

From: Kurt McClung <kmclung@keyengineering.com>
Sent: Monday, October 05, 2020 3:11 PM
To: Grittner, Paul V - DNR
Subject: RE: Request for sample data - 02-41-097173
Attachments: Table 1 Soil Sample Results.pdf; Table 2 GW Elevations.pdf; Table 4 GW Sample Results.pdf; Pen & Norwich Base-FIG 2 - SITE PLAN.pdf; 40171769_frc.pdf

I believe the attached tables include a summary of all samples collected to date.

Please let me know if you have any other questions.

Thanks,

Kurt McClung, PG, PE
Senior Engineer
Direct (414) 225-0592
Mobile (262) 853-1196



A Division of SET Environmental Inc.
735 North Water Street, Suite 510
Milwaukee, Wisconsin 53202

From: Grittner, Paul V - DNR <Paul.Grittner@wisconsin.gov>
Sent: Monday, October 5, 2020 1:58 PM
To: Kurt McClung <kmclung@keyengineering.com>
Subject: Request for sample data - 02-41-097173

Mr. McClung,

Wisconsin Admin. Code NR 716.14(2) requires that responsible parties provide the Department of Natural Resources results of environmental samples collected as part of a site investigation within 10 business days of receiving the results. The semi-annual project updates that you provided to BRRTS indicates that samples were collected from the Mid-America Steel Drum Company Inc/Kitzinger (BRRTS # 02-41-560089) site after the January 25, 2018 Status Report was submitted. To be compliant with NR 716.14(2) all analytical results of samples collected after that time must be provided to the DNR without further delay.

Please contact me at the number or email listed below if you have any questions about this request, or to confirm that no samples were collected during this period.

The Remediation and Redevelopment (RR) Program is making a change from landline telephone service to cellular service. The transition will affect phone numbers for most of the RR Program staff. My new mobile phone number is (414) 405-0764.

The changeover to mobile service will be complete in approximately three months, at which time our landline telephone numbers will be discontinued.

Customers and colleagues may find the RR Program's telephone numbers in several ways:

- An updated [RR Program staff directory](#) found on the Program's web site

- Updated information found via the [DNR Staff Directory](#)
 - Staff email signature blocks
-

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Paul Grittner

Hydrogeologist - Remediation and Redevelopment Program

Wisconsin Department of Natural Resources

Phone: (414) 405-0764

paul.grittner@wisconsin.gov



dnr.wi.gov



July 11, 2018

Kurt McClung
Key Engineering Group, LTD.
735 North Water Street
Milwaukee, WI 53202

RE: Project: 1604-1013-0001 FRMR KITZINGER
Pace Project No.: 40171769

Dear Kurt McClung:

Enclosed are the analytical results for sample(s) received by the laboratory on June 29, 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: Valerie Collins, Key Engineering Group, LTD.
Cassie Haupt, KEY ENGINEERING GROUP, LTD.
Toni Schoen, KEY ENGINEERING GROUP, LTD.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

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

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SAMPLE SUMMARY

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40171769001	KMW2	Water	06/27/18 13:47	06/29/18 09:15
40171769002	KMW3	Water	06/27/18 14:41	06/29/18 09:15
40171769003	KMW5	Water	06/27/18 15:26	06/29/18 09:15
40171769004	KMW6	Water	06/27/18 16:21	06/29/18 09:15
40171769005	KMW4	Water	06/28/18 11:32	06/29/18 09:15
40171769006	KPZ2	Water	06/28/18 12:17	06/29/18 09:15
40171769007	KPZ1	Water	06/28/18 13:01	06/29/18 09:15
40171769008	SMW4	Water	06/28/18 13:57	06/29/18 09:15
40171769009	SPM-4	Water	06/28/18 14:31	06/29/18 09:15
40171769010	SMW3	Water	06/28/18 15:12	06/29/18 09:15
40171769011	DUPLICATE 1	Water	06/28/18 00:00	06/29/18 09:15
40171769012	TRIP	Water	06/28/18 00:00	06/29/18 09:15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40171769001	KMW2	EPA 8260	LAP	64
40171769002	KMW3	EPA 8260	LAP	64
40171769003	KMW5	EPA 8260	LAP	64
40171769004	KMW6	EPA 8260	LAP	64
40171769005	KMW4	EPA 8260	LAP	64
40171769006	KPZ2	EPA 8260	LAP	64
40171769007	KPZ1	EPA 8260	LAP	64
40171769008	SMW4	EPA 8260	LAP	64
40171769009	SPM-4	EPA 8260	LAP	64
40171769010	SMW3	EPA 8260	LAP	64
40171769011	DUPLICATE 1	EPA 8260	LAP	64
40171769012	TRIP	EPA 8260	LAP	64

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 1604-1013-0001 FRMR KITZINGER
Pace Project No.: 40171769

