

June 17, 2019

Ms. Jennifer Borski Hydrogeologist Remediation & Redevelopment Program Wisconsin Dept. of Natural Resources 625 E. Cty. Road Y, Ste. 700 Oshkosh, WI 54901

Subject: Transmittal of April 2019 Monitoring Well Sampling Results We Energies' Appleton MGP Site, FID #445033380, BRRTS #02-45-000042

Dear Ms. Borski:

We Energies recently received final analytical results for monitoring wells and piezometers for our April 2019 semi-annual sampling event on the Fox River Mills Apartments property, located adjacent to the above referenced site. A copy of the notification to the property owner and associated summary report are attached.

Please do not hesitate to contact me at (414) 221-2156 or via email at frank.dombrowski@wecenergygroup.com if you have any questions or if further information may be required.

Sincerely,

Frank Dombrowski

Principal Environmental Consultant WEC Energy Group- Business Services

Environmental Dept.

Enclosure

Cc: Project File

B. Hennings, OBG, Part of Ramboll



June 17, 2019

Mr. Dean Bornemann Area Manager Oakbrook Corp. 111 E Water St., #300 Appleton, WI 54911

Subject: April 2019 Groundwater Sampling Results for Fox River Mills Properties

Dear Mr. Bornemann,

We Energies recently completed groundwater sampling at your proper as part of routine semi-annual monitoring for the former manufactured gas plant (MGP) site located at 337 Water Street in Appleton, Wisconsin (Figure 1) summarizes routine groundwater sampling activities that occurred in April 2019 located on the property occupied by the Fox River Mills Apartments (Figure 1 in the attached report).

Two wells (PZ-26 and PZ-28) contained evidence of free product (oily material) at thicknesses comparable to previous monitoring events. Due to small amount of material present, no attempt was made to recover free product during this sampling event and free product was not observed in other wells. Consistent with previous samples collected from the existing wells, presence of volatile organic compounds (VOCs), naphthalene, and metals in groundwater were present above the Wisconsin Department of Natural Resources (WDNR) Enforcement Standards (ES) and/or the WDNR preventative action limit (PAL).

The laboratory report containing groundwater results is included in Attachment A and the results are summarized in Table 1. There are no indications that the observed groundwater impacts are a recent occurrence or pose an immediate risk to the health of the occupants in the apartment building. However, the presence of free product will warrant further investigation and we plan to continue quarterly monitoring activities on your property consistent with the WDNR-approved Supplemental Site Investigation Plan and the access agreement.

We Energies appreciates your ongoing cooperation and assistance with this matter. Please feel free to contact me at your convenience at (414) 221-2156 or via email at frank.dombrowski@wecenergygroup.com with any questions or if further information may be needed.

Sincerely

Frank Dombrowski

Principal Environmental Consultant WEC Energy Group- Business Services

Environmental Dept.

Enclosures

Cc:

Project File

J. Borski, WDNR

B. Hennings, OBG, Part of Ramboll Janet Smith, Heartland Properties, Inc.



June 18, 2019

Mr. Frank Dombrowski
Principal Environmental Consultant
WEC Business Services, LLC
333 W. Everett Street, A231
Milwaukee, WI 53203
(via email)

RE: April 2019 Sample Results Notification

Groundwater results collected in April 2019 Appleton City (Coal Tar), aka Appleton MGP 337 Water Street, Appleton, Wisconsin WDNR ERP Case #02-45-000042 FID #445033380

Dear Mr. Dombrowski:

This sample results notification letter for the Appleton City former manufactured gas plant (MGP) site located at 337 Water Street in Appleton, Wisconsin (Figure 1) summarizes routine groundwater sampling activities that occurred in April 2019 located on the property occupied by the Fox River Mills Apartments (Figure 1). Free product (oily material) was measured in PZ-26 and PZ-28. Groundwater samples were collected from monitoring wells and piezometers PZ-23, MW-26, MW-27, PZ-27, and MW-28 in accordance with the groundwater monitoring plan.

Groundwater monitoring wells PZ-23, PZ-26, PZ-27, and PZ-28 are screened within the shallow bedrock approximately 20 to 25 feet below ground surface. Consistent with previous monitoring events, free product was observed in PZ-26 and PZ-28 (1.45 and 1.05 feet, respectively). Free product was not observed in any of the other wells. No attempt was made to recover free product during this sampling event. Groundwater analytical results (Table 1) collected from the remaining shallow bedrock wells are consistent with previous samples collected from these wells which indicate benzene, naphthalene, and iron in excess of the Wisconsin Department of Natural Resources (WDNR) enforcement standards (ES) in groundwater and arsenic in excess of the WDNR preventative action limit (PAL).

Groundwater monitoring wells MW-26, MW-27, and MW-28 are screened within the unlithified material above bedrock approximately 5 to 15 feet below ground surface. No free product was observed in any of these wells. Groundwater analytical results indicate the presence of benzene, naphthalene, arsenic, and iron in excess of the WDNR ES in groundwater.

The laboratory report containing groundwater results is included in Attachment A, and the results are summarized in Table 1. There are no indications that the observed groundwater impacts (or the presence of free product in wells with previous groundwater exceedances) are a recent occurrence or pose an immediate risk to the health of the occupants in the apartment building.







Very truly yours, OBG, PART OF RAMBOLL

Brian G. Hennings, PG Managing Hydrogeologist

Attachments:

Figure 1

Site Features

Table 1

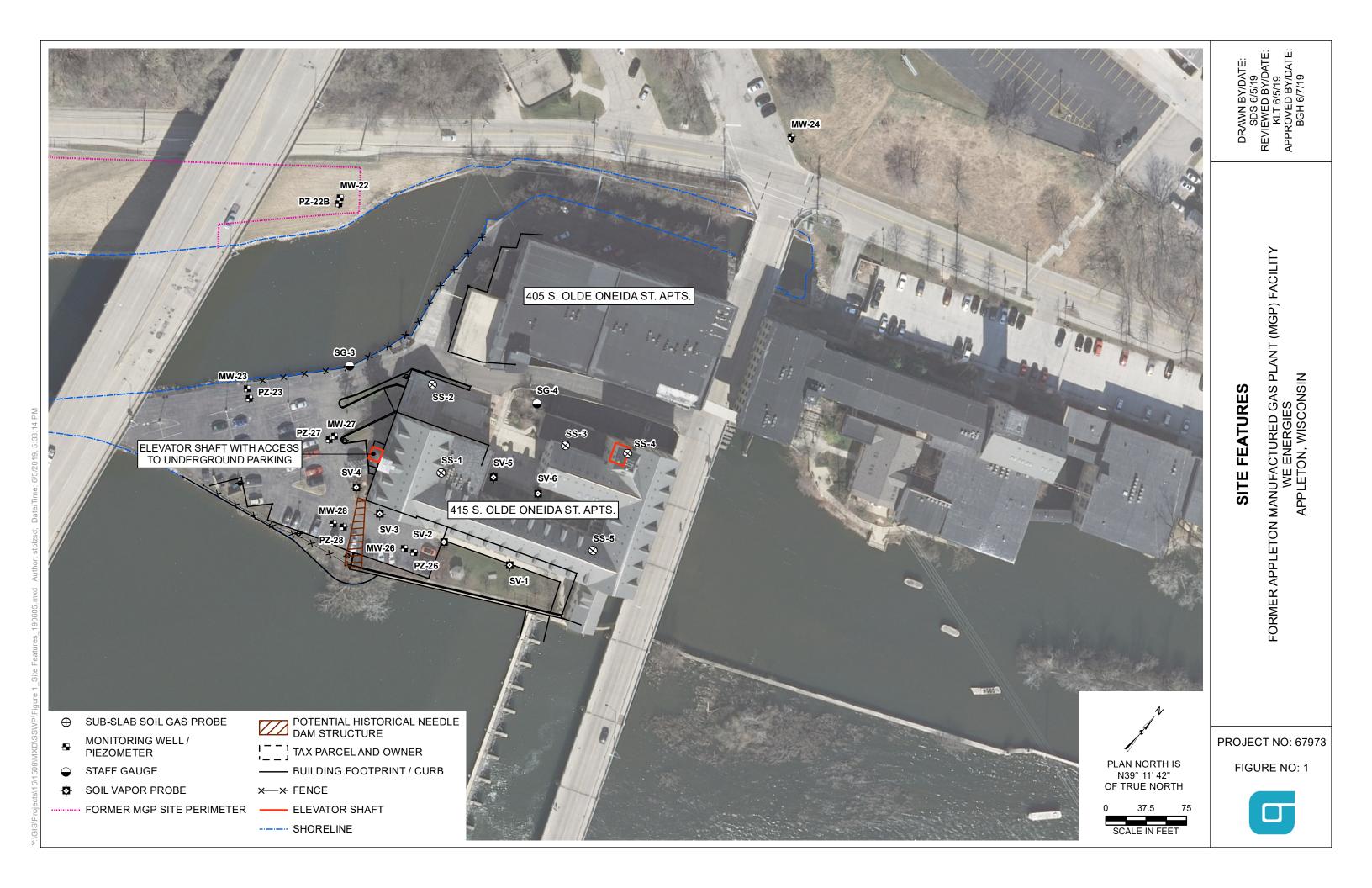
Summary of Groundwater Results - Heartland-Appleton Fox River Mills

