23:00	630-20-6	
1,1,1-Trichloroethane	**<2.1**	ug/kg	7.0	2.1	1	06/13/18 05:00	06/13/18 23:00	71-55-6	
1,1,2,2-Tetrachloroethane	**<3.2**	ug/kg	10.7	3.2	1	06/13/18 05:00	06/13/18 23:00	79-34-5	
1,1,2-Trichloroethane	**<2.0**	ug/kg	6.6	2.0	1	06/13/18 05:00	06/13/18 23:00	79-00-5	
1,1-Dichloroethane	**<2.6**	ug/kg	8.8	2.6	1	06/13/18 05:00	06/13/18 23:00	75-34-3	
1,1-Dichloroethene	**<2.2**	ug/kg	7.3	2.2	1	06/13/18 05:00	06/13/18 23:00	75-35-4	
1,1-Dichloropropene	**<2.0**	ug/kg	6.8	2.0	1	06/13/18 05:00	06/13/18 23:00	563-58-6	
1,2,3-Trichlorobenzene	**<1.5**	ug/kg	5.1	1.5	1	06/13/18 05:00	06/13/18 23:00	87-61-6	
1,2,3-Trichloropropane	**<2.5**	ug/kg	8.3	2.5	1	06/13/18 05:00	06/13/18 23:00	96-18-4	
1,2,4-Trichlorobenzene	**<1.5**	ug/kg	5.1	1.5	1	06/13/18 05:00	06/13/18 23:00	120-82-1	
1,2,4-Trimethylbenzene	**<1.8**	ug/kg	6.0	1.8	1	06/13/18 05:00	06/13/18 23:00	95-63-6	
1,2-Dibromo-3-chloropropane	**<3.8**	ug/kg	12.8	3.8	1	06/13/18 05:00	06/13/18 23:00	96-12-8	
1,2-Dibromoethane (EDB)	**<0.23**	ug/kg	0.75	0.23	1	06/13/18 05:00	06/13/18 23:00	106-93-4	
1,2-Dichlorobenzene	**<1.6**	ug/kg	5.3	1.6	1	06/13/18 05:00	06/13/18 23:00	95-50-1	
1,2-Dichloroethane	**<0.26**	ug/kg	0.87	0.26	1	06/13/18 05:00	06/13/18 23:00	107-06-2	
1,2-Dichloropropane	**<1.7**	ug/kg	5.7	1.7	1	06/13/18 05:00	06/13/18 23:00	78-87-5	
1,3,5-Trimethylbenzene	**<2.0**	ug/kg	6.6	2.0	1	06/13/18 05:00	06/13/18 23:00	108-67-8	
1,3-Dichlorobenzene	**<1.8**	ug/kg	5.9	1.8	1	06/13/18 05:00	06/13/18 23:00	541-73-1	
1,3-Dichloropropane	**<1.4**	ug/kg	4.7	1.4	1	06/13/18 05:00	06/13/18 23:00	142-28-9	
1,4-Dichlorobenzene	**<1.9**	ug/kg	6.3	1.9	1	06/13/18 05:00	06/13/18 23:00	106-46-7	
2,2-Dichloropropane	**<2.1**	ug/kg	7.0	2.1	1	06/13/18 05:00	06/13/18 23:00	594-20-7	
2-Butanone (MEK)	**<4.7**	ug/kg	15.8	4.7	1	06/13/18 05:00	06/13/18 23:00	78-93-3	
2-Chlorotoluene	**<2.1**	ug/kg	7.0	2.1	1	06/13/18 05:00	06/13/18 23:00	95-49-8	
2-Propanol	**<22.1**	ug/kg	73.6	22.1	1	06/13/18 05:00	06/13/18 23:00	67-63-0	
4-Chlorotoluene	**<1.9**	ug/kg	6.2	1.9	1	06/13/18 05:00	06/13/18 23:00	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.8**	ug/kg	6.1	1.8	1	06/13/18 05:00	06/13/18 23:00	108-10-1	
Acetone	**<30.4**	ug/kg	101	30.4	1	06/13/18 05:00	06/13/18 23:00	67-64-1	
Benzene	**<1.7**	ug/kg	5.8	1.7	1	06/13/18 05:00	06/13/18 23:00	71-43-2	
Bromobenzene	**<1.7**	ug/kg	5.5	1.7	1	06/13/18 05:00	06/13/18 23:00	108-86-1	
Bromochloromethane	**<2.2**	ug/kg	7.5	2.2	1	06/13/18 05:00	06/13/18 23:00	74-97-5	
Bromodichloromethane	**<1.6**	ug/kg	5.3	1.6	1	06/13/18 05:00	06/13/18 23:00	75-27-4	
Bromoform	**<5.2**	ug/kg	17.4	5.2	1	06/13/18 05:00	06/13/18 23:00	75-25-2	
Bromomethane	**<3.9**	ug/kg	13.0	3.9	1	06/13/18 05:00	06/13/18 23:00	74-83-9	
Carbon tetrachloride	**<2.0**	ug/kg	6.8	2.0	1	06/13/18 05:00	06/13/18 23:00	56-23-5	
Chlorobenzene	**<1.9**	ug/kg	6.3	1.9	1	06/13/18 05:00	06/13/18 23:00	108-90-7	
Chloroethane	**<2.3**	ug/kg	7.8	2.3	1	06/13/18 05:00	06/13/18 23:00	75-00-3	
Chloroform	**<2.1**	ug/kg	7.0	2.1	1	06/13/18 05:00	06/13/18 23:00	67-66-3	
Chloromethane	**<1.6**	ug/kg	5.3	1.6	1	06/13/18 05:00	06/13/18 23:00	74-87-3	
Dibromochloromethane	**<1.6**	ug/kg	5.5	1.6	1	06/13/18 05:00	06/13/18 23:00	124-48-1	
Dibromomethane	**<1.9**	ug/kg	6.3	1.9	1	06/13/18 05:00	06/13/18 23:00	74-95-3	
Dichlorodifluoromethane	**<1.7**	ug/kg	5.7	1.7	1	06/13/18 05:00	06/13/18 23:00	75-71-8	
Diisopropyl ether	**<1.4**	ug/kg	4.8	1.4	1	06/13/18 05:00	06/13/18 23:00	108-20-3	
Ethylbenzene	**<2.2**	ug/kg	7.5	2.2	1	06/13/18 05:00	06/13/18 23:00	100-41-4	
Hexachloro-1,3-butadiene	**<2.6**	ug/kg	8.7	2.6	1	06/13/18 05:00	06/13/18 23:00	87-68-3	
Isopropylbenzene (Cumene)	**<1.9**	ug/kg	6.3	1.9	1	06/13/18 05:00	06/13/18 23:00	98-82-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

Sample: GP-86 6.0-8.0 **Lab ID: 40170426002** Collected: 06/05/18 10:15 Received: 06/07/18 09:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Methyl-tert-butyl ether	**<2.7**	ug/kg	8.9	2.7	1	06/13/18 05:00	06/13/18 23:00	1634-04-4	
Methylene Chloride	**3.2J**	ug/kg	6.0	1.8	1	06/13/18 05:00	06/13/18 23:00	75-09-2	
Naphthalene	**<2.7**	ug/kg	8.8	2.7	1	06/13/18 05:00	06/13/18 23:00	91-20-3	
Styrene	**<7.7**	ug/kg	25.7	7.7	1	06/13/18 05:00	06/13/18 23:00	100-42-5	
Tetrachloroethene	**<3.2**	ug/kg	10.6	3.2	1	06/13/18 05:00	06/13/18 23:00	127-18-4	
Toluene	**<2.0**	ug/kg	6.6	2.0	1	06/13/18 05:00	06/13/18 23:00	108-88-3	
Trichloroethene	**2.2J**	ug/kg	6.6	2.0	1	06/13/18 05:00	06/13/18 23:00	79-01-6	
Trichlorofluoromethane	**<2.8**	ug/kg	9.5	2.8	1	06/13/18 05:00	06/13/18 23:00	75-69-4	
Vinyl chloride	**<3.1**	ug/kg	10.5	3.1	1	06/13/18 05:00	06/13/18 23:00	75-01-4	
cis-1,2-Dichloroethene	**<2.7**	ug/kg	9.1	2.7	1	06/13/18 05:00	06/13/18 23:00	156-59-2	
cis-1,3-Dichloropropene	**<3.7**	ug/kg	12.3	3.7	1	06/13/18 05:00	06/13/18 23:00	10061-01-5	
m&p-Xylene	**<4.0**	ug/kg	13.4	4.0	1	06/13/18 05:00	06/13/18 23:00	179601-23-1	
n-Butylbenzene	**<2.8**	ug/kg	9.3	2.8	1	06/13/18 05:00	06/13/18 23:00	104-51-8	
n-Propylbenzene	**<2.3**	ug/kg	7.6	2.3	1	06/13/18 05:00	06/13/18 23:00	103-65-1	
o-Xylene	**<1.5**	ug/kg	5.1	1.5	1	06/13/18 05:00	06/13/18 23:00	95-47-6	
p-Isopropyltoluene	**<2.5**	ug/kg	8.2	2.5	1	06/13/18 05:00	06/13/18 23:00	99-87-6	
sec-Butylbenzene	**<2.3**	ug/kg	7.7	2.3	1	06/13/18 05:00	06/13/18 23:00	135-98-8	
tert-Butylbenzene	**<2.0**	ug/kg	6.5	2.0	1	06/13/18 05:00	06/13/18 23:00	98-06-6	
trans-1,2-Dichloroethene	**<1.9**	ug/kg	6.4	1.9	1	06/13/18 05:00	06/13/18 23:00	156-60-5	
trans-1,3-Dichloropropene	**<1.4**	ug/kg	4.5	1.4	1	06/13/18 05:00	06/13/18 23:00	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	103	%	70-130		1	06/13/18 05:00	06/13/18 23:00	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1	06/13/18 05:00	06/13/18 23:00	2037-26-5	
4-Bromofluorobenzene (S)	84	%	62-130		1	06/13/18 05:00	06/13/18 23:00	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.3**	%	0.10	0.10	1		06/07/18 18:06		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

Sample: GP-87 2.0-4.0 **Lab ID: 40170426003** Collected: 06/05/18 11:30 Received: 06/07/18 09:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<1.5**	ug/kg	4.9	1.5	1	06/13/18 05:00	06/13/18 23:23	630-20-6	
1,1,1-Trichloroethane	**2.8J**	ug/kg	6.6	2.0	1	06/13/18 05:00	06/13/18 23:23	71-55-6	
1,1,2,2-Tetrachloroethane	**<3.1**	ug/kg	10.2	3.1	1	06/13/18 05:00	06/13/18 23:23	79-34-5	
1,1,2-Trichloroethane	**22.1**	ug/kg	6.3	1.9	1	06/13/18 05:00	06/13/18 23:23	79-00-5	
1,1-Dichloroethane	**<2.5**	ug/kg	8.4	2.5	1	06/13/18 05:00	06/13/18 23:23	75-34-3	
1,1-Dichloroethene	**<2.1**	ug/kg	7.0	2.1	1	06/13/18 05:00	06/13/18 23:23	75-35-4	
1,1-Dichloropropene	**<1.9**	ug/kg	6.5	1.9	1	06/13/18 05:00	06/13/18 23:23	563-58-6	
1,2,3-Trichlorobenzene	**<1.5**	ug/kg	4.8	1.5	1	06/13/18 05:00	06/13/18 23:23	87-61-6	
1,2,3-Trichloropropane	**<2.4**	ug/kg	7.9	2.4	1	06/13/18 05:00	06/13/18 23:23	96-18-4	
1,2,4-Trichlorobenzene	**<1.5**	ug/kg	4.9	1.5	1	06/13/18 05:00	06/13/18 23:23	120-82-1	
1,2,4-Trimethylbenzene	**<1.7**	ug/kg	5.7	1.7	1	06/13/18 05:00	06/13/18 23:23	95-63-6	
1,2-Dibromo-3-chloropropane	**<3.7**	ug/kg	12.2	3.7	1	06/13/18 05:00	06/13/18 23:23	96-12-8	
1,2-Dibromoethane (EDB)	**<0.22**	ug/kg	0.72	0.22	1	06/13/18 05:00	06/13/18 23:23	106-93-4	
1,2-Dichlorobenzene	**<1.5**	ug/kg	5.0	1.5	1	06/13/18 05:00	06/13/18 23:23	95-50-1	
1,2-Dichloroethane	**<0.25**	ug/kg	0.83	0.25	1	06/13/18 05:00	06/13/18 23:23	107-06-2	
1,2-Dichloropropane	**<1.6**	ug/kg	5.4	1.6	1	06/13/18 05:00	06/13/18 23:23	78-87-5	
1,3,5-Trimethylbenzene	**<1.9**	ug/kg	6.3	1.9	1	06/13/18 05:00	06/13/18 23:23	108-67-8	
1,3-Dichlorobenzene	**<1.7**	ug/kg	5.7	1.7	1	06/13/18 05:00	06/13/18 23:23	541-73-1	
1,3-Dichloropropane	**<1.3**	ug/kg	4.5	1.3	1	06/13/18 05:00	06/13/18 23:23	142-28-9	
1,4-Dichlorobenzene	**<1.8**	ug/kg	6.0	1.8	1	06/13/18 05:00	06/13/18 23:23	106-46-7	
2,2-Dichloropropane	**<2.0**	ug/kg	6.7	2.0	1	06/13/18 05:00	06/13/18 23:23	594-20-7	
2-Butanone (MEK)	**<4.5**	ug/kg	15.0	4.5	1	06/13/18 05:00	06/13/18 23:23	78-93-3	
2-Chlorotoluene	**<2.0**	ug/kg	6.6	2.0	1	06/13/18 05:00	06/13/18 23:23	95-49-8	
2-Propanol	**<21.0**	ug/kg	70.1	21.0	1	06/13/18 05:00	06/13/18 23:23	67-63-0	
4-Chlorotoluene	**<1.8**	ug/kg	5.9	1.8	1	06/13/18 05:00	06/13/18 23:23	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.7**	ug/kg	5.8	1.7	1	06/13/18 05:00	06/13/18 23:23	108-10-1	
Acetone	**<28.9**	ug/kg	96.5	28.9	1	06/13/18 05:00	06/13/18 23:23	67-64-1	
Benzene	**<1.7**	ug/kg	5.5	1.7	1	06/13/18 05:00	06/13/18 23:23	71-43-2	
Bromobenzene	**<1.6**	ug/kg	5.3	1.6	1	06/13/18 05:00	06/13/18 23:23	108-86-1	
Bromochloromethane	**<2.1**	ug/kg	7.1	2.1	1	06/13/18 05:00	06/13/18 23:23	74-97-5	
Bromodichloromethane	**<1.5**	ug/kg	5.1	1.5	1	06/13/18 05:00	06/13/18 23:23	75-27-4	
Bromoform	**<5.0**	ug/kg	16.6	5.0	1	06/13/18 05:00	06/13/18 23:23	75-25-2	
Bromomethane	**<3.7**	ug/kg	12.4	3.7	1	06/13/18 05:00	06/13/18 23:23	74-83-9	
Carbon tetrachloride	**<1.9**	ug/kg	6.5	1.9	1	06/13/18 05:00	06/13/18 23:23	56-23-5	
Chlorobenzene	**<1.8**	ug/kg	6.0	1.8	1	06/13/18 05:00	06/13/18 23:23	108-90-7	
Chloroethane	**<2.2**	ug/kg	7.4	2.2	1	06/13/18 05:00	06/13/18 23:23	75-00-3	
Chloroform	**<2.0**	ug/kg	6.7	2.0	1	06/13/18 05:00	06/13/18 23:23	67-66-3	
Chloromethane	**<1.5**	ug/kg	5.1	1.5	1	06/13/18 05:00	06/13/18 23:23	74-87-3	
Dibromochloromethane	**<1.6**	ug/kg	5.2	1.6	1	06/13/18 05:00	06/13/18 23:23	124-48-1	
Dibromomethane	**<1.8**	ug/kg	6.0	1.8	1	06/13/18 05:00	06/13/18 23:23	74-95-3	
Dichlorodifluoromethane	**<1.6**	ug/kg	5.4	1.6	1	06/13/18 05:00	06/13/18 23:23	75-71-8	
Diisopropyl ether	**<1.4**	ug/kg	4.6	1.4	1	06/13/18 05:00	06/13/18 23:23	108-20-3	
Ethylbenzene	**<2.1**	ug/kg	7.1	2.1	1	06/13/18 05:00	06/13/18 23:23	100-41-4	
Hexachloro-1,3-butadiene	**<2.5**	ug/kg	8.3	2.5	1	06/13/18 05:00	06/13/18 23:23	87-68-3	
Isopropylbenzene (Cumene)	**<1.8**	ug/kg	6.0	1.8	1	06/13/18 05:00	06/13/18 23:23	98-82-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

Sample: GP-87 2.0-4.0 **Lab ID: 40170426003** Collected: 06/05/18 11:30 Received: 06/07/18 09:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Methyl-tert-butyl ether	**<2.5**	ug/kg	8.5	2.5	1	06/13/18 05:00	06/13/18 23:23	1634-04-4	
Methylene Chloride	**1.9J**	ug/kg	5.7	1.7	1	06/13/18 05:00	06/13/18 23:23	75-09-2	
Naphthalene	**<2.5**	ug/kg	8.4	2.5	1	06/13/18 05:00	06/13/18 23:23	91-20-3	
Styrene	**<7.3**	ug/kg	24.5	7.3	1	06/13/18 05:00	06/13/18 23:23	100-42-5	
Tetrachloroethene	**6.0J**	ug/kg	10.0	3.0	1	06/13/18 05:00	06/13/18 23:23	127-18-4	
Toluene	**<1.9**	ug/kg	6.3	1.9	1	06/13/18 05:00	06/13/18 23:23	108-88-3	
Trichloroethene	**7.4**	ug/kg	6.3	1.9	1	06/13/18 05:00	06/13/18 23:23	79-01-6	
Trichlorofluoromethane	**<2.7**	ug/kg	9.0	2.7	1	06/13/18 05:00	06/13/18 23:23	75-69-4	
Vinyl chloride	**<3.0**	ug/kg	10	3.0	1	06/13/18 05:00	06/13/18 23:23	75-01-4	
cis-1,2-Dichloroethene	**<2.6**	ug/kg	8.7	2.6	1	06/13/18 05:00	06/13/18 23:23	156-59-2	
cis-1,3-Dichloropropene	**<3.5**	ug/kg	11.7	3.5	1	06/13/18 05:00	06/13/18 23:23	10061-01-5	
m&p-Xylene	**<3.8**	ug/kg	12.8	3.8	1	06/13/18 05:00	06/13/18 23:23	179601-23-1	
n-Butylbenzene	**<2.7**	ug/kg	8.9	2.7	1	06/13/18 05:00	06/13/18 23:23	104-51-8	
n-Propylbenzene	**<2.2**	ug/kg	7.2	2.2	1	06/13/18 05:00	06/13/18 23:23	103-65-1	
o-Xylene	**<1.5**	ug/kg	4.9	1.5	1	06/13/18 05:00	06/13/18 23:23	95-47-6	
p-Isopropyltoluene	**<2.3**	ug/kg	7.8	2.3	1	06/13/18 05:00	06/13/18 23:23	99-87-6	
sec-Butylbenzene	**<2.2**	ug/kg	7.4	2.2	1	06/13/18 05:00	06/13/18 23:23	135-98-8	
tert-Butylbenzene	**<1.9**	ug/kg	6.2	1.9	1	06/13/18 05:00	06/13/18 23:23	98-06-6	
trans-1,2-Dichloroethene	**<1.8**	ug/kg	6.1	1.8	1	06/13/18 05:00	06/13/18 23:23	156-60-5	
trans-1,3-Dichloropropene	**<1.3**	ug/kg	4.3	1.3	1	06/13/18 05:00	06/13/18 23:23	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	100	%	70-130		1	06/13/18 05:00	06/13/18 23:23	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1	06/13/18 05:00	06/13/18 23:23	2037-26-5	
4-Bromofluorobenzene (S)	85	%	62-130		1	06/13/18 05:00	06/13/18 23:23	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.1**	%	0.10	0.10	1		06/07/18 18:06		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

Sample: GP-87 10.0-12.0 **Lab ID: 40170426004** Collected: 06/05/18 11:45 Received: 06/07/18 09:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<1.6**	ug/kg	5.5	1.6	1	06/13/18 05:00	06/13/18 23:45	630-20-6	
1,1,1-Trichloroethane	**<2.2**	ug/kg	7.4	2.2	1	06/13/18 05:00	06/13/18 23:45	71-55-6	
1,1,2,2-Tetrachloroethane	**<3.4**	ug/kg	11.3	3.4	1	06/13/18 05:00	06/13/18 23:45	79-34-5	
1,1,2-Trichloroethane	**<2.1**	ug/kg	7.0	2.1	1	06/13/18 05:00	06/13/18 23:45	79-00-5	
1,1-Dichloroethane	**<2.8**	ug/kg	9.3	2.8	1	06/13/18 05:00	06/13/18 23:45	75-34-3	
1,1-Dichloroethene	**<2.3**	ug/kg	7.8	2.3	1	06/13/18 05:00	06/13/18 23:45	75-35-4	
1,1-Dichloropropene	**<2.2**	ug/kg	7.2	2.2	1	06/13/18 05:00	06/13/18 23:45	563-58-6	
1,2,3-Trichlorobenzene	**<1.6**	ug/kg	5.4	1.6	1	06/13/18 05:00	06/13/18 23:45	87-61-6	
1,2,3-Trichloropropane	**<2.6**	ug/kg	8.8	2.6	1	06/13/18 05:00	06/13/18 23:45	96-18-4	
1,2,4-Trichlorobenzene	**<1.6**	ug/kg	5.4	1.6	1	06/13/18 05:00	06/13/18 23:45	120-82-1	
1,2,4-Trimethylbenzene	**<1.9**	ug/kg	6.4	1.9	1	06/13/18 05:00	06/13/18 23:45	95-63-6	
1,2-Dibromo-3-chloropropane	**<4.1**	ug/kg	13.5	4.1	1	06/13/18 05:00	06/13/18 23:45	96-12-8	
1,2-Dibromoethane (EDB)	**<0.24**	ug/kg	0.80	0.24	1	06/13/18 05:00	06/13/18 23:45	106-93-4	
1,2-Dichlorobenzene	**<1.7**	ug/kg	5.6	1.7	1	06/13/18 05:00	06/13/18 23:45	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/kg	0.92	0.28	1	06/13/18 05:00	06/13/18 23:45	107-06-2	
1,2-Dichloropropane	**<1.8**	ug/kg	6.0	1.8	1	06/13/18 05:00	06/13/18 23:45	78-87-5	
1,3,5-Trimethylbenzene	**<2.1**	ug/kg	6.9	2.1	1	06/13/18 05:00	06/13/18 23:45	108-67-8	
1,3-Dichlorobenzene	**<1.9**	ug/kg	6.3	1.9	1	06/13/18 05:00	06/13/18 23:45	541-73-1	
1,3-Dichloropropane	**<1.5**	ug/kg	5.0	1.5	1	06/13/18 05:00	06/13/18 23:45	142-28-9	
1,4-Dichlorobenzene	**<2.0**	ug/kg	6.6	2.0	1	06/13/18 05:00	06/13/18 23:45	106-46-7	
2,2-Dichloropropane	**<2.2**	ug/kg	7.4	2.2	1	06/13/18 05:00	06/13/18 23:45	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/kg	16.7	5.0	1	06/13/18 05:00	06/13/18 23:45	78-93-3	
2-Chlorotoluene	**<2.2**	ug/kg	7.3	2.2	1	06/13/18 05:00	06/13/18 23:45	95-49-8	
2-Propanol	**<23.3**	ug/kg	77.8	23.3	1	06/13/18 05:00	06/13/18 23:45	67-63-0	
4-Chlorotoluene	**<2.0**	ug/kg	6.5	2.0	1	06/13/18 05:00	06/13/18 23:45	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.9**	ug/kg	6.5	1.9	1	06/13/18 05:00	06/13/18 23:45	108-10-1	
Acetone	**<32.1**	ug/kg	107	32.1	1	06/13/18 05:00	06/13/18 23:45	67-64-1	
Benzene	**<1.8**	ug/kg	6.2	1.8	1	06/13/18 05:00	06/13/18 23:45	71-43-2	
Bromobenzene	**<1.7**	ug/kg	5.8	1.7	1	06/13/18 05:00	06/13/18 23:45	108-86-1	
Bromochloromethane	**<2.4**	ug/kg	7.9	2.4	1	06/13/18 05:00	06/13/18 23:45	74-97-5	
Bromodichloromethane	**<1.7**	ug/kg	5.6	1.7	1	06/13/18 05:00	06/13/18 23:45	75-27-4	
Bromoform	**<5.5**	ug/kg	18.4	5.5	1	06/13/18 05:00	06/13/18 23:45	75-25-2	
Bromomethane	**<4.1**	ug/kg	13.7	4.1	1	06/13/18 05:00	06/13/18 23:45	74-83-9	
Carbon tetrachloride	**<2.2**	ug/kg	7.2	2.2	1	06/13/18 05:00	06/13/18 23:45	56-23-5	
Chlorobenzene	**<2.0**	ug/kg	6.7	2.0	1	06/13/18 05:00	06/13/18 23:45	108-90-7	
Chloroethane	**<2.5**	ug/kg	8.2	2.5	1	06/13/18 05:00	06/13/18 23:45	75-00-3	
Chloroform	**<2.2**	ug/kg	7.4	2.2	1	06/13/18 05:00	06/13/18 23:45	67-66-3	
Chloromethane	**<1.7**	ug/kg	5.6	1.7	1	06/13/18 05:00	06/13/18 23:45	74-87-3	
Dibromochloromethane	**<1.7**	ug/kg	5.8	1.7	1	06/13/18 05:00	06/13/18 23:45	124-48-1	
Dibromomethane	**<2.0**	ug/kg	6.7	2.0	1	06/13/18 05:00	06/13/18 23:45	74-95-3	
Dichlorodifluoromethane	**<1.8**	ug/kg	6.0	1.8	1	06/13/18 05:00	06/13/18 23:45	75-71-8	
Diisopropyl ether	**<1.5**	ug/kg	5.1	1.5	1	06/13/18 05:00	06/13/18 23:45	108-20-3	
Ethylbenzene	**<2.4**	ug/kg	7.9	2.4	1	06/13/18 05:00	06/13/18 23:45	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/kg	9.2	2.7	1	06/13/18 05:00	06/13/18 23:45	87-68-3	
Isopropylbenzene (Cumene)	**<2.0**	ug/kg	6.6	2.0	1	06/13/18 05:00	06/13/18 23:45	98-82-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