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40171769002	KMW3					
EPA 8260	Ethylbenzene	2.4	ug/L	1.0	07/11/18 08:15	
40171769003	KMW5					
EPA 8260	1,1-Dichloroethane	0.30J	ug/L	1.0	07/11/18 08:37	
EPA 8260	1,1,1-Trichloroethane	3.8	ug/L	1.0	07/11/18 08:37	
EPA 8260	Trichloroethene	0.45J	ug/L	1.0	07/11/18 08:37	
40171769004	KMW6					
EPA 8260	cis-1,2-Dichloroethene	10.3	ug/L	1.0	07/11/18 09:00	
EPA 8260	trans-1,2-Dichloroethene	1.1	ug/L	1.0	07/11/18 09:00	
EPA 8260	Trichloroethene	24.3	ug/L	1.0	07/11/18 09:00	
EPA 8260	Trichlorofluoromethane	0.32J	ug/L	1.0	07/11/18 09:00	
EPA 8260	Vinyl chloride	0.35J	ug/L	1.0	07/11/18 09:00	
40171769005	KMW4					
EPA 8260	1,1-Dichloroethane	1.8	ug/L	1.0	07/11/18 09:23	
EPA 8260	cis-1,2-Dichloroethene	32.2	ug/L	1.0	07/11/18 09:23	
EPA 8260	trans-1,2-Dichloroethene	3.8	ug/L	1.0	07/11/18 09:23	
EPA 8260	Tetrachloroethene	0.68J	ug/L	1.0	07/11/18 09:23	
EPA 8260	1,1,1-Trichloroethane	3.9	ug/L	1.0	07/11/18 09:23	
EPA 8260	Trichloroethene	14.8	ug/L	1.0	07/11/18 09:23	
EPA 8260	Vinyl chloride	4.1	ug/L	1.0	07/11/18 09:23	
40171769008	SMW4					
EPA 8260	Benzene	0.75J	ug/L	1.0	07/11/18 11:28	
EPA 8260	n-Butylbenzene	2.5	ug/L	1.0	07/11/18 11:28	
EPA 8260	Chloroethane	13.4	ug/L	1.0	07/11/18 11:28	
EPA 8260	1,1-Dichloroethane	64.0	ug/L	1.0	07/11/18 11:28	
EPA 8260	1,2-Dichloroethane	2.2	ug/L	1.0	07/11/18 11:28	
EPA 8260	cis-1,2-Dichloroethene	41.2	ug/L	1.0	07/11/18 11:28	
EPA 8260	Ethylbenzene	11.3	ug/L	1.0	07/11/18 11:28	
EPA 8260	Isopropylbenzene (Cumene)	3.0	ug/L	1.0	07/11/18 11:28	
EPA 8260	p-Isopropyltoluene	0.77J	ug/L	1.0	07/11/18 11:28	
EPA 8260	n-Propylbenzene	4.0	ug/L	1.0	07/11/18 11:28	
EPA 8260	Tetrachloroethene	3.2	ug/L	1.0	07/11/18 11:28	
EPA 8260	1,1,1-Trichloroethane	22.3	ug/L	1.0	07/11/18 11:28	
EPA 8260	1,1,2-Trichloroethane	0.42J	ug/L	1.0	07/11/18 11:28	
EPA 8260	Trichloroethene	55.3	ug/L	1.0	07/11/18 11:28	
EPA 8260	1,2,4-Trimethylbenzene	18.1	ug/L	1.0	07/11/18 11:28	
EPA 8260	Vinyl chloride	3.4	ug/L	1.0	07/11/18 11:28	
EPA 8260	m&p-Xylene	8.2	ug/L	2.0	07/11/18 11:28	
40171769009	SPM-4					
EPA 8260	Chloroethane	2110	ug/L	1000	07/10/18 16:53	
EPA 8260	1,1-Dichloroethane	15300	ug/L	1000	07/10/18 16:53	
EPA 8260	1,2-Dichloroethane	1070	ug/L	1000	07/10/18 16:53	
EPA 8260	1,1-Dichloroethene	825J	ug/L	1000	07/10/18 16:53	
EPA 8260	cis-1,2-Dichloroethene	158000	ug/L	1000	07/10/18 16:53	
EPA 8260	trans-1,2-Dichloroethene	2050	ug/L	1000	07/10/18 16:53	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40171769009	SPM-4					
EPA 8260	Ethylbenzene	2120	ug/L	1000	07/10/18 16:53	
EPA 8260	Toluene	17300	ug/L	1000	07/10/18 16:53	
EPA 8260	1,1,1-Trichloroethane	80400	ug/L	1000	07/10/18 16:53	
EPA 8260	Vinyl chloride	16500	ug/L	1000	07/10/18 16:53	
EPA 8260	m&p-Xylene	5730	ug/L	2000	07/10/18 16:53	
EPA 8260	o-Xylene	2280	ug/L	1000	07/10/18 16:53	
40171769010	SMW3					
EPA 8260	Chloroethane	1040	ug/L	250	07/10/18 17:16	
EPA 8260	1,1-Dichloroethane	1720	ug/L	250	07/10/18 17:16	
EPA 8260	1,2-Dichloroethane	302	ug/L	250	07/10/18 17:16	
EPA 8260	1,1-Dichloroethene	124J	ug/L	250	07/10/18 17:16	
EPA 8260	cis-1,2-Dichloroethene	23600	ug/L	250	07/10/18 17:16	
EPA 8260	Ethylbenzene	721	ug/L	250	07/10/18 17:16	
EPA 8260	Toluene	2040	ug/L	250	07/10/18 17:16	
EPA 8260	1,1,1-Trichloroethane	3340	ug/L	250	07/10/18 17:16	
EPA 8260	1,2,4-Trimethylbenzene	256	ug/L	250	07/10/18 17:16	
EPA 8260	Vinyl chloride	19900	ug/L	250	07/10/18 17:16	
EPA 8260	m&p-Xylene	2440	ug/L	500	07/10/18 17:16	
EPA 8260	o-Xylene	1020	ug/L	250	07/10/18 17:16	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

Sample: KMW2 **Lab ID: 40171769001** Collected: 06/27/18 13:47 Received: 06/29/18 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		07/11/18 07:52	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/11/18 07:52	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/11/18 07:52	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/11/18 07:52	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/11/18 07:52	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/11/18 07:52	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 07:52	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/11/18 07:52	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/11/18 07:52	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/11/18 07:52	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 07:52	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/11/18 07:52	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/11/18 07:52	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/11/18 07:52	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/11/18 07:52	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/11/18 07:52	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/11/18 07:52	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/11/18 07:52	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/11/18 07:52	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/11/18 07:52	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 07:52	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 07:52	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 07:52	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/11/18 07:52	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/11/18 07:52	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/11/18 07:52	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/11/18 07:52	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/11/18 07:52	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/11/18 07:52	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/11/18 07:52	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/11/18 07:52	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/11/18 07:52	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/11/18 07:52	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/11/18 07:52	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/11/18 07:52	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/11/18 07:52	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 07:52	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/11/18 07:52	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/11/18 07:52	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/11/18 07:52	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/11/18 07:52	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/11/18 07:52	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/11/18 07:52	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 07:52	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/11/18 07:52	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/11/18 07:52	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

Sample: KMW2 **Lab ID: 40171769001** Collected: 06/27/18 13:47 Received: 06/29/18 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/11/18 07:52	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/11/18 07:52	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/11/18 07:52	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/11/18 07:52	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/11/18 07:52	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/11/18 07:52	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/11/18 07:52	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/11/18 07:52	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/11/18 07:52	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/11/18 07:52	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 07:52	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 07:52	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/11/18 07:52	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/11/18 07:52	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/11/18 07:52	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		07/11/18 07:52	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		07/11/18 07:52	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		07/11/18 07:52	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

Sample: KMW3 **Lab ID: 40171769002** Collected: 06/27/18 14:41 Received: 06/29/18 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:15	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/11/18 08:15	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/11/18 08:15	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/11/18 08:15	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/11/18 08:15	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/11/18 08:15	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:15	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/11/18 08:15	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/11/18 08:15	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/11/18 08:15	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:15	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/11/18 08:15	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/11/18 08:15	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/11/18 08:15	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:15	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/11/18 08:15	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/11/18 08:15	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/11/18 08:15	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/11/18 08:15	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/11/18 08:15	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:15	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:15	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:15	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/11/18 08:15	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/11/18 08:15	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/11/18 08:15	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/11/18 08:15	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/11/18 08:15	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/11/18 08:15	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/11/18 08:15	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/11/18 08:15	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/11/18 08:15	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/11/18 08:15	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:15	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/11/18 08:15	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/11/18 08:15	108-20-3	
Ethylbenzene	2.4	ug/L	1.0	0.50	1		07/11/18 08:15	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/11/18 08:15	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/11/18 08:15	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:15	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/11/18 08:15	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/11/18 08:15	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/11/18 08:15	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:15	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:15	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/11/18 08:15	630-20-6	