Attachment A Laboratory Report

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Figures

OBG





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Table 1. Summary of Groundwater Results - Heartland-Appleton Fox River Mills

April 2019 Sample Results Notification
We Energies, Appleton City (Coal Tar), aka Appleton MGP
WDNR ERP Case #02-45-000042
FID #445033380

					VOC							MNA			
Sample Location	Sample Date	Benzene	Ethylbenzene	Naphthalene	Toluene	Xylenes, m + p	Xylene, o	Total Xylenes ¹	Alkalinity, Total as CaCO3	Arsenic, Dissolved	Iron, Dissolved	Manganese, Dissolved	Methane	Nitrogen, NO2 plus NO3	Sulfate
	Reporting Units:	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	mg/L	μg/L	μg/L	μg/L	μg/L	mg/L	mg/L
	Wisconsin PAL:	0.5	<u>140</u>	<u>10</u>	<u>160</u>	<u>NS</u>	<u>NS</u>	<u>400</u>	<u>NS</u>	<u>1</u>	<u>150</u>	<u>60</u>	<u>NS</u>	<u>2</u>	<u>125</u>
	Wisconsin ES:	5	700	100	800	NS	NS	2,000	NS	10	300	300	NS	10	250
MW-26	04/22/2019	<u>26.1</u>	<0.22 U	28.0	<0.17 U	0.91 J	1.5	2.41	362	<u>86.1</u>	1,920	<u>254</u>	6,420	<0.095	13.4
MW-27	04/22/2019	<u>258</u>	43.3	<u>339</u>	2.1 J	5.2 J	6.9	12.1	211	4.1	<u>251 J</u>	<u>78.9</u>	3,280	0.17 J	7.4
MW-28	04/22/2019	<0.25 U	<0.22 U	<1.2 U	<0.17 U	<0.47 U	<0.26 U	<0.73 U	244	12.8	118 J	<u>324</u>	3,790	0.40	36.7
PZ-23	04/22/2019	<u>459</u>	41.4	432	2.3 J	5.6 J	8.1 J	13.7	230	4.9	<u>297 J</u>	<u>63.5</u>	2,120	<0.095	1.4 J
PZ-23 DUP01	04/22/2019	<u>521</u>	47.7	<u>529</u>	2.5 J	6.4	9.4	15.8	224	<u>5.2</u>	<u>322 J</u>	<u>66.5</u>	5,670	<0.095	1.8 J
PZ-27	04/22/2019	<u>315</u>	33.6	<u>435</u>	2.2 J	5.7 J	9.3	15.0	221	<u>2.7</u>	<u>898</u>	<u>93.9</u>	4,670	<0.095	1.0 J

[O:ECK 6/3/19][C:MGP 6/3/19, QA: KLT 6/6/19]

NOTES:

Underline value exceeds the Preventative Action Limit

BOLD Value exceeds the Enforcement Standard

< = Concentration is less than reported limit

μg/L = micrograms per liter

DUP = Quality Control Field Duplicate Sample

ES = Enforcement Standard

J = Estimated concentration

mg/L = milligrams per liter

MGP = manufactured gas plant

MNA = Monitored Natural Attenuation

NS = No Standard

OBG = O'Brien & Gere Engineers, Inc.

PAL = Preventive Action Limit

PAL and ES from WI Administrative Code NR 140 groundwater quality standard revised effective February 2017.

U = Parameter not detected above the Limit of Detection indicated

VOC = Volatile Organic Compound

Lab comments and definitions can be found in associated laboratory reports.

- 1. Total Xylenes were calculated by OBG, Part of Ramboll, as follows:
 - a. Where no detections were observed, the sum of the reporting limits is presented.
 - b. Where detections were observed, the detected results were added together for the total summation.
 - c. Analytes used for the calculation are Xylene-o and Xylenes-m+p.



Attachment A Laboratory Report

OBG





May 07, 2019

Frank Dombrowski WE Energies 333 W. Everett St Milwaukee, WI 53203

RE: Project: 67973 APPLETON FORMER MGP

Pace Project No.: 40186309

Dear Frank Dombrowski:

Enclosed are the analytical results for sample(s) received by the laboratory on April 23, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Brian Basten

brian.basten@pacelabs.com

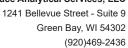
(920)469-2436 Project Manager

Enclosures

cc: Alex Bartelme, OBG Brian Hennings, OBG

WE Energies Lab Reports, WE Energies







CERTIFICATIONS

Project: 67973 APPLETON FORMER MGP

Pace Project No.: 40186309

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



SAMPLE SUMMARY

Project: 67973 APPLETON FORMER MGP

Pace Project No.: 40186309

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40186309001	MW-26	Water	04/22/19 11:19	04/23/19 15:35
40186309002	MW-28	Water	04/22/19 12:03	04/23/19 15:35
40186309003	PZ-27	Water	04/22/19 12:47	04/23/19 15:35
40186309004	MW-27	Water	04/22/19 13:29	04/23/19 15:35
40186309005	PZ-23	Water	04/22/19 14:11	04/23/19 15:35
40186309006	DUP01	Water	04/22/19 14:16	04/23/19 15:35

^{**}Sample results redacted due to sample results corresponding to a separate property.**



SAMPLE ANALYTE COUNT

Project: 67973 APPLETON FORMER MGP

Pace Project No.: 40186309

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40186309001	MW-26	EPA 8015B Modified	ALD	1
		EPA 6020	DS1	3
		EPA 8260	LAP	9
		EPA 300.0	НМВ	1
		EPA 310.2	DAW	1
		EPA 353.2	DAW	1
40186309002	MW-28	EPA 8015B Modified	ALD	1
		EPA 6020	DS1	3
		EPA 8260	LAP	9
		EPA 300.0	HMB	1
		EPA 310.2	DAW	1
		EPA 353.2	DAW	1
40186309003	PZ-27	EPA 8015B Modified	ALD	1
		EPA 6020	DS1	3
		EPA 8260	LAP	9
		EPA 300.0	HMB	1
		EPA 310.2	DAW	1
		EPA 353.2	DAW	1
40186309004	MW-27	EPA 8015B Modified	ALD	1
		EPA 6020	DS1	3
		EPA 8260	LAP	9
		EPA 300.0	HMB	1
		EPA 310.2	DAW	1
		EPA 353.2	DAW	1
40186309005	PZ-23	EPA 8015B Modified	ALD	1
		EPA 6020	DS1	3
		EPA 8260	LAP	9
		EPA 300.0	HMB	1
		EPA 310.2	DAW	1
		EPA 353.2	DAW	1
40186309006	DUP01	EPA 8015B Modified	ALD	1
		EPA 6020	DS1	3
		EPA 8260	LAP	9
		EPA 300.0	HMB	1
		EPA 310.2	DAW	1
		EPA 353.2	DAW	1





SAMPLE ANALYTE COUNT

Project: 67973 APPLETON FORMER MGP

Pace Project No.: 40186309

Lab ID Sample ID Method Analysts Reported

^{**}Sample results redacted due to sample results corresponding to a separate property.**





SAMPLE ANALYTE COUNT

Project: 67973 APPLETON FORMER MGP

Pace Project No.: 40186309

Lab ID Sample ID Method Analysts Reported

^{**}Sample results redacted due to sample results corresponding to a separate property.**