Sample: GP-87 10.0-12.0 **Lab ID: 40170426004** Collected: 06/05/18 11:45 Received: 06/07/18 09:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Methyl-tert-butyl ether	**<2.8**	ug/kg	9.4	2.8	1	06/13/18 05:00	06/13/18 23:45	1634-04-4	
Methylene Chloride	**3.5J**	ug/kg	6.3	1.9	1	06/13/18 05:00	06/13/18 23:45	75-09-2	
Naphthalene	**<2.8**	ug/kg	9.3	2.8	1	06/13/18 05:00	06/13/18 23:45	91-20-3	
Styrene	**<8.1**	ug/kg	27.1	8.1	1	06/13/18 05:00	06/13/18 23:45	100-42-5	
Tetrachloroethene	**<3.3**	ug/kg	11.1	3.3	1	06/13/18 05:00	06/13/18 23:45	127-18-4	
Toluene	**<2.1**	ug/kg	7.0	2.1	1	06/13/18 05:00	06/13/18 23:45	108-88-3	
Trichloroethene	**<2.1**	ug/kg	7.0	2.1	1	06/13/18 05:00	06/13/18 23:45	79-01-6	
Trichlorofluoromethane	**<3.0**	ug/kg	10.0	3.0	1	06/13/18 05:00	06/13/18 23:45	75-69-4	
Vinyl chloride	**<3.3**	ug/kg	11.0	3.3	1	06/13/18 05:00	06/13/18 23:45	75-01-4	
cis-1,2-Dichloroethene	**<2.9**	ug/kg	9.7	2.9	1	06/13/18 05:00	06/13/18 23:45	156-59-2	
cis-1,3-Dichloropropene	**<3.9**	ug/kg	12.9	3.9	1	06/13/18 05:00	06/13/18 23:45	10061-01-5	
m&p-Xylene	**<4.3**	ug/kg	14.2	4.3	1	06/13/18 05:00	06/13/18 23:45	179601-23-1	
n-Butylbenzene	**<3.0**	ug/kg	9.9	3.0	1	06/13/18 05:00	06/13/18 23:45	104-51-8	
n-Propylbenzene	**<2.4**	ug/kg	8.0	2.4	1	06/13/18 05:00	06/13/18 23:45	103-65-1	
o-Xylene	**<1.6**	ug/kg	5.4	1.6	1	06/13/18 05:00	06/13/18 23:45	95-47-6	
p-Isopropyltoluene	**<2.6**	ug/kg	8.6	2.6	1	06/13/18 05:00	06/13/18 23:45	99-87-6	
sec-Butylbenzene	**<2.4**	ug/kg	8.2	2.4	1	06/13/18 05:00	06/13/18 23:45	135-98-8	
tert-Butylbenzene	**<2.1**	ug/kg	6.9	2.1	1	06/13/18 05:00	06/13/18 23:45	98-06-6	
trans-1,2-Dichloroethene	**<2.0**	ug/kg	6.7	2.0	1	06/13/18 05:00	06/13/18 23:45	156-60-5	
trans-1,3-Dichloropropene	**<1.4**	ug/kg	4.8	1.4	1	06/13/18 05:00	06/13/18 23:45	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	103	%	70-130		1	06/13/18 05:00	06/13/18 23:45	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1	06/13/18 05:00	06/13/18 23:45	2037-26-5	
4-Bromofluorobenzene (S)	83	%	62-130		1	06/13/18 05:00	06/13/18 23:45	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**2.1**	%	0.10	0.10	1		06/07/18 18:06		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

Sample: GP-88 0.5-2.0 **Lab ID: 40170426005** Collected: 06/06/18 09:00 Received: 06/07/18 09:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<1.8**	ug/kg	6.1	1.8	1	06/13/18 05:00	06/14/18 00:07	630-20-6	
1,1,1-Trichloroethane	**6.0J**	ug/kg	8.2	2.5	1	06/13/18 05:00	06/14/18 00:07	71-55-6	
1,1,2,2-Tetrachloroethane	**<3.8**	ug/kg	12.6	3.8	1	06/13/18 05:00	06/14/18 00:07	79-34-5	
1,1,2-Trichloroethane	**10.4**	ug/kg	7.8	2.3	1	06/13/18 05:00	06/14/18 00:07	79-00-5	
1,1-Dichloroethane	**<3.1**	ug/kg	10.4	3.1	1	06/13/18 05:00	06/14/18 00:07	75-34-3	
1,1-Dichloroethene	**<2.6**	ug/kg	8.7	2.6	1	06/13/18 05:00	06/14/18 00:07	75-35-4	
1,1-Dichloropropene	**<2.4**	ug/kg	8.0	2.4	1	06/13/18 05:00	06/14/18 00:07	563-58-6	
1,2,3-Trichlorobenzene	**<1.8**	ug/kg	6.0	1.8	1	06/13/18 05:00	06/14/18 00:07	87-61-6	
1,2,3-Trichloropropane	**<2.9**	ug/kg	9.8	2.9	1	06/13/18 05:00	06/14/18 00:07	96-18-4	
1,2,4-Trichlorobenzene	**<1.8**	ug/kg	6.1	1.8	1	06/13/18 05:00	06/14/18 00:07	120-82-1	
1,2,4-Trimethylbenzene	**<2.1**	ug/kg	7.1	2.1	1	06/13/18 05:00	06/14/18 00:07	95-63-6	
1,2-Dibromo-3-chloropropane	**<4.5**	ug/kg	15.1	4.5	1	06/13/18 05:00	06/14/18 00:07	96-12-8	
1,2-Dibromoethane (EDB)	**<0.27**	ug/kg	0.89	0.27	1	06/13/18 05:00	06/14/18 00:07	106-93-4	
1,2-Dichlorobenzene	**<1.9**	ug/kg	6.2	1.9	1	06/13/18 05:00	06/14/18 00:07	95-50-1	
1,2-Dichloroethane	**<0.31**	ug/kg	1.0	0.31	1	06/13/18 05:00	06/14/18 00:07	107-06-2	
1,2-Dichloropropane	**<2.0**	ug/kg	6.7	2.0	1	06/13/18 05:00	06/14/18 00:07	78-87-5	
1,3,5-Trimethylbenzene	**<2.3**	ug/kg	7.7	2.3	1	06/13/18 05:00	06/14/18 00:07	108-67-8	
1,3-Dichlorobenzene	**<2.1**	ug/kg	7.0	2.1	1	06/13/18 05:00	06/14/18 00:07	541-73-1	
1,3-Dichloropropane	**<1.7**	ug/kg	5.5	1.7	1	06/13/18 05:00	06/14/18 00:07	142-28-9	
1,4-Dichlorobenzene	**<2.2**	ug/kg	7.4	2.2	1	06/13/18 05:00	06/14/18 00:07	106-46-7	
2,2-Dichloropropane	**<2.5**	ug/kg	8.3	2.5	1	06/13/18 05:00	06/14/18 00:07	594-20-7	
2-Butanone (MEK)	**<5.6**	ug/kg	18.6	5.6	1	06/13/18 05:00	06/14/18 00:07	78-93-3	
2-Chlorotoluene	**<2.5**	ug/kg	8.2	2.5	1	06/13/18 05:00	06/14/18 00:07	95-49-8	
2-Propanol	**<26.0**	ug/kg	86.8	26.0	1	06/13/18 05:00	06/14/18 00:07	67-63-0	
4-Chlorotoluene	**<2.2**	ug/kg	7.3	2.2	1	06/13/18 05:00	06/14/18 00:07	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<2.2**	ug/kg	7.2	2.2	1	06/13/18 05:00	06/14/18 00:07	108-10-1	
Acetone	**<35.8**	ug/kg	119	35.8	1	06/13/18 05:00	06/14/18 00:07	67-64-1	
Benzene	**<2.1**	ug/kg	6.9	2.1	1	06/13/18 05:00	06/14/18 00:07	71-43-2	
Bromobenzene	**<2.0**	ug/kg	6.5	2.0	1	06/13/18 05:00	06/14/18 00:07	108-86-1	
Bromochloromethane	**<2.6**	ug/kg	8.8	2.6	1	06/13/18 05:00	06/14/18 00:07	74-97-5	
Bromodichloromethane	**<1.9**	ug/kg	6.3	1.9	1	06/13/18 05:00	06/14/18 00:07	75-27-4	
Bromoform	**<6.2**	ug/kg	20.5	6.2	1	06/13/18 05:00	06/14/18 00:07	75-25-2	
Bromomethane	**<4.6**	ug/kg	15.3	4.6	1	06/13/18 05:00	06/14/18 00:07	74-83-9	
Carbon tetrachloride	**<2.4**	ug/kg	8.0	2.4	1	06/13/18 05:00	06/14/18 00:07	56-23-5	
Chlorobenzene	**<2.2**	ug/kg	7.4	2.2	1	06/13/18 05:00	06/14/18 00:07	108-90-7	
Chloroethane	**<2.8**	ug/kg	9.2	2.8	1	06/13/18 05:00	06/14/18 00:07	75-00-3	
Chloroform	**<2.5**	ug/kg	8.2	2.5	1	06/13/18 05:00	06/14/18 00:07	67-66-3	
Chloromethane	**<1.9**	ug/kg	6.3	1.9	1	06/13/18 05:00	06/14/18 00:07	74-87-3	
Dibromochloromethane	**<1.9**	ug/kg	6.4	1.9	1	06/13/18 05:00	06/14/18 00:07	124-48-1	
Dibromomethane	**<2.2**	ug/kg	7.5	2.2	1	06/13/18 05:00	06/14/18 00:07	74-95-3	
Dichlorodifluoromethane	**<2.0**	ug/kg	6.7	2.0	1	06/13/18 05:00	06/14/18 00:07	75-71-8	
Diisopropyl ether	**<1.7**	ug/kg	5.7	1.7	1	06/13/18 05:00	06/14/18 00:07	108-20-3	
Ethylbenzene	**<2.6**	ug/kg	8.8	2.6	1	06/13/18 05:00	06/14/18 00:07	100-41-4	
Hexachloro-1,3-butadiene	**<3.1**	ug/kg	10.2	3.1	1	06/13/18 05:00	06/14/18 00:07	87-68-3	
Isopropylbenzene (Cumene)	**<2.2**	ug/kg	7.4	2.2	1	06/13/18 05:00	06/14/18 00:07	98-82-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

Sample: GP-88 0.5-2.0 **Lab ID: 40170426005** Collected: 06/06/18 09:00 Received: 06/07/18 09:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Methyl-tert-butyl ether	**<3.2**	ug/kg	10.5	3.2	1	06/13/18 05:00	06/14/18 00:07	1634-04-4	
Methylene Chloride	**4.5J**	ug/kg	7.0	2.1	1	06/13/18 05:00	06/14/18 00:07	75-09-2	
Naphthalene	**<3.1**	ug/kg	10.4	3.1	1	06/13/18 05:00	06/14/18 00:07	91-20-3	
Styrene	**<9.1**	ug/kg	30.3	9.1	1	06/13/18 05:00	06/14/18 00:07	100-42-5	
Tetrachloroethene	**19.0**	ug/kg	12.4	3.7	1	06/13/18 05:00	06/14/18 00:07	127-18-4	
Toluene	**<2.3**	ug/kg	7.8	2.3	1	06/13/18 05:00	06/14/18 00:07	108-88-3	
Trichloroethene	**9.4**	ug/kg	7.8	2.3	1	06/13/18 05:00	06/14/18 00:07	79-01-6	
Trichlorofluoromethane	**<3.3**	ug/kg	11.2	3.3	1	06/13/18 05:00	06/14/18 00:07	75-69-4	
Vinyl chloride	**<3.7**	ug/kg	12.3	3.7	1	06/13/18 05:00	06/14/18 00:07	75-01-4	
cis-1,2-Dichloroethene	**<3.2**	ug/kg	10.8	3.2	1	06/13/18 05:00	06/14/18 00:07	156-59-2	
cis-1,3-Dichloropropene	**<4.3**	ug/kg	14.4	4.3	1	06/13/18 05:00	06/14/18 00:07	10061-01-5	
m&p-Xylene	**<4.8**	ug/kg	15.8	4.8	1	06/13/18 05:00	06/14/18 00:07	179601-23-1	
n-Butylbenzene	**<3.3**	ug/kg	11.0	3.3	1	06/13/18 05:00	06/14/18 00:07	104-51-8	
n-Propylbenzene	**<2.7**	ug/kg	9.0	2.7	1	06/13/18 05:00	06/14/18 00:07	103-65-1	
o-Xylene	**<1.8**	ug/kg	6.1	1.8	1	06/13/18 05:00	06/14/18 00:07	95-47-6	
p-Isopropyltoluene	**<2.9**	ug/kg	9.6	2.9	1	06/13/18 05:00	06/14/18 00:07	99-87-6	
sec-Butylbenzene	**<2.7**	ug/kg	9.1	2.7	1	06/13/18 05:00	06/14/18 00:07	135-98-8	
tert-Butylbenzene	**<2.3**	ug/kg	7.7	2.3	1	06/13/18 05:00	06/14/18 00:07	98-06-6	
trans-1,2-Dichloroethene	**<2.2**	ug/kg	7.5	2.2	1	06/13/18 05:00	06/14/18 00:07	156-60-5	
trans-1,3-Dichloropropene	**<1.6**	ug/kg	5.3	1.6	1	06/13/18 05:00	06/14/18 00:07	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	105	%	70-130		1	06/13/18 05:00	06/14/18 00:07	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1	06/13/18 05:00	06/14/18 00:07	2037-26-5	
4-Bromofluorobenzene (S)	83	%	62-130		1	06/13/18 05:00	06/14/18 00:07	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.7**	%	0.10	0.10	1		06/07/18 18:07		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

Sample: GP-88 8.0-10.0 **Lab ID: 40170426006** Collected: 06/06/18 09:15 Received: 06/07/18 09:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<1.8**	ug/kg	5.9	1.8	1	06/18/18 05:00	06/18/18 15:52	630-20-6	
1,1,1-Trichloroethane	**<2.4**	ug/kg	8.0	2.4	1	06/18/18 05:00	06/18/18 15:52	71-55-6	
1,1,2,2-Tetrachloroethane	**<3.7**	ug/kg	12.2	3.7	1	06/18/18 05:00	06/18/18 15:52	79-34-5	
1,1,2-Trichloroethane	**<2.3**	ug/kg	7.6	2.3	1	06/18/18 05:00	06/18/18 15:52	79-00-5	
1,1-Dichloroethane	**<3.0**	ug/kg	10.1	3.0	1	06/18/18 05:00	06/18/18 15:52	75-34-3	
1,1-Dichloroethene	**<2.5**	ug/kg	8.4	2.5	1	06/18/18 05:00	06/18/18 15:52	75-35-4	
1,1-Dichloropropene	**<2.3**	ug/kg	7.8	2.3	1	06/18/18 05:00	06/18/18 15:52	563-58-6	
1,2,3-Trichlorobenzene	**<1.7**	ug/kg	5.8	1.7	1	06/18/18 05:00	06/18/18 15:52	87-61-6	
1,2,3-Trichloropropane	**<2.8**	ug/kg	9.5	2.8	1	06/18/18 05:00	06/18/18 15:52	96-18-4	
1,2,4-Trichlorobenzene	**<1.8**	ug/kg	5.9	1.8	1	06/18/18 05:00	06/18/18 15:52	120-82-1	
1,2,4-Trimethylbenzene	**<2.1**	ug/kg	6.9	2.1	1	06/18/18 05:00	06/18/18 15:52	95-63-6	
1,2-Dibromo-3-chloropropane	**<4.4**	ug/kg	14.6	4.4	1	06/18/18 05:00	06/18/18 15:52	96-12-8	
1,2-Dibromoethane (EDB)	**<0.26**	ug/kg	0.86	0.26	1	06/18/18 05:00	06/18/18 15:52	106-93-4	
1,2-Dichlorobenzene	**<1.8**	ug/kg	6.0	1.8	1	06/18/18 05:00	06/18/18 15:52	95-50-1	
1,2-Dichloroethane	**<0.30**	ug/kg	0.99	0.30	1	06/18/18 05:00	06/18/18 15:52	107-06-2	
1,2-Dichloropropane	**<1.9**	ug/kg	6.5	1.9	1	06/18/18 05:00	06/18/18 15:52	78-87-5	
1,3,5-Trimethylbenzene	**<2.3**	ug/kg	7.5	2.3	1	06/18/18 05:00	06/18/18 15:52	108-67-8	
1,3-Dichlorobenzene	**<2.0**	ug/kg	6.8	2.0	1	06/18/18 05:00	06/18/18 15:52	541-73-1	
1,3-Dichloropropane	**<1.6**	ug/kg	5.4	1.6	1	06/18/18 05:00	06/18/18 15:52	142-28-9	
1,4-Dichlorobenzene	**<2.1**	ug/kg	7.2	2.1	1	06/18/18 05:00	06/18/18 15:52	106-46-7	
2,2-Dichloropropane	**<2.4**	ug/kg	8.0	2.4	1	06/18/18 05:00	06/18/18 15:52	594-20-7	
2-Butanone (MEK)	**<5.4**	ug/kg	18.0	5.4	1	06/18/18 05:00	06/18/18 15:52	78-93-3	
2-Chlorotoluene	**<2.4**	ug/kg	7.9	2.4	1	06/18/18 05:00	06/18/18 15:52	95-49-8	
2-Propanol	**<25.2**	ug/kg	84.1	25.2	1	06/18/18 05:00	06/18/18 15:52	67-63-0	
4-Chlorotoluene	**<2.1**	ug/kg	7.1	2.1	1	06/18/18 05:00	06/18/18 15:52	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/kg	7.0	2.1	1	06/18/18 05:00	06/18/18 15:52	108-10-1	
Acetone	**<34.7**	ug/kg	116	34.7	1	06/18/18 05:00	06/18/18 15:52	67-64-1	
Benzene	**<2.0**	ug/kg	6.7	2.0	1	06/18/18 05:00	06/18/18 15:52	71-43-2	
Bromobenzene	**<1.9**	ug/kg	6.3	1.9	1	06/18/18 05:00	06/18/18 15:52	108-86-1	
Bromochloromethane	**<2.6**	ug/kg	8.5	2.6	1	06/18/18 05:00	06/18/18 15:52	74-97-5	
Bromodichloromethane	**<1.8**	ug/kg	6.1	1.8	1	06/18/18 05:00	06/18/18 15:52	75-27-4	
Bromoform	**<6.0**	ug/kg	19.9	6.0	1	06/18/18 05:00	06/18/18 15:52	75-25-2	
Bromomethane	**<4.4**	ug/kg	14.8	4.4	1	06/18/18 05:00	06/18/18 15:52	74-83-9	
Carbon tetrachloride	**<2.3**	ug/kg	7.8	2.3	1	06/18/18 05:00	06/18/18 15:52	56-23-5	
Chlorobenzene	**<2.2**	ug/kg	7.2	2.2	1	06/18/18 05:00	06/18/18 15:52	108-90-7	
Chloroethane	**<2.7**	ug/kg	8.9	2.7	1	06/18/18 05:00	06/18/18 15:52	75-00-3	
Chloroform	**<2.4**	ug/kg	8.0	2.4	1	06/18/18 05:00	06/18/18 15:52	67-66-3	
Chloromethane	**<1.8**	ug/kg	6.1	1.8	1	06/18/18 05:00	06/18/18 15:52	74-87-3	
Dibromochloromethane	**<1.9**	ug/kg	6.3	1.9	1	06/18/18 05:00	06/18/18 15:52	124-48-1	
Dibromomethane	**<2.2**	ug/kg	7.3	2.2	1	06/18/18 05:00	06/18/18 15:52	74-95-3	
Dichlorodifluoromethane	**<1.9**	ug/kg	6.5	1.9	1	06/18/18 05:00	06/18/18 15:52	75-71-8	
Diisopropyl ether	**<1.6**	ug/kg	5.5	1.6	1	06/18/18 05:00	06/18/18 15:52	108-20-3	
Ethylbenzene	**<2.6**	ug/kg	8.5	2.6	1	06/18/18 05:00	06/18/18 15:52	100-41-4	
Hexachloro-1,3-butadiene	**<3.0**	ug/kg	9.9	3.0	1	06/18/18 05:00	06/18/18 15:52	87-68-3	
Isopropylbenzene (Cumene)	**<2.1**	ug/kg	7.1	2.1	1	06/18/18 05:00	06/18/18 15:52	98-82-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

Sample: GP-88 8.0-10.0 **Lab ID: 40170426006** Collected: 06/06/18 09:15 Received: 06/07/18 09:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Methyl-tert-butyl ether	**<3.1**	ug/kg	10.2	3.1	1	06/18/18 05:00	06/18/18 15:52	1634-04-4	
Methylene Chloride	**2.7J**	ug/kg	6.8	2.0	1	06/18/18 05:00	06/18/18 15:52	75-09-2	
Naphthalene	**<3.0**	ug/kg	10.1	3.0	1	06/18/18 05:00	06/18/18 15:52	91-20-3	
Styrene	**<8.8**	ug/kg	29.3	8.8	1	06/18/18 05:00	06/18/18 15:52	100-42-5	
Tetrachloroethene	**<3.6**	ug/kg	12.1	3.6	1	06/18/18 05:00	06/18/18 15:52	127-18-4	
Toluene	**<2.3**	ug/kg	7.6	2.3	1	06/18/18 05:00	06/18/18 15:52	108-88-3	
Trichloroethene	**<2.3**	ug/kg	7.6	2.3	1	06/18/18 05:00	06/18/18 15:52	79-01-6	
Trichlorofluoromethane	**<3.2**	ug/kg	10.8	3.2	1	06/18/18 05:00	06/18/18 15:52	75-69-4	
Vinyl chloride	**<3.6**	ug/kg	11.9	3.6	1	06/18/18 05:00	06/18/18 15:52	75-01-4	
cis-1,2-Dichloroethene	**<3.1**	ug/kg	10.4	3.1	1	06/18/18 05:00	06/18/18 15:52	156-59-2	
cis-1,3-Dichloropropene	**<4.2**	ug/kg	14.0	4.2	1	06/18/18 05:00	06/18/18 15:52	10061-01-5	
m&p-Xylene	**<4.6**	ug/kg	15.4	4.6	1	06/18/18 05:00	06/18/18 15:52	179601-23-1	
n-Butylbenzene	**<3.2**	ug/kg	10.7	3.2	1	06/18/18 05:00	06/18/18 15:52	104-51-8	
n-Propylbenzene	**<2.6**	ug/kg	8.7	2.6	1	06/18/18 05:00	06/18/18 15:52	103-65-1	
o-Xylene	**<1.8**	ug/kg	5.9	1.8	1	06/18/18 05:00	06/18/18 15:52	95-47-6	
p-Isopropyltoluene	**<2.8**	ug/kg	9.3	2.8	1	06/18/18 05:00	06/18/18 15:52	99-87-6	
sec-Butylbenzene	**<2.6**	ug/kg	8.8	2.6	1	06/18/18 05:00	06/18/18 15:52	135-98-8	
tert-Butylbenzene	**<2.2**	ug/kg	7.5	2.2	1	06/18/18 05:00	06/18/18 15:52	98-06-6	
trans-1,2-Dichloroethene	**<2.2**	ug/kg	7.3	2.2	1	06/18/18 05:00	06/18/18 15:52	156-60-5	
trans-1,3-Dichloropropene	**<1.6**	ug/kg	5.2	1.6	1	06/18/18 05:00	06/18/18 15:52	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	94	%	70-130		1	06/18/18 05:00	06/18/18 15:52	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1	06/18/18 05:00	06/18/18 15:52	2037-26-5	
4-Bromofluorobenzene (S)	92	%	62-130		1	06/18/18 05:00	06/18/18 15:52	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.9**	%	0.10	0.10	1		06/07/18 18:07		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