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ANALYTICAL RESULTS

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

Sample: KMW3 **Lab ID: 40171769002** Collected: 06/27/18 14:41 Received: 06/29/18 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/11/18 08:15	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:15	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:15	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/11/18 08:15	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/11/18 08:15	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/11/18 08:15	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/11/18 08:15	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/11/18 08:15	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/11/18 08:15	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/11/18 08:15	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:15	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:15	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/11/18 08:15	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/11/18 08:15	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		07/11/18 08:15	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		07/11/18 08:15	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		07/11/18 08:15	2037-26-5	

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ANALYTICAL RESULTS

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

Sample: KMW5 **Lab ID: 40171769003** Collected: 06/27/18 15:26 Received: 06/29/18 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:37	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/11/18 08:37	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/11/18 08:37	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/11/18 08:37	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/11/18 08:37	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/11/18 08:37	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:37	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/11/18 08:37	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/11/18 08:37	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/11/18 08:37	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:37	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/11/18 08:37	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/11/18 08:37	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/11/18 08:37	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:37	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/11/18 08:37	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/11/18 08:37	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/11/18 08:37	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/11/18 08:37	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/11/18 08:37	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:37	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:37	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:37	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/11/18 08:37	75-71-8	
1,1-Dichloroethane	0.30J	ug/L	1.0	0.24	1		07/11/18 08:37	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/11/18 08:37	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/11/18 08:37	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/11/18 08:37	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/11/18 08:37	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/11/18 08:37	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/11/18 08:37	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/11/18 08:37	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/11/18 08:37	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:37	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/11/18 08:37	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/11/18 08:37	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:37	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/11/18 08:37	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/11/18 08:37	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:37	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/11/18 08:37	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/11/18 08:37	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/11/18 08:37	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:37	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:37	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/11/18 08:37	630-20-6	

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ANALYTICAL RESULTS

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

Sample: KMW5 **Lab ID: 40171769003** Collected: 06/27/18 15:26 Received: 06/29/18 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/11/18 08:37	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:37	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:37	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/11/18 08:37	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/11/18 08:37	120-82-1	
1,1,1-Trichloroethane	3.8	ug/L	1.0	0.50	1		07/11/18 08:37	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/11/18 08:37	79-00-5	
Trichloroethene	0.45J	ug/L	1.0	0.33	1		07/11/18 08:37	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/11/18 08:37	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/11/18 08:37	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:37	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:37	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/11/18 08:37	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/11/18 08:37	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/11/18 08:37	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		07/11/18 08:37	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		07/11/18 08:37	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		07/11/18 08:37	2037-26-5	

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ANALYTICAL RESULTS

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

Sample: KMW6 **Lab ID: 40171769004** Collected: 06/27/18 16:21 Received: 06/29/18 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:00	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/11/18 09:00	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/11/18 09:00	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/11/18 09:00	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/11/18 09:00	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/11/18 09:00	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:00	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/11/18 09:00	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/11/18 09:00	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/11/18 09:00	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:00	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/11/18 09:00	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/11/18 09:00	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/11/18 09:00	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:00	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/11/18 09:00	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/11/18 09:00	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/11/18 09:00	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/11/18 09:00	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/11/18 09:00	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:00	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:00	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:00	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/11/18 09:00	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/11/18 09:00	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/11/18 09:00	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/11/18 09:00	75-35-4	
cis-1,2-Dichloroethene	10.3	ug/L	1.0	0.26	1		07/11/18 09:00	156-59-2	
trans-1,2-Dichloroethene	1.1	ug/L	1.0	0.26	1		07/11/18 09:00	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/11/18 09:00	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/11/18 09:00	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/11/18 09:00	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/11/18 09:00	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:00	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/11/18 09:00	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/11/18 09:00	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:00	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/11/18 09:00	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/11/18 09:00	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:00	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/11/18 09:00	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/11/18 09:00	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/11/18 09:00	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:00	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:00	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/11/18 09:00	630-20-6	

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ANALYTICAL RESULTS

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

Sample: KMW6 **Lab ID: 40171769004** Collected: 06/27/18 16:21 Received: 06/29/18 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/11/18 09:00	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:00	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:00	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/11/18 09:00	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/11/18 09:00	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/11/18 09:00	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/11/18 09:00	79-00-5	
Trichloroethene	24.3	ug/L	1.0	0.33	1		07/11/18 09:00	79-01-6	
Trichlorofluoromethane	0.32J	ug/L	1.0	0.18	1		07/11/18 09:00	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/11/18 09:00	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:00	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:00	108-67-8	
Vinyl chloride	0.35J	ug/L	1.0	0.18	1		07/11/18 09:00	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/11/18 09:00	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		07/11/18 09:00	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		07/11/18 09:00	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		07/11/18 09:00	2037-26-5	

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ANALYTICAL RESULTS

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

Sample: KMW4 **Lab ID: 40171769005** Collected: 06/28/18 11:32 Received: 06/29/18 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:23	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/11/18 09:23	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/11/18 09:23	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/11/18 09:23	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/11/18 09:23	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/11/18 09:23	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:23	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/11/18 09:23	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/11/18 09:23	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/11/18 09:23	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:23	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/11/18 09:23	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/11/18 09:23	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/11/18 09:23	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:23	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/11/18 09:23	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/11/18 09:23	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/11/18 09:23	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/11/18 09:23	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/11/18 09:23	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:23	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:23	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:23	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/11/18 09:23	75-71-8	
1,1-Dichloroethane	1.8	ug/L	1.0	0.24	1		07/11/18 09:23	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/11/18 09:23	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/11/18 09:23	75-35-4	
cis-1,2-Dichloroethene	32.2	ug/L	1.0	0.26	1		07/11/18 09:23	156-59-2	
trans-1,2-Dichloroethene	3.8	ug/L	1.0	0.26	1		07/11/18 09:23	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/11/18 09:23	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/11/18 09:23	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/11/18 09:23	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/11/18 09:23	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:23	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/11/18 09:23	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/11/18 09:23	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:23	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/11/18 09:23	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/11/18 09:23	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:23	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/11/18 09:23	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/11/18 09:23	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/11/18 09:23	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:23	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:23	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/11/18 09:23	630-20-6	