Project: 67973 APPLETON FORMER MGP

Pace Project No.: 40186309

Date: 05/07/2019 07:25 AM

Sample: MW-26	Lab ID:	40186309001	Collected	04/22/19	11:19	Received: 04/	23/19 15:35 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical	Method: EPA 8	015B Modifie	ed					
Methane	6420	ug/L	140	68.5	50		04/24/19 12:51	74-82-8	
6020 MET ICPMS, Dissolved	Analytical	Method: EPA 6	020 Prepara	ation Metho	od: EPA	3010			
Arsenic, Dissolved	86.1	ug/L	1.0	0.28	1	04/25/19 07:02	04/30/19 14:04	7440-38-2	
Iron, Dissolved	1920	ug/L	368	111	1	04/25/19 07:02	04/30/19 14:04	7439-89-6	
Manganese, Dissolved	254	ug/L	9.0	2.7	1	04/25/19 07:02	04/30/19 14:04	7439-96-5	
8260 MSV UST	Analytical	Method: EPA 8	260						
Benzene	26.1	ug/L	1.0	0.25	1		04/25/19 12:33	71-43-2	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/25/19 12:33	100-41-4	
Naphthalene	28.0	ug/L	5.0	1.2	1		04/25/19 12:33		
Toluene	<0.17	ug/L	5.0	0.17	1		04/25/19 12:33		
m&p-Xylene	0.91J	ug/L	2.0	0.47	1		04/25/19 12:33		
o-Xylene	1.5	ug/L	1.0	0.26	1		04/25/19 12:33	95-47-6	
Surrogates Dibromofluoromethane (S)	121	%	70-130		1		04/25/19 12:33	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		04/25/19 12:33		
4-Bromofluorobenzene (S)	91	%	70-130		1		04/25/19 12:33		
300.0 IC Anions 28 Days		Method: EPA 3							
Sulfate	13.4	mg/L	3.0	1.0	1		04/30/19 02:28	14808-79-8	
310.2 Alkalinity		Method: EPA 3							
Alkalinity, Total as CaCO3	362	mg/L	47.0	14.1	2		05/02/19 11:08		
•				14.1	2		03/02/19 11:00		
353.2 Nitrogen, NO2/NO3 pres.	•	Method: EPA 3							
Nitrogen, NO2 plus NO3	<0.095	mg/L	0.25	0.095	1		05/01/19 11:47		
Sample: MW-28	Lab ID:	40186309002	Collected	04/22/19	12:03	Received: 04/	23/19 15:35 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical	Method: EPA 8	015B Modifie	ed					
Methane	3790	ug/L	70.0	34.2	25		04/24/19 13:12	74-82-8	
6020 MET ICPMS, Dissolved	Analytical	Method: EPA 6	020 Prepara	ation Metho	od: EPA	3010			
Arsenic, Dissolved	12.8	ug/L	1.0	0.28	1		04/30/19 14:17	7440-39 2	
Iron, Dissolved	12.8 118J	ug/L ug/L	368	0.28 111	1		04/30/19 14:17		
Manganese, Dissolved	324	ug/L ug/L	9.0	2.7	1		04/30/19 14:17		
-		Ü		۷.۱	1	0 -1 120/1807.02	04/30/19 14.1/	1400-00-0	
8260 MSV UST	Analytical	Method: EPA 8	260						
Benzene	<0.25	ug/L	1.0	0.25	1		04/26/19 01:28	71_/13_2	
Delizerie	·0.20	49/L	1.0	0.20			04/20/13 01.20	11-45-2	



Project: 67973 APPLETON FORMER MGP

Pace Project No.: 40186309

Date: 05/07/2019 07:25 AM

Sample: MW-28	Lab ID:	40186309002	Collected:	04/22/19	9 12:03	Received: 04/	23/19 15:35 M	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical I	Method: EPA 8	260						
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/26/19 01:28	91-20-3	
Toluene	<0.17	ug/L	5.0	0.17	1		04/26/19 01:28	108-88-3	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/26/19 01:28	179601-23-1	
o-Xylene Surrogates	<0.26	ug/L	1.0	0.26	1		04/26/19 01:28	95-47-6	
Dibromofluoromethane (S)	113	%	70-130		1		04/26/19 01:28	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		04/26/19 01:28	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		1		04/26/19 01:28	460-00-4	
300.0 IC Anions 28 Days	Analytical I	Method: EPA 3	0.00						
Sulfate	36.7	mg/L	3.0	1.0	1		04/30/19 03:25	14808-79-8	
310.2 Alkalinity	Analytical I	Method: EPA 3	10.2						
Alkalinity, Total as CaCO3	244	mg/L	47.0	14.1	2		05/02/19 11:08		
353.2 Nitrogen, NO2/NO3 pres.	Analytical I	Method: EPA 3	53.2						
Nitrogen, NO2 plus NO3	0.40	mg/L	0.25	0.095	1		05/01/19 11:49		
Sample: PZ-27	Lab ID:	40186309003	Collected:	04/22/19	9 12:47	Received: 04/	23/19 15:35 M	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical I	Method: EPA 8	015B Modifie	ed					
Methane	•								
	4670	ug/L	112	54.8	40		04/24/19 13:19	74-82-8	
6020 MET ICPMS, Dissolved		ug/L Method: EPA 6		54.8		3010	04/24/19 13:19	74-82-8	
·		Method: EPA 6		54.8		3010 04/25/19 07:02			
Arsenic, Dissolved	Analytical I	Method: EPA 6	020 Prepara 1.0	54.8 ation Meth 0.28	od: EPA	04/25/19 07:02	04/30/19 14:24	7440-38-2	
Arsenic, Dissolved Iron, Dissolved	Analytical I	Method: EPA 6	020 Prepara	54.8 ation Meth	od: EPA	04/25/19 07:02 04/25/19 07:02		7440-38-2 7439-89-6	
Arsenic, Dissolved Iron, Dissolved Manganese, Dissolved	Analytical I 2.7 898 93.9	Method: EPA 6 ug/L ug/L	020 Prepara 1.0 368 9.0	54.8 ation Meth 0.28 111	od: EPA 1 1	04/25/19 07:02 04/25/19 07:02	04/30/19 14:24 04/30/19 14:24	7440-38-2 7439-89-6	
Arsenic, Dissolved Iron, Dissolved Manganese, Dissolved 8260 MSV UST	Analytical I 2.7 898 93.9	ug/L ug/L ug/L ug/L	020 Prepara 1.0 368 9.0	54.8 ation Meth 0.28 111	od: EPA 1 1	04/25/19 07:02 04/25/19 07:02	04/30/19 14:24 04/30/19 14:24	7440-38-2 7439-89-6 7439-96-5	
Arsenic, Dissolved Iron, Dissolved Manganese, Dissolved 8260 MSV UST Benzene	Analytical I 2.7 898 93.9 Analytical I	Method: EPA 60 ug/L ug/L ug/L ug/L Method: EPA 8	1.0 368 9.0	54.8 ation Meth 0.28 111 2.7	od: EPA 1 1 1	04/25/19 07:02 04/25/19 07:02	04/30/19 14:24 04/30/19 14:24 04/30/19 14:24	7440-38-2 7439-89-6 7439-96-5 71-43-2	
Arsenic, Dissolved Iron, Dissolved Manganese, Dissolved 8260 MSV UST Benzene Ethylbenzene	Analytical I 2.7 898 93.9 Analytical I	ug/L ug/L ug/L ug/L ug/L Method: EPA 8:	1.0 368 9.0 260	54.8 ation Meth 0.28 111 2.7	od: EPA 1 1 1	04/25/19 07:02 04/25/19 07:02	04/30/19 14:24 04/30/19 14:24 04/30/19 14:24 04/25/19 10:18	7440-38-2 7439-89-6 7439-96-5 71-43-2 100-41-4	
Arsenic, Dissolved Iron, Dissolved Manganese, Dissolved 8260 MSV UST Benzene Ethylbenzene Naphthalene	Analytical I 2.7 898 93.9 Analytical I 315 33.6	ug/L ug/L ug/L ug/L Method: EPA 8: ug/L ug/L	1.0 368 9.0 260 5.0 5.0	54.8 ation Methodology 0.28 111 2.7 1.2 1.1	od: EPA 1 1 1 5 5	04/25/19 07:02 04/25/19 07:02	04/30/19 14:24 04/30/19 14:24 04/30/19 14:24 04/25/19 10:18 04/25/19 10:18	7440-38-2 7439-89-6 7439-96-5 71-43-2 100-41-4 91-20-3	
Arsenic, Dissolved Iron, Dissolved Manganese, Dissolved 8260 MSV UST Benzene Ethylbenzene Naphthalene Toluene	Analytical I 2.7 898 93.9 Analytical I 315 33.6 435	ug/L ug/L ug/L ug/L Method: EPA 8: ug/L ug/L ug/L	1.0 368 9.0 260 5.0 5.0 25.0	54.8 ation Methodology 0.28 111 2.7 1.2 1.1 5.9	od: EPA 1 1 1 5 5 5	04/25/19 07:02 04/25/19 07:02	04/30/19 14:24 04/30/19 14:24 04/30/19 14:24 04/25/19 10:18 04/25/19 10:18 04/25/19 10:18	7440-38-2 7439-89-6 7439-96-5 71-43-2 100-41-4 91-20-3 108-88-3	
Arsenic, Dissolved Iron, Dissolved Manganese, Dissolved 8260 MSV UST Benzene Ethylbenzene Naphthalene Toluene m&p-Xylene o-Xylene	Analytical I 2.7 898 93.9 Analytical I 315 33.6 435 2.2J	ug/L ug/L ug/L ug/L Method: EPA 8: ug/L ug/L ug/L ug/L	1.0 368 9.0 260 5.0 5.0 25.0 25.0	54.8 ation Methodology 0.28 111 2.7 1.2 1.1 5.9 0.86	od: EPA 1 1 1 5 5 5 5	04/25/19 07:02 04/25/19 07:02	04/30/19 14:24 04/30/19 14:24 04/30/19 14:24 04/25/19 10:18 04/25/19 10:18 04/25/19 10:18 04/25/19 10:18	7440-38-2 7439-89-6 7439-96-5 71-43-2 100-41-4 91-20-3 108-88-3 179601-23-1	
Arsenic, Dissolved Iron, Dissolved Manganese, Dissolved 8260 MSV UST Benzene Ethylbenzene Naphthalene Toluene m&p-Xylene o-Xylene Surrogates	Analytical I 2.7 898 93.9 Analytical I 315 33.6 435 2.2J 5.7J 9.3	ug/L ug/L ug/L Ug/L Method: EPA 8: ug/L ug/L ug/L ug/L ug/L ug/L	1.0 368 9.0 260 5.0 5.0 25.0 25.0 10.0 5.0	54.8 ation Methodology 0.28 111 2.7 1.2 1.1 5.9 0.86 2.3	od: EPA 1 1 1 5 5 5 5 5	04/25/19 07:02 04/25/19 07:02	04/30/19 14:24 04/30/19 14:24 04/30/19 14:24 04/25/19 10:18 04/25/19 10:18 04/25/19 10:18 04/25/19 10:18 04/25/19 10:18	7440-38-2 7439-89-6 7439-96-5 71-43-2 100-41-4 91-20-3 108-88-3 179601-23-1 95-47-6	
Arsenic, Dissolved Iron, Dissolved Iron, Dissolved Manganese, Dissolved 8260 MSV UST Benzene Ethylbenzene Naphthalene Toluene m&p-Xylene o-Xylene Surrogates Dibromofluoromethane (S) Toluene-d8 (S)	Analytical I 2.7 898 93.9 Analytical I 315 33.6 435 2.2J 5.7J	ug/L ug/L ug/L ug/L Method: EPA 8: ug/L ug/L ug/L ug/L ug/L	1.0 368 9.0 260 5.0 5.0 25.0 25.0 10.0	54.8 ation Methodology 0.28 111 2.7 1.2 1.1 5.9 0.86 2.3	od: EPA 1 1 1 5 5 5 5 5	04/25/19 07:02 04/25/19 07:02	04/30/19 14:24 04/30/19 14:24 04/30/19 14:24 04/25/19 10:18 04/25/19 10:18 04/25/19 10:18 04/25/19 10:18	7440-38-2 7439-89-6 7439-96-5 71-43-2 100-41-4 91-20-3 108-88-3 179601-23-1 95-47-6 1868-53-7	