Sample: GP-89 4.0-6.0 **Lab ID: 40170426007** Collected: 06/05/18 16:30 Received: 06/07/18 09:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<1.7**	ug/kg	5.8	1.7	1	06/18/18 05:00	06/18/18 16:15	630-20-6	
1,1,1-Trichloroethane	**<2.3**	ug/kg	7.8	2.3	1	06/18/18 05:00	06/18/18 16:15	71-55-6	
1,1,2,2-Tetrachloroethane	**<3.6**	ug/kg	12.0	3.6	1	06/18/18 05:00	06/18/18 16:15	79-34-5	
1,1,2-Trichloroethane	**<2.2**	ug/kg	7.4	2.2	1	06/18/18 05:00	06/18/18 16:15	79-00-5	
1,1-Dichloroethane	**<3.0**	ug/kg	9.9	3.0	1	06/18/18 05:00	06/18/18 16:15	75-34-3	
1,1-Dichloroethene	**<2.5**	ug/kg	8.2	2.5	1	06/18/18 05:00	06/18/18 16:15	75-35-4	
1,1-Dichloropropene	**<2.3**	ug/kg	7.6	2.3	1	06/18/18 05:00	06/18/18 16:15	563-58-6	
1,2,3-Trichlorobenzene	**<1.7**	ug/kg	5.7	1.7	1	06/18/18 05:00	06/18/18 16:15	87-61-6	
1,2,3-Trichloropropane	**<2.8**	ug/kg	9.3	2.8	1	06/18/18 05:00	06/18/18 16:15	96-18-4	
1,2,4-Trichlorobenzene	**<1.7**	ug/kg	5.8	1.7	1	06/18/18 05:00	06/18/18 16:15	120-82-1	
1,2,4-Trimethylbenzene	**<2.0**	ug/kg	6.8	2.0	1	06/18/18 05:00	06/18/18 16:15	95-63-6	
1,2-Dibromo-3-chloropropane	**<4.3**	ug/kg	14.3	4.3	1	06/18/18 05:00	06/18/18 16:15	96-12-8	
1,2-Dibromoethane (EDB)	**<0.25**	ug/kg	0.84	0.25	1	06/18/18 05:00	06/18/18 16:15	106-93-4	
1,2-Dichlorobenzene	**<1.8**	ug/kg	5.9	1.8	1	06/18/18 05:00	06/18/18 16:15	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/kg	0.97	0.29	1	06/18/18 05:00	06/18/18 16:15	107-06-2	
1,2-Dichloropropane	**<1.9**	ug/kg	6.4	1.9	1	06/18/18 05:00	06/18/18 16:15	78-87-5	
1,3,5-Trimethylbenzene	**<2.2**	ug/kg	7.4	2.2	1	06/18/18 05:00	06/18/18 16:15	108-67-8	
1,3-Dichlorobenzene	**<2.0**	ug/kg	6.7	2.0	1	06/18/18 05:00	06/18/18 16:15	541-73-1	
1,3-Dichloropropane	**<1.6**	ug/kg	5.3	1.6	1	06/18/18 05:00	06/18/18 16:15	142-28-9	
1,4-Dichlorobenzene	**<2.1**	ug/kg	7.0	2.1	1	06/18/18 05:00	06/18/18 16:15	106-46-7	
2,2-Dichloropropane	**<2.4**	ug/kg	7.9	2.4	1	06/18/18 05:00	06/18/18 16:15	594-20-7	
2-Butanone (MEK)	**<5.3**	ug/kg	17.7	5.3	1	06/18/18 05:00	06/18/18 16:15	78-93-3	
2-Chlorotoluene	**<2.3**	ug/kg	7.8	2.3	1	06/18/18 05:00	06/18/18 16:15	95-49-8	
2-Propanol	**<24.8**	ug/kg	82.6	24.8	1	06/18/18 05:00	06/18/18 16:15	67-63-0	
4-Chlorotoluene	**<2.1**	ug/kg	6.9	2.1	1	06/18/18 05:00	06/18/18 16:15	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/kg	6.9	2.1	1	06/18/18 05:00	06/18/18 16:15	108-10-1	
Acetone	**<34.1**	ug/kg	114	34.1	1	06/18/18 05:00	06/18/18 16:15	67-64-1	
Benzene	**<2.0**	ug/kg	6.5	2.0	1	06/18/18 05:00	06/18/18 16:15	71-43-2	
Bromobenzene	**<1.9**	ug/kg	6.2	1.9	1	06/18/18 05:00	06/18/18 16:15	108-86-1	
Bromochloromethane	**<2.5**	ug/kg	8.4	2.5	1	06/18/18 05:00	06/18/18 16:15	74-97-5	
Bromodichloromethane	**<1.8**	ug/kg	6.0	1.8	1	06/18/18 05:00	06/18/18 16:15	75-27-4	
Bromoform	**<5.9**	ug/kg	19.5	5.9	1	06/18/18 05:00	06/18/18 16:15	75-25-2	
Bromomethane	**<4.4**	ug/kg	14.6	4.4	1	06/18/18 05:00	06/18/18 16:15	74-83-9	
Carbon tetrachloride	**<2.3**	ug/kg	7.6	2.3	1	06/18/18 05:00	06/18/18 16:15	56-23-5	
Chlorobenzene	**<2.1**	ug/kg	7.1	2.1	1	06/18/18 05:00	06/18/18 16:15	108-90-7	
Chloroethane	**<2.6**	ug/kg	8.7	2.6	1	06/18/18 05:00	06/18/18 16:15	75-00-3	
Chloroform	**<2.3**	ug/kg	7.8	2.3	1	06/18/18 05:00	06/18/18 16:15	67-66-3	
Chloromethane	**<1.8**	ug/kg	6.0	1.8	1	06/18/18 05:00	06/18/18 16:15	74-87-3	
Dibromochloromethane	**<1.8**	ug/kg	6.1	1.8	1	06/18/18 05:00	06/18/18 16:15	124-48-1	
Dibromomethane	**<2.1**	ug/kg	7.1	2.1	1	06/18/18 05:00	06/18/18 16:15	74-95-3	
Dichlorodifluoromethane	**<1.9**	ug/kg	6.4	1.9	1	06/18/18 05:00	06/18/18 16:15	75-71-8	
Diisopropyl ether	**<1.6**	ug/kg	5.4	1.6	1	06/18/18 05:00	06/18/18 16:15	108-20-3	
Ethylbenzene	**<2.5**	ug/kg	8.4	2.5	1	06/18/18 05:00	06/18/18 16:15	100-41-4	
Hexachloro-1,3-butadiene	**<2.9**	ug/kg	9.7	2.9	1	06/18/18 05:00	06/18/18 16:15	87-68-3	
Isopropylbenzene (Cumene)	**<2.1**	ug/kg	7.0	2.1	1	06/18/18 05:00	06/18/18 16:15	98-82-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

Sample: GP-89 4.0-6.0 **Lab ID: 40170426007** Collected: 06/05/18 16:30 Received: 06/07/18 09:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Methyl-tert-butyl ether	**<3.0**	ug/kg	10	3.0	1	06/18/18 05:00	06/18/18 16:15	1634-04-4	
Methylene Chloride	**3.0J**	ug/kg	6.7	2.0	1	06/18/18 05:00	06/18/18 16:15	75-09-2	
Naphthalene	**<3.0**	ug/kg	9.9	3.0	1	06/18/18 05:00	06/18/18 16:15	91-20-3	
Styrene	**<8.6**	ug/kg	28.8	8.6	1	06/18/18 05:00	06/18/18 16:15	100-42-5	
Tetrachloroethene	**<3.6**	ug/kg	11.8	3.6	1	06/18/18 05:00	06/18/18 16:15	127-18-4	
Toluene	**<2.2**	ug/kg	7.4	2.2	1	06/18/18 05:00	06/18/18 16:15	108-88-3	
Trichloroethene	**<2.2**	ug/kg	7.4	2.2	1	06/18/18 05:00	06/18/18 16:15	79-01-6	
Trichlorofluoromethane	**<3.2**	ug/kg	10.6	3.2	1	06/18/18 05:00	06/18/18 16:15	75-69-4	
Vinyl chloride	**<3.5**	ug/kg	11.7	3.5	1	06/18/18 05:00	06/18/18 16:15	75-01-4	
cis-1,2-Dichloroethene	**<3.1**	ug/kg	10.2	3.1	1	06/18/18 05:00	06/18/18 16:15	156-59-2	
cis-1,3-Dichloropropene	**<4.1**	ug/kg	13.7	4.1	1	06/18/18 05:00	06/18/18 16:15	10061-01-5	
m&p-Xylene	**<4.5**	ug/kg	15.1	4.5	1	06/18/18 05:00	06/18/18 16:15	179601-23-1	
n-Butylbenzene	**<3.1**	ug/kg	10.5	3.1	1	06/18/18 05:00	06/18/18 16:15	104-51-8	
n-Propylbenzene	**<2.6**	ug/kg	8.5	2.6	1	06/18/18 05:00	06/18/18 16:15	103-65-1	
o-Xylene	**<1.7**	ug/kg	5.8	1.7	1	06/18/18 05:00	06/18/18 16:15	95-47-6	
p-Isopropyltoluene	**<2.8**	ug/kg	9.2	2.8	1	06/18/18 05:00	06/18/18 16:15	99-87-6	
sec-Butylbenzene	**<2.6**	ug/kg	8.7	2.6	1	06/18/18 05:00	06/18/18 16:15	135-98-8	
tert-Butylbenzene	**<2.2**	ug/kg	7.3	2.2	1	06/18/18 05:00	06/18/18 16:15	98-06-6	
trans-1,2-Dichloroethene	**<2.1**	ug/kg	7.1	2.1	1	06/18/18 05:00	06/18/18 16:15	156-60-5	
trans-1,3-Dichloropropene	**<1.5**	ug/kg	5.1	1.5	1	06/18/18 05:00	06/18/18 16:15	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	100	%	70-130		1	06/18/18 05:00	06/18/18 16:15	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1	06/18/18 05:00	06/18/18 16:15	2037-26-5	
4-Bromofluorobenzene (S)	94	%	62-130		1	06/18/18 05:00	06/18/18 16:15	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.5**	%	0.10	0.10	1		06/07/18 18:07		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

Sample: GP-89 12.0-14.0 **Lab ID: 40170426008** Collected: 06/05/18 16:45 Received: 06/07/18 09:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<1.7**	ug/kg	5.8	1.7	1	06/18/18 05:00	06/18/18 16:38	630-20-6	
1,1,1-Trichloroethane	**<2.3**	ug/kg	7.8	2.3	1	06/18/18 05:00	06/18/18 16:38	71-55-6	
1,1,2,2-Tetrachloroethane	**<3.6**	ug/kg	11.9	3.6	1	06/18/18 05:00	06/18/18 16:38	79-34-5	
1,1,2-Trichloroethane	**<2.2**	ug/kg	7.4	2.2	1	06/18/18 05:00	06/18/18 16:38	79-00-5	
1,1-Dichloroethane	**<3.0**	ug/kg	9.9	3.0	1	06/18/18 05:00	06/18/18 16:38	75-34-3	
1,1-Dichloroethene	**<2.5**	ug/kg	8.2	2.5	1	06/18/18 05:00	06/18/18 16:38	75-35-4	
1,1-Dichloropropene	**<2.3**	ug/kg	7.6	2.3	1	06/18/18 05:00	06/18/18 16:38	563-58-6	
1,2,3-Trichlorobenzene	**<1.7**	ug/kg	5.7	1.7	1	06/18/18 05:00	06/18/18 16:38	87-61-6	
1,2,3-Trichloropropane	**<2.8**	ug/kg	9.3	2.8	1	06/18/18 05:00	06/18/18 16:38	96-18-4	
1,2,4-Trichlorobenzene	**<1.7**	ug/kg	5.7	1.7	1	06/18/18 05:00	06/18/18 16:38	120-82-1	
1,2,4-Trimethylbenzene	**<2.0**	ug/kg	6.7	2.0	1	06/18/18 05:00	06/18/18 16:38	95-63-6	
1,2-Dibromo-3-chloropropane	**<4.3**	ug/kg	14.3	4.3	1	06/18/18 05:00	06/18/18 16:38	96-12-8	
1,2-Dibromoethane (EDB)	**<0.25**	ug/kg	0.84	0.25	1	06/18/18 05:00	06/18/18 16:38	106-93-4	
1,2-Dichlorobenzene	**<1.8**	ug/kg	5.9	1.8	1	06/18/18 05:00	06/18/18 16:38	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/kg	0.97	0.29	1	06/18/18 05:00	06/18/18 16:38	107-06-2	
1,2-Dichloropropane	**<1.9**	ug/kg	6.4	1.9	1	06/18/18 05:00	06/18/18 16:38	78-87-5	
1,3,5-Trimethylbenzene	**<2.2**	ug/kg	7.3	2.2	1	06/18/18 05:00	06/18/18 16:38	108-67-8	
1,3-Dichlorobenzene	**<2.0**	ug/kg	6.6	2.0	1	06/18/18 05:00	06/18/18 16:38	541-73-1	
1,3-Dichloropropane	**<1.6**	ug/kg	5.3	1.6	1	06/18/18 05:00	06/18/18 16:38	142-28-9	
1,4-Dichlorobenzene	**<2.1**	ug/kg	7.0	2.1	1	06/18/18 05:00	06/18/18 16:38	106-46-7	
2,2-Dichloropropane	**<2.4**	ug/kg	7.9	2.4	1	06/18/18 05:00	06/18/18 16:38	594-20-7	
2-Butanone (MEK)	**<5.3**	ug/kg	17.6	5.3	1	06/18/18 05:00	06/18/18 16:38	78-93-3	
2-Chlorotoluene	**<2.3**	ug/kg	7.8	2.3	1	06/18/18 05:00	06/18/18 16:38	95-49-8	
2-Propanol	**<24.7**	ug/kg	82.3	24.7	1	06/18/18 05:00	06/18/18 16:38	67-63-0	
4-Chlorotoluene	**<2.1**	ug/kg	6.9	2.1	1	06/18/18 05:00	06/18/18 16:38	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/kg	6.8	2.1	1	06/18/18 05:00	06/18/18 16:38	108-10-1	
Acetone	**<33.9**	ug/kg	113	33.9	1	06/18/18 05:00	06/18/18 16:38	67-64-1	
Benzene	**<2.0**	ug/kg	6.5	2.0	1	06/18/18 05:00	06/18/18 16:38	71-43-2	
Bromobenzene	**<1.9**	ug/kg	6.2	1.9	1	06/18/18 05:00	06/18/18 16:38	108-86-1	
Bromochloromethane	**<2.5**	ug/kg	8.3	2.5	1	06/18/18 05:00	06/18/18 16:38	74-97-5	
Bromodichloromethane	**<1.8**	ug/kg	5.9	1.8	1	06/18/18 05:00	06/18/18 16:38	75-27-4	
Bromoform	**<5.8**	ug/kg	19.5	5.8	1	06/18/18 05:00	06/18/18 16:38	75-25-2	
Bromomethane	**<4.4**	ug/kg	14.5	4.4	1	06/18/18 05:00	06/18/18 16:38	74-83-9	
Carbon tetrachloride	**<2.3**	ug/kg	7.6	2.3	1	06/18/18 05:00	06/18/18 16:38	56-23-5	
Chlorobenzene	**<2.1**	ug/kg	7.0	2.1	1	06/18/18 05:00	06/18/18 16:38	108-90-7	
Chloroethane	**<2.6**	ug/kg	8.7	2.6	1	06/18/18 05:00	06/18/18 16:38	75-00-3	
Chloroform	**<2.3**	ug/kg	7.8	2.3	1	06/18/18 05:00	06/18/18 16:38	67-66-3	
Chloromethane	**<1.8**	ug/kg	5.9	1.8	1	06/18/18 05:00	06/18/18 16:38	74-87-3	
Dibromochloromethane	**<1.8**	ug/kg	6.1	1.8	1	06/18/18 05:00	06/18/18 16:38	124-48-1	
Dibromomethane	**<2.1**	ug/kg	7.1	2.1	1	06/18/18 05:00	06/18/18 16:38	74-95-3	
Dichlorodifluoromethane	**<1.9**	ug/kg	6.3	1.9	1	06/18/18 05:00	06/18/18 16:38	75-71-8	
Diisopropyl ether	**<1.6**	ug/kg	5.4	1.6	1	06/18/18 05:00	06/18/18 16:38	108-20-3	
Ethylbenzene	**<2.5**	ug/kg	8.3	2.5	1	06/18/18 05:00	06/18/18 16:38	100-41-4	
Hexachloro-1,3-butadiene	**<2.9**	ug/kg	9.7	2.9	1	06/18/18 05:00	06/18/18 16:38	87-68-3	
Isopropylbenzene (Cumene)	**<2.1**	ug/kg	7.0	2.1	1	06/18/18 05:00	06/18/18 16:38	98-82-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

Sample: GP-89 12.0-14.0 **Lab ID: 40170426008** Collected: 06/05/18 16:45 Received: 06/07/18 09:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Methyl-tert-butyl ether	**<3.0**	ug/kg	10	3.0	1	06/18/18 05:00	06/18/18 16:38	1634-04-4	
Methylene Chloride	**3.2J**	ug/kg	6.7	2.0	1	06/18/18 05:00	06/18/18 16:38	75-09-2	
Naphthalene	**<3.0**	ug/kg	9.9	3.0	1	06/18/18 05:00	06/18/18 16:38	91-20-3	
Styrene	**<8.6**	ug/kg	28.7	8.6	1	06/18/18 05:00	06/18/18 16:38	100-42-5	
Tetrachloroethene	**<3.5**	ug/kg	11.8	3.5	1	06/18/18 05:00	06/18/18 16:38	127-18-4	
Toluene	**<2.2**	ug/kg	7.4	2.2	1	06/18/18 05:00	06/18/18 16:38	108-88-3	
Trichloroethene	**<2.2**	ug/kg	7.4	2.2	1	06/18/18 05:00	06/18/18 16:38	79-01-6	
Trichlorofluoromethane	**<3.2**	ug/kg	10.6	3.2	1	06/18/18 05:00	06/18/18 16:38	75-69-4	
Vinyl chloride	**<3.5**	ug/kg	11.7	3.5	1	06/18/18 05:00	06/18/18 16:38	75-01-4	
cis-1,2-Dichloroethene	**<3.1**	ug/kg	10.2	3.1	1	06/18/18 05:00	06/18/18 16:38	156-59-2	
cis-1,3-Dichloropropene	**<4.1**	ug/kg	13.7	4.1	1	06/18/18 05:00	06/18/18 16:38	10061-01-5	
m&p-Xylene	**<4.5**	ug/kg	15.0	4.5	1	06/18/18 05:00	06/18/18 16:38	179601-23-1	
n-Butylbenzene	**<3.1**	ug/kg	10.4	3.1	1	06/18/18 05:00	06/18/18 16:38	104-51-8	
n-Propylbenzene	**<2.5**	ug/kg	8.5	2.5	1	06/18/18 05:00	06/18/18 16:38	103-65-1	
o-Xylene	**<1.7**	ug/kg	5.7	1.7	1	06/18/18 05:00	06/18/18 16:38	95-47-6	
p-Isopropyltoluene	**<2.7**	ug/kg	9.1	2.7	1	06/18/18 05:00	06/18/18 16:38	99-87-6	
sec-Butylbenzene	**<2.6**	ug/kg	8.6	2.6	1	06/18/18 05:00	06/18/18 16:38	135-98-8	
tert-Butylbenzene	**<2.2**	ug/kg	7.3	2.2	1	06/18/18 05:00	06/18/18 16:38	98-06-6	
trans-1,2-Dichloroethene	**<2.1**	ug/kg	7.1	2.1	1	06/18/18 05:00	06/18/18 16:38	156-60-5	
trans-1,3-Dichloropropene	**<1.5**	ug/kg	5.1	1.5	1	06/18/18 05:00	06/18/18 16:38	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	92	%	70-130		1	06/18/18 05:00	06/18/18 16:38	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1	06/18/18 05:00	06/18/18 16:38	2037-26-5	
4-Bromofluorobenzene (S)	89	%	62-130		1	06/18/18 05:00	06/18/18 16:38	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.3**	%	0.10	0.10	1		06/07/18 18:29		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