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ANALYTICAL RESULTS

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

Sample: KMW4 **Lab ID: 40171769005** Collected: 06/28/18 11:32 Received: 06/29/18 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/11/18 09:23	79-34-5	
Tetrachloroethene	0.68J	ug/L	1.0	0.50	1		07/11/18 09:23	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:23	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/11/18 09:23	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/11/18 09:23	120-82-1	
1,1,1-Trichloroethane	3.9	ug/L	1.0	0.50	1		07/11/18 09:23	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/11/18 09:23	79-00-5	
Trichloroethene	14.8	ug/L	1.0	0.33	1		07/11/18 09:23	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/11/18 09:23	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/11/18 09:23	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:23	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:23	108-67-8	
Vinyl chloride	4.1	ug/L	1.0	0.18	1		07/11/18 09:23	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/11/18 09:23	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:23	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		07/11/18 09:23	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		07/11/18 09:23	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		07/11/18 09:23	2037-26-5	

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ANALYTICAL RESULTS

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

Sample: KPZ2 **Lab ID: 40171769006** Collected: 06/28/18 12:17 Received: 06/29/18 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:46	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/11/18 09:46	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/11/18 09:46	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/11/18 09:46	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/11/18 09:46	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/11/18 09:46	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:46	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/11/18 09:46	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/11/18 09:46	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/11/18 09:46	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:46	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/11/18 09:46	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/11/18 09:46	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/11/18 09:46	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:46	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/11/18 09:46	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/11/18 09:46	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/11/18 09:46	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/11/18 09:46	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/11/18 09:46	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:46	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:46	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:46	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/11/18 09:46	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/11/18 09:46	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/11/18 09:46	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/11/18 09:46	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/11/18 09:46	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/11/18 09:46	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/11/18 09:46	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/11/18 09:46	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/11/18 09:46	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/11/18 09:46	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:46	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/11/18 09:46	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/11/18 09:46	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:46	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/11/18 09:46	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/11/18 09:46	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:46	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/11/18 09:46	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/11/18 09:46	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/11/18 09:46	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:46	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:46	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/11/18 09:46	630-20-6	

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ANALYTICAL RESULTS

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

Sample: KPZ2 **Lab ID: 40171769006** Collected: 06/28/18 12:17 Received: 06/29/18 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/11/18 09:46	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:46	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:46	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/11/18 09:46	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/11/18 09:46	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/11/18 09:46	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/11/18 09:46	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/11/18 09:46	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/11/18 09:46	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/11/18 09:46	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:46	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:46	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/11/18 09:46	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/11/18 09:46	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/11/18 09:46	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		07/11/18 09:46	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		07/11/18 09:46	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		07/11/18 09:46	2037-26-5	

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ANALYTICAL RESULTS

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

Sample: KPZ1 **Lab ID: 40171769007** Collected: 06/28/18 13:01 Received: 06/29/18 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:19	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/11/18 10:19	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/11/18 10:19	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/11/18 10:19	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/11/18 10:19	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/11/18 10:19	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:19	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/11/18 10:19	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/11/18 10:19	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/11/18 10:19	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:19	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/11/18 10:19	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/11/18 10:19	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/11/18 10:19	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:19	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/11/18 10:19	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/11/18 10:19	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/11/18 10:19	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/11/18 10:19	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/11/18 10:19	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:19	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:19	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:19	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/11/18 10:19	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/11/18 10:19	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/11/18 10:19	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/11/18 10:19	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/11/18 10:19	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/11/18 10:19	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/11/18 10:19	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/11/18 10:19	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/11/18 10:19	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/11/18 10:19	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:19	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/11/18 10:19	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/11/18 10:19	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:19	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/11/18 10:19	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/11/18 10:19	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:19	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/11/18 10:19	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/11/18 10:19	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/11/18 10:19	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:19	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:19	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/11/18 10:19	630-20-6	

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ANALYTICAL RESULTS

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

Sample: KPZ1 **Lab ID: 40171769007** Collected: 06/28/18 13:01 Received: 06/29/18 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/11/18 10:19	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:19	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:19	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/11/18 10:19	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/11/18 10:19	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/11/18 10:19	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/11/18 10:19	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/11/18 10:19	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/11/18 10:19	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/11/18 10:19	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:19	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:19	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/11/18 10:19	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/11/18 10:19	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:19	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		07/11/18 10:19	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		07/11/18 10:19	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		07/11/18 10:19	2037-26-5	

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ANALYTICAL RESULTS

Project: 1604-1013-0001 FRMR KITZINGER

Sample Project No.: 40171769

Sample: SMW4 **Lab ID: 40171769008** Collected: 06/28/18 13:57 Received: 06/29/18 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	0.75J	ug/L	1.0	0.50	1		07/11/18 11:28	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/11/18 11:28	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/11/18 11:28	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/11/18 11:28	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/11/18 11:28	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/11/18 11:28	74-83-9	
n-Butylbenzene	2.5	ug/L	1.0	0.50	1		07/11/18 11:28	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/11/18 11:28	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/11/18 11:28	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/11/18 11:28	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 11:28	108-90-7	
Chloroethane	13.4	ug/L	1.0	0.37	1		07/11/18 11:28	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/11/18 11:28	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/11/18 11:28	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/11/18 11:28	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/11/18 11:28	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/11/18 11:28	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/11/18 11:28	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/11/18 11:28	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/11/18 11:28	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 11:28	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 11:28	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 11:28	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/11/18 11:28	75-71-8	
1,1-Dichloroethane	64.0	ug/L	1.0	0.24	1		07/11/18 11:28	75-34-3	
1,2-Dichloroethane	2.2	ug/L	1.0	0.17	1		07/11/18 11:28	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/11/18 11:28	75-35-4	
cis-1,2-Dichloroethene	41.2	ug/L	1.0	0.26	1		07/11/18 11:28	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/11/18 11:28	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/11/18 11:28	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/11/18 11:28	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/11/18 11:28	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/11/18 11:28	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/11/18 11:28	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/11/18 11:28	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/11/18 11:28	108-20-3	
Ethylbenzene	11.3	ug/L	1.0	0.50	1		07/11/18 11:28	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/11/18 11:28	87-68-3	
Isopropylbenzene (Cumene)	3.0	ug/L	1.0	0.14	1		07/11/18 11:28	98-82-8	
p-Isopropyltoluene	0.77J	ug/L	1.0	0.50	1		07/11/18 11:28	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/11/18 11:28	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/11/18 11:28	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/11/18 11:28	91-20-3	
n-Propylbenzene	4.0	ug/L	1.0	0.50	1		07/11/18 11:28	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/11/18 11:28	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/11/18 11:28	630-20-6	