Project: 67973 APPLETON FORMER MGP

Pace Project No.: 40186309

Date: 05/07/2019 07:25 AM

Sample: PZ-27	Lab ID:	40186309003	Collected	04/22/19	9 12:47	Received: 04/	/23/19 15:35 N	/latrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical N	Method: EPA 3	0.00						
Sulfate	1.0J	mg/L	3.0	1.0	1		04/30/19 03:4	0 14808-79-8	
310.2 Alkalinity	Analytical N	Method: EPA 3	10.2						
Alkalinity, Total as CaCO3	221	mg/L	47.0	14.1	2		05/02/19 11:11	1	
353.2 Nitrogen, NO2/NO3 pres.	Analytical N	Method: EPA 3	53.2						
Nitrogen, NO2 plus NO3	<0.095	mg/L	0.25	0.095	1		05/01/19 11:50)	
Sample: MW-27	Lab ID:	40186309004	Collected	04/22/19	9 13:29	Received: 04/	/23/19 15:35 N	Matrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical N	Method: EPA 8	015B Modifie	ed					
Methane	3280	ug/L	70.0	34.2	25		04/24/19 13:20	6 74-82-8	
6020 MET ICPMS, Dissolved	Analytical N	Method: EPA 6	020 Prepara	ation Meth	od: EPA	3010			
Arsenic, Dissolved	4.1	ug/L	1.0	0.28	1	04/25/19 07:02			
Iron, Dissolved	251J 78.9	ug/L	368 9.0	111 2.7	1 1	04/25/19 07:02 04/25/19 07:02	04/30/19 14:4		
Manganese, Dissolved 8260 MSV UST		ug/L Method: EPA 8		2.1	'	04/25/19 07.02	04/30/19 14.4	0 7439-90-3	
	-			4.0	_		04/05/40 40-4	4 74 40 0	
Benzene Ethylbenzene	258 43.3	ug/L ug/L	5.0 5.0	1.2 1.1	5 5		04/25/19 10:4 04/25/19 10:4		
Naphthalene	339	ug/L	25.0	5.9	5		04/25/19 10:4		
Toluene	2.1J	ug/L	25.0	0.86	5		04/25/19 10:4		
m&p-Xylene	5.2J	ug/L	10.0	2.3	5		04/25/19 10:4	1 179601-23-1	
o-Xylene	6.9	ug/L	5.0	1.3	5		04/25/19 10:4	1 95-47-6	
Surrogates Dibromofluoromethane (S)	113	%	70-130		5		04/25/19 10:4	1 1969 52 7	
Toluene-d8 (S)	101	%	70-130 70-130		5		04/25/19 10:4		
4-Bromofluorobenzene (S)	94	%	70-130		5		04/25/19 10:4		
300.0 IC Anions 28 Days	Analytical N	Method: EPA 3	00.0						
Sulfate	7.4	mg/L	3.0	1.0	1		04/30/19 03:5	4 14808-79-8	
310.2 Alkalinity	Analytical N	Method: EPA 3	10.2						
Alkalinity, Total as CaCO3	211	mg/L	47.0	14.1	2		05/02/19 11:11	1	
353.2 Nitrogen, NO2/NO3 pres.	Analytical N	Method: EPA 3	53.2						
Nitrogen, NO2 plus NO3	0.17J	mg/L	0.25	0.095	1		05/01/19 11:5	1	



Project: 67973 APPLETON FORMER MGP

Pace Project No.: 40186309

Date: 05/07/2019 07:25 AM

Sample: PZ-23	Lab ID:	40186309005	Collected:	: 04/22/19	14:11	Received: 04/	23/19 15:35 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical	Method: EPA 8	015B Modifie	ed					
Methane	2120	ug/L	70.0	34.2	25		05/01/19 14:13	74-82-8	
6020 MET ICPMS, Dissolved	Analytical	Method: EPA 6	020 Prepara	ation Metho	od: EPA	3010			
Arsenic, Dissolved	4.9	ug/L	1.0	0.28	1	04/25/19 07:02	04/30/19 14:51	7440-38-2	
Iron, Dissolved	297J	ug/L	368	111	1	04/25/19 07:02	04/30/19 14:51	7439-89-6	
Manganese, Dissolved	63.5	ug/L	9.0	2.7	1	04/25/19 07:02	04/30/19 14:51	7439-96-5	
8260 MSV UST	Analytical	Method: EPA 8	260						
Benzene	459	ug/L	10.0	2.5	10		04/25/19 11:03	71-43-2	
Ethylbenzene	41.4	ug/L	10.0	2.2	10		04/25/19 11:03		
Naphthalene	432	ug/L	50.0	11.8	10		04/25/19 11:03		
Toluene	2.3J	ug/L	50.0	1.7	10		04/25/19 11:03		
m&p-Xylene	5.6J	ug/L	20.0	4.7	10		04/25/19 11:03		
o-Xylene	8.1J	ug/L	10.0	2.6	10		04/25/19 11:03	95-47-6	
Surrogates	110	0/	70 120		10		04/05/10 11:02	1000 E2 7	
Dibromofluoromethane (S)	113	%	70-130 70-130		10		04/25/19 11:03		
Toluene-d8 (S)	98	%			10		04/25/19 11:03		
4-Bromofluorobenzene (S)	93	%	70-130		10		04/25/19 11:03	460-00-4	
300.0 IC Anions 28 Days	Analytical	Method: EPA 3	0.00						
Sulfate	1.4J	mg/L	3.0	1.0	1		04/30/19 04:08	14808-79-8	
310.2 Alkalinity	Analytical	Method: EPA 3	10.2						
Alkalinity, Total as CaCO3	230	mg/L	47.0	14.1	2		05/02/19 11:12		
353.2 Nitrogen, NO2/NO3 pres.	Analytical	Method: EPA 3	53.2						
Nitrogen, NO2 plus NO3	<0.095	mg/L	0.25	0.095	1		05/01/19 11:51		
Sample: DUP01	Lab ID:	40186309006	Collected	: 04/22/19	14:16	Received: 04/	23/19 15:35 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical	Method: EPA 8	015B Modifie	 ed				-	
Methane	5670	ug/L	56.0	27.4	20		05/01/19 12:25	74-82-8	
6020 MET ICPMS, Dissolved	Analytical	Method: EPA 6	020 Prepara	ation Metho	od: EPA	3010			
Arsenic, Dissolved	5.2	ug/L	1.0	0.28	1	∩4/25/19 ∩7·∩2	04/30/19 14:58	7440-38-2	
Iron, Dissolved	322J	ug/L ug/L	368	111	1		04/30/19 14:58		
Manganese, Dissolved	66.5	ug/L ug/L	9.0	2.7	1		04/30/19 14:58		
-		-		2.1	'	04/23/19 01:02	04/30/19 14.30	7439-90-3	
8260 MSV UST	-	Method: EPA 8							
Benzene	521	ug/L	2.5	0.62	2.5		04/25/19 12:11	71-43-2	
Ethylbenzene	47.7	ug/L	2.5	0.55	2.5		04/25/19 12:11	100 11 1	