Sample: GP-90 2.0-4.0 **Lab ID: 40170426009** Collected: 06/06/18 14:15 Received: 06/07/18 09:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<1.6**	ug/kg	5.3	1.6	1	06/18/18 05:00	06/18/18 17:01	630-20-6	
1,1,1-Trichloroethane	**<2.1**	ug/kg	7.1	2.1	1	06/18/18 05:00	06/18/18 17:01	71-55-6	
1,1,2,2-Tetrachloroethane	**<3.3**	ug/kg	10.9	3.3	1	06/18/18 05:00	06/18/18 17:01	79-34-5	
1,1,2-Trichloroethane	**<2.0**	ug/kg	6.8	2.0	1	06/18/18 05:00	06/18/18 17:01	79-00-5	
1,1-Dichloroethane	**<2.7**	ug/kg	9.0	2.7	1	06/18/18 05:00	06/18/18 17:01	75-34-3	
1,1-Dichloroethene	**<2.3**	ug/kg	7.5	2.3	1	06/18/18 05:00	06/18/18 17:01	75-35-4	
1,1-Dichloropropene	**<2.1**	ug/kg	7.0	2.1	1	06/18/18 05:00	06/18/18 17:01	563-58-6	
1,2,3-Trichlorobenzene	**<1.6**	ug/kg	5.2	1.6	1	06/18/18 05:00	06/18/18 17:01	87-61-6	
1,2,3-Trichloropropane	**<2.5**	ug/kg	8.5	2.5	1	06/18/18 05:00	06/18/18 17:01	96-18-4	
1,2,4-Trichlorobenzene	**<1.6**	ug/kg	5.3	1.6	1	06/18/18 05:00	06/18/18 17:01	120-82-1	
1,2,4-Trimethylbenzene	**<1.9**	ug/kg	6.2	1.9	1	06/18/18 05:00	06/18/18 17:01	95-63-6	
1,2-Dibromo-3-chloropropane	**<3.9**	ug/kg	13.1	3.9	1	06/18/18 05:00	06/18/18 17:01	96-12-8	
1,2-Dibromoethane (EDB)	**<0.23**	ug/kg	0.77	0.23	1	06/18/18 05:00	06/18/18 17:01	106-93-4	
1,2-Dichlorobenzene	**<1.6**	ug/kg	5.4	1.6	1	06/18/18 05:00	06/18/18 17:01	95-50-1	
1,2-Dichloroethane	**<0.27**	ug/kg	0.89	0.27	1	06/18/18 05:00	06/18/18 17:01	107-06-2	
1,2-Dichloropropane	**<1.7**	ug/kg	5.8	1.7	1	06/18/18 05:00	06/18/18 17:01	78-87-5	
1,3,5-Trimethylbenzene	**<2.0**	ug/kg	6.7	2.0	1	06/18/18 05:00	06/18/18 17:01	108-67-8	
1,3-Dichlorobenzene	**<1.8**	ug/kg	6.1	1.8	1	06/18/18 05:00	06/18/18 17:01	541-73-1	
1,3-Dichloropropane	**<1.4**	ug/kg	4.8	1.4	1	06/18/18 05:00	06/18/18 17:01	142-28-9	
1,4-Dichlorobenzene	**<1.9**	ug/kg	6.4	1.9	1	06/18/18 05:00	06/18/18 17:01	106-46-7	
2,2-Dichloropropane	**<2.2**	ug/kg	7.2	2.2	1	06/18/18 05:00	06/18/18 17:01	594-20-7	
2-Butanone (MEK)	**<4.9**	ug/kg	16.2	4.9	1	06/18/18 05:00	06/18/18 17:01	78-93-3	
2-Chlorotoluene	**<2.1**	ug/kg	7.1	2.1	1	06/18/18 05:00	06/18/18 17:01	95-49-8	
2-Propanol	**<22.6**	ug/kg	75.5	22.6	1	06/18/18 05:00	06/18/18 17:01	67-63-0	
4-Chlorotoluene	**<1.9**	ug/kg	6.3	1.9	1	06/18/18 05:00	06/18/18 17:01	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.9**	ug/kg	6.3	1.9	1	06/18/18 05:00	06/18/18 17:01	108-10-1	
Acetone	**<31.1**	ug/kg	104	31.1	1	06/18/18 05:00	06/18/18 17:01	67-64-1	
Benzene	**<1.8**	ug/kg	6.0	1.8	1	06/18/18 05:00	06/18/18 17:01	71-43-2	
Bromobenzene	**<1.7**	ug/kg	5.7	1.7	1	06/18/18 05:00	06/18/18 17:01	108-86-1	
Bromochloromethane	**<2.3**	ug/kg	7.7	2.3	1	06/18/18 05:00	06/18/18 17:01	74-97-5	
Bromodichloromethane	**<1.6**	ug/kg	5.4	1.6	1	06/18/18 05:00	06/18/18 17:01	75-27-4	
Bromoform	**<5.4**	ug/kg	17.8	5.4	1	06/18/18 05:00	06/18/18 17:01	75-25-2	
Bromomethane	**<4.0**	ug/kg	13.3	4.0	1	06/18/18 05:00	06/18/18 17:01	74-83-9	
Carbon tetrachloride	**<2.1**	ug/kg	7.0	2.1	1	06/18/18 05:00	06/18/18 17:01	56-23-5	
Chlorobenzene	**<1.9**	ug/kg	6.5	1.9	1	06/18/18 05:00	06/18/18 17:01	108-90-7	
Chloroethane	**<2.4**	ug/kg	8.0	2.4	1	06/18/18 05:00	06/18/18 17:01	75-00-3	
Chloroform	**<2.1**	ug/kg	7.2	2.1	1	06/18/18 05:00	06/18/18 17:01	67-66-3	
Chloromethane	**<1.6**	ug/kg	5.4	1.6	1	06/18/18 05:00	06/18/18 17:01	74-87-3	
Dibromochloromethane	**<1.7**	ug/kg	5.6	1.7	1	06/18/18 05:00	06/18/18 17:01	124-48-1	
Dibromomethane	**<2.0**	ug/kg	6.5	2.0	1	06/18/18 05:00	06/18/18 17:01	74-95-3	
Dichlorodifluoromethane	**<1.7**	ug/kg	5.8	1.7	1	06/18/18 05:00	06/18/18 17:01	75-71-8	
Diisopropyl ether	**<1.5**	ug/kg	4.9	1.5	1	06/18/18 05:00	06/18/18 17:01	108-20-3	
Ethylbenzene	**<2.3**	ug/kg	7.7	2.3	1	06/18/18 05:00	06/18/18 17:01	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/kg	8.9	2.7	1	06/18/18 05:00	06/18/18 17:01	87-68-3	
Isopropylbenzene (Cumene)	**<1.9**	ug/kg	6.4	1.9	1	06/18/18 05:00	06/18/18 17:01	98-82-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

Sample: GP-90 2.0-4.0 **Lab ID: 40170426009** Collected: 06/06/18 14:15 Received: 06/07/18 09:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Methyl-tert-butyl ether	**<2.7**	ug/kg	9.1	2.7	1	06/18/18 05:00	06/18/18 17:01	1634-04-4	
Methylene Chloride	**2.5J**	ug/kg	6.1	1.8	1	06/18/18 05:00	06/18/18 17:01	75-09-2	
Naphthalene	**<2.7**	ug/kg	9.1	2.7	1	06/18/18 05:00	06/18/18 17:01	91-20-3	
Styrene	**<7.9**	ug/kg	26.3	7.9	1	06/18/18 05:00	06/18/18 17:01	100-42-5	
Tetrachloroethene	**<3.2**	ug/kg	10.8	3.2	1	06/18/18 05:00	06/18/18 17:01	127-18-4	
Toluene	**<2.0**	ug/kg	6.8	2.0	1	06/18/18 05:00	06/18/18 17:01	108-88-3	
Trichloroethene	**<2.0**	ug/kg	6.8	2.0	1	06/18/18 05:00	06/18/18 17:01	79-01-6	
Trichlorofluoromethane	**<2.9**	ug/kg	9.7	2.9	1	06/18/18 05:00	06/18/18 17:01	75-69-4	
Vinyl chloride	**<3.2**	ug/kg	10.7	3.2	1	06/18/18 05:00	06/18/18 17:01	75-01-4	
cis-1,2-Dichloroethene	**<2.8**	ug/kg	9.4	2.8	1	06/18/18 05:00	06/18/18 17:01	156-59-2	
cis-1,3-Dichloropropene	**<3.8**	ug/kg	12.6	3.8	1	06/18/18 05:00	06/18/18 17:01	10061-01-5	
m&p-Xylene	**<4.1**	ug/kg	13.8	4.1	1	06/18/18 05:00	06/18/18 17:01	179601-23-1	
n-Butylbenzene	**<2.9**	ug/kg	9.6	2.9	1	06/18/18 05:00	06/18/18 17:01	104-51-8	
n-Propylbenzene	**<2.3**	ug/kg	7.8	2.3	1	06/18/18 05:00	06/18/18 17:01	103-65-1	
o-Xylene	**<1.6**	ug/kg	5.3	1.6	1	06/18/18 05:00	06/18/18 17:01	95-47-6	
p-Isopropyltoluene	**<2.5**	ug/kg	8.4	2.5	1	06/18/18 05:00	06/18/18 17:01	99-87-6	
sec-Butylbenzene	**<2.4**	ug/kg	7.9	2.4	1	06/18/18 05:00	06/18/18 17:01	135-98-8	
tert-Butylbenzene	**<2.0**	ug/kg	6.7	2.0	1	06/18/18 05:00	06/18/18 17:01	98-06-6	
trans-1,2-Dichloroethene	**<2.0**	ug/kg	6.5	2.0	1	06/18/18 05:00	06/18/18 17:01	156-60-5	
trans-1,3-Dichloropropene	**<1.4**	ug/kg	4.6	1.4	1	06/18/18 05:00	06/18/18 17:01	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	95	%	70-130		1	06/18/18 05:00	06/18/18 17:01	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1	06/18/18 05:00	06/18/18 17:01	2037-26-5	
4-Bromofluorobenzene (S)	89	%	62-130		1	06/18/18 05:00	06/18/18 17:01	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.6**	%	0.10	0.10	1		06/07/18 18:29		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

Sample: GP-90 10.0-12.0 **Lab ID: 40170426010** Collected: 06/06/18 14:30 Received: 06/07/18 09:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<1.7**	ug/kg	5.7	1.7	1	06/18/18 05:00	06/18/18 17:24	630-20-6	
1,1,1-Trichloroethane	**<2.3**	ug/kg	7.7	2.3	1	06/18/18 05:00	06/18/18 17:24	71-55-6	
1,1,2,2-Tetrachloroethane	**<3.5**	ug/kg	11.8	3.5	1	06/18/18 05:00	06/18/18 17:24	79-34-5	
1,1,2-Trichloroethane	**<2.2**	ug/kg	7.3	2.2	1	06/18/18 05:00	06/18/18 17:24	79-00-5	
1,1-Dichloroethane	**<2.9**	ug/kg	9.7	2.9	1	06/18/18 05:00	06/18/18 17:24	75-34-3	
1,1-Dichloroethene	**<2.4**	ug/kg	8.1	2.4	1	06/18/18 05:00	06/18/18 17:24	75-35-4	
1,1-Dichloropropene	**<2.3**	ug/kg	7.5	2.3	1	06/18/18 05:00	06/18/18 17:24	563-58-6	
1,2,3-Trichlorobenzene	**<1.7**	ug/kg	5.6	1.7	1	06/18/18 05:00	06/18/18 17:24	87-61-6	
1,2,3-Trichloropropane	**<2.7**	ug/kg	9.1	2.7	1	06/18/18 05:00	06/18/18 17:24	96-18-4	
1,2,4-Trichlorobenzene	**<1.7**	ug/kg	5.7	1.7	1	06/18/18 05:00	06/18/18 17:24	120-82-1	
1,2,4-Trimethylbenzene	**<2.0**	ug/kg	6.7	2.0	1	06/18/18 05:00	06/18/18 17:24	95-63-6	
1,2-Dibromo-3-chloropropane	**<4.2**	ug/kg	14.1	4.2	1	06/18/18 05:00	06/18/18 17:24	96-12-8	
1,2-Dibromoethane (EDB)	**<0.25**	ug/kg	0.83	0.25	1	06/18/18 05:00	06/18/18 17:24	106-93-4	
1,2-Dichlorobenzene	**<1.7**	ug/kg	5.8	1.7	1	06/18/18 05:00	06/18/18 17:24	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/kg	0.96	0.29	1	06/18/18 05:00	06/18/18 17:24	107-06-2	
1,2-Dichloropropane	**<1.9**	ug/kg	6.3	1.9	1	06/18/18 05:00	06/18/18 17:24	78-87-5	
1,3,5-Trimethylbenzene	**<2.2**	ug/kg	7.3	2.2	1	06/18/18 05:00	06/18/18 17:24	108-67-8	
1,3-Dichlorobenzene	**<2.0**	ug/kg	6.6	2.0	1	06/18/18 05:00	06/18/18 17:24	541-73-1	
1,3-Dichloropropane	**<1.6**	ug/kg	5.2	1.6	1	06/18/18 05:00	06/18/18 17:24	142-28-9	
1,4-Dichlorobenzene	**<2.1**	ug/kg	6.9	2.1	1	06/18/18 05:00	06/18/18 17:24	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/kg	7.8	2.3	1	06/18/18 05:00	06/18/18 17:24	594-20-7	
2-Butanone (MEK)	**<5.2**	ug/kg	17.4	5.2	1	06/18/18 05:00	06/18/18 17:24	78-93-3	
2-Chlorotoluene	**<2.3**	ug/kg	7.7	2.3	1	06/18/18 05:00	06/18/18 17:24	95-49-8	
2-Propanol	**<24.4**	ug/kg	81.3	24.4	1	06/18/18 05:00	06/18/18 17:24	67-63-0	
4-Chlorotoluene	**<2.0**	ug/kg	6.8	2.0	1	06/18/18 05:00	06/18/18 17:24	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<2.0**	ug/kg	6.7	2.0	1	06/18/18 05:00	06/18/18 17:24	108-10-1	
Acetone	**<33.5**	ug/kg	112	33.5	1	06/18/18 05:00	06/18/18 17:24	67-64-1	
Benzene	**<1.9**	ug/kg	6.4	1.9	1	06/18/18 05:00	06/18/18 17:24	71-43-2	
Bromobenzene	**<1.8**	ug/kg	6.1	1.8	1	06/18/18 05:00	06/18/18 17:24	108-86-1	
Bromochloromethane	**<2.5**	ug/kg	8.2	2.5	1	06/18/18 05:00	06/18/18 17:24	74-97-5	
Bromodichloromethane	**<1.8**	ug/kg	5.9	1.8	1	06/18/18 05:00	06/18/18 17:24	75-27-4	
Bromoform	**<5.8**	ug/kg	19.2	5.8	1	06/18/18 05:00	06/18/18 17:24	75-25-2	
Bromomethane	**<4.3**	ug/kg	14.3	4.3	1	06/18/18 05:00	06/18/18 17:24	74-83-9	
Carbon tetrachloride	**<2.2**	ug/kg	7.5	2.2	1	06/18/18 05:00	06/18/18 17:24	56-23-5	
Chlorobenzene	**<2.1**	ug/kg	6.9	2.1	1	06/18/18 05:00	06/18/18 17:24	108-90-7	
Chloroethane	**<2.6**	ug/kg	8.6	2.6	1	06/18/18 05:00	06/18/18 17:24	75-00-3	
Chloroform	**<2.3**	ug/kg	7.7	2.3	1	06/18/18 05:00	06/18/18 17:24	67-66-3	
Chloromethane	**<1.8**	ug/kg	5.9	1.8	1	06/18/18 05:00	06/18/18 17:24	74-87-3	
Dibromochloromethane	**<1.8**	ug/kg	6.0	1.8	1	06/18/18 05:00	06/18/18 17:24	124-48-1	
Dibromomethane	**<2.1**	ug/kg	7.0	2.1	1	06/18/18 05:00	06/18/18 17:24	74-95-3	
Dichlorodifluoromethane	**<1.9**	ug/kg	6.3	1.9	1	06/18/18 05:00	06/18/18 17:24	75-71-8	
Diisopropyl ether	**<1.6**	ug/kg	5.3	1.6	1	06/18/18 05:00	06/18/18 17:24	108-20-3	
Ethylbenzene	**<2.5**	ug/kg	8.2	2.5	1	06/18/18 05:00	06/18/18 17:24	100-41-4	
Hexachloro-1,3-butadiene	**<2.9**	ug/kg	9.6	2.9	1	06/18/18 05:00	06/18/18 17:24	87-68-3	
Isopropylbenzene (Cumene)	**<2.1**	ug/kg	6.9	2.1	1	06/18/18 05:00	06/18/18 17:24	98-82-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

Sample: GP-90 10.0-12.0 **Lab ID: 40170426010** Collected: 06/06/18 14:30 Received: 06/07/18 09:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Methyl-tert-butyl ether	**<3.0**	ug/kg	9.8	3.0	1	06/18/18 05:00	06/18/18 17:24	1634-04-4	
Methylene Chloride	**2.4J**	ug/kg	6.6	2.0	1	06/18/18 05:00	06/18/18 17:24	75-09-2	
Naphthalene	**<2.9**	ug/kg	9.8	2.9	1	06/18/18 05:00	06/18/18 17:24	91-20-3	
Styrene	**<8.5**	ug/kg	28.3	8.5	1	06/18/18 05:00	06/18/18 17:24	100-42-5	
Tetrachloroethene	**<3.5**	ug/kg	11.6	3.5	1	06/18/18 05:00	06/18/18 17:24	127-18-4	
Toluene	**<2.2**	ug/kg	7.3	2.2	1	06/18/18 05:00	06/18/18 17:24	108-88-3	
Trichloroethene	**<2.2**	ug/kg	7.3	2.2	1	06/18/18 05:00	06/18/18 17:24	79-01-6	
Trichlorofluoromethane	**<3.1**	ug/kg	10.5	3.1	1	06/18/18 05:00	06/18/18 17:24	75-69-4	
Vinyl chloride	**<3.5**	ug/kg	11.5	3.5	1	06/18/18 05:00	06/18/18 17:24	75-01-4	
cis-1,2-Dichloroethene	**<3.0**	ug/kg	10.1	3.0	1	06/18/18 05:00	06/18/18 17:24	156-59-2	
cis-1,3-Dichloropropene	**<4.1**	ug/kg	13.5	4.1	1	06/18/18 05:00	06/18/18 17:24	10061-01-5	
m&p-Xylene	**<4.5**	ug/kg	14.8	4.5	1	06/18/18 05:00	06/18/18 17:24	179601-23-1	
n-Butylbenzene	**<3.1**	ug/kg	10.3	3.1	1	06/18/18 05:00	06/18/18 17:24	104-51-8	
n-Propylbenzene	**<2.5**	ug/kg	8.4	2.5	1	06/18/18 05:00	06/18/18 17:24	103-65-1	
o-Xylene	**<1.7**	ug/kg	5.7	1.7	1	06/18/18 05:00	06/18/18 17:24	95-47-6	
p-Isopropyltoluene	**<2.7**	ug/kg	9.0	2.7	1	06/18/18 05:00	06/18/18 17:24	99-87-6	
sec-Butylbenzene	**<2.6**	ug/kg	8.5	2.6	1	06/18/18 05:00	06/18/18 17:24	135-98-8	
tert-Butylbenzene	**<2.2**	ug/kg	7.2	2.2	1	06/18/18 05:00	06/18/18 17:24	98-06-6	
trans-1,2-Dichloroethene	**<2.1**	ug/kg	7.0	2.1	1	06/18/18 05:00	06/18/18 17:24	156-60-5	
trans-1,3-Dichloropropene	**<1.5**	ug/kg	5.0	1.5	1	06/18/18 05:00	06/18/18 17:24	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	112	%	70-130		1	06/18/18 05:00	06/18/18 17:24	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1	06/18/18 05:00	06/18/18 17:24	2037-26-5	
4-Bromofluorobenzene (S)	90	%	62-130		1	06/18/18 05:00	06/18/18 17:24	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.4**	%	0.10	0.10	1		06/07/18 18:29		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

Sample: TRIP BLANK **Lab ID: 40170426011** Collected: 06/06/18 00:00 Received: 06/07/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		06/08/18 14:29	630-20-6	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:29	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		06/08/18 14:29	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		06/08/18 14:29	79-00-5	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/08/18 14:29	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		06/08/18 14:29	75-35-4	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		06/08/18 14:29	563-58-6	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		06/08/18 14:29	87-61-6	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:29	96-18-4	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		06/08/18 14:29	120-82-1	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:29	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		06/08/18 14:29	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		06/08/18 14:29	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:29	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		06/08/18 14:29	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		06/08/18 14:29	78-87-5	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:29	108-67-8	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:29	541-73-1	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:29	142-28-9	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:29	106-46-7	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		06/08/18 14:29	594-20-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		06/08/18 14:29	78-93-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:29	95-49-8	
2-Propanol	**<24.3**	ug/L	250	24.3	1		06/08/18 14:29	67-63-0	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		06/08/18 14:29	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		06/08/18 14:29	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		06/08/18 14:29	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:29	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		06/08/18 14:29	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		06/08/18 14:29	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:29	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:29	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		06/08/18 14:29	74-83-9	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:29	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:29	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		06/08/18 14:29	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		06/08/18 14:29	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:29	74-87-3	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:29	124-48-1	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		06/08/18 14:29	74-95-3	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		06/08/18 14:29	75-71-8	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:29	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:29	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		06/08/18 14:29	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		06/08/18 14:29	98-82-8	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		06/08/18 14:29	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

Sample: TRIP BLANK **Lab ID: 40170426011** Collected: 06/06/18 00:00 Received: 06/07/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		06/08/18 14:29	75-09-2	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		06/08/18 14:29	91-20-3	
Styrene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:29	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:29	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:29	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		06/08/18 14:29	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		06/08/18 14:29	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		06/08/18 14:29	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		06/08/18 14:29	1330-20-7	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/08/18 14:29	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:29	10061-01-5	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		06/08/18 14:29	179601-23-1	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:29	104-51-8	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:29	103-65-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:29	95-47-6	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:29	99-87-6	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		06/08/18 14:29	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		06/08/18 14:29	98-06-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/08/18 14:29	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		06/08/18 14:29	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	117	%	70-130		1		06/08/18 14:29	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		06/08/18 14:29	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		06/08/18 14:29	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

QC Batch: 291814 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low
Associated Lab Samples: 40170426001, 40170426002, 40170426003, 40170426004, 40170426005

METHOD BLANK: 1706445 Matrix: Solid
Associated Lab Samples: 40170426001, 40170426002, 40170426003, 40170426004, 40170426005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<2.4	8.0	06/13/18 15:12	
1,1,1-Trichloroethane	ug/kg	<3.2	10.8	06/13/18 15:12	
1,1,2,2-Tetrachloroethane	ug/kg	<5.0	16.6	06/13/18 15:12	
1,1,2-Trichloroethane	ug/kg	<3.1	10.3	06/13/18 15:12	
1,1-Dichloroethane	ug/kg	<4.1	13.7	06/13/18 15:12	
1,1-Dichloroethene	ug/kg	<3.4	11.4	06/13/18 15:12	
1,1-Dichloropropene	ug/kg	<3.2	10.6	06/13/18 15:12	
1,2,3-Trichlorobenzene	ug/kg	<2.4	7.9	06/13/18 15:12	
1,2,3-Trichloropropane	ug/kg	<3.9	12.9	06/13/18 15:12	
1,2,4-Trichlorobenzene	ug/kg	<2.4	8.0	06/13/18 15:12	
1,2,4-Trimethylbenzene	ug/kg	<2.8	9.4	06/13/18 15:12	
1,2-Dibromo-3-chloropropane	ug/kg	<6.0	19.9	06/13/18 15:12	
1,2-Dibromoethane (EDB)	ug/kg	<0.35	1.2	06/13/18 15:12	
1,2-Dichlorobenzene	ug/kg	<2.5	8.2	06/13/18 15:12	
1,2-Dichloroethane	ug/kg	<0.41	1.4	06/13/18 15:12	
1,2-Dichloropropane	ug/kg	<2.6	8.8	06/13/18 15:12	
1,3,5-Trimethylbenzene	ug/kg	<3.1	10.2	06/13/18 15:12	
1,3-Dichlorobenzene	ug/kg	<2.8	9.2	06/13/18 15:12	
1,3-Dichloropropane	ug/kg	<2.2	7.3	06/13/18 15:12	
1,4-Dichlorobenzene	ug/kg	<2.9	9.7	06/13/18 15:12	
2,2-Dichloropropane	ug/kg	<3.3	10.9	06/13/18 15:12	
2-Butanone (MEK)	ug/kg	<7.4	24.5	06/13/18 15:12	
2-Chlorotoluene	ug/kg	<3.2	10.8	06/13/18 15:12	
2-Propanol	ug/kg	<34.3	114	06/13/18 15:12	
4-Chlorotoluene	ug/kg	<2.9	9.6	06/13/18 15:12	
4-Methyl-2-pentanone (MIBK)	ug/kg	<2.9	9.5	06/13/18 15:12	
Acetone	ug/kg	<47.2	157	06/13/18 15:12	
Benzene	ug/kg	<2.7	9.0	06/13/18 15:12	
Bromobenzene	ug/kg	<2.6	8.6	06/13/18 15:12	
Bromochloromethane	ug/kg	<3.5	11.6	06/13/18 15:12	
Bromodichloromethane	ug/kg	<2.5	8.2	06/13/18 15:12	
Bromoform	ug/kg	<8.1	27.0	06/13/18 15:12	
Bromomethane	ug/kg	<6.0	20.2	06/13/18 15:12	
Carbon tetrachloride	ug/kg	<3.2	10.5	06/13/18 15:12	
Chlorobenzene	ug/kg	<2.9	9.8	06/13/18 15:12	
Chloroethane	ug/kg	<3.6	12.1	06/13/18 15:12	
Chloroform	ug/kg	<3.3	10.8	06/13/18 15:12	
Chloromethane	ug/kg	<2.5	8.3	06/13/18 15:12	
cis-1,2-Dichloroethene	ug/kg	<4.3	14.2	06/13/18 15:12	
cis-1,3-Dichloropropene	ug/kg	<5.7	19.0	06/13/18 15:12	
Dibromochloromethane	ug/kg	<2.6	8.5	06/13/18 15:12	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