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ANALYTICAL RESULTS

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

Sample: SMW4 **Lab ID: 40171769008** Collected: 06/28/18 13:57 Received: 06/29/18 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/11/18 11:28	79-34-5	
Tetrachloroethene	3.2	ug/L	1.0	0.50	1		07/11/18 11:28	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/11/18 11:28	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/11/18 11:28	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/11/18 11:28	120-82-1	
1,1,1-Trichloroethane	22.3	ug/L	1.0	0.50	1		07/11/18 11:28	71-55-6	
1,1,2-Trichloroethane	0.42J	ug/L	1.0	0.20	1		07/11/18 11:28	79-00-5	
Trichloroethene	55.3	ug/L	1.0	0.33	1		07/11/18 11:28	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/11/18 11:28	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/11/18 11:28	96-18-4	
1,2,4-Trimethylbenzene	18.1	ug/L	1.0	0.50	1		07/11/18 11:28	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 11:28	108-67-8	
Vinyl chloride	3.4	ug/L	1.0	0.18	1		07/11/18 11:28	75-01-4	
m&p-Xylene	8.2	ug/L	2.0	1.0	1		07/11/18 11:28	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/11/18 11:28	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		07/11/18 11:28	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		07/11/18 11:28	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		07/11/18 11:28	2037-26-5	

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ANALYTICAL RESULTS

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

Sample: SPM-4 **Lab ID: 40171769009** Collected: 06/28/18 14:31 Received: 06/29/18 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<500	ug/L	1000	500	1000		07/10/18 16:53	71-43-2	
Bromobenzene	<230	ug/L	1000	230	1000		07/10/18 16:53	108-86-1	
Bromochloromethane	<340	ug/L	1000	340	1000		07/10/18 16:53	74-97-5	
Bromodichloromethane	<500	ug/L	1000	500	1000		07/10/18 16:53	75-27-4	
Bromoform	<500	ug/L	1000	500	1000		07/10/18 16:53	75-25-2	
Bromomethane	<2430	ug/L	5000	2430	1000		07/10/18 16:53	74-83-9	
n-Butylbenzene	<500	ug/L	1000	500	1000		07/10/18 16:53	104-51-8	
sec-Butylbenzene	<2190	ug/L	5000	2190	1000		07/10/18 16:53	135-98-8	
tert-Butylbenzene	<180	ug/L	1000	180	1000		07/10/18 16:53	98-06-6	
Carbon tetrachloride	<500	ug/L	1000	500	1000		07/10/18 16:53	56-23-5	
Chlorobenzene	<500	ug/L	1000	500	1000		07/10/18 16:53	108-90-7	
Chloroethane	2110	ug/L	1000	375	1000		07/10/18 16:53	75-00-3	
Chloroform	<2500	ug/L	5000	2500	1000		07/10/18 16:53	67-66-3	
Chloromethane	<500	ug/L	1000	500	1000		07/10/18 16:53	74-87-3	
2-Chlorotoluene	<500	ug/L	1000	500	1000		07/10/18 16:53	95-49-8	
4-Chlorotoluene	<214	ug/L	1000	214	1000		07/10/18 16:53	106-43-4	
1,2-Dibromo-3-chloropropane	<2160	ug/L	5000	2160	1000		07/10/18 16:53	96-12-8	
Dibromochloromethane	<500	ug/L	1000	500	1000		07/10/18 16:53	124-48-1	
1,2-Dibromoethane (EDB)	<178	ug/L	1000	178	1000		07/10/18 16:53	106-93-4	
Dibromomethane	<427	ug/L	1000	427	1000		07/10/18 16:53	74-95-3	
1,2-Dichlorobenzene	<500	ug/L	1000	500	1000		07/10/18 16:53	95-50-1	
1,3-Dichlorobenzene	<500	ug/L	1000	500	1000		07/10/18 16:53	541-73-1	
1,4-Dichlorobenzene	<500	ug/L	1000	500	1000		07/10/18 16:53	106-46-7	
Dichlorodifluoromethane	<224	ug/L	1000	224	1000		07/10/18 16:53	75-71-8	
1,1-Dichloroethane	15300	ug/L	1000	242	1000		07/10/18 16:53	75-34-3	
1,2-Dichloroethane	1070	ug/L	1000	168	1000		07/10/18 16:53	107-06-2	
1,1-Dichloroethene	825J	ug/L	1000	410	1000		07/10/18 16:53	75-35-4	
cis-1,2-Dichloroethene	158000	ug/L	1000	256	1000		07/10/18 16:53	156-59-2	
trans-1,2-Dichloroethene	2050	ug/L	1000	257	1000		07/10/18 16:53	156-60-5	
1,2-Dichloropropane	<233	ug/L	1000	233	1000		07/10/18 16:53	78-87-5	
1,3-Dichloropropane	<500	ug/L	1000	500	1000		07/10/18 16:53	142-28-9	
2,2-Dichloropropane	<484	ug/L	1000	484	1000		07/10/18 16:53	594-20-7	
1,1-Dichloropropene	<441	ug/L	1000	441	1000		07/10/18 16:53	563-58-6	
cis-1,3-Dichloropropene	<500	ug/L	1000	500	1000		07/10/18 16:53	10061-01-5	
trans-1,3-Dichloropropene	<230	ug/L	1000	230	1000		07/10/18 16:53	10061-02-6	
Diisopropyl ether	<500	ug/L	1000	500	1000		07/10/18 16:53	108-20-3	
Ethylbenzene	2120	ug/L	1000	500	1000		07/10/18 16:53	100-41-4	
Hexachloro-1,3-butadiene	<2110	ug/L	5000	2110	1000		07/10/18 16:53	87-68-3	
Isopropylbenzene (Cumene)	<143	ug/L	1000	143	1000		07/10/18 16:53	98-82-8	
p-Isopropyltoluene	<500	ug/L	1000	500	1000		07/10/18 16:53	99-87-6	
Methylene Chloride	<233	ug/L	1000	233	1000		07/10/18 16:53	75-09-2	
Methyl-tert-butyl ether	<174	ug/L	1000	174	1000		07/10/18 16:53	1634-04-4	
Naphthalene	<2500	ug/L	5000	2500	1000		07/10/18 16:53	91-20-3	
n-Propylbenzene	<500	ug/L	1000	500	1000		07/10/18 16:53	103-65-1	
Styrene	<500	ug/L	1000	500	1000		07/10/18 16:53	100-42-5	
1,1,1,2-Tetrachloroethane	<181	ug/L	1000	181	1000		07/10/18 16:53	630-20-6	