Project: 67973 APPLETON FORMER MGP

Pace Project No.: 40186309

Date: 05/07/2019 07:25 AM

Sample: DUP01	Lab ID:	40186309006	Collected	d: 04/22/19	14:16	Received: 04	1/23/19 15:35 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
3260 MSV UST	Analytical	Method: EPA 8	260						
Naphthalene	529	ug/L	12.5	2.9	2.5		04/25/19 12:11	91-20-3	
Toluene	2.5J	ug/L	12.5	0.43	2.5		04/25/19 12:11	108-88-3	
m&p-Xylene	6.4	ug/L	5.0	1.2	2.5		04/25/19 12:11	179601-23-1	
o-Xylene	9.4	ug/L	2.5	0.65	2.5		04/25/19 12:11	95-47-6	
Surrogates									
Dibromofluoromethane (S)	114	%	70-130		2.5		04/25/19 12:11	1868-53-7	
Toluene-d8 (S)	96	%	70-130		2.5		04/25/19 12:11	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		2.5		04/25/19 12:11	460-00-4	
300.0 IC Anions 28 Days	Analytical	Method: EPA 3	0.00						
Sulfate	1.8J	mg/L	3.0	1.0	1		04/30/19 04:23	14808-79-8	
310.2 Alkalinity	Analytical	Method: EPA 3	10.2						
Alkalinity, Total as CaCO3	224	mg/L	47.0	14.1	2		05/02/19 11:12		
353.2 Nitrogen, NO2/NO3 pres.	Analytical	Method: EPA 3	53.2						
Nitrogen, NO2 plus NO3	< 0.095	mg/L	0.25	0.095	1		05/01/19 11:55		

^{**}Sample results redacted due to sample results corresponding to a separate property.**





Project: 67973 APPLETON FORMER MGP

Pace Project No.: 40186309

Date: 05/07/2019 07:25 AM

Sample results redacted due to sample results corresponding to a separate property.





Project: 67973 APPLETON FORMER MGP

Pace Project No.: 40186309

Date: 05/07/2019 07:25 AM

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Project: 67973 APPLETON FORMER MGP

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Project: 67973 APPLETON FORMER MGP

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Date: 05/07/2019 07:25 AM

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Pace Project No.: 40186309

Date: 05/07/2019 07:25 AM

^{**}Sample results redacted due to sample results corresponding to a separate property.**





Project: 67973 APPLETON FORMER MGP

Pace Project No.: 40186309

Date: 05/07/2019 07:25 AM

^{**}Sample results redacted due to sample results corresponding to a separate property.**



Project: 67973 APPLETON FORMER MGP

Pace Project No.: 40186309

Date: 05/07/2019 07:25 AM

QC Batch: 319301 Analysis Method: EPA 8015B Modified

QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV

Associated Lab Samples: 40186309001, 40186309002, 40186309003, 40186309004

METHOD BLANK: 1855319 Matrix: Water

Associated Lab Samples: 40186309001, 40186309002, 40186309003, 40186309004

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

Methane ug/L <1.4 2.8 04/24/19 08:16

LABORATORY CONTROL SAMPLE & LCSD: 1855320 1855321 Spike LCS LCSD LCS LCSD % Rec Max Parameter Units Conc. Result Result % Rec % Rec Limits **RPD RPD** Qualifiers Methane ug/L 28.6 27.6 28.8 97 101 80-120 4 20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1855589 1855590 MS MSD 40185905009 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** RPD Qual 25.5 89 77-122 20 Methane ug/L <1.4 28.6 28.6 27.5 96

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.

Qualifiers



QUALITY CONTROL DATA

Project: 67973 APPLETON FORMER MGP

Pace Project No.: 40186309

Date: 05/07/2019 07:25 AM

QC Batch: 319961 Analysis Method: EPA 8015B Modified

QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV

Associated Lab Samples: 40186309005, 40186309006, 40186309007, 40186309008, 40186309009, 40186309011, 40186309012,

40186309014, 40186309015, 40186309017, 40186309019, 40186309021

METHOD BLANK: 1858995 Matrix: Water

Associated Lab Samples: 40186309005, 40186309006, 40186309007, 40186309008, 40186309009, 40186309011, 40186309012,

40186309014, 40186309015, 40186309017, 40186309019, 40186309021

Blank Reporting
Parameter Units Result Limit Analyzed

Methane ug/L <1.4 2.8 05/01/19 08:19

LABORATORY CONTROL SAMPLE & LCSD: 1858996 1858997 LCS Spike **LCSD** LCS LCSD % Rec Max Parameter Units Conc. Result Result % Rec % Rec Limits **RPD RPD** Qualifiers 20 Methane 28.6 27.6 27.8 97 97 80-120 1 ug/L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1858998 1858999 MSD MS 40186309021 Spike Spike MS MSD MS MSD Max % Rec RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec **RPD** Limits Qual Methane 1940 714 714 3310 3570 191 227 77-122 8 20 M1 ug/L

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.



Project: 67973 APPLETON FORMER MGP

Pace Project No.: 40186309

Date: 05/07/2019 07:25 AM

QC Batch: 319410 Analysis Method: EPA 6020

QC Batch Method: EPA 3010 Analysis Description: 6020 MET Dissolved

Associated Lab Samples: 40186309001, 40186309002, 40186309003, 40186309004, 40186309005, 40186309006, 40186309007,

40186309008, 40186309009, 40186309011, 40186309012, 40186309014, 40186309015, 40186309017,

40186309019, 40186309021

METHOD BLANK: 1856023 Matrix: Water

Associated Lab Samples: 40186309001, 40186309002, 40186309003, 40186309004, 40186309005, 40186309006, 40186309007,

40186309008, 40186309009, 40186309011, 40186309012, 40186309014, 40186309015, 40186309017,

40186309019, 40186309021

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	<0.28	1.0	04/30/19 13:23	
Iron, Dissolved	ug/L	<111	368	04/30/19 13:23	
Manganese, Dissolved	ug/L	<2.7	9.0	04/30/19 13:23	

LABORATORY CONTROL SAMPLE:	1856024					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Arsenic, Dissolved	ug/L	500	494	99	80-120	
Iron, Dissolved	ug/L	5000	5220	104	80-120	
Manganese, Dissolved	ug/L	500	496	99	80-120	

MATRIX SPIKE & MATRIX S	PIKE DUPL	LICATE: 1856	025		1856026							
			MS	MSD								
		40186309021	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Arsenic, Dissolved	ug/L	5.2	500	500	498	489	99	97	75-125	2	20	
Iron, Dissolved	ug/L	131J	5000	5000	4920	4940	96	96	75-125	0	20	
Manganese, Dissolved	ug/L	33.1	500	500	508	506	95	94	75-125	1	20	

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



Project: 67973 APPLETON FORMER MGP

Pace Project No.: 40186309

Date: 05/07/2019 07:25 AM

QC Batch: 319390 Analysis Method: EPA 8260

QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER

Associated Lab Samples: 40186309001, 40186309002, 40186309003, 40186309004, 40186309005, 40186309006, 40186309007,

40186309008, 40186309009, 40186309010, 40186309011, 40186309012, 40186309013, 40186309014,

40186309015, 40186309016, 40186309017, 40186309018, 40186309019, 40186309020

METHOD BLANK: 1855774 Matrix: Water

Associated Lab Samples: 40186309001, 40186309002, 40186309003, 40186309004, 40186309005, 40186309006, 40186309007,

40186309008, 40186309009, 40186309010, 40186309011, 40186309012, 40186309013, 40186309014,

40186309015, 40186309016, 40186309017, 40186309018, 40186309019, 40186309020

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Benzene	ug/L	<0.25	1.0	04/25/19 06:12	
Ethy benzene	ug/L	<0.22	1.0	04/25/19 06:12	
m&p-Xylene	ug/L	<0.47	2.0	04/25/19 06:12	
Naphthalene	ug/L	<1.2	5.0	04/25/19 06:12	
o-Xylene	ug/L	<0.26	1.0	04/25/19 06:12	
Toluene	ug/L	< 0.17	5.0	04/25/19 06:12	
4-Bromofluorobenzene (S)	%	84	70-130	04/25/19 06:12	
Dibromofluoromethane (S)	%	120	70-130	04/25/19 06:12	
Toluene-d8 (S)	%	98	70-130	04/25/19 06:12	