METHOD BLANK: 1706445 Matrix: Solid
Associated Lab Samples: 40170426001, 40170426002, 40170426003, 40170426004, 40170426005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	<3.0	9.9	06/13/18 15:12	
Dichlorodifluoromethane	ug/kg	<2.6	8.8	06/13/18 15:12	
Diisopropyl ether	ug/kg	<2.2	7.5	06/13/18 15:12	
Ethylbenzene	ug/kg	<3.5	11.6	06/13/18 15:12	
Hexachloro-1,3-butadiene	ug/kg	<4.0	13.5	06/13/18 15:12	
Isopropylbenzene (Cumene)	ug/kg	<2.9	9.7	06/13/18 15:12	
m&p-Xylene	ug/kg	<6.3	20.9	06/13/18 15:12	
Methyl-tert-butyl ether	ug/kg	<4.2	13.8	06/13/18 15:12	
Methylene Chloride	ug/kg	<2.8	9.3	06/13/18 15:12	
n-Butylbenzene	ug/kg	<4.3	14.5	06/13/18 15:12	
n-Propylbenzene	ug/kg	<3.5	11.8	06/13/18 15:12	
Naphthalene	ug/kg	4.6J	13.7	06/13/18 15:12	
o-Xylene	ug/kg	<2.4	8.0	06/13/18 15:12	
p-Isopropyltoluene	ug/kg	<3.8	12.7	06/13/18 15:12	
sec-Butylbenzene	ug/kg	<3.6	12.0	06/13/18 15:12	
Styrene	ug/kg	<12.0	39.9	06/13/18 15:12	
tert-Butylbenzene	ug/kg	<3.0	10.2	06/13/18 15:12	
Tetrachloroethene	ug/kg	<4.9	16.4	06/13/18 15:12	
Toluene	ug/kg	<3.1	10.3	06/13/18 15:12	
trans-1,2-Dichloroethene	ug/kg	<3.0	9.9	06/13/18 15:12	
trans-1,3-Dichloropropene	ug/kg	<2.1	7.0	06/13/18 15:12	
Trichloroethene	ug/kg	<3.1	10.3	06/13/18 15:12	
Trichlorofluoromethane	ug/kg	<4.4	14.7	06/13/18 15:12	
Vinyl chloride	ug/kg	<4.9	16.2	06/13/18 15:12	
4-Bromofluorobenzene (S)	%	86	62-130	06/13/18 15:12	
Dibromofluoromethane (S)	%	94	70-130	06/13/18 15:12	
Toluene-d8 (S)	%	98	70-130	06/13/18 15:12	

LABORATORY CONTROL SAMPLE & LCSD: 1706446 1706447

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/kg	50	46.8	50.7	94	101	70-130	8	20	
1,1,2,2-Tetrachloroethane	ug/kg	50	45.5	48.5	91	97	70-142	6	20	
1,1,2-Trichloroethane	ug/kg	50	48.8	50.8	98	102	70-130	4	20	
1,1-Dichloroethane	ug/kg	50	46.5	50.0	93	100	69-130	7	20	
1,1-Dichloroethene	ug/kg	50	46.1	49.3	92	99	56-127	7	20	
1,2,4-Trichlorobenzene	ug/kg	50	41.7	47.0	83	94	41-182	12	25	
1,2-Dibromo-3-chloropropane	ug/kg	50	49.5	54.1	99	108	77-158	9	33	
1,2-Dibromoethane (EDB)	ug/kg	50	47.7	51.2	95	102	70-130	7	20	
1,2-Dichlorobenzene	ug/kg	50	43.7	48.3	87	97	70-140	10	23	
1,2-Dichloroethane	ug/kg	50	45.4	48.4	91	97	61-139	6	23	
1,2-Dichloropropane	ug/kg	50	47.9	50.6	96	101	75-132	6	21	
1,3-Dichlorobenzene	ug/kg	50	41.8	45.8	84	92	65-153	9	20	
1,4-Dichlorobenzene	ug/kg	50	42.2	45.9	84	92	74-134	8	25	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

LABORATORY CONTROL SAMPLE & LCSD: 1706446 1706447

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ug/kg	50	46.5	50.0	93	100	70-130	7	20	
Bromodichloromethane	ug/kg	50	46.7	50.0	93	100	70-130	7	20	
Bromoform	ug/kg	50	43.8	46.2	88	92	67-130	5	24	
Bromomethane	ug/kg	50	33.4	37.6	67	75	43-129	12	25	
Carbon tetrachloride	ug/kg	50	46.9	50.1	94	100	69-130	7	20	
Chlorobenzene	ug/kg	50	46.4	49.0	93	98	70-130	5	20	
Chloroethane	ug/kg	50	42.9	46.5	86	93	47-135	8	20	
Chloroform	ug/kg	50	44.4	47.1	89	94	71-117	6	20	
Chloromethane	ug/kg	50	35.2	38.8	70	78	31-131	10	22	
cis-1,2-Dichloroethene	ug/kg	50	45.6	48.7	91	97	64-130	7	20	
cis-1,3-Dichloropropene	ug/kg	50	41.7	44.3	83	89	70-130	6	20	
Dibromochloromethane	ug/kg	50	45.5	49.1	91	98	70-130	8	20	
Dichlorodifluoromethane	ug/kg	50	34.3	36.3	69	73	22-103	6	20	
Ethylbenzene	ug/kg	50	47.6	50.5	95	101	78-119	6	20	
Isopropylbenzene (Cumene)	ug/kg	50	49.8	52.9	100	106	70-130	6	20	
m&p-Xylene	ug/kg	100	95.4	101	95	101	70-130	6	20	
Methyl-tert-butyl ether	ug/kg	50	44.6	48.5	89	97	50-138	8	25	
Methylene Chloride	ug/kg	50	45.6	48.8	91	98	52-150	7	20	
o-Xylene	ug/kg	50	47.6	51.9	95	104	70-130	9	20	
Styrene	ug/kg	50	48.0	50.8	96	102	70-130	6	20	
Tetrachloroethene	ug/kg	50	48.0	50.3	96	101	70-130	5	20	
Toluene	ug/kg	50	46.3	49.2	93	98	76-120	6	20	
trans-1,2-Dichloroethene	ug/kg	50	45.9	49.1	92	98	53-144	7	25	
trans-1,3-Dichloropropene	ug/kg	50	40.5	43.4	81	87	70-130	7	20	
Trichloroethene	ug/kg	50	48.9	52.1	98	104	70-130	6	20	
Trichlorofluoromethane	ug/kg	50	48.3	51.7	97	103	47-136	7	20	
Vinyl chloride	ug/kg	50	41.4	44.5	83	89	43-136	7	25	
4-Bromofluorobenzene (S)	%				101	101	62-130			
Dibromofluoromethane (S)	%				100	101	70-130			
Toluene-d8 (S)	%				98	98	70-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1706448 1706449

Parameter	Units	40170429001 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/kg	<3.7	56.9	57.2	49.0	44.3	86	78	41-144	10	50	
1,1,2,2-Tetrachloroethane	ug/kg	<5.7	56.9	57.2	52.3	51.2	92	89	10-200	2	50	
1,1,2-Trichloroethane	ug/kg	<3.5	56.9	57.2	51.9	51.2	91	89	19-172	1	25	
1,1-Dichloroethane	ug/kg	<4.7	56.9	57.2	49.3	48.8	87	85	46-144	1	46	
1,1-Dichloroethene	ug/kg	<3.9	56.9	57.2	48.6	46.9	85	82	11-174	4	50	
1,2,4-Trichlorobenzene	ug/kg	<2.7	56.9	57.2	48.1	14.5	83	24	41-182	107	25	M1,R1
1,2-Dibromo-3-chloropropane	ug/kg	<6.8	56.9	57.2	54.1	48.0	95	84	77-158	12	40	
1,2-Dibromoethane (EDB)	ug/kg	<0.40	56.9	57.2	50.5	50.6	89	89	70-130	0	20	
1,2-Dichlorobenzene	ug/kg	<2.8	56.9	57.2	48.9	29.3	85	51	70-140	50	20	M1,R1

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1706448 1706449

Parameter	Units	40170429001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/kg	<0.46	56.9	57.2	49.9	48.4	88	85	17-170	3	44	
1,2-Dichloropropane	ug/kg	<3.0	56.9	57.2	50.9	49.2	89	86	39-147	3	29	
1,3-Dichlorobenzene	ug/kg	<3.2	56.9	57.2	47.5	27.6	84	48	65-153	53	20	M1,R1
1,4-Dichlorobenzene	ug/kg	<3.3	56.9	57.2	48.6	30.4	85	52	74-134	46	23	M1,R1
Benzene	ug/kg	<3.1	56.9	57.2	49.2	45.1	87	79	15-157	9	33	
Bromodichloromethane	ug/kg	<2.8	56.9	57.2	49.9	48.7	88	85	15-156	2	29	
Bromoform	ug/kg	<9.3	56.9	57.2	47.3	43.0	83	75	10-153	10	38	
Bromomethane	ug/kg	<6.9	56.9	57.2	37.4	39.0	66	68	10-161	4	42	
Carbon tetrachloride	ug/kg	<3.6	56.9	57.2	48.9	41.7	86	73	14-150	16	50	
Chlorobenzene	ug/kg	<3.3	56.9	57.2	49.3	41.6	87	73	37-137	17	30	
Chloroethane	ug/kg	<4.1	56.9	57.2	45.1	46.8	79	82	10-177	4	45	
Chloroform	ug/kg	<3.7	56.9	57.2	46.2	45.8	81	80	42-135	1	28	
Chloromethane	ug/kg	<2.8	56.9	57.2	36.9	38.6	65	68	10-168	5	50	
cis-1,2-Dichloroethene	ug/kg	<4.9	56.9	57.2	48.4	47.4	85	83	37-130	2	31	
cis-1,3-Dichloropropene	ug/kg	<6.5	56.9	57.2	45.3	42.1	80	74	10-167	7	31	
Dibromochloromethane	ug/kg	<2.9	56.9	57.2	49.3	46.1	87	81	10-164	7	25	
Dichlorodifluoromethane	ug/kg	<3.0	56.9	57.2	34.6	31.6	61	55	22-103	9	20	
Ethylbenzene	ug/kg	<4.0	56.9	57.2	50.7	39.1	89	68	10-175	26	36	
Isopropylbenzene (Cumene)	ug/kg	<3.3	56.9	57.2	51.6	29.3	91	51	70-130	55	20	M1,R1
m&p-Xylene	ug/kg	<7.2	114	114	103	77.4	91	67	10-177	29	50	
Methyl-tert-butyl ether	ug/kg	<4.7	56.9	57.2	49.5	48.3	87	84	12-159	3	50	
Methylene Chloride	ug/kg	<3.2	56.9	57.2	48.2	50.4	84	87	15-185	5	29	
o-Xylene	ug/kg	<2.7	56.9	57.2	51.6	38.8	91	68	10-186	28	50	
Styrene	ug/kg	<13.7	56.9	57.2	50.8	40.1J	89	70	10-159		44	
Tetrachloroethene	ug/kg	<5.6	56.9	57.2	51.1	36.9	90	65	10-187	32	50	
Toluene	ug/kg	<3.5	56.9	57.2	48.9	45.4	86	79	13-166	7	48	
trans-1,2-Dichloroethene	ug/kg	<3.4	56.9	57.2	47.8	47.5	84	83	17-170	1	50	
trans-1,3-Dichloropropene	ug/kg	<2.4	56.9	57.2	44.0	41.8	77	73	10-176	5	28	
Trichloroethene	ug/kg	<3.5	56.9	57.2	52.0	47.0	91	82	41-138	10	50	
Trichlorofluoromethane	ug/kg	<5.0	56.9	57.2	50.1	46.3	88	81	47-136	8	20	
Vinyl chloride	ug/kg	<5.6	56.9	57.2	42.7	44.6	75	78	10-179	4	50	
4-Bromofluorobenzene (S)	%						102	99	62-130			
Dibromofluoromethane (S)	%						100	102	70-130			1q
Toluene-d8 (S)	%						98	100	70-130			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

QC Batch: 292225 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low
Associated Lab Samples: 40170426006, 40170426007, 40170426008, 40170426009, 40170426010

METHOD BLANK: 1708612 Matrix: Solid
Associated Lab Samples: 40170426006, 40170426007, 40170426008, 40170426009, 40170426010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<2.4	8.0	06/18/18 13:32	
1,1,1-Trichloroethane	ug/kg	<3.2	10.8	06/18/18 13:32	
1,1,2,2-Tetrachloroethane	ug/kg	<5.0	16.6	06/18/18 13:32	
1,1,2-Trichloroethane	ug/kg	<3.1	10.3	06/18/18 13:32	
1,1-Dichloroethane	ug/kg	<4.1	13.7	06/18/18 13:32	
1,1-Dichloroethene	ug/kg	<3.4	11.4	06/18/18 13:32	
1,1-Dichloropropene	ug/kg	<3.2	10.6	06/18/18 13:32	
1,2,3-Trichlorobenzene	ug/kg	<2.4	7.9	06/18/18 13:32	
1,2,3-Trichloropropane	ug/kg	<3.9	12.9	06/18/18 13:32	
1,2,4-Trichlorobenzene	ug/kg	<2.4	8.0	06/18/18 13:32	
1,2,4-Trimethylbenzene	ug/kg	<2.8	9.4	06/18/18 13:32	
1,2-Dibromo-3-chloropropane	ug/kg	<6.0	19.9	06/18/18 13:32	
1,2-Dibromoethane (EDB)	ug/kg	<0.35	1.2	06/18/18 13:32	
1,2-Dichlorobenzene	ug/kg	<2.5	8.2	06/18/18 13:32	
1,2-Dichloroethane	ug/kg	<0.41	1.4	06/18/18 13:32	
1,2-Dichloropropane	ug/kg	<2.6	8.8	06/18/18 13:32	
1,3,5-Trimethylbenzene	ug/kg	<3.1	10.2	06/18/18 13:32	
1,3-Dichlorobenzene	ug/kg	<2.8	9.2	06/18/18 13:32	
1,3-Dichloropropane	ug/kg	<2.2	7.3	06/18/18 13:32	
1,4-Dichlorobenzene	ug/kg	<2.9	9.7	06/18/18 13:32	
2,2-Dichloropropane	ug/kg	<3.3	10.9	06/18/18 13:32	
2-Butanone (MEK)	ug/kg	<7.4	24.5	06/18/18 13:32	
2-Chlorotoluene	ug/kg	<3.2	10.8	06/18/18 13:32	
2-Propanol	ug/kg	<34.3	114	06/18/18 13:32	
4-Chlorotoluene	ug/kg	<2.9	9.6	06/18/18 13:32	
4-Methyl-2-pentanone (MIBK)	ug/kg	<2.9	9.5	06/18/18 13:32	
Acetone	ug/kg	<47.2	157	06/18/18 13:32	
Benzene	ug/kg	<2.7	9.0	06/18/18 13:32	
Bromobenzene	ug/kg	<2.6	8.6	06/18/18 13:32	
Bromochloromethane	ug/kg	<3.5	11.6	06/18/18 13:32	
Bromodichloromethane	ug/kg	<2.5	8.2	06/18/18 13:32	
Bromoform	ug/kg	<8.1	27.0	06/18/18 13:32	
Bromomethane	ug/kg	<6.0	20.2	06/18/18 13:32	
Carbon tetrachloride	ug/kg	<3.2	10.5	06/18/18 13:32	
Chlorobenzene	ug/kg	<2.9	9.8	06/18/18 13:32	
Chloroethane	ug/kg	<3.6	12.1	06/18/18 13:32	
Chloroform	ug/kg	<3.3	10.8	06/18/18 13:32	
Chloromethane	ug/kg	<2.5	8.3	06/18/18 13:32	
cis-1,2-Dichloroethene	ug/kg	<4.3	14.2	06/18/18 13:32	
cis-1,3-Dichloropropene	ug/kg	<5.7	19.0	06/18/18 13:32	
Dibromochloromethane	ug/kg	<2.6	8.5	06/18/18 13:32	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

METHOD BLANK: 1708612 Matrix: Solid
Associated Lab Samples: 40170426006, 40170426007, 40170426008, 40170426009, 40170426010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	<3.0	9.9	06/18/18 13:32	
Dichlorodifluoromethane	ug/kg	<2.6	8.8	06/18/18 13:32	
Diisopropyl ether	ug/kg	<2.2	7.5	06/18/18 13:32	
Ethylbenzene	ug/kg	<3.5	11.6	06/18/18 13:32	
Hexachloro-1,3-butadiene	ug/kg	<4.0	13.5	06/18/18 13:32	
Isopropylbenzene (Cumene)	ug/kg	<2.9	9.7	06/18/18 13:32	
m&p-Xylene	ug/kg	<6.3	20.9	06/18/18 13:32	
Methyl-tert-butyl ether	ug/kg	<4.2	13.8	06/18/18 13:32	
Methylene Chloride	ug/kg	<2.8	9.3	06/18/18 13:32	
n-Butylbenzene	ug/kg	<4.3	14.5	06/18/18 13:32	
n-Propylbenzene	ug/kg	<3.5	11.8	06/18/18 13:32	
Naphthalene	ug/kg	<4.1	13.7	06/18/18 13:32	
o-Xylene	ug/kg	<2.4	8.0	06/18/18 13:32	
p-Isopropyltoluene	ug/kg	<3.8	12.7	06/18/18 13:32	
sec-Butylbenzene	ug/kg	<3.6	12.0	06/18/18 13:32	
Styrene	ug/kg	<12.0	39.9	06/18/18 13:32	
tert-Butylbenzene	ug/kg	<3.0	10.2	06/18/18 13:32	
Tetrachloroethene	ug/kg	<4.9	16.4	06/18/18 13:32	
Toluene	ug/kg	<3.1	10.3	06/18/18 13:32	
trans-1,2-Dichloroethene	ug/kg	<3.0	9.9	06/18/18 13:32	
trans-1,3-Dichloropropene	ug/kg	<2.1	7.0	06/18/18 13:32	
Trichloroethene	ug/kg	<3.1	10.3	06/18/18 13:32	
Trichlorofluoromethane	ug/kg	<4.4	14.7	06/18/18 13:32	
Vinyl chloride	ug/kg	<4.9	16.2	06/18/18 13:32	
4-Bromofluorobenzene (S)	%	96	62-130	06/18/18 13:32	
Dibromofluoromethane (S)	%	91	70-130	06/18/18 13:32	
Toluene-d8 (S)	%	102	70-130	06/18/18 13:32	

LABORATORY CONTROL SAMPLE & LCSD: 1708613 1708614

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/kg	50	48.2	53.2	96	106	70-130	10	20	
1,1,2,2-Tetrachloroethane	ug/kg	50	52.3	48.9	105	98	70-142	7	20	
1,1,2-Trichloroethane	ug/kg	50	52.5	51.9	105	104	70-130	1	20	
1,1-Dichloroethane	ug/kg	50	43.9	47.7	88	95	69-130	8	20	
1,1-Dichloroethene	ug/kg	50	39.8	45.0	80	90	56-127	12	20	
1,2,4-Trichlorobenzene	ug/kg	50	63.6	67.5	127	135	41-182	6	25	
1,2-Dibromo-3-chloropropane	ug/kg	50	71.0	49.9	142	100	77-158	35	33	R1
1,2-Dibromoethane (EDB)	ug/kg	50	54.8	49.9	110	100	70-130	9	20	
1,2-Dichlorobenzene	ug/kg	50	62.7	56.5	125	113	70-140	10	23	
1,2-Dichloroethane	ug/kg	50	45.4	45.7	91	91	61-139	1	23	
1,2-Dichloropropane	ug/kg	50	43.5	45.7	87	91	75-132	5	21	
1,3-Dichlorobenzene	ug/kg	50	64.8	58.8	130	118	65-153	10	20	
1,4-Dichlorobenzene	ug/kg	50	58.8	55.1	118	110	74-134	7	25	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

LABORATORY CONTROL SAMPLE & LCSD: 1708613 1708614

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ug/kg	50	41.0	47.4	82	95	70-130	15	20	
Bromodichloromethane	ug/kg	50	47.9	47.9	96	96	70-130	0	20	
Bromoform	ug/kg	50	49.4	48.0	99	96	67-130	3	24	
Bromomethane	ug/kg	50	32.6	34.1	65	68	43-129	5	25	
Carbon tetrachloride	ug/kg	50	41.5	45.4	83	91	69-130	9	20	
Chlorobenzene	ug/kg	50	53.1	52.0	106	104	70-130	2	20	
Chloroethane	ug/kg	50	34.7	37.5	69	75	47-135	8	20	
Chloroform	ug/kg	50	48.0	49.1	96	98	71-117	2	20	
Chloromethane	ug/kg	50	24.5	25.6	49	51	31-131	5	22	
cis-1,2-Dichloroethene	ug/kg	50	45.9	50.5	92	101	64-130	10	20	
cis-1,3-Dichloropropene	ug/kg	50	48.9	48.1	98	96	70-130	2	20	
Dibromochloromethane	ug/kg	50	50.1	50.0	100	100	70-130	0	20	
Dichlorodifluoromethane	ug/kg	50	13.3	16.3	27	33	22-103	20	20	
Ethylbenzene	ug/kg	50	50.3	51.4	101	103	78-119	2	20	
Isopropylbenzene (Cumene)	ug/kg	50	50.7	51.7	101	103	70-130	2	20	
m&p-Xylene	ug/kg	100	102	102	102	102	70-130	0	20	
Methyl-tert-butyl ether	ug/kg	50	46.0	46.4	92	93	50-138	1	25	
Methylene Chloride	ug/kg	50	47.9	50.9	96	102	52-150	6	20	
o-Xylene	ug/kg	50	50.6	51.3	101	103	70-130	1	20	
Styrene	ug/kg	50	52.7	50.6	105	101	70-130	4	20	
Tetrachloroethene	ug/kg	50	52.9	57.8	106	116	70-130	9	20	
Toluene	ug/kg	50	52.6	52.8	105	106	76-120	0	20	
trans-1,2-Dichloroethene	ug/kg	50	43.3	46.7	87	93	53-144	8	25	
trans-1,3-Dichloropropene	ug/kg	50	52.3	53.2	105	106	70-130	2	20	
Trichloroethene	ug/kg	50	46.5	50.0	93	100	70-130	7	20	
Trichlorofluoromethane	ug/kg	50	36.7	39.5	73	79	47-136	8	20	
Vinyl chloride	ug/kg	50	29.9	33.5	60	67	43-136	11	25	
4-Bromofluorobenzene (S)	%				107	94	62-130			
Dibromofluoromethane (S)	%				89	98	70-130			
Toluene-d8 (S)	%				101	99	70-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1708615 1708616

Parameter	Units	40171021001 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/kg	<3.2	50	50	48.3	17.9	97	36	41-144	92	50	M1,R1
1,1,2,2-Tetrachloroethane	ug/kg	<4.9	50	50	46.9	19.7	94	39	10-200	82	50	R1
1,1,2-Trichloroethane	ug/kg	<3.0	50	50	45.3	18.5	91	37	19-172	84	25	R1
1,1-Dichloroethane	ug/kg	<4.0	50	50	43.6	16.4	87	33	46-144	91	46	M1,R1
1,1-Dichloroethene	ug/kg	<3.4	50	50	42.2	14.8	84	30	11-174	96	50	R1
1,2,4-Trichlorobenzene	ug/kg	<2.4	50	50	37.4	14.4	75	29	41-182	89	25	M1,R1
1,2-Dibromo-3-chloropropane	ug/kg	<5.8	50	50	43.7	16.4J	87	33	77-158		40	M1
1,2-Dibromoethane (EDB)	ug/kg	<0.34	50	50	44.9	18.4	90	37	70-130	84	20	M1,R1
1,2-Dichlorobenzene	ug/kg	<2.4	50	50	49.8	17.1	100	34	70-140	98	20	M1,R1