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ANALYTICAL RESULTS

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

Sample: SPM-4 **Lab ID: 40171769009** Collected: 06/28/18 14:31 Received: 06/29/18 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<249	ug/L	1000	249	1000		07/10/18 16:53	79-34-5	
Tetrachloroethene	<500	ug/L	1000	500	1000		07/10/18 16:53	127-18-4	
Toluene	17300	ug/L	1000	500	1000		07/10/18 16:53	108-88-3	
1,2,3-Trichlorobenzene	<2130	ug/L	5000	2130	1000		07/10/18 16:53	87-61-6	
1,2,4-Trichlorobenzene	<2210	ug/L	5000	2210	1000		07/10/18 16:53	120-82-1	
1,1,1-Trichloroethane	80400	ug/L	1000	500	1000		07/10/18 16:53	71-55-6	
1,1,2-Trichloroethane	<197	ug/L	1000	197	1000		07/10/18 16:53	79-00-5	
Trichloroethene	<331	ug/L	1000	331	1000		07/10/18 16:53	79-01-6	
Trichlorofluoromethane	<185	ug/L	1000	185	1000		07/10/18 16:53	75-69-4	
1,2,3-Trichloropropane	<500	ug/L	1000	500	1000		07/10/18 16:53	96-18-4	
1,2,4-Trimethylbenzene	<500	ug/L	1000	500	1000		07/10/18 16:53	95-63-6	
1,3,5-Trimethylbenzene	<500	ug/L	1000	500	1000		07/10/18 16:53	108-67-8	
Vinyl chloride	16500	ug/L	1000	176	1000		07/10/18 16:53	75-01-4	
m&p-Xylene	5730	ug/L	2000	1000	1000		07/10/18 16:53	179601-23-1	
o-Xylene	2280	ug/L	1000	500	1000		07/10/18 16:53	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1000		07/10/18 16:53	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1000		07/10/18 16:53	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1000		07/10/18 16:53	2037-26-5	

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ANALYTICAL RESULTS

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

Sample: SMW3 **Lab ID: 40171769010** Collected: 06/28/18 15:12 Received: 06/29/18 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<125	ug/L	250	125	250		07/10/18 17:16	71-43-2	
Bromobenzene	<57.5	ug/L	250	57.5	250		07/10/18 17:16	108-86-1	
Bromochloromethane	<85.1	ug/L	250	85.1	250		07/10/18 17:16	74-97-5	
Bromodichloromethane	<125	ug/L	250	125	250		07/10/18 17:16	75-27-4	
Bromoform	<125	ug/L	250	125	250		07/10/18 17:16	75-25-2	
Bromomethane	<609	ug/L	1250	609	250		07/10/18 17:16	74-83-9	
n-Butylbenzene	<125	ug/L	250	125	250		07/10/18 17:16	104-51-8	
sec-Butylbenzene	<547	ug/L	1250	547	250		07/10/18 17:16	135-98-8	
tert-Butylbenzene	<45.1	ug/L	250	45.1	250		07/10/18 17:16	98-06-6	
Carbon tetrachloride	<125	ug/L	250	125	250		07/10/18 17:16	56-23-5	
Chlorobenzene	<125	ug/L	250	125	250		07/10/18 17:16	108-90-7	
Chloroethane	1040	ug/L	250	93.6	250		07/10/18 17:16	75-00-3	
Chloroform	<625	ug/L	1250	625	250		07/10/18 17:16	67-66-3	
Chloromethane	<125	ug/L	250	125	250		07/10/18 17:16	74-87-3	
2-Chlorotoluene	<125	ug/L	250	125	250		07/10/18 17:16	95-49-8	
4-Chlorotoluene	<53.4	ug/L	250	53.4	250		07/10/18 17:16	106-43-4	
1,2-Dibromo-3-chloropropane	<541	ug/L	1250	541	250		07/10/18 17:16	96-12-8	
Dibromochloromethane	<125	ug/L	250	125	250		07/10/18 17:16	124-48-1	
1,2-Dibromoethane (EDB)	<44.4	ug/L	250	44.4	250		07/10/18 17:16	106-93-4	
Dibromomethane	<107	ug/L	250	107	250		07/10/18 17:16	74-95-3	
1,2-Dichlorobenzene	<125	ug/L	250	125	250		07/10/18 17:16	95-50-1	
1,3-Dichlorobenzene	<125	ug/L	250	125	250		07/10/18 17:16	541-73-1	
1,4-Dichlorobenzene	<125	ug/L	250	125	250		07/10/18 17:16	106-46-7	
Dichlorodifluoromethane	<56.0	ug/L	250	56.0	250		07/10/18 17:16	75-71-8	
1,1-Dichloroethane	1720	ug/L	250	60.4	250		07/10/18 17:16	75-34-3	
1,2-Dichloroethane	302	ug/L	250	42.0	250		07/10/18 17:16	107-06-2	
1,1-Dichloroethene	124J	ug/L	250	103	250		07/10/18 17:16	75-35-4	
cis-1,2-Dichloroethene	23600	ug/L	250	64.0	250		07/10/18 17:16	156-59-2	
trans-1,2-Dichloroethene	<64.1	ug/L	250	64.1	250		07/10/18 17:16	156-60-5	
1,2-Dichloropropane	<58.3	ug/L	250	58.3	250		07/10/18 17:16	78-87-5	
1,3-Dichloropropane	<125	ug/L	250	125	250		07/10/18 17:16	142-28-9	
2,2-Dichloropropane	<121	ug/L	250	121	250		07/10/18 17:16	594-20-7	
1,1-Dichloropropene	<110	ug/L	250	110	250		07/10/18 17:16	563-58-6	
cis-1,3-Dichloropropene	<125	ug/L	250	125	250		07/10/18 17:16	10061-01-5	
trans-1,3-Dichloropropene	<57.4	ug/L	250	57.4	250		07/10/18 17:16	10061-02-6	
Diisopropyl ether	<125	ug/L	250	125	250		07/10/18 17:16	108-20-3	
Ethylbenzene	721	ug/L	250	125	250		07/10/18 17:16	100-41-4	
Hexachloro-1,3-butadiene	<526	ug/L	1250	526	250		07/10/18 17:16	87-68-3	
Isopropylbenzene (Cumene)	<35.8	ug/L	250	35.8	250		07/10/18 17:16	98-82-8	
p-Isopropyltoluene	<125	ug/L	250	125	250		07/10/18 17:16	99-87-6	
Methylene Chloride	<58.1	ug/L	250	58.1	250		07/10/18 17:16	75-09-2	
Methyl-tert-butyl ether	<43.6	ug/L	250	43.6	250		07/10/18 17:16	1634-04-4	
Naphthalene	<625	ug/L	1250	625	250		07/10/18 17:16	91-20-3	
n-Propylbenzene	<125	ug/L	250	125	250		07/10/18 17:16	103-65-1	
Styrene	<125	ug/L	250	125	250		07/10/18 17:16	100-42-5	
1,1,1,2-Tetrachloroethane	<45.1	ug/L	250	45.1	250		07/10/18 17:16	630-20-6	