LABORATORY CONTROL SAMPLE:	1855775					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Benzene	ug/L	50	54.8	110	70-130	
Ethy benzene	ug/L	50	50.1	100	80-124	
m&p-Xylene	ug/L	100	103	103	70-130	
o-Xylene	ug/L	50	49.3	99	70-130	
Toluene	ug/L	50	51.4	103	80-126	
4-Bromofluorobenzene (S)	%			95	70-130	
Dibromofluoromethane (S)	%			113	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SF	PIKE DUPL	.ICATE: 1856	257		1856258							
		40400200040	MS	MSD	MC	MCD	MC	MCD	0/ Daa		Mass	
Б ,		40186309016	Spike	Spike	MS	MSD	MS	MSD	% Rec	DDD	Max	0 1
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Benzene	ug/L	0.73J	50	50	53.1	53.9	105	106	70-130	2	20	
Ethylbenzene	ug/L	< 0.22	50	50	46.9	48.5	94	97	80-125	3	20	
m&p-Xylene	ug/L	0.57J	100	100	96.2	100	96	100	70-130	4	20	
o-Xylene	ug/L	0.76J	50	50	47.1	49.7	93	98	70-130	5	20	
Toluene	ug/L	< 0.17	50	50	48.7	49.1	97	98	80-131	1	20	
4-Bromofluorobenzene (S)	%						93	95	70-130			
D bromofluoromethane (S)	%						108	109	70-130			
Toluene-d8 (S)	%						97	100	70-130			

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



Project: 67973 APPLETON FORMER MGP

Pace Project No.: 40186309

Date: 05/07/2019 07:25 AM

QC Batch: 319391 Analysis Method: EPA 8260

QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER

Associated Lab Samples: 40186309021

METHOD BLANK: 1855776 Matrix: Water

Associated Lab Samples: 40186309021

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Benzene	ug/L	<0.25	1.0	04/25/19 14:11	
Ethy benzene	ug/L	<0.22	1.0	04/25/19 14:11	
m&p-Xylene	ug/L	< 0.47	2.0	04/25/19 14:11	
Naphthalene	ug/L	<1.2	5.0	04/25/19 14:11	
o-Xylene	ug/L	<0.26	1.0	04/25/19 14:11	
Toluene	ug/L	<0.17	5.0	04/25/19 14:11	
4-Bromofluorobenzene (S)	%	94	70-130	04/25/19 14:11	
Dibromofluoromethane (S)	%	110	70-130	04/25/19 14:11	
Toluene-d8 (S)	%	99	70-130	04/25/19 14:11	

LABORATORY CONTROL SAMPLE:	1855777					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Benzene	ug/L	50	58.8	118	70-130	
Ethy benzene	ug/L	50	56.7	113	80-124	
m&p-Xylene	ug/L	100	113	113	70-130	
o-Xylene	ug/L	50	56.5	113	70-130	
Toluene	ug/L	50	52.4	105	80-126	
4-Bromofluorobenzene (S)	%			98	70-130	
Dibromofluoromethane (S)	%			106	70-130	
Toluene-d8 (S)	%			95	70-130	

MATRIX SPIKE & MATRIX SF	IKE DUPL	ICATE: 1855	778	78 1855779					•			
			MS	MSD								
		40186309021	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Benzene	ug/L	1690	1250	1250	2980	3190	104	120	70-130	7	20	
Ethylbenzene	ug/L	417	1250	1250	1780	1920	109	120	80-125	7	20	
m&p-Xylene	ug/L	26.8J	2500	2500	2680	2900	106	115	70-130	8	20	
o-Xylene	ug/L	30.1	1250	1250	1370	1490	107	117	70-130	8	20	
Toluene	ug/L	5.5J	1250	1250	1290	1390	102	111	80-131	8	20	
4-Bromofluorobenzene (S)	%						99	101	70-130			
D bromofluoromethane (S)	%						106	107	70-130			
Toluene-d8 (S)	%						98	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.



Project: 67973 APPLETON FORMER MGP

Pace Project No.: 40186309

QC Batch: 319745 Analysis Method: EPA 8260

QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER

Associated Lab Samples: 40186309022, 40186309023

METHOD BLANK: 1858108 Matrix: Water

Associated Lab Samples: 40186309022, 40186309023

LABORATORY CONTROL SAMPLE: 1858109

Date: 05/07/2019 07:25 AM

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Benzene	ug/L	<0.25	1.0	04/30/19 07:31	
Ethy benzene	ug/L	<0.22	1.0	04/30/19 07:31	
m&p-Xylene	ug/L	<0.47	2.0	04/30/19 07:31	
Naphthalene	ug/L	<1.2	5.0	04/30/19 07:31	
o-Xylene	ug/L	<0.26	1.0	04/30/19 07:31	
Toluene	ug/L	<0.17	5.0	04/30/19 07:31	
4-Bromofluorobenzene (S)	%	90	70-130	04/30/19 07:31	
Dibromofluoromethane (S)	%	97	70-130	04/30/19 07:31	
Toluene-d8 (S)	%	98	70-130	04/30/19 07:31	

	Spike	LC

		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Benzene	ug/L	50	52.5	105	70-130	
Ethy benzene	ug/L	50	55.6	111	80-124	
m&p-Xylene	ug/L	100	115	115	70-130	
o-Xylene	ug/L	50	57.0	114	70-130	
Toluene	ug/L	50	53.4	107	80-126	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			99	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SF	IKE DUPLI	CATE: 1858	127		1858128							
		40400047000	MS	MSD	МС	MCD	MC	MSD	% Rec		Mass	
Parameter	Units	40186647002 Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	82.6	125	125	211	216	103	106	70-130	2	20	
Ethylbenzene	ug/L	17.3	125	125	163	167	117	120	80-125	2	20	
m&p-Xylene	ug/L	17.0	250	250	304	315	115	119	70-130	3	20	
o-Xylene	ug/L	<2.5	125	125	147	149	115	118	70-130	2	20	
Toluene	ug/L	<12.5	125	125	140	145	107	112	80-131	4	20	
4-Bromofluorobenzene (S)	%						98	99	70-130			
D bromofluoromethane (S)	%						98	98	70-130			
Toluene-d8 (S)	%						98	98	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.



Project: 67973 APPLETON FORMER MGP

Pace Project No.: 40186309

Date: 05/07/2019 07:25 AM

QC Batch: 319633 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions

Associated Lab Samples: 40186309001, 40186309002, 40186309003, 40186309004, 40186309005, 40186309006, 40186309007,

40186309008

METHOD BLANK: 1857305 Matrix: Water

Associated Lab Samples: 40186309001, 40186309002, 40186309003, 40186309004, 40186309005, 40186309006, 40186309007,

40186309008

ParameterUnitsBlank ResultReporting LimitAnalyzedQualifiersSulfatemg/L<1.0</td>3.004/29/19 22:24

LABORATORY CONTROL SAMPLE: 1857306

LCS LCS Spike % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Sulfate 21.7 109 90-110 20 mg/L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1857307 1857308

MSD MS MSD MS 40186384006 Spike Spike MS MSD % Rec Max RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec RPD Limits Qual Sulfate 38.6 100 100 150 148 111 110 90-110 15 M0 mg/L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1857309 1857310

MS MSD 40186309008 MSD MS MSD % Rec Spike Spike MS Max Parameter Units Conc. Conc. Result Result % Rec % Rec Limits **RPD** RPD Qual Result Sulfate mg/L 279 400 400 720 708 110 107 90-110 2 15

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.



Project: 67973 APPLETON FORMER MGP

Pace Project No.: 40186309

Date: 05/07/2019 07:25 AM

QC Batch: 319816 Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions

Associated Lab Samples: 40186309009, 40186309011, 40186309012, 40186309014, 40186309015, 40186309017, 40186309019,

40186309021

METHOD BLANK: 1858248 Matrix: Water

Associated Lab Samples: 40186309009, 40186309011, 40186309012, 40186309014, 40186309015, 40186309017, 40186309019,

40186309021

ParameterUnitsBlank Reporting ResultReporting LimitAnalyzedQualifiersSulfatemg/L<1.0</td>3.004/30/19 10:41

LABORATORY CONTROL SAMPLE: 1858249

LCS LCS Spike % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Sulfate 20.7 103 90-110 20 mg/L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1858250 1858251

MSD MS MSD MS 40186309021 Spike Spike MS MSD % Rec Max RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec RPD Limits Qual Sulfate 12.5 20 20 34.5 34.8 110 90-110 15 M0 mg/L 111

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1858252 1858253

MS MSD 40186335006 MSD MS MSD % Rec Spike Spike MS Max Parameter Units Conc. Conc. Result Result % Rec % Rec Limits **RPD** RPD Qual Result Sulfate mg/L <1.0 20 20 23.8 23.7 118 117 90-110 15 M0

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.