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1708615 1708616

Parameter	Units	40171021001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/kg	<0.40	50	50	41.2	16.6	82	33	17-170	85	44	R1
1,2-Dichloropropane	ug/kg	<2.6	50	50	40.9	16.4	82	33	39-147	85	29	M1,R1
1,3-Dichlorobenzene	ug/kg	<2.7	50	50	51.4	18.6	103	37	65-153	94	20	M1,R1
1,4-Dichlorobenzene	ug/kg	<2.9	50	50	48.5	18.3	97	37	74-134	91	23	M1,R1
Benzene	ug/kg	<2.7	50	50	43.8	15.4	88	31	15-157	96	33	R1
Bromodichloromethane	ug/kg	<2.4	50	50	44.3	16.0	89	32	15-156	94	29	R1
Bromoform	ug/kg	<8.0	50	50	37.7	13.3J	75	27	10-153		38	
Bromomethane	ug/kg	<5.9	50	50	33.2	12.2J	66	24	10-161		42	
Carbon tetrachloride	ug/kg	<3.1	50	50	42.3	14.8	85	30	14-150	96	50	R1
Chlorobenzene	ug/kg	<2.9	50	50	49.4	18.1	99	36	37-137	93	30	M1,R1
Chloroethane	ug/kg	<3.6	50	50	35.4	12.2	71	24	10-177	98	45	R1
Chloroform	ug/kg	<3.2	50	50	42.2	18.4	84	37	42-135	78	28	M1,R1
Chloromethane	ug/kg	<2.4	50	50	24.0	9.8	48	20	10-168	84	50	R1
cis-1,2-Dichloroethene	ug/kg	<4.2	50	50	41.1	14.9	82	30	37-130	94	31	M1,R1
cis-1,3-Dichloropropene	ug/kg	<5.6	50	50	42.5	15.7J	85	31	10-167		31	
Dibromochloromethane	ug/kg	<2.5	50	50	44.6	18.9	89	38	10-164	81	25	R1
Dichlorodifluoromethane	ug/kg	<2.6	50	50	16.3	4.7J	33	9	22-103		20	M1
Ethylbenzene	ug/kg	<3.4	50	50	48.4	15.9	97	32	10-175	101	36	R1
Isopropylbenzene (Cumene)	ug/kg	<2.9	50	50	46.1	13.4	92	27	70-130	110	20	M1,R1
m&p-Xylene	ug/kg	<6.1	100	100	93.8	29.3	94	29	10-177	105	50	R1
Methyl-tert-butyl ether	ug/kg	<4.1	50	50	39.5	16.5	79	33	12-159	82	50	R1
Methylene Chloride	ug/kg	<2.7	50	50	44.5	17.4	89	35	15-185	87	29	R1
o-Xylene	ug/kg	<2.4	50	50	44.4	13.7	89	27	10-186	106	50	R1
Styrene	ug/kg	<11.7	50	50	42.8	13.8J	86	28	10-159		44	
Tetrachloroethene	ug/kg	<4.8	50	50	56.9	19.1	114	38	10-187	99	50	R1
Toluene	ug/kg	<3.0	50	50	51.8	17.3	104	35	13-166	100	48	R1
trans-1,2-Dichloroethene	ug/kg	<2.9	50	50	45.5	16.4	91	33	17-170	94	50	R1
trans-1,3-Dichloropropene	ug/kg	<2.1	50	50	47.2	18.6	94	37	10-176	87	28	R1
Trichloroethene	ug/kg	<3.0	50	50	44.1	17.5	88	35	41-138	86	50	M1,R1
Trichlorofluoromethane	ug/kg	<4.3	50	50	41.1	12.8J	82	26	47-136		20	M1
Vinyl chloride	ug/kg	<4.8	50	50	34.7	13.1J	69	26	10-179		50	
4-Bromofluorobenzene (S)	%						91	96	62-130			
Dibromofluoromethane (S)	%						97	91	70-130			
Toluene-d8 (S)	%						101	103	70-130			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

QC Batch: 291361 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Oxygenates
Associated Lab Samples: 40170426011

METHOD BLANK: 1703724 Matrix: Water
Associated Lab Samples: 40170426011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	06/08/18 10:11	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	06/08/18 10:11	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	06/08/18 10:11	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	06/08/18 10:11	
1,1-Dichloroethane	ug/L	<0.24	1.0	06/08/18 10:11	
1,1-Dichloroethene	ug/L	<0.41	1.0	06/08/18 10:11	
1,1-Dichloropropene	ug/L	<0.44	1.0	06/08/18 10:11	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	06/08/18 10:11	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	06/08/18 10:11	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	06/08/18 10:11	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	06/08/18 10:11	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	06/08/18 10:11	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	06/08/18 10:11	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	06/08/18 10:11	
1,2-Dichloroethane	ug/L	<0.17	1.0	06/08/18 10:11	
1,2-Dichloropropane	ug/L	<0.23	1.0	06/08/18 10:11	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	06/08/18 10:11	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	06/08/18 10:11	
1,3-Dichloropropane	ug/L	<0.50	1.0	06/08/18 10:11	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	06/08/18 10:11	
2,2-Dichloropropane	ug/L	<0.48	1.0	06/08/18 10:11	
2-Butanone (MEK)	ug/L	<3.0	20.0	06/08/18 10:11	
2-Chlorotoluene	ug/L	<0.50	1.0	06/08/18 10:11	
2-Propanol	ug/L	<24.3	250	06/08/18 10:11	
4-Chlorotoluene	ug/L	<0.21	1.0	06/08/18 10:11	
4-Methyl-2-pentanone (MIBK)	ug/L	<2.1	5.0	06/08/18 10:11	
Acetone	ug/L	<3.0	20.0	06/08/18 10:11	
Benzene	ug/L	<0.50	1.0	06/08/18 10:11	
Bromobenzene	ug/L	<0.23	1.0	06/08/18 10:11	
Bromochloromethane	ug/L	<0.34	1.0	06/08/18 10:11	
Bromodichloromethane	ug/L	<0.50	1.0	06/08/18 10:11	
Bromoform	ug/L	<0.50	1.0	06/08/18 10:11	
Bromomethane	ug/L	<2.4	5.0	06/08/18 10:11	
Carbon tetrachloride	ug/L	<0.50	1.0	06/08/18 10:11	
Chlorobenzene	ug/L	<0.50	1.0	06/08/18 10:11	
Chloroethane	ug/L	<0.37	1.0	06/08/18 10:11	
Chloroform	ug/L	<2.5	5.0	06/08/18 10:11	
Chloromethane	ug/L	<0.50	1.0	06/08/18 10:11	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	06/08/18 10:11	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	06/08/18 10:11	
Dibromochloromethane	ug/L	<0.50	1.0	06/08/18 10:11	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

METHOD BLANK: 1703724 Matrix: Water
Associated Lab Samples: 40170426011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<0.43	1.0	06/08/18 10:11	
Dichlorodifluoromethane	ug/L	<0.22	1.0	06/08/18 10:11	
Diisopropyl ether	ug/L	<0.50	1.0	06/08/18 10:11	
Ethylbenzene	ug/L	<0.50	1.0	06/08/18 10:11	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	06/08/18 10:11	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	06/08/18 10:11	
m&p-Xylene	ug/L	<1.0	2.0	06/08/18 10:11	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	06/08/18 10:11	
Methylene Chloride	ug/L	<0.23	1.0	06/08/18 10:11	
n-Butylbenzene	ug/L	<0.50	1.0	06/08/18 10:11	
n-Propylbenzene	ug/L	<0.50	1.0	06/08/18 10:11	
Naphthalene	ug/L	<2.5	5.0	06/08/18 10:11	
o-Xylene	ug/L	<0.50	1.0	06/08/18 10:11	
p-Isopropyltoluene	ug/L	<0.50	1.0	06/08/18 10:11	
sec-Butylbenzene	ug/L	<2.2	5.0	06/08/18 10:11	
Styrene	ug/L	<0.50	1.0	06/08/18 10:11	
tert-Butylbenzene	ug/L	<0.18	1.0	06/08/18 10:11	
Tetrachloroethene	ug/L	<0.50	1.0	06/08/18 10:11	
Toluene	ug/L	<0.50	1.0	06/08/18 10:11	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	06/08/18 10:11	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	06/08/18 10:11	
Trichloroethene	ug/L	<0.33	1.0	06/08/18 10:11	
Trichlorofluoromethane	ug/L	<0.18	1.0	06/08/18 10:11	
Vinyl chloride	ug/L	<0.18	1.0	06/08/18 10:11	
Xylene (Total)	ug/L	<1.5	3.0	06/08/18 10:11	
4-Bromofluorobenzene (S)	%	96	70-130	06/08/18 10:11	
Dibromofluoromethane (S)	%	111	70-130	06/08/18 10:11	
Toluene-d8 (S)	%	99	70-130	06/08/18 10:11	

LABORATORY CONTROL SAMPLE: 1703725

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.5	113	70-133	
1,1,2,2-Tetrachloroethane	ug/L	50	51.0	102	67-130	
1,1,2-Trichloroethane	ug/L	50	49.9	100	70-130	
1,1-Dichloroethane	ug/L	50	58.5	117	70-134	
1,1-Dichloroethene	ug/L	50	49.5	99	75-132	
1,2,4-Trichlorobenzene	ug/L	50	47.4	95	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	51.8	104	60-126	
1,2-Dibromoethane (EDB)	ug/L	50	50.4	101	70-130	
1,2-Dichlorobenzene	ug/L	50	50.9	102	70-130	
1,2-Dichloroethane	ug/L	50	53.7	107	73-134	
1,2-Dichloropropane	ug/L	50	53.9	108	79-128	
1,3-Dichlorobenzene	ug/L	50	49.7	99	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: 55929.005 WRR-SOIL
Pace Project No.: 40170426

LABORATORY CONTROL SAMPLE: 1703725

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	52.4	105	70-130	
Benzene	ug/L	50	50.0	100	69-137	
Bromodichloromethane	ug/L	50	59.0	118	70-130	
Bromoform	ug/L	50	47.4	95	64-133	
Bromomethane	ug/L	50	19.1	38	29-123	
Carbon tetrachloride	ug/L	50	59.1	118	73-142	
Chlorobenzene	ug/L	50	51.8	104	70-130	
Chloroethane	ug/L	50	43.7	87	59-133	
Chloroform	ug/L	50	53.9	108	80-129	
Chloromethane	ug/L	50	21.6	43	27-125	
cis-1,2-Dichloroethene	ug/L	50	48.5	97	70-134	
cis-1,3-Dichloropropene	ug/L	50	43.7	87	70-130	
Dibromochloromethane	ug/L	50	54.0	108	70-130	
Dichlorodifluoromethane	ug/L	50	32.1	64	12-127	
Ethylbenzene	ug/L	50	54.4	109	86-127	
Isopropylbenzene (Cumene)	ug/L	50	55.4	111	70-130	
m&p-Xylene	ug/L	100	111	111	70-131	
Methyl-tert-butyl ether	ug/L	50	48.0	96	65-136	
Methylene Chloride	ug/L	50	53.8	108	72-133	
o-Xylene	ug/L	50	56.2	112	70-130	
Styrene	ug/L	50	55.4	111	70-130	
Tetrachloroethene	ug/L	50	49.3	99	70-130	
Toluene	ug/L	50	50.3	101	84-124	
trans-1,2-Dichloroethene	ug/L	50	61.9	124	70-133	
trans-1,3-Dichloropropene	ug/L	50	37.1	74	67-130	
Trichloroethene	ug/L	50	55.4	111	70-130	
Trichlorofluoromethane	ug/L	50	54.4	109	69-147	
Vinyl chloride	ug/L	50	35.2	70	48-134	
Xylene (Total)	ug/L	150	168	112	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			101	70-130	
Toluene-d8 (S)	%			95	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

QC Batch: 291326 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40170426001, 40170426002, 40170426003, 40170426004, 40170426005, 40170426006, 40170426007

SAMPLE DUPLICATE: 1703571

Parameter	Units	40170429002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	20.1	19.0	6	10	

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: 55929.005 WRR-SOIL
Pace Project No.: 40170426

QC Batch: 291327 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40170426008, 40170426009, 40170426010

SAMPLE DUPLICATE: 1703602

Parameter	Units	40170429003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.0	18.1	0	10	

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: 55929.005 WRR-SOIL
Pace Project No.: 40170426

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

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

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1q	Subsampled from ZHE with headspace.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 55929.005 WRR-SOIL
Pace Project No.: 40170426

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40170426001	**GP-86 2.0-4.0**	EPA 8260	291814	EPA 8260	291817
40170426002	**GP-86 6.0-8.0**	EPA 8260	291814	EPA 8260	291817
40170426003	**GP-87 2.0-4.0**	EPA 8260	291814	EPA 8260	291817
40170426004	**GP-87 10.0-12.0**	EPA 8260	291814	EPA 8260	291817
40170426005	**GP-88 0.5-2.0**	EPA 8260	291814	EPA 8260	291817
40170426006	**GP-88 8.0-10.0**	EPA 8260	292225	EPA 8260	292226
40170426007	**GP-89 4.0-6.0**	EPA 8260	292225	EPA 8260	292226
40170426008	**GP-89 12.0-14.0**	EPA 8260	292225	EPA 8260	292226
40170426009	**GP-90 2.0-4.0**	EPA 8260	292225	EPA 8260	292226
40170426010	**GP-90 10.0-12.0**	EPA 8260	292225	EPA 8260	292226
40170426011	**TRIP BLANK**	EPA 8260	291361		
40170426001	**GP-86 2.0-4.0**	ASTM D2974-87	291326		
40170426002	**GP-86 6.0-8.0**	ASTM D2974-87	291326		
40170426003	**GP-87 2.0-4.0**	ASTM D2974-87	291326		
40170426004	**GP-87 10.0-12.0**	ASTM D2974-87	291326		
40170426005	**GP-88 0.5-2.0**	ASTM D2974-87	291326		
40170426006	**GP-88 8.0-10.0**	ASTM D2974-87	291326		
40170426007	**GP-89 4.0-6.0**	ASTM D2974-87	291326		
40170426008	**GP-89 12.0-14.0**	ASTM D2974-87	291327		
40170426009	**GP-90 2.0-4.0**	ASTM D2974-87	291327		
40170426010	**GP-90 10.0-12.0**	ASTM D2974-87	291327		

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

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

40170426

(Please Print Clearly)	
Company Name:	Gannett Fleming
Branch/Location:	Madison, WI
Project Contact:	Anthony Miller
Phone:	608-836-1500
Project Number:	55929.005
Project Name:	WRR - Soil
Project State:	WI
Sampled By (Print):	Chelsea Payne
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:	Anthony Miller
Mail To Company:	Gannett Fleming
Mail To Address:	8025 Excelsior Dr Madison, WI 53717
Invoice To Contact:	
Invoice To Company:	See Mail to
Invoice To Address:	
Invoice To Phone:	608-836-1500

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: VOC 8260	VOC WI List	Moisture	VOC 8260	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					N	E							
					N	F							
					N	A							
					N	B							
001	GP-86 2.0-4.0	6.5.18	10:00	S			2	1	1				
002	GP-86 6.0-8.0	↓	10:15	↓			↓	↓	↓				
003	GP-87 2.0-4.0		11:30										
004	GP-87 10.0-12.0	↓	11:45										
005	GP-88 0.5-2.0	6.6.18	9:00										
006	GP-88 8.0-10.0	"	9:15										
007	GP-89 4.0-6.0	6.5.18	16:30										
008	GP-89 12.0-14.0	"	16:45										
009	GP-90 2.0-4.0	6.6.18	14:15										
010	GP-90 10.0-12.0	"	14:30	↓			↓	↓	↓				
011	Trip Blank	"		GW						2			

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:
Chelsea Payne	6.6.18 17:00		
Fed Ex	6/7/18 0920		6/7/18 0920

PACE Project No.: 40170426
Receipt Temp = 2.1 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present
Intact / Not Intact

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

Sample Preservation Receipt Form

Client Name: Gannett Fleming

Project # 40170426

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	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN							
001																			1	2			1										2.5 / 5 / 10
002																			1	2			1										2.5 / 5 / 10
003																			1	2			1										2.5 / 5 / 10
004																			1	2			1										2.5 / 5 / 10
005																			1	2			1										2.5 / 5 / 10
006																			1	2			1										2.5 / 5 / 10
007																			1	2			1										2.5 / 5 / 10
008																			1	2			1										2.5 / 5 / 10
009																			1	2			1										2.5 / 5 / 10
010																			1	2			1										2.5 / 5 / 10
011																		1															2.5 / 5 / 10
012																																	2.5 / 5 / 10
013																																	2.5 / 5 / 10
014																																	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																																	2.5 / 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	BP3C	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)

Project #: WO#: 40170426

40170426

Client Name: Gannett Fleming

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

Tracking #: 8107 1982 1570

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

Person examining contents: Date: 6/7/18 Initials: SSM

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☒No ☐N/A	2. No PO #, Quote #, profile # SSM 6/7/18
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 BM 6/7/18	5. DI Vials not frozen out in hold (1) SSM 6/7/18
- 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: For Analysis: ☒Yes ☐No MS/MSD: ☐Yes ☒No ☐N/A		8.
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.
-Includes date/time/ID/Analysis Matrix: S/L		
Trip Blank Present:	☒Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☒Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 402		

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

Person Contacted: Date/Time:

Comments/ Resolution: (1) 001-004, ~~007, 008~~ - frozen out of hold SSM 6/7/18 SSM 6/8/18

Project Manager Review: Rnl for PM **Date:** 6/7/18

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

June 11, 2018

The analytical results and QA/QC data included with this report were reviewed by AWM on 06/20/18.

Tony Miller
Gannett Fleming
8025 Excelsior Drive
Madison, WI 53717

RE: Project: 55929.005 WRR-GW
Pace Project No.: 40170432

Dear Tony Miller:
Enclosed are the analytical results for sample(s) received by the laboratory on June 07, 2018. 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

cc: Chelsea Payne, Gannett Fleming Inc.

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

CERTIFICATIONS

Project: 55929.005 WRR-GW
Pace Project No.: 40170432

Green Bay Certification IDs

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: 55929.005 WRR-GW
Pace Project No.: 40170432

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40170432001	**SVE-4**	Water	06/05/18 08:05	06/07/18 09:20
40170432002	**GP-86**	Water	06/05/18 09:50	06/07/18 09:20
40170432003	**GP-87S**	Water	06/05/18 12:30	06/07/18 09:20
40170432004	**GP-87D**	Water	06/05/18 12:45	06/07/18 09:20
40170432005	**GP-88S**	Water	06/06/18 10:30	06/07/18 09:20
40170432006	**GP-88D**	Water	06/06/18 09:25	06/07/18 09:20
40170432007	**GP-89**	Water	06/06/18 08:30	06/07/18 09:20
40170432008	**GP-90S**	Water	06/06/18 15:15	06/07/18 09:20
40170432009	**GP-90D**	Water	06/06/18 14:45	06/07/18 09:20
40170432010	**TRIP BLANK**	Water	06/06/18 00:00	06/07/18 09:20

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

SAMPLE ANALYTE COUNT

Project: 55929.005 WRR-GW
Pace Project No.: 40170432

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40170432001	**SVE-4**	EPA 8260	MDS	69
40170432002	**GP-86**	EPA 8260	MDS	69
40170432003	**GP-87S**	EPA 8260	MDS	69
40170432004	**GP-87D**	EPA 8260	MDS	69
40170432005	**GP-88S**	EPA 8260	MDS	69
40170432006	**GP-88D**	EPA 8260	MDS	69
40170432007	**GP-89**	EPA 8260	MDS	69
40170432008	**GP-90S**	EPA 8260	MDS	69
40170432009	**GP-90D**	EPA 8260	MDS	69
40170432010	**TRIP BLANK**	EPA 8260	MDS	69

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

SUMMARY OF DETECTION

Project: 55929.005 WRR-GW
Pace Project No.: 40170432

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40170432001	**SVE-4**					
EPA 8260	1,1,1-Trichloroethane	29800	ug/L	625	06/08/18 19:55	
EPA 8260	1,1,2-Trichloroethane	8180	ug/L	625	06/08/18 19:55	
EPA 8260	1,1-Dichloroethane	2270	ug/L	625	06/08/18 19:55	
EPA 8260	1,1-Dichloroethene	2160	ug/L	625	06/08/18 19:55	
EPA 8260	1,2-Dichloroethane	338J	ug/L	625	06/08/18 19:55	
EPA 8260	1,2-Dichloropropane	445J	ug/L	625	06/08/18 19:55	
EPA 8260	4-Methyl-2-pentanone (MIBK)	4170	ug/L	3120	06/08/18 19:55	
EPA 8260	Acetone	6880J	ug/L	12500	06/08/18 19:55	
EPA 8260	Methylene Chloride	4680	ug/L	625	06/08/18 19:55	
EPA 8260	Tetrachloroethene	15600	ug/L	625	06/08/18 19:55	
EPA 8260	Toluene	515J	ug/L	625	06/08/18 19:55	
EPA 8260	Trichloroethene	13200	ug/L	625	06/08/18 19:55	
EPA 8260	Vinyl chloride	152J	ug/L	625	06/08/18 19:55	
EPA 8260	cis-1,2-Dichloroethene	82300	ug/L	625	06/08/18 19:55	
40170432002	**GP-86**					
EPA 8260	1,1,1-Trichloroethane	1090	ug/L	10.0	06/08/18 19:33	
EPA 8260	1,1,2-Trichloroethane	35.1	ug/L	10.0	06/08/18 19:33	
EPA 8260	1,1-Dichloroethane	36.0	ug/L	10.0	06/08/18 19:33	
EPA 8260	1,1-Dichloroethene	30.0	ug/L	10.0	06/08/18 19:33	
EPA 8260	Tetrachloroethene	368	ug/L	10.0	06/08/18 19:33	
EPA 8260	Trichloroethene	1340	ug/L	10.0	06/08/18 19:33	
EPA 8260	cis-1,2-Dichloroethene	305	ug/L	10.0	06/08/18 19:33	
EPA 8260	trans-1,2-Dichloroethene	15.3	ug/L	10.0	06/08/18 19:33	
40170432003	**GP-87S**					
EPA 8260	1,1,1-Trichloroethane	55.2	ug/L	1.0	06/08/18 15:56	
EPA 8260	1,1,2-Trichloroethane	8.4	ug/L	1.0	06/08/18 15:56	
EPA 8260	1,1-Dichloroethane	2.4	ug/L	1.0	06/08/18 15:56	
EPA 8260	1,1-Dichloroethene	1.1	ug/L	1.0	06/08/18 15:56	
EPA 8260	Acetone	5.1J	ug/L	20.0	06/08/18 15:56	
EPA 8260	Tetrachloroethene	10.2	ug/L	1.0	06/08/18 15:56	
EPA 8260	Trichloroethene	39.1	ug/L	1.0	06/08/18 15:56	
EPA 8260	cis-1,2-Dichloroethene	1.9	ug/L	1.0	06/08/18 15:56	
40170432004	**GP-87D**					
EPA 8260	1,1,1-Trichloroethane	1.2	ug/L	1.0	06/08/18 16:18	
EPA 8260	Trichloroethene	0.94J	ug/L	1.0	06/08/18 16:18	
40170432005	**GP-88S**					
EPA 8260	1,1,1-Trichloroethane	72.1	ug/L	1.0	06/08/18 16:39	
EPA 8260	1,1,2-Trichloroethane	128	ug/L	1.0	06/08/18 16:39	
EPA 8260	1,1-Dichloroethane	9.1	ug/L	1.0	06/08/18 16:39	
EPA 8260	1,1-Dichloroethene	3.1	ug/L	1.0	06/08/18 16:39	
EPA 8260	Acetone	9.5J	ug/L	20.0	06/08/18 16:39	
EPA 8260	Tetrachloroethene	24.7	ug/L	1.0	06/08/18 16:39	
EPA 8260	Trichloroethene	93.3	ug/L	1.0	06/08/18 16:39	
EPA 8260	cis-1,2-Dichloroethene	4.2	ug/L	1.0	06/08/18 16:39	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 55929.005 WRR-GW
Pace Project No.: 40170432

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40170432006	**GP-88D**					
EPA 8260	1,1,1-Trichloroethane	3.6	ug/L	1.0	06/08/18 17:01	
EPA 8260	Acetone	3.9J	ug/L	20.0	06/08/18 17:01	
EPA 8260	Tetrachloroethene	1.6	ug/L	1.0	06/08/18 17:01	
EPA 8260	Trichloroethene	2.0	ug/L	1.0	06/08/18 17:01	
40170432007	**GP-89**					
EPA 8260	Acetone	5.0J	ug/L	20.0	06/08/18 17:23	
EPA 8260	Trichloroethene	0.95J	ug/L	1.0	06/08/18 17:23	
40170432008	**GP-90S**					
EPA 8260	2-Propanol	32.4J	ug/L	250	06/08/18 17:44	
EPA 8260	Tetrachloroethene	5.6	ug/L	1.0	06/08/18 17:44	
40170432009	**GP-90D**					
EPA 8260	1,1,1-Trichloroethane	6.2	ug/L	1.0	06/08/18 18:06	
EPA 8260	Tetrachloroethene	23.3	ug/L	1.0	06/08/18 18:06	
EPA 8260	Trichloroethene	0.36J	ug/L	1.0	06/08/18 18:06	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 55929.005 WRR-GW
Pace Project No.: 40170432