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ANALYTICAL RESULTS

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

Sample: SMW3 **Lab ID: 40171769010** Collected: 06/28/18 15:12 Received: 06/29/18 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<62.3	ug/L	250	62.3	250		07/10/18 17:16	79-34-5	
Tetrachloroethene	<125	ug/L	250	125	250		07/10/18 17:16	127-18-4	
Toluene	2040	ug/L	250	125	250		07/10/18 17:16	108-88-3	
1,2,3-Trichlorobenzene	<533	ug/L	1250	533	250		07/10/18 17:16	87-61-6	
1,2,4-Trichlorobenzene	<552	ug/L	1250	552	250		07/10/18 17:16	120-82-1	
1,1,1-Trichloroethane	3340	ug/L	250	125	250		07/10/18 17:16	71-55-6	
1,1,2-Trichloroethane	<49.3	ug/L	250	49.3	250		07/10/18 17:16	79-00-5	
Trichloroethene	<82.7	ug/L	250	82.7	250		07/10/18 17:16	79-01-6	
Trichlorofluoromethane	<46.2	ug/L	250	46.2	250		07/10/18 17:16	75-69-4	
1,2,3-Trichloropropane	<125	ug/L	250	125	250		07/10/18 17:16	96-18-4	
1,2,4-Trimethylbenzene	256	ug/L	250	125	250		07/10/18 17:16	95-63-6	
1,3,5-Trimethylbenzene	<125	ug/L	250	125	250		07/10/18 17:16	108-67-8	
Vinyl chloride	19900	ug/L	250	43.9	250		07/10/18 17:16	75-01-4	
m&p-Xylene	2440	ug/L	500	250	250		07/10/18 17:16	179601-23-1	
o-Xylene	1020	ug/L	250	125	250		07/10/18 17:16	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		250		07/10/18 17:16	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		250		07/10/18 17:16	1868-53-7	
Toluene-d8 (S)	100	%	70-130		250		07/10/18 17:16	2037-26-5	

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ANALYTICAL RESULTS

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

Sample: DUPLICATE 1 **Lab ID: 40171769011** Collected: 06/28/18 00:00 Received: 06/29/18 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:42	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/11/18 10:42	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/11/18 10:42	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/11/18 10:42	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/11/18 10:42	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/11/18 10:42	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:42	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/11/18 10:42	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/11/18 10:42	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/11/18 10:42	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:42	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/11/18 10:42	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/11/18 10:42	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/11/18 10:42	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:42	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/11/18 10:42	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/11/18 10:42	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/11/18 10:42	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/11/18 10:42	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/11/18 10:42	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:42	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:42	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:42	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/11/18 10:42	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/11/18 10:42	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/11/18 10:42	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/11/18 10:42	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/11/18 10:42	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/11/18 10:42	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/11/18 10:42	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/11/18 10:42	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/11/18 10:42	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/11/18 10:42	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:42	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/11/18 10:42	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/11/18 10:42	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:42	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/11/18 10:42	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/11/18 10:42	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:42	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/11/18 10:42	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/11/18 10:42	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/11/18 10:42	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:42	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:42	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/11/18 10:42	630-20-6	

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ANALYTICAL RESULTS

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

Sample: DUPLICATE 1 **Lab ID: 40171769011** Collected: 06/28/18 00:00 Received: 06/29/18 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/11/18 10:42	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:42	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:42	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/11/18 10:42	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/11/18 10:42	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/11/18 10:42	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/11/18 10:42	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/11/18 10:42	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/11/18 10:42	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/11/18 10:42	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:42	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:42	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/11/18 10:42	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/11/18 10:42	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/11/18 10:42	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		07/11/18 10:42	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		07/11/18 10:42	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		07/11/18 10:42	2037-26-5	

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ANALYTICAL RESULTS

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

Sample: TRIP **Lab ID: 40171769012** Collected: 06/28/18 00:00 Received: 06/29/18 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		07/10/18 18:02	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/10/18 18:02	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/10/18 18:02	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/10/18 18:02	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/10/18 18:02	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/10/18 18:02	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/18 18:02	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/10/18 18:02	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/10/18 18:02	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/10/18 18:02	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/18 18:02	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/10/18 18:02	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/10/18 18:02	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/10/18 18:02	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/10/18 18:02	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/10/18 18:02	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/10/18 18:02	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/10/18 18:02	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/10/18 18:02	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/10/18 18:02	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/18 18:02	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/18 18:02	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/10/18 18:02	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/10/18 18:02	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/10/18 18:02	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/10/18 18:02	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/10/18 18:02	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/10/18 18:02	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/10/18 18:02	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/10/18 18:02	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/18 18:02	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/10/18 18:02	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/10/18 18:02	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/10/18 18:02	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/10/18 18:02	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/10/18 18:02	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/18 18:02	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/10/18 18:02	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/10/18 18:02	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/10/18 18:02	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/10/18 18:02	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/10/18 18:02	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/10/18 18:02	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/18 18:02	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/10/18 18:02	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/10/18 18:02	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

Sample: TRIP **Lab ID: 40171769012** Collected: 06/28/18 00:00 Received: 06/29/18 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/10/18 18:02	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/10/18 18:02	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/10/18 18:02	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/10/18 18:02	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/10/18 18:02	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/10/18 18:02	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/10/18 18:02	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/10/18 18:02	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/10/18 18:02	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/18 18:02	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/18 18:02	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/18 18:02	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/10/18 18:02	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/10/18 18:02	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/10/18 18:02	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		07/10/18 18:02	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		07/10/18 18:02	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		07/10/18 18:02	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