Project: 67973 APPLETON FORMER MGP

Pace Project No.: 40186309

QC Batch: 320098 Analysis Method: EPA 310.2

QC Batch Method: EPA 310.2 Analysis Description: 310.2 Alkalinity

Associated Lab Samples: 40186309001, 40186309002, 40186309003, 40186309004, 40186309005, 40186309006, 40186309007,

40186309008, 40186309009, 40186309011, 40186309012, 40186309014, 40186309015, 40186309017,

40186309019, 40186309021

METHOD BLANK: 1859736 Matrix: Water

Associated Lab Samples: 40186309001, 40186309002, 40186309003, 40186309004, 40186309005, 40186309006, 40186309007,

40186309008, 40186309009, 40186309011, 40186309012, 40186309014, 40186309015, 40186309017,

40186309019, 40186309021

ParameterUnitsBlank Reporting ResultReporting LimitAnalyzedQualifiersAlkalinity, Total as CaCO3mg/L<7.0</td>23.505/02/19 11:06

LABORATORY CONTROL SAMPLE: 1859737

Date: 05/07/2019 07:25 AM

LCS LCS % Rec Spike Parameter Units Conc. Result % Rec Limits Qualifiers Alkalinity, Total as CaCO3 100 100 mg/L 100 90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1859738 1859739

MS MSD 40186309009 MSD MS MSD Spike Spike MS % Rec Max RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** Qual Alkalinity, Total as CaCO3 175 500 500 674 100 100 90-110 20 676 0 mg/L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1859740 1859741

MS MSD 40186309021 MS MSD Spike Spike MS MSD % Rec Max Parameter Units % Rec % Rec Limits **RPD** RPD Result Conc. Conc. Result Result Qual Alkalinity, Total as CaCO3 416 500 500 895 908 96 90-110 20 mg/L

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.



EPA 353.2

Project: 67973 APPLETON FORMER MGP

Pace Project No.: 40186309

Date: 05/07/2019 07:25 AM

QC Batch: 319847 Analysis Method:

QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved

Associated Lab Samples: 40186309001, 40186309002, 40186309003, 40186309004, 40186309005

METHOD BLANK: 1858391 Matrix: Water

Associated Lab Samples: 40186309001, 40186309002, 40186309003, 40186309004, 40186309005

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

Nitrogen, NO2 plus NO3 mg/L <0.095 0.25 05/01/19 11:33

LABORATORY CONTROL SAMPLE: 1858392

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Nitrogen, NO2 plus NO3 mg/L 2.5 2.4 95 90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1858393 1858394

MS MSD MSD MS MSD 40185506001 Spike Spike MS % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** RPD Qual Nitrogen, NO2 plus NO3 <0.25 80 90-110 20 M0 2.5 2.5 2.0 2.1 83 3 mg/L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1858395 1858396

MS MSD Spike 40186309005 MS MSD MS MSD Spike % Rec Max RPD Parameter Units Conc. Conc. Result Result % Rec % Rec **RPD** Qual Result Limits Nitrogen, NO2 plus NO3 < 0.095 2.5 2.5 2.4 2.6 94 100 90-110 6 20 mg/L

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.



Reporting

Project: 67973 APPLETON FORMER MGP

Pace Project No.: 40186309

Date: 05/07/2019 07:25 AM

QC Batch: 319849 Analysis Method: EPA 353.2

QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved

40186309006, 40186309007, 40186309008, 40186309009, 40186309011, 40186309012, 40186309014, Associated Lab Samples:

40186309015, 40186309017, 40186309019, 40186309021

METHOD BLANK: 1858399 Matrix: Water

40186309006, 40186309007, 40186309008, 40186309009, 40186309011, 40186309012, 40186309014, Associated Lab Samples:

40186309015, 40186309017, 40186309019, 40186309021

Blank Qualifiers Parameter Units Result Limit Analyzed

Nitrogen, NO2 plus NO3 mg/L < 0.095 0.25 05/01/19 11:53

LABORATORY CONTROL SAMPLE: 1858400

LCS LCS Spike % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Nitrogen, NO2 plus NO3 2.5 2.5 99 90-110 mg/L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1858401 1858402

MSD MS MS MSD MS 40186309021 Spike Spike MSD % Rec Max % Rec **RPD** RPD Parameter Units Result Conc. Conc. Result Result % Rec Limits Qual Nitrogen, NO2 plus NO3 < 0.095 2.5 2.5 2.4 2.6 96 101 90-110 5 20 mg/L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1858403 1858404

MS MSD 40186335006 MSD MS MSD % Rec Spike Spike MS Max Parameter Units Conc. Conc. Result Result % Rec % Rec Limits **RPD** RPD Qual Result Nitrogen, NO2 plus NO3 <0.095 2.5 2.5 2.3 2.4 90 95 90-110 5 20 mg/L

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.



QUALIFIERS

Project: 67973 APPLETON FORMER MGP

Pace Project No.: 40186309

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

Date: 05/07/2019 07:25 AM

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

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

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



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 67973 APPLETON FORMER MGP

Pace Project No.: 40186309

Date: 05/07/2019 07:25 AM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40186309001	MW-26	EPA 8015B Modified	319301	•	
40186309002	MW-28	EPA 8015B Modified	319301		
40186309003	PZ-27	EPA 8015B Modified	319301		
40186309004	MW-27	EPA 8015B Modified	319301		
40186309005	PZ-23	EPA 8015B Modified	319961		
40186309006	DUP01	EPA 8015B Modified	319961		

^{**}Sample results redacted due to sample results corresponding to a separate property.**

40186309001	MW-26	EPA 3010	319410	EPA 6020	319516
40186309002	MW-28	EPA 3010	319410	EPA 6020	319516
40186309003	PZ-27	EPA 3010	319410	EPA 6020	319516
40186309004	MW-27	EPA 3010	319410	EPA 6020	319516
40186309005	PZ-23	EPA 3010	319410	EPA 6020	319516
40186309006	DUP01	EPA 3010	319410	EPA 6020	319516

40186309001	MW-26	EPA 8260	319390
40186309002	MW-28	EPA 8260	319390
40186309003	PZ-27	EPA 8260	319390
40186309004	MW-27	EPA 8260	319390
40186309005	PZ-23	EPA 8260	319390
40186309006	DUP01	EPA 8260	319390



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 67973 APPLETON FORMER MGP

Pace Project No.: 40186309

Date: 05/07/2019 07:25 AM

					Analytical
Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Batch

^{**}Sample results redacted due to sample results corresponding to a separate property.**

40186309001	MW-26	EPA 300.0	319633
40186309002	MW-28	EPA 300.0	319633
40186309003	PZ-27	EPA 300.0	319633
40186309004	MW-27	EPA 300.0	319633
40186309005	PZ-23	EPA 300.0	319633
40186309006	DUP01	EPA 300.0	319633

40186309001	MW-26	EPA 310.2	320098
40186309002	MW-28	EPA 310.2	320098
40186309003	PZ-27	EPA 310.2	320098
40186309004	MW-27	EPA 310.2	320098
40186309005	PZ-23	EPA 310.2	320098
40186309006	DUP01	EPA 310.2	320098

40186309001	MW-26	EPA 353 2	319847
40186309002	MW-28	EPA 353.2	319847
40186309003	PZ-27	EPA 353.2	319847
40186309004	MW-27	EPA 353.2	319847
40186309005	PZ-23	EPA 353.2	319847



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 67973 APPLETON FORMER MGP

Pace Project No.: 40186309

Date: 05/07/2019 07:25 AM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40186309006	DUP01	EPA 353.2	319849		

^{**}Sample results redacted due to sample results corresponding to a separate property.**

Pace Analytical

Section B

Section A

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

be completed accurately. 679 73 -0419-001

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QC: D5M 4-23-19

Required Client Information: Required Project Information: Invoice Information: We Energies Report To: Patrick.ahrens Accounts Payable Address: 333 W. Everett St. Copy To: gdsdata@obg.com Company Name: We Energies REGULATORY AGENCY Milwaukee, WI 53203 Address: Brian Hennings, OBG, Part of Ramboll 333 W Everett St. Milwaukee WI T NPDES 12 GROUND WATER IT DRINKING WATER Purchase Order No.: 4700003357 Email To: Pace Quote patrick.ahrens@wecenergygroup.com UST **RCRA** OTHER Reference Phone: Fax: Project Name: Pace Project Appleton Former MGP Site Location Manager WI Requested Due Date/TAT: Project Number: 67973 Pace Profile # STATE: Requested Analysis Filtered (Y/N) Section D Valid Matrix Codes C=COMP) COLLECTED Preservatives N N Required Client Information MATRIX CODE N codes to l DRINKING WATER DW 602 SAMPLE TEMP AT COLLECTION WATER WASTE WATER ww COMPOSITE BTEX & Naphth 8260B COMPOSITE (G=GRAB 353.2 Residual Chlorine (Y/N) valid PRODUCT START Manganese SOIL/SOLID & Naphth 998) WP AR OT WIPE SAMPLE ID 310.2 (N+N) CODE 300.0 (A-Z, 0-9 / ,-) OTHER TYPE Analysis Sample IDs MUST BE UNIQUE TISSUE Alkalinity Senzene Na₂S₂O₃ MATRIX SAMPLE Fe NaOH H2504 ITEM DATE TIME TIME Pace Project No./ Lab I.D. DATE N DO 4-22-19 1119 001 1203 003 1247 3 1104 1329 4 001 1411 5 ARI 006 1416 007 141221 1502 7 001 MW-2R 545 8 1009 1632 9 1743 010 P7-12B 10 9 111 12/19 11 MW-19 4 1712 12 RELINQUISHED BY / APPRIATION ADDITIONAL COMMENTS DATE ACCEPTED BY / AFFILIATION DATE TIME SAMPLE CONDITIONS TIME EPA Level 2 ROT 4/23/14 1530 15735 Copy: Alex Bartelme, OBG, Part of Ramboll SAMPLER NAME AND SIGNATURE Dropped of & PALEGB Received or Ice (Y/N) (N/N) PRINT Name of SAMPLER: **DATE Signed** SIGNATURE of SAMPLER: 04/22/19 (MM/DD/YY):