Sample: SVE-4 **Lab ID: 40170432001** Collected: 06/05/18 08:05 Received: 06/07/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<113**	ug/L	625	113	625		06/08/18 19:55	630-20-6	
1,1,1-Trichloroethane	**29800**	ug/L	625	312	625		06/08/18 19:55	71-55-6	
1,1,2,2-Tetrachloroethane	**<156**	ug/L	625	156	625		06/08/18 19:55	79-34-5	
1,1,2-Trichloroethane	**8180**	ug/L	625	123	625		06/08/18 19:55	79-00-5	
1,1-Dichloroethane	**2270**	ug/L	625	151	625		06/08/18 19:55	75-34-3	
1,1-Dichloroethene	**2160**	ug/L	625	256	625		06/08/18 19:55	75-35-4	
1,1-Dichloropropene	**<276**	ug/L	625	276	625		06/08/18 19:55	563-58-6	
1,2,3-Trichlorobenzene	**<1330**	ug/L	3120	1330	625		06/08/18 19:55	87-61-6	
1,2,3-Trichloropropane	**<312**	ug/L	625	312	625		06/08/18 19:55	96-18-4	
1,2,4-Trichlorobenzene	**<1380**	ug/L	3120	1380	625		06/08/18 19:55	120-82-1	
1,2,4-Trimethylbenzene	**<312**	ug/L	625	312	625		06/08/18 19:55	95-63-6	
1,2-Dibromo-3-chloropropane	**<1350**	ug/L	3120	1350	625		06/08/18 19:55	96-12-8	
1,2-Dibromoethane (EDB)	**<111**	ug/L	625	111	625		06/08/18 19:55	106-93-4	
1,2-Dichlorobenzene	**<312**	ug/L	625	312	625		06/08/18 19:55	95-50-1	
1,2-Dichloroethane	**338J**	ug/L	625	105	625		06/08/18 19:55	107-06-2	
1,2-Dichloropropane	**445J**	ug/L	625	146	625		06/08/18 19:55	78-87-5	
1,3,5-Trimethylbenzene	**<312**	ug/L	625	312	625		06/08/18 19:55	108-67-8	
1,3-Dichlorobenzene	**<312**	ug/L	625	312	625		06/08/18 19:55	541-73-1	
1,3-Dichloropropane	**<312**	ug/L	625	312	625		06/08/18 19:55	142-28-9	
1,4-Dichlorobenzene	**<312**	ug/L	625	312	625		06/08/18 19:55	106-46-7	
2,2-Dichloropropane	**<302**	ug/L	625	302	625		06/08/18 19:55	594-20-7	
2-Butanone (MEK)	**<1860**	ug/L	12500	1860	625		06/08/18 19:55	78-93-3	
2-Chlorotoluene	**<312**	ug/L	625	312	625		06/08/18 19:55	95-49-8	
2-Propanol	**<15200**	ug/L	156000	15200	625		06/08/18 19:55	67-63-0	
4-Chlorotoluene	**<134**	ug/L	625	134	625		06/08/18 19:55	106-43-4	
4-Methyl-2-pentanone (MIBK)	**4170**	ug/L	3120	1340	625		06/08/18 19:55	108-10-1	
Acetone	**6880J**	ug/L	12500	1850	625		06/08/18 19:55	67-64-1	
Benzene	**<312**	ug/L	625	312	625		06/08/18 19:55	71-43-2	
Bromobenzene	**<144**	ug/L	625	144	625		06/08/18 19:55	108-86-1	
Bromochloromethane	**<213**	ug/L	625	213	625		06/08/18 19:55	74-97-5	
Bromodichloromethane	**<312**	ug/L	625	312	625		06/08/18 19:55	75-27-4	
Bromoform	**<312**	ug/L	625	312	625		06/08/18 19:55	75-25-2	
Bromomethane	**<1520**	ug/L	3120	1520	625		06/08/18 19:55	74-83-9	
Carbon tetrachloride	**<312**	ug/L	625	312	625		06/08/18 19:55	56-23-5	
Chlorobenzene	**<312**	ug/L	625	312	625		06/08/18 19:55	108-90-7	
Chloroethane	**<234**	ug/L	625	234	625		06/08/18 19:55	75-00-3	
Chloroform	**<1560**	ug/L	3120	1560	625		06/08/18 19:55	67-66-3	
Chloromethane	**<312**	ug/L	625	312	625		06/08/18 19:55	74-87-3	
Dibromochloromethane	**<312**	ug/L	625	312	625		06/08/18 19:55	124-48-1	
Dibromomethane	**<267**	ug/L	625	267	625		06/08/18 19:55	74-95-3	
Dichlorodifluoromethane	**<140**	ug/L	625	140	625		06/08/18 19:55	75-71-8	
Diisopropyl ether	**<312**	ug/L	625	312	625		06/08/18 19:55	108-20-3	
Ethylbenzene	**<312**	ug/L	625	312	625		06/08/18 19:55	100-41-4	
Hexachloro-1,3-butadiene	**<1320**	ug/L	3120	1320	625		06/08/18 19:55	87-68-3	
Isopropylbenzene (Cumene)	**<89.6**	ug/L	625	89.6	625		06/08/18 19:55	98-82-8	
Methyl-tert-butyl ether	**<109**	ug/L	625	109	625		06/08/18 19:55	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 55929.005 WRR-GW
Pace Project No.: 40170432

Sample: SVE-4 **Lab ID: 40170432001** Collected: 06/05/18 08:05 Received: 06/07/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Methylene Chloride	**4680**	ug/L	625	145	625		06/08/18 19:55	75-09-2	
Naphthalene	**<1560**	ug/L	3120	1560	625		06/08/18 19:55	91-20-3	
Styrene	**<312**	ug/L	625	312	625		06/08/18 19:55	100-42-5	
Tetrachloroethene	**15600**	ug/L	625	312	625		06/08/18 19:55	127-18-4	
Toluene	**515J**	ug/L	625	312	625		06/08/18 19:55	108-88-3	
Trichloroethene	**13200**	ug/L	625	207	625		06/08/18 19:55	79-01-6	
Trichlorofluoromethane	**<116**	ug/L	625	116	625		06/08/18 19:55	75-69-4	
Vinyl chloride	**152J**	ug/L	625	110	625		06/08/18 19:55	75-01-4	
Xylene (Total)	**<938**	ug/L	1880	938	625		06/08/18 19:55	1330-20-7	
cis-1,2-Dichloroethene	**82300**	ug/L	625	160	625		06/08/18 19:55	156-59-2	
cis-1,3-Dichloropropene	**<312**	ug/L	625	312	625		06/08/18 19:55	10061-01-5	
m&p-Xylene	**<625**	ug/L	1250	625	625		06/08/18 19:55	179601-23-1	
n-Butylbenzene	**<312**	ug/L	625	312	625		06/08/18 19:55	104-51-8	
n-Propylbenzene	**<312**	ug/L	625	312	625		06/08/18 19:55	103-65-1	
o-Xylene	**<312**	ug/L	625	312	625		06/08/18 19:55	95-47-6	
p-Isopropyltoluene	**<312**	ug/L	625	312	625		06/08/18 19:55	99-87-6	
sec-Butylbenzene	**<1370**	ug/L	3120	1370	625		06/08/18 19:55	135-98-8	
tert-Butylbenzene	**<113**	ug/L	625	113	625		06/08/18 19:55	98-06-6	
trans-1,2-Dichloroethene	**<160**	ug/L	625	160	625		06/08/18 19:55	156-60-5	
trans-1,3-Dichloropropene	**<144**	ug/L	625	144	625		06/08/18 19:55	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	122	%	70-130		625		06/08/18 19:55	1868-53-7	
Toluene-d8 (S)	97	%	70-130		625		06/08/18 19:55	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		625		06/08/18 19:55	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 55929.005 WRR-GW
Pace Project No.: 40170432

Sample: GP-86 **Lab ID: 40170432002** Collected: 06/05/18 09:50 Received: 06/07/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<1.8**	ug/L	10.0	1.8	10		06/08/18 19:33	630-20-6	
1,1,1-Trichloroethane	**1090**	ug/L	10.0	5.0	10		06/08/18 19:33	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.5**	ug/L	10.0	2.5	10		06/08/18 19:33	79-34-5	
1,1,2-Trichloroethane	**35.1**	ug/L	10.0	2.0	10		06/08/18 19:33	79-00-5	
1,1-Dichloroethane	**36.0**	ug/L	10.0	2.4	10		06/08/18 19:33	75-34-3	
1,1-Dichloroethene	**30.0**	ug/L	10.0	4.1	10		06/08/18 19:33	75-35-4	
1,1-Dichloropropene	**<4.4**	ug/L	10.0	4.4	10		06/08/18 19:33	563-58-6	
1,2,3-Trichlorobenzene	**<21.3**	ug/L	50.0	21.3	10		06/08/18 19:33	87-61-6	
1,2,3-Trichloropropane	**<5.0**	ug/L	10.0	5.0	10		06/08/18 19:33	96-18-4	
1,2,4-Trichlorobenzene	**<22.1**	ug/L	50.0	22.1	10		06/08/18 19:33	120-82-1	
1,2,4-Trimethylbenzene	**<5.0**	ug/L	10.0	5.0	10		06/08/18 19:33	95-63-6	
1,2-Dibromo-3-chloropropane	**<21.6**	ug/L	50.0	21.6	10		06/08/18 19:33	96-12-8	
1,2-Dibromoethane (EDB)	**<1.8**	ug/L	10.0	1.8	10		06/08/18 19:33	106-93-4	
1,2-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		06/08/18 19:33	95-50-1	
1,2-Dichloroethane	**<1.7**	ug/L	10.0	1.7	10		06/08/18 19:33	107-06-2	
1,2-Dichloropropane	**<2.3**	ug/L	10.0	2.3	10		06/08/18 19:33	78-87-5	
1,3,5-Trimethylbenzene	**<5.0**	ug/L	10.0	5.0	10		06/08/18 19:33	108-67-8	
1,3-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		06/08/18 19:33	541-73-1	
1,3-Dichloropropane	**<5.0**	ug/L	10.0	5.0	10		06/08/18 19:33	142-28-9	
1,4-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		06/08/18 19:33	106-46-7	
2,2-Dichloropropane	**<4.8**	ug/L	10.0	4.8	10		06/08/18 19:33	594-20-7	
2-Butanone (MEK)	**<29.8**	ug/L	200	29.8	10		06/08/18 19:33	78-93-3	
2-Chlorotoluene	**<5.0**	ug/L	10.0	5.0	10		06/08/18 19:33	95-49-8	
2-Propanol	**<243**	ug/L	2500	243	10		06/08/18 19:33	67-63-0	
4-Chlorotoluene	**<2.1**	ug/L	10.0	2.1	10		06/08/18 19:33	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<21.4**	ug/L	50.0	21.4	10		06/08/18 19:33	108-10-1	
Acetone	**<29.5**	ug/L	200	29.5	10		06/08/18 19:33	67-64-1	
Benzene	**<5.0**	ug/L	10.0	5.0	10		06/08/18 19:33	71-43-2	
Bromobenzene	**<2.3**	ug/L	10.0	2.3	10		06/08/18 19:33	108-86-1	
Bromochloromethane	**<3.4**	ug/L	10.0	3.4	10		06/08/18 19:33	74-97-5	
Bromodichloromethane	**<5.0**	ug/L	10.0	5.0	10		06/08/18 19:33	75-27-4	
Bromoform	**<5.0**	ug/L	10.0	5.0	10		06/08/18 19:33	75-25-2	
Bromomethane	**<24.3**	ug/L	50.0	24.3	10		06/08/18 19:33	74-83-9	
Carbon tetrachloride	**<5.0**	ug/L	10.0	5.0	10		06/08/18 19:33	56-23-5	
Chlorobenzene	**<5.0**	ug/L	10.0	5.0	10		06/08/18 19:33	108-90-7	
Chloroethane	**<3.7**	ug/L	10.0	3.7	10		06/08/18 19:33	75-00-3	
Chloroform	**<25.0**	ug/L	50.0	25.0	10		06/08/18 19:33	67-66-3	
Chloromethane	**<5.0**	ug/L	10.0	5.0	10		06/08/18 19:33	74-87-3	
Dibromochloromethane	**<5.0**	ug/L	10.0	5.0	10		06/08/18 19:33	124-48-1	
Dibromomethane	**<4.3**	ug/L	10.0	4.3	10		06/08/18 19:33	74-95-3	
Dichlorodifluoromethane	**<2.2**	ug/L	10.0	2.2	10		06/08/18 19:33	75-71-8	
Diisopropyl ether	**<5.0**	ug/L	10.0	5.0	10		06/08/18 19:33	108-20-3	
Ethylbenzene	**<5.0**	ug/L	10.0	5.0	10		06/08/18 19:33	100-41-4	
Hexachloro-1,3-butadiene	**<21.1**	ug/L	50.0	21.1	10		06/08/18 19:33	87-68-3	
Isopropylbenzene (Cumene)	**<1.4**	ug/L	10.0	1.4	10		06/08/18 19:33	98-82-8	
Methyl-tert-butyl ether	**<1.7**	ug/L	10.0	1.7	10		06/08/18 19:33	1634-04-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 55929.005 WRR-GW
Pace Project No.: 40170432

Sample: GP-86 **Lab ID: 40170432002** Collected: 06/05/18 09:50 Received: 06/07/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Methylene Chloride	**<2.3**	ug/L	10.0	2.3	10		06/08/18 19:33	75-09-2	
Naphthalene	**<25.0**	ug/L	50.0	25.0	10		06/08/18 19:33	91-20-3	
Styrene	**<5.0**	ug/L	10.0	5.0	10		06/08/18 19:33	100-42-5	
Tetrachloroethene	**368**	ug/L	10.0	5.0	10		06/08/18 19:33	127-18-4	
Toluene	**<5.0**	ug/L	10.0	5.0	10		06/08/18 19:33	108-88-3	
Trichloroethene	**1340**	ug/L	10.0	3.3	10		06/08/18 19:33	79-01-6	
Trichlorofluoromethane	**<1.8**	ug/L	10.0	1.8	10		06/08/18 19:33	75-69-4	
Vinyl chloride	**<1.8**	ug/L	10.0	1.8	10		06/08/18 19:33	75-01-4	
Xylene (Total)	**<15.0**	ug/L	30.0	15.0	10		06/08/18 19:33	1330-20-7	
cis-1,2-Dichloroethene	**305**	ug/L	10.0	2.6	10		06/08/18 19:33	156-59-2	
cis-1,3-Dichloropropene	**<5.0**	ug/L	10.0	5.0	10		06/08/18 19:33	10061-01-5	
m&p-Xylene	**<10.0**	ug/L	20.0	10.0	10		06/08/18 19:33	179601-23-1	
n-Butylbenzene	**<5.0**	ug/L	10.0	5.0	10		06/08/18 19:33	104-51-8	
n-Propylbenzene	**<5.0**	ug/L	10.0	5.0	10		06/08/18 19:33	103-65-1	
o-Xylene	**<5.0**	ug/L	10.0	5.0	10		06/08/18 19:33	95-47-6	
p-Isopropyltoluene	**<5.0**	ug/L	10.0	5.0	10		06/08/18 19:33	99-87-6	
sec-Butylbenzene	**<21.9**	ug/L	50.0	21.9	10		06/08/18 19:33	135-98-8	
tert-Butylbenzene	**<1.8**	ug/L	10.0	1.8	10		06/08/18 19:33	98-06-6	
trans-1,2-Dichloroethene	**15.3**	ug/L	10.0	2.6	10		06/08/18 19:33	156-60-5	
trans-1,3-Dichloropropene	**<2.3**	ug/L	10.0	2.3	10		06/08/18 19:33	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	115	%	70-130		10		06/08/18 19:33	1868-53-7	
Toluene-d8 (S)	99	%	70-130		10		06/08/18 19:33	2037-26-5	
4-Bromofluorobenzene (S)	87	%	70-130		10		06/08/18 19:33	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 55929.005 WRR-GW
Pace Project No.: 40170432

Sample: GP-87S **Lab ID: 40170432003** Collected: 06/05/18 12:30 Received: 06/07/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		06/08/18 15:56	630-20-6	
1,1,1-Trichloroethane	**55.2**	ug/L	1.0	0.50	1		06/08/18 15:56	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		06/08/18 15:56	79-34-5	
1,1,2-Trichloroethane	**8.4**	ug/L	1.0	0.20	1		06/08/18 15:56	79-00-5	
1,1-Dichloroethane	**2.4**	ug/L	1.0	0.24	1		06/08/18 15:56	75-34-3	
1,1-Dichloroethene	**1.1**	ug/L	1.0	0.41	1		06/08/18 15:56	75-35-4	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		06/08/18 15:56	563-58-6	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		06/08/18 15:56	87-61-6	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 15:56	96-18-4	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		06/08/18 15:56	120-82-1	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 15:56	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		06/08/18 15:56	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		06/08/18 15:56	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 15:56	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		06/08/18 15:56	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		06/08/18 15:56	78-87-5	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 15:56	108-67-8	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 15:56	541-73-1	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 15:56	142-28-9	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 15:56	106-46-7	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		06/08/18 15:56	594-20-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		06/08/18 15:56	78-93-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 15:56	95-49-8	
2-Propanol	**<24.3**	ug/L	250	24.3	1		06/08/18 15:56	67-63-0	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		06/08/18 15:56	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		06/08/18 15:56	108-10-1	
Acetone	**5.1J**	ug/L	20.0	3.0	1		06/08/18 15:56	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 15:56	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		06/08/18 15:56	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		06/08/18 15:56	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 15:56	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		06/08/18 15:56	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		06/08/18 15:56	74-83-9	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		06/08/18 15:56	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 15:56	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		06/08/18 15:56	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		06/08/18 15:56	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 15:56	74-87-3	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 15:56	124-48-1	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		06/08/18 15:56	74-95-3	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		06/08/18 15:56	75-71-8	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		06/08/18 15:56	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 15:56	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		06/08/18 15:56	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		06/08/18 15:56	98-82-8	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		06/08/18 15:56	1634-04-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 55929.005 WRR-GW
Pace Project No.: 40170432

Sample: GP-87S **Lab ID: 40170432003** Collected: 06/05/18 12:30 Received: 06/07/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		06/08/18 15:56	75-09-2	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		06/08/18 15:56	91-20-3	
Styrene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 15:56	100-42-5	
Tetrachloroethene	**10.2**	ug/L	1.0	0.50	1		06/08/18 15:56	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 15:56	108-88-3	
Trichloroethene	**39.1**	ug/L	1.0	0.33	1		06/08/18 15:56	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		06/08/18 15:56	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		06/08/18 15:56	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		06/08/18 15:56	1330-20-7	
cis-1,2-Dichloroethene	**1.9**	ug/L	1.0	0.26	1		06/08/18 15:56	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 15:56	10061-01-5	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		06/08/18 15:56	179601-23-1	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 15:56	104-51-8	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 15:56	103-65-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 15:56	95-47-6	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 15:56	99-87-6	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		06/08/18 15:56	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		06/08/18 15:56	98-06-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/08/18 15:56	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		06/08/18 15:56	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	120	%	70-130		1		06/08/18 15:56	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		06/08/18 15:56	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		06/08/18 15:56	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR-GW
Pace Project No.: 40170432

Sample: GP-87D **Lab ID: 40170432004** Collected: 06/05/18 12:45 Received: 06/07/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		06/08/18 16:18	630-20-6	
1,1,1-Trichloroethane	**1.2**	ug/L	1.0	0.50	1		06/08/18 16:18	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		06/08/18 16:18	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		06/08/18 16:18	79-00-5	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/08/18 16:18	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		06/08/18 16:18	75-35-4	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		06/08/18 16:18	563-58-6	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		06/08/18 16:18	87-61-6	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:18	96-18-4	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		06/08/18 16:18	120-82-1	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:18	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		06/08/18 16:18	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		06/08/18 16:18	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:18	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		06/08/18 16:18	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		06/08/18 16:18	78-87-5	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:18	108-67-8	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:18	541-73-1	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:18	142-28-9	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:18	106-46-7	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		06/08/18 16:18	594-20-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		06/08/18 16:18	78-93-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:18	95-49-8	
2-Propanol	**<24.3**	ug/L	250	24.3	1		06/08/18 16:18	67-63-0	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		06/08/18 16:18	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		06/08/18 16:18	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		06/08/18 16:18	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:18	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		06/08/18 16:18	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		06/08/18 16:18	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:18	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:18	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		06/08/18 16:18	74-83-9	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:18	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:18	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		06/08/18 16:18	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		06/08/18 16:18	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:18	74-87-3	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:18	124-48-1	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		06/08/18 16:18	74-95-3	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		06/08/18 16:18	75-71-8	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:18	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:18	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		06/08/18 16:18	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		06/08/18 16:18	98-82-8	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		06/08/18 16:18	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR-GW
Pace Project No.: 40170432

Sample: GP-87D **Lab ID: 40170432004** Collected: 06/05/18 12:45 Received: 06/07/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		06/08/18 16:18	75-09-2	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		06/08/18 16:18	91-20-3	
Styrene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:18	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:18	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:18	108-88-3	
Trichloroethene	**0.94J**	ug/L	1.0	0.33	1		06/08/18 16:18	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		06/08/18 16:18	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		06/08/18 16:18	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		06/08/18 16:18	1330-20-7	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/08/18 16:18	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:18	10061-01-5	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		06/08/18 16:18	179601-23-1	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:18	104-51-8	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:18	103-65-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:18	95-47-6	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:18	99-87-6	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		06/08/18 16:18	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		06/08/18 16:18	98-06-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/08/18 16:18	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		06/08/18 16:18	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	117	%	70-130		1		06/08/18 16:18	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		06/08/18 16:18	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		06/08/18 16:18	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR-GW
Pace Project No.: 40170432

Sample: GP-88S **Lab ID: 40170432005** Collected: 06/06/18 10:30 Received: 06/07/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		06/08/18 16:39	630-20-6	
1,1,1-Trichloroethane	**72.1**	ug/L	1.0	0.50	1		06/08/18 16:39	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		06/08/18 16:39	79-34-5	
1,1,2-Trichloroethane	**128**	ug/L	1.0	0.20	1		06/08/18 16:39	79-00-5	
1,1-Dichloroethane	**9.1**	ug/L	1.0	0.24	1		06/08/18 16:39	75-34-3	
1,1-Dichloroethene	**3.1**	ug/L	1.0	0.41	1		06/08/18 16:39	75-35-4	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		06/08/18 16:39	563-58-6	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		06/08/18 16:39	87-61-6	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:39	96-18-4	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		06/08/18 16:39	120-82-1	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:39	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		06/08/18 16:39	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		06/08/18 16:39	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:39	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		06/08/18 16:39	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		06/08/18 16:39	78-87-5	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:39	108-67-8	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:39	541-73-1	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:39	142-28-9	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:39	106-46-7	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		06/08/18 16:39	594-20-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		06/08/18 16:39	78-93-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:39	95-49-8	
2-Propanol	**<24.3**	ug/L	250	24.3	1		06/08/18 16:39	67-63-0	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		06/08/18 16:39	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		06/08/18 16:39	108-10-1	
Acetone	**9.5J**	ug/L	20.0	3.0	1		06/08/18 16:39	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:39	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		06/08/18 16:39	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		06/08/18 16:39	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:39	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:39	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		06/08/18 16:39	74-83-9	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:39	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:39	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		06/08/18 16:39	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		06/08/18 16:39	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:39	74-87-3	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:39	124-48-1	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		06/08/18 16:39	74-95-3	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		06/08/18 16:39	75-71-8	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:39	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:39	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		06/08/18 16:39	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		06/08/18 16:39	98-82-8	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		06/08/18 16:39	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 55929.005 WRR-GW
Pace Project No.: 40170432

Sample: GP-88S **Lab ID: 40170432005** Collected: 06/06/18 10:30 Received: 06/07/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		06/08/18 16:39	75-09-2	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		06/08/18 16:39	91-20-3	
Styrene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:39	100-42-5	
Tetrachloroethene	**24.7**	ug/L	1.0	0.50	1		06/08/18 16:39	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:39	108-88-3	
Trichloroethene	**93.3**	ug/L	1.0	0.33	1		06/08/18 16:39	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		06/08/18 16:39	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		06/08/18 16:39	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		06/08/18 16:39	1330-20-7	
cis-1,2-Dichloroethene	**4.2**	ug/L	1.0	0.26	1		06/08/18 16:39	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:39	10061-01-5	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		06/08/18 16:39	179601-23-1	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:39	104-51-8	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:39	103-65-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:39	95-47-6	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 16:39	99-87-6	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		06/08/18 16:39	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		06/08/18 16:39	98-06-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/08/18 16:39	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		06/08/18 16:39	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	116	%	70-130		1		06/08/18 16:39	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		06/08/18 16:39	2037-26-5	
4-Bromofluorobenzene (S)	88	%	70-130		1		06/08/18 16:39	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR-GW
Pace Project No.: 40170432