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

67973-0419-001 to 40186309 88

OC! DIM	4-23-19

Section	n A d Client Information:	Section E Required F		t Infon	mation:						tion ice In	C	ation:													Pa	ige:	2	of d	2	Ф
Compar	y: We Energies	Report To:	Patr	rick.a	hrens					Atter	ntion:		Acc	ounts	Paya	able		_			7										
Address	333 W. Everett St.	Сору То:	gds	data(@obg.cor	m				Com	pany	Nam	e: V	Ve E	nergi	es				*****	RE	REGULATORY AGENCY									
	Milwaukee, WI 53203		Bria	an He	ennings, (OBG, Pa	rt of Ram	boll		Addr	ress:		333	W E	erett	St. N	Ailwa	ukee	WI			N	PDES	V	GROU	JND W	VATE	R [DRINKIN	IG WAT	ER
Email T	patrick.ahrens@wecenergygroup.com	Purchase C	Order I	No.:	4700003	3357			-		Quot										1	U	IST		RCRA	X		匚	OTHER		
Phone:	Fax:	Project Nan	me:	App	leton For	mer MGF)	723131131		-	Proje										s	ite L	ocatio	n	200300		1				
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	Section D Valid Matrix C	odes	£	_					Г	Т	Т						TN /A	П	Ť	Т	T	T	П	ΤÌ	Ť						
	Required Client Information MATRIX DRINKING WATER	CODE DW	codes to left)	OMP		COLL	ECTED		_	ı	L	_	Pres	ervati	ves		7	_	_	NN	I N	_	m	\perp	_						
ITEM#	SAMPLE ID (A-Z, 0-9 /,-) Sample IDs MUST BE UNIQUE WATER WASTE WATER PRODUCT SOIL/SOLID OIL WIPE AIR OTHER TISSUE	WT WW P SL OL WP AR OT TS	MATRIX CODE (see valid code:	SAMPLE TYPE (G=GRAB C=COMP)	STA		END/	POSITE GRAB	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H ₂ SO ₄	NO ₃	NaOH	Na ₂ S ₂ O ₃	Methanol	Analysis Test	BTEX & Naphth 8260B	As, Fe & Manganese 6020	Sulfate 300.0 Alkalinity 310.2	Z	Methane 8015B	Benzene & Naphth 8260B				Residual Chlorine (Y/N)				
n outstands	EB01			-	DATE	TIME	DATE	TIME	Ś	3	+2	I	I	Z	Z :	≥ 0	-	9	Ž (ন ব	Z	Σ	m	++	+	_	_	Pace	Project N	MOST INCOME.	o I.D.
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9	MW-22		1	H		1	\vdash	1309			7/×	t	X	+	+	+		~	,	<u> </u>	< x	1v	A	+	+	\vdash	+	Mym		021	
10	EBOI		O.T.	+		1		1340		3		1~	1	7		+		a	4	Y	Y	Y	1	++	+	+	+	Hynr		122	
11	Trip Blok 1		LAB	1		1	1	NA		2	+	\vdash	K	1		+		A	+	+	+	+	+	++	+	H	+	-		23	
12	ASS 4/23	117		1		1		70.1	1	-	+		1	1		+		4	+	+	+	+	\vdash	++	+	H	+				
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-	0 1000000			-		SAMPLE	R NAME	AND SIGNA	TUR	E												1				٥ ٥	+	5 _	aled N)	to	
1	Propped SFE PALLE GB						PRINT Na	me of SAMP	LER:	A	lov.	B	rtch		,				-							Temp in °		Received on Ice (Y/N)	ustody Sealec Cooler (Y/N)	n oc	(V/V)
	100,000						SIGNATU	RE of SAMP	LER:	111	11	//	2		1			DA	TE SI	gned	^	4/	ים מר	19		Tem	81	Rece	Coole	Gue	

Sample Preservation Receipt Form We Enorgics Project # Yolk 309 Client Name: All containers needing preservation have been checked and noted below: Yes No NA Initial when Date/ Time: Lab Lot# of pH paper: [()US353/ completed; Lab Std #ID of preservation (if pH adjusted): PH≥9 OA Vials (>6mm) after adjusted Glass **Plastic** Vials Jars General laOH+Zn Act pH ≥12 12SO4 pH ≤2 Volume 1NO3 pH <2 (mL) WGFU WPFU AG5U **VG9M** AG1H AG4S AG40 AG2S BG3U BP10 **BP3U** DG9A **VG9**U VG9H VG9D JGFU AG10 **BP2N BP3N BP3S** DG9T ZPLC BP2Z **BP3C** SP5T Pace S 001 6 2.5 / 5 / 10 002 6 2.5/5/10 003 6 2.5 / 5 / 10 004 2.5 / 5 / 10 005 6 2.5 / 5 / 10 006 2.5 / 5 / 10 007 6 1 2.5 / 5 / 10 008 6 X 2.5 / 5 / 10 009 4 2.5 / 5 / 10 010 2.5/5/10 011 2.5 / 5 / 10 012 6 x 2.5 / 5 / 10 013 3 2.5 / 5 / 10 014 6 2.5 / 5 / 10 015 6 X 2.5 / 5 / 10 3 016 2.5 / 5 / 10 017 6 2.5 / 5 / 10 3 018 2.5 / 5 / 10 6 019 2.5 / 5 / 10 3 020 2.5 / 5 / 10 Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: Headspace in VOA Vials (>6mm): Wes DNO DN/A *If yes look in headspace column AG1U 1 liter amber glass BP1U 40 mL amber ascorbic 1 liter plastic unpres DG9A **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 WPFU 40 mL clear vial unpres 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 120 mL plastic Na Thiosulfate SP5T

VG9D

40 mL clear vial DI

ZPLC

GN

ziploc bag

Page 1 of

BP3N

BP3S

250 mL plastic HNO3

250 mL plastic H2SO4

AG2S 500 mL amber glass H2SO4

BG3U 250 mL clear glass unpres

race Analytical Services, LLI 1241 Bellevue Street, Suite Green Bay, WU5430

Sample Preservation Receipt Form
Project #: 40 | 86309

We Energies Client Name: laOH+Zn Act pH ≥9 /OA Vials (>6mm) oH after adjusted Plastic Glass Vials General Jars 4aOH pH ≥12 12SO4 pH ≤2 Volume 4NO3 pH s2 (mL) WGFU WPFU DG9A VG9H VG9M VG9D JGFU AG1H AG5U AG2S BG3U VG9U ZPLC AG10 AG4S **BP10 BP2N BP3N** BP3S DG9T SP5T BP2Z Pace S 2.5/5/10 3 THE PERSON NAMED IN 3 2.5/5/10 2.5 / 5 / 10 2.5/5/10 2.5/5/10 2.5/5/10 2.5/5/10 2.5/5/10 2.5 / 5 / 10 2.5/5/10 2.5 / 5 / 10 2.5/5/10 2.5/5/10 2.5/5/10 2.5 / 5 / 10 2.5/5/10 2.5 / 5 / 10 2.5/5/11 2.5/5/12 2.5 / 5 / 13 2.5/5/14 2.5/5/15 2.5/5/16 2.5/5/17 2.5 / 5 / 18 2.5 / 5 / 19 2.5/5/20 2.5/5/21 2.5/5/22 2.5/5/23

ace 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: We Exprise			Project #	WO# : 4	10186309
Courier: CS Logistics Fed Ex Speedee Client Pace Other:	□ UPS	ΠV		40186309	
Tracking #:			_ 1-	4020000	
Cooler Temperature Uncorr: U ₺ /Corr: Temp Blank Present: □ yes no	Seals Bags F pe of Ice	None:	yes 🗆 no	,	Person examining contents:
Temp should be above freezing to 6°C. Biota Samples may be received at ≤ 0°C.					Initials:
Chain of Custody Present:	Yes □No	□n/A	1.		
Chain of Custody Filled Out:	Yes 🗆 No	□N/A	2.		
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	11	6.		
Rush Turn Around Time Requested:	Yes ZNo		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:	lYes □No	ØN/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:	\sim				
	Yes □No	□n/a	13.		
Trip Blank Custody Seals Present	Yes □No	□N/A			
Pace Trip Blank Lot # (if purchased):Client Notification/ Resolution:			If ch	ecked, see attach	ed form for additional comments
Person Contacted: Comments/ Resolution:		_Date/	Time:		
Project Manager Review:		st,	<i>}</i>	Date:	4-24-19