Sample: GP-88D **Lab ID: 40170432006** Collected: 06/06/18 09:25 Received: 06/07/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		06/08/18 17:01	630-20-6	
1,1,1-Trichloroethane	**3.6**	ug/L	1.0	0.50	1		06/08/18 17:01	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		06/08/18 17:01	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		06/08/18 17:01	79-00-5	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/08/18 17:01	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		06/08/18 17:01	75-35-4	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		06/08/18 17:01	563-58-6	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		06/08/18 17:01	87-61-6	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:01	96-18-4	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		06/08/18 17:01	120-82-1	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:01	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		06/08/18 17:01	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		06/08/18 17:01	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:01	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		06/08/18 17:01	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		06/08/18 17:01	78-87-5	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:01	108-67-8	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:01	541-73-1	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:01	142-28-9	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:01	106-46-7	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		06/08/18 17:01	594-20-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		06/08/18 17:01	78-93-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:01	95-49-8	
2-Propanol	**<24.3**	ug/L	250	24.3	1		06/08/18 17:01	67-63-0	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		06/08/18 17:01	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		06/08/18 17:01	108-10-1	
Acetone	**3.9J**	ug/L	20.0	3.0	1		06/08/18 17:01	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:01	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		06/08/18 17:01	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		06/08/18 17:01	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:01	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:01	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		06/08/18 17:01	74-83-9	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:01	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:01	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		06/08/18 17:01	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		06/08/18 17:01	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:01	74-87-3	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:01	124-48-1	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		06/08/18 17:01	74-95-3	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		06/08/18 17:01	75-71-8	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:01	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:01	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		06/08/18 17:01	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		06/08/18 17:01	98-82-8	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		06/08/18 17:01	1634-04-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 55929.005 WRR-GW
Pace Project No.: 40170432

Sample: GP-88D **Lab ID: 40170432006** Collected: 06/06/18 09:25 Received: 06/07/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		06/08/18 17:01	75-09-2	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		06/08/18 17:01	91-20-3	
Styrene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:01	100-42-5	
Tetrachloroethene	**1.6**	ug/L	1.0	0.50	1		06/08/18 17:01	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:01	108-88-3	
Trichloroethene	**2.0**	ug/L	1.0	0.33	1		06/08/18 17:01	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		06/08/18 17:01	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		06/08/18 17:01	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		06/08/18 17:01	1330-20-7	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/08/18 17:01	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:01	10061-01-5	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		06/08/18 17:01	179601-23-1	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:01	104-51-8	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:01	103-65-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:01	95-47-6	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:01	99-87-6	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		06/08/18 17:01	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		06/08/18 17:01	98-06-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/08/18 17:01	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		06/08/18 17:01	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	119	%	70-130		1		06/08/18 17:01	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		06/08/18 17:01	2037-26-5	
4-Bromofluorobenzene (S)	87	%	70-130		1		06/08/18 17:01	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 55929.005 WRR-GW
Pace Project No.: 40170432

Sample: GP-89 **Lab ID: 40170432007** Collected: 06/06/18 08:30 Received: 06/07/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		06/08/18 17:23	630-20-6	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:23	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		06/08/18 17:23	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		06/08/18 17:23	79-00-5	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/08/18 17:23	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		06/08/18 17:23	75-35-4	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		06/08/18 17:23	563-58-6	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		06/08/18 17:23	87-61-6	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:23	96-18-4	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		06/08/18 17:23	120-82-1	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:23	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		06/08/18 17:23	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		06/08/18 17:23	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:23	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		06/08/18 17:23	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		06/08/18 17:23	78-87-5	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:23	108-67-8	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:23	541-73-1	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:23	142-28-9	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:23	106-46-7	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		06/08/18 17:23	594-20-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		06/08/18 17:23	78-93-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:23	95-49-8	
2-Propanol	**<24.3**	ug/L	250	24.3	1		06/08/18 17:23	67-63-0	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		06/08/18 17:23	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		06/08/18 17:23	108-10-1	
Acetone	**5.0J**	ug/L	20.0	3.0	1		06/08/18 17:23	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:23	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		06/08/18 17:23	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		06/08/18 17:23	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:23	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:23	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		06/08/18 17:23	74-83-9	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:23	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:23	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		06/08/18 17:23	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		06/08/18 17:23	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:23	74-87-3	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:23	124-48-1	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		06/08/18 17:23	74-95-3	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		06/08/18 17:23	75-71-8	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:23	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:23	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		06/08/18 17:23	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		06/08/18 17:23	98-82-8	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		06/08/18 17:23	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 55929.005 WRR-GW
Pace Project No.: 40170432

Sample: GP-89 **Lab ID: 40170432007** Collected: 06/06/18 08:30 Received: 06/07/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		06/08/18 17:23	75-09-2	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		06/08/18 17:23	91-20-3	
Styrene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:23	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:23	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:23	108-88-3	
Trichloroethene	**0.95J**	ug/L	1.0	0.33	1		06/08/18 17:23	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		06/08/18 17:23	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		06/08/18 17:23	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		06/08/18 17:23	1330-20-7	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/08/18 17:23	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:23	10061-01-5	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		06/08/18 17:23	179601-23-1	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:23	104-51-8	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:23	103-65-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:23	95-47-6	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:23	99-87-6	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		06/08/18 17:23	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		06/08/18 17:23	98-06-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/08/18 17:23	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		06/08/18 17:23	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	121	%	70-130		1		06/08/18 17:23	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		06/08/18 17:23	2037-26-5	
4-Bromofluorobenzene (S)	89	%	70-130		1		06/08/18 17:23	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 55929.005 WRR-GW
Pace Project No.: 40170432

Sample: GP-90S **Lab ID: 40170432008** Collected: 06/06/18 15:15 Received: 06/07/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		06/08/18 17:44	630-20-6	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:44	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		06/08/18 17:44	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		06/08/18 17:44	79-00-5	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/08/18 17:44	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		06/08/18 17:44	75-35-4	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		06/08/18 17:44	563-58-6	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		06/08/18 17:44	87-61-6	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:44	96-18-4	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		06/08/18 17:44	120-82-1	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:44	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		06/08/18 17:44	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		06/08/18 17:44	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:44	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		06/08/18 17:44	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		06/08/18 17:44	78-87-5	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:44	108-67-8	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:44	541-73-1	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:44	142-28-9	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:44	106-46-7	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		06/08/18 17:44	594-20-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		06/08/18 17:44	78-93-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:44	95-49-8	
2-Propanol	**32.4J**	ug/L	250	24.3	1		06/08/18 17:44	67-63-0	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		06/08/18 17:44	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		06/08/18 17:44	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		06/08/18 17:44	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:44	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		06/08/18 17:44	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		06/08/18 17:44	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:44	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:44	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		06/08/18 17:44	74-83-9	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:44	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:44	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		06/08/18 17:44	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		06/08/18 17:44	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:44	74-87-3	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:44	124-48-1	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		06/08/18 17:44	74-95-3	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		06/08/18 17:44	75-71-8	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:44	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:44	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		06/08/18 17:44	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		06/08/18 17:44	98-82-8	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		06/08/18 17:44	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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

Project: 55929.005 WRR-GW
Pace Project No.: 40170432

Sample: GP-90S **Lab ID: 40170432008** Collected: 06/06/18 15:15 Received: 06/07/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		06/08/18 17:44	75-09-2	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		06/08/18 17:44	91-20-3	
Styrene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:44	100-42-5	
Tetrachloroethene	**5.6**	ug/L	1.0	0.50	1		06/08/18 17:44	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:44	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		06/08/18 17:44	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		06/08/18 17:44	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		06/08/18 17:44	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		06/08/18 17:44	1330-20-7	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/08/18 17:44	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:44	10061-01-5	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		06/08/18 17:44	179601-23-1	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:44	104-51-8	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:44	103-65-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:44	95-47-6	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 17:44	99-87-6	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		06/08/18 17:44	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		06/08/18 17:44	98-06-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/08/18 17:44	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		06/08/18 17:44	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	119	%	70-130		1		06/08/18 17:44	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		06/08/18 17:44	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		06/08/18 17:44	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

Project: 55929.005 WRR-GW
Pace Project No.: 40170432

Sample: GP-90D **Lab ID: 40170432009** Collected: 06/06/18 14:45 Received: 06/07/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		06/08/18 18:06	630-20-6	
1,1,1-Trichloroethane	**6.2**	ug/L	1.0	0.50	1		06/08/18 18:06	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		06/08/18 18:06	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		06/08/18 18:06	79-00-5	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/08/18 18:06	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		06/08/18 18:06	75-35-4	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		06/08/18 18:06	563-58-6	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		06/08/18 18:06	87-61-6	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 18:06	96-18-4	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		06/08/18 18:06	120-82-1	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 18:06	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		06/08/18 18:06	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		06/08/18 18:06	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 18:06	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		06/08/18 18:06	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		06/08/18 18:06	78-87-5	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 18:06	108-67-8	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 18:06	541-73-1	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 18:06	142-28-9	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 18:06	106-46-7	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		06/08/18 18:06	594-20-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		06/08/18 18:06	78-93-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 18:06	95-49-8	
2-Propanol	**<24.3**	ug/L	250	24.3	1		06/08/18 18:06	67-63-0	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		06/08/18 18:06	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		06/08/18 18:06	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		06/08/18 18:06	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 18:06	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		06/08/18 18:06	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		06/08/18 18:06	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 18:06	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		06/08/18 18:06	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		06/08/18 18:06	74-83-9	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		06/08/18 18:06	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 18:06	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		06/08/18 18:06	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		06/08/18 18:06	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 18:06	74-87-3	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 18:06	124-48-1	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		06/08/18 18:06	74-95-3	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		06/08/18 18:06	75-71-8	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		06/08/18 18:06	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 18:06	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		06/08/18 18:06	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		06/08/18 18:06	98-82-8	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		06/08/18 18:06	1634-04-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 55929.005 WRR-GW
Pace Project No.: 40170432

Sample: GP-90D **Lab ID: 40170432009** Collected: 06/06/18 14:45 Received: 06/07/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		06/08/18 18:06	75-09-2	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		06/08/18 18:06	91-20-3	
Styrene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 18:06	100-42-5	
Tetrachloroethene	**23.3**	ug/L	1.0	0.50	1		06/08/18 18:06	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 18:06	108-88-3	
Trichloroethene	**0.36J**	ug/L	1.0	0.33	1		06/08/18 18:06	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		06/08/18 18:06	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		06/08/18 18:06	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		06/08/18 18:06	1330-20-7	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/08/18 18:06	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 18:06	10061-01-5	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		06/08/18 18:06	179601-23-1	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 18:06	104-51-8	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 18:06	103-65-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 18:06	95-47-6	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 18:06	99-87-6	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		06/08/18 18:06	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		06/08/18 18:06	98-06-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/08/18 18:06	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		06/08/18 18:06	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	122	%	70-130		1		06/08/18 18:06	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		06/08/18 18:06	2037-26-5	
4-Bromofluorobenzene (S)	89	%	70-130		1		06/08/18 18:06	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 55929.005 WRR-GW
Pace Project No.: 40170432

Sample: TRIP BLANK **Lab ID: 40170432010** Collected: 06/06/18 00:00 Received: 06/07/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		06/08/18 14:51	630-20-6	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:51	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		06/08/18 14:51	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		06/08/18 14:51	79-00-5	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/08/18 14:51	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		06/08/18 14:51	75-35-4	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		06/08/18 14:51	563-58-6	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		06/08/18 14:51	87-61-6	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:51	96-18-4	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		06/08/18 14:51	120-82-1	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:51	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		06/08/18 14:51	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		06/08/18 14:51	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:51	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		06/08/18 14:51	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		06/08/18 14:51	78-87-5	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:51	108-67-8	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:51	541-73-1	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:51	142-28-9	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:51	106-46-7	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		06/08/18 14:51	594-20-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		06/08/18 14:51	78-93-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:51	95-49-8	
2-Propanol	**<24.3**	ug/L	250	24.3	1		06/08/18 14:51	67-63-0	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		06/08/18 14:51	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		06/08/18 14:51	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		06/08/18 14:51	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:51	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		06/08/18 14:51	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		06/08/18 14:51	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:51	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:51	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		06/08/18 14:51	74-83-9	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:51	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:51	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		06/08/18 14:51	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		06/08/18 14:51	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:51	74-87-3	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:51	124-48-1	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		06/08/18 14:51	74-95-3	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		06/08/18 14:51	75-71-8	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:51	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:51	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		06/08/18 14:51	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		06/08/18 14:51	98-82-8	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		06/08/18 14:51	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 55929.005 WRR-GW
Pace Project No.: 40170432

Sample: TRIP BLANK **Lab ID: 40170432010** Collected: 06/06/18 00:00 Received: 06/07/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		06/08/18 14:51	75-09-2	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		06/08/18 14:51	91-20-3	
Styrene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:51	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:51	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:51	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		06/08/18 14:51	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		06/08/18 14:51	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		06/08/18 14:51	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		06/08/18 14:51	1330-20-7	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/08/18 14:51	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:51	10061-01-5	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		06/08/18 14:51	179601-23-1	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:51	104-51-8	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:51	103-65-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:51	95-47-6	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		06/08/18 14:51	99-87-6	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		06/08/18 14:51	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		06/08/18 14:51	98-06-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/08/18 14:51	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		06/08/18 14:51	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	116	%	70-130		1		06/08/18 14:51	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		06/08/18 14:51	2037-26-5	
4-Bromofluorobenzene (S)	88	%	70-130		1		06/08/18 14:51	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 55929.005 WRR-GW
Pace Project No.: 40170432

QC Batch: 291361 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Oxygenates
Associated Lab Samples: 40170432001, 40170432002, 40170432003, 40170432004, 40170432005, 40170432006, 40170432007, 40170432008, 40170432009, 40170432010

METHOD BLANK: 1703724 Matrix: Water
Associated Lab Samples: 40170432001, 40170432002, 40170432003, 40170432004, 40170432005, 40170432006, 40170432007, 40170432008, 40170432009, 40170432010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	06/08/18 10:11	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	06/08/18 10:11	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	06/08/18 10:11	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	06/08/18 10:11	
1,1-Dichloroethane	ug/L	<0.24	1.0	06/08/18 10:11	
1,1-Dichloroethene	ug/L	<0.41	1.0	06/08/18 10:11	
1,1-Dichloropropene	ug/L	<0.44	1.0	06/08/18 10:11	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	06/08/18 10:11	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	06/08/18 10:11	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	06/08/18 10:11	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	06/08/18 10:11	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	06/08/18 10:11	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	06/08/18 10:11	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	06/08/18 10:11	
1,2-Dichloroethane	ug/L	<0.17	1.0	06/08/18 10:11	
1,2-Dichloropropane	ug/L	<0.23	1.0	06/08/18 10:11	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	06/08/18 10:11	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	06/08/18 10:11	
1,3-Dichloropropane	ug/L	<0.50	1.0	06/08/18 10:11	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	06/08/18 10:11	
2,2-Dichloropropane	ug/L	<0.48	1.0	06/08/18 10:11	
2-Butanone (MEK)	ug/L	<3.0	20.0	06/08/18 10:11	
2-Chlorotoluene	ug/L	<0.50	1.0	06/08/18 10:11	
2-Propanol	ug/L	<24.3	250	06/08/18 10:11	
4-Chlorotoluene	ug/L	<0.21	1.0	06/08/18 10:11	
4-Methyl-2-pentanone (MIBK)	ug/L	<2.1	5.0	06/08/18 10:11	
Acetone	ug/L	<3.0	20.0	06/08/18 10:11	
Benzene	ug/L	<0.50	1.0	06/08/18 10:11	
Bromobenzene	ug/L	<0.23	1.0	06/08/18 10:11	
Bromochloromethane	ug/L	<0.34	1.0	06/08/18 10:11	
Bromodichloromethane	ug/L	<0.50	1.0	06/08/18 10:11	
Bromoform	ug/L	<0.50	1.0	06/08/18 10:11	
Bromomethane	ug/L	<2.4	5.0	06/08/18 10:11	
Carbon tetrachloride	ug/L	<0.50	1.0	06/08/18 10:11	
Chlorobenzene	ug/L	<0.50	1.0	06/08/18 10:11	
Chloroethane	ug/L	<0.37	1.0	06/08/18 10:11	
Chloroform	ug/L	<2.5	5.0	06/08/18 10:11	
Chloromethane	ug/L	<0.50	1.0	06/08/18 10:11	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	06/08/18 10:11	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	06/08/18 10:11	

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: 55929.005 WRR-GW
Pace Project No.: 40170432

METHOD BLANK: 1703724 Matrix: Water

Associated Lab Samples: 40170432001, 40170432002, 40170432003, 40170432004, 40170432005, 40170432006, 40170432007, 40170432008, 40170432009, 40170432010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	<0.50	1.0	06/08/18 10:11	
Dibromomethane	ug/L	<0.43	1.0	06/08/18 10:11	
Dichlorodifluoromethane	ug/L	<0.22	1.0	06/08/18 10:11	
Diisopropyl ether	ug/L	<0.50	1.0	06/08/18 10:11	
Ethylbenzene	ug/L	<0.50	1.0	06/08/18 10:11	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	06/08/18 10:11	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	06/08/18 10:11	
m&p-Xylene	ug/L	<1.0	2.0	06/08/18 10:11	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	06/08/18 10:11	
Methylene Chloride	ug/L	<0.23	1.0	06/08/18 10:11	
n-Butylbenzene	ug/L	<0.50	1.0	06/08/18 10:11	
n-Propylbenzene	ug/L	<0.50	1.0	06/08/18 10:11	
Naphthalene	ug/L	<2.5	5.0	06/08/18 10:11	
o-Xylene	ug/L	<0.50	1.0	06/08/18 10:11	
p-Isopropyltoluene	ug/L	<0.50	1.0	06/08/18 10:11	
sec-Butylbenzene	ug/L	<2.2	5.0	06/08/18 10:11	
Styrene	ug/L	<0.50	1.0	06/08/18 10:11	
tert-Butylbenzene	ug/L	<0.18	1.0	06/08/18 10:11	
Tetrachloroethene	ug/L	<0.50	1.0	06/08/18 10:11	
Toluene	ug/L	<0.50	1.0	06/08/18 10:11	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	06/08/18 10:11	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	06/08/18 10:11	
Trichloroethene	ug/L	<0.33	1.0	06/08/18 10:11	
Trichlorofluoromethane	ug/L	<0.18	1.0	06/08/18 10:11	
Vinyl chloride	ug/L	<0.18	1.0	06/08/18 10:11	
Xylene (Total)	ug/L	<1.5	3.0	06/08/18 10:11	
4-Bromofluorobenzene (S)	%	96	70-130	06/08/18 10:11	
Dibromofluoromethane (S)	%	111	70-130	06/08/18 10:11	
Toluene-d8 (S)	%	99	70-130	06/08/18 10:11	

LABORATORY CONTROL SAMPLE: 1703725

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.5	113	70-133	
1,1,2,2-Tetrachloroethane	ug/L	50	51.0	102	67-130	
1,1,2-Trichloroethane	ug/L	50	49.9	100	70-130	
1,1-Dichloroethane	ug/L	50	58.5	117	70-134	
1,1-Dichloroethene	ug/L	50	49.5	99	75-132	
1,2,4-Trichlorobenzene	ug/L	50	47.4	95	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	51.8	104	60-126	
1,2-Dibromoethane (EDB)	ug/L	50	50.4	101	70-130	
1,2-Dichlorobenzene	ug/L	50	50.9	102	70-130	
1,2-Dichloroethane	ug/L	50	53.7	107	73-134	

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: 55929.005 WRR-GW
Pace Project No.: 40170432

LABORATORY CONTROL SAMPLE: 1703725

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/L	50	53.9	108	79-128	
1,3-Dichlorobenzene	ug/L	50	49.7	99	70-130	
1,4-Dichlorobenzene	ug/L	50	52.4	105	70-130	
Benzene	ug/L	50	50.0	100	69-137	
Bromodichloromethane	ug/L	50	59.0	118	70-130	
Bromoform	ug/L	50	47.4	95	64-133	
Bromomethane	ug/L	50	19.1	38	29-123	
Carbon tetrachloride	ug/L	50	59.1	118	73-142	
Chlorobenzene	ug/L	50	51.8	104	70-130	
Chloroethane	ug/L	50	43.7	87	59-133	
Chloroform	ug/L	50	53.9	108	80-129	
Chloromethane	ug/L	50	21.6	43	27-125	
cis-1,2-Dichloroethene	ug/L	50	48.5	97	70-134	
cis-1,3-Dichloropropene	ug/L	50	43.7	87	70-130	
Dibromochloromethane	ug/L	50	54.0	108	70-130	
Dichlorodifluoromethane	ug/L	50	32.1	64	12-127	
Ethylbenzene	ug/L	50	54.4	109	86-127	
Isopropylbenzene (Cumene)	ug/L	50	55.4	111	70-130	
m&p-Xylene	ug/L	100	111	111	70-131	
Methyl-tert-butyl ether	ug/L	50	48.0	96	65-136	
Methylene Chloride	ug/L	50	53.8	108	72-133	
o-Xylene	ug/L	50	56.2	112	70-130	
Styrene	ug/L	50	55.4	111	70-130	
Tetrachloroethene	ug/L	50	49.3	99	70-130	
Toluene	ug/L	50	50.3	101	84-124	
trans-1,2-Dichloroethene	ug/L	50	61.9	124	70-133	
trans-1,3-Dichloropropene	ug/L	50	37.1	74	67-130	
Trichloroethene	ug/L	50	55.4	111	70-130	
Trichlorofluoromethane	ug/L	50	54.4	109	69-147	
Vinyl chloride	ug/L	50	35.2	70	48-134	
Xylene (Total)	ug/L	150	168	112	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			101	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: 55929.005 WRR-GW
Pace Project No.: 40170432

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

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

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 55929.005 WRR-GW
Pace Project No.: 40170432

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40170432001	**SVE-4**	EPA 8260	291361		
40170432002	**GP-86**	EPA 8260	291361		
40170432003	**GP-87S**	EPA 8260	291361		
40170432004	**GP-87D**	EPA 8260	291361		
40170432005	**GP-88S**	EPA 8260	291361		
40170432006	**GP-88D**	EPA 8260	291361		
40170432007	**GP-89**	EPA 8260	291361		
40170432008	**GP-90S**	EPA 8260	291361		
40170432009	**GP-90D**	EPA 8260	291361		
40170432010	**TRIP BLANK**	EPA 8260	291361		

Pace Analytical®
www.pacelabs.com

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

40170432

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

(Please Print Clearly)	
Company Name:	Gannett Fleming
Branch/Location:	Madison, WI
Project Contact:	Anthony Miller
Phone:	608-836-1500
Project Number:	55929.005
Project Name:	WRR - GW
Project State:	WI
Sampled By (Print):	Chelsea Payne
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Anthony Miller
Mail To Company:	Gannett Fleming
Mail To Address:	8025 Excelsior Dr Madison, WI 53717
Invoice To Contact:	
Invoice To Company:	See mail to
Invoice To Address:	
Invoice To Phone:	608-836-1500

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: VOC 8260	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	SVE-4	6.5.18	8:05	GW	N	B	3			
002	GP-86		9:50							
003	GP-87 S		12:30							
004	GP-87 D	6.5.18	12:45							
005	GP-88 S	6.6.18	10:30							
006	GP-88 D	"	9:25							
007	GP-89	"	8:30							
008	GP-90 S		15:15							
009	GP-90 D		14:45							
010	Trip Blank	6.6.18					2			

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:
	6.6.18 17:00		
Fed Ex	6/7/18 0920		6/7/18 0920

PACE Project No.: 40170432
Receipt Temp = 4.0 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present
Intact / Not Intact

C019a(27Jun2006)

Version 6.0 06/14/06

ORIGINAL

Client Name: Gannett Fleming

Sample Preservation Receipt Form

Project # 40170432

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

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	BP3C	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																		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																		1															2.5 / 5 / 10
011																																	2.5 / 5 / 10
012																																	2.5 / 5 / 10
013																																	2.5 / 5 / 10
014																																	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																																	2.5 / 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	BP3C	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: Gannett Fleming

Project #: WO#: 40170432

40170432

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

Tracking #: 8107 1982 1570

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: ROI /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: 6/7/18
Initials: SSM

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☒No ☐N/A	2. No PO #, Quote #, profile # SSM 6/7/18
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: For Analysis: ☒Yes ☐No MS/MSD: ☐Yes ☒No ☐N/A		8.
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. 008 - Vial not labeled SSM 6/7/18
Trip Blank Present:	☒Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☒Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 402		

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

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: RMR for DM **Date:** 6/7/18