METHOD BLANK: 1716197

Matrix: Water

Associated Lab Samples: 40171769001, 40171769002, 40171769003, 40171769004, 40171769005, 40171769006, 40171769007, 40171769008, 40171769009, 40171769010, 40171769011, 40171769012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.50	1.0	07/10/18 12:14	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	07/10/18 12:14	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	07/10/18 12:14	
m&p-Xylene	ug/L	<1.0	2.0	07/10/18 12:14	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	07/10/18 12:14	
Methylene Chloride	ug/L	<0.23	1.0	07/10/18 12:14	
n-Butylbenzene	ug/L	<0.50	1.0	07/10/18 12:14	
n-Propylbenzene	ug/L	<0.50	1.0	07/10/18 12:14	
Naphthalene	ug/L	<2.5	5.0	07/10/18 12:14	
o-Xylene	ug/L	<0.50	1.0	07/10/18 12:14	
p-Isopropyltoluene	ug/L	<0.50	1.0	07/10/18 12:14	
sec-Butylbenzene	ug/L	<2.2	5.0	07/10/18 12:14	
Styrene	ug/L	<0.50	1.0	07/10/18 12:14	
tert-Butylbenzene	ug/L	<0.18	1.0	07/10/18 12:14	
Tetrachloroethene	ug/L	<0.50	1.0	07/10/18 12:14	
Toluene	ug/L	<0.50	1.0	07/10/18 12:14	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	07/10/18 12:14	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	07/10/18 12:14	
Trichloroethene	ug/L	<0.33	1.0	07/10/18 12:14	
Trichlorofluoromethane	ug/L	<0.18	1.0	07/10/18 12:14	
Vinyl chloride	ug/L	<0.18	1.0	07/10/18 12:14	
4-Bromofluorobenzene (S)	%	91	70-130	07/10/18 12:14	
Dibromofluoromethane (S)	%	103	70-130	07/10/18 12:14	
Toluene-d8 (S)	%	101	70-130	07/10/18 12:14	

LABORATORY CONTROL SAMPLE: 1716198

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.1	110	70-133	
1,1,2,2-Tetrachloroethane	ug/L	50	49.8	100	67-130	
1,1,2-Trichloroethane	ug/L	50	52.7	105	70-130	
1,1-Dichloroethane	ug/L	50	62.2	124	70-134	
1,1-Dichloroethene	ug/L	50	61.8	124	75-132	
1,2,4-Trichlorobenzene	ug/L	50	43.1	86	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	45.9	92	60-126	
1,2-Dibromoethane (EDB)	ug/L	50	50.6	101	70-130	
1,2-Dichlorobenzene	ug/L	50	48.4	97	70-130	
1,2-Dichloroethane	ug/L	50	50.9	102	73-134	
1,2-Dichloropropane	ug/L	50	53.4	107	79-128	
1,3-Dichlorobenzene	ug/L	50	48.9	98	70-130	
1,4-Dichlorobenzene	ug/L	50	48.3	97	70-130	
Benzene	ug/L	50	55.0	110	69-137	
Bromodichloromethane	ug/L	50	51.6	103	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

LABORATORY CONTROL SAMPLE: 1716198

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	43.9	88	64-133	
Bromomethane	ug/L	50	41.6	83	29-123	
Carbon tetrachloride	ug/L	50	58.6	117	73-142	
Chlorobenzene	ug/L	50	52.4	105	70-130	
Chloroethane	ug/L	50	56.0	112	59-133	
Chloroform	ug/L	50	54.3	109	80-129	
Chloromethane	ug/L	50	35.9	72	27-125	
cis-1,2-Dichloroethene	ug/L	50	53.9	108	70-134	
cis-1,3-Dichloropropene	ug/L	50	45.4	91	70-130	
Dibromochloromethane	ug/L	50	54.2	108	70-130	
Dichlorodifluoromethane	ug/L	50	19.2	38	12-127	
Ethylbenzene	ug/L	50	55.4	111	86-127	
Isopropylbenzene (Cumene)	ug/L	50	56.2	112	70-130	
m&p-Xylene	ug/L	100	112	112	70-131	
Methyl-tert-butyl ether	ug/L	50	52.6	105	65-136	
Methylene Chloride	ug/L	50	58.1	116	72-133	
o-Xylene	ug/L	50	55.8	112	70-130	
Styrene	ug/L	50	57.1	114	70-130	
Tetrachloroethene	ug/L	50	52.0	104	70-130	
Toluene	ug/L	50	55.4	111	84-124	
trans-1,2-Dichloroethene	ug/L	50	58.5	117	70-133	
trans-1,3-Dichloropropene	ug/L	50	43.5	87	67-130	
Trichloroethene	ug/L	50	53.1	106	70-130	
Trichlorofluoromethane	ug/L	50	63.9	128	69-147	
Vinyl chloride	ug/L	50	46.7	93	48-134	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			104	70-130	
Toluene-d8 (S)	%			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1716851 1716852

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40171689002 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	ug/L	<0.50	50	50	56.2	56.7	112	113	70-136	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	52.9	53.8	106	108	67-133	2	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	53.3	53.4	107	107	70-130	0	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	62.8	63.1	126	126	70-139	1	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	61.9	64.2	124	128	72-137	4	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	46.6	47.7	93	95	68-130	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	47.7	49.1	95	98	60-130	3	21	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	50.6	50.5	101	101	70-130	0	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	50.5	51.1	101	102	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.17	50	50	52.3	50.7	105	101	71-137	3	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	54.8	54.8	110	110	78-130	0	20	

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QUALITY CONTROL DATA

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1716851		1716852		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40171689002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,3-Dichlorobenzene	ug/L	<0.50	50	50	50.6	51.0	101	102	70-130	1	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	50.2	51.3	100	103	70-130	2	20		
Benzene	ug/L	<0.50	50	50	55.8	56.0	112	112	66-143	0	20		
Bromodichloromethane	ug/L	<0.50	50	50	53.1	53.4	106	107	70-130	1	20		
Bromoform	ug/L	<0.50	50	50	46.1	47.1	92	94	64-134	2	20		
Bromomethane	ug/L	<2.4	50	50	46.1	48.5	92	97	29-136	5	25		
Carbon tetrachloride	ug/L	<0.50	50	50	56.8	60.9	114	122	73-142	7	20		
Chlorobenzene	ug/L	<0.50	50	50	53.7	53.9	107	108	70-130	0	20		
Chloroethane	ug/L	<0.37	50	50	57.4	57.3	115	115	58-138	0	20		
Chloroform	ug/L	<2.5	50	50	55.0	55.2	110	110	80-131	0	20		
Chloromethane	ug/L	<0.50	50	50	35.6	36.6	71	73	24-125	3	20		
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	54.2	56.1	108	112	68-137	4	22		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	47.5	47.9	95	96	70-130	1	20		
Dibromochloromethane	ug/L	<0.50	50	50	56.1	55.0	112	110	70-131	2	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	17.5	19.3	35	39	10-127	10	20		
Ethylbenzene	ug/L	<0.50	50	50	55.1	56.4	110	113	81-136	2	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	56.4	57.9	113	116	70-132	3	20		
m&p-Xylene	ug/L	<1.0	100	100	111	113	111	113	70-135	2	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	52.9	53.2	106	106	58-142	1	23		
Methylene Chloride	ug/L	<0.23	50	50	59.2	62.0	118	124	69-137	5	20		
o-Xylene	ug/L	<0.50	50	50	55.9	55.7	112	111	70-132	0	20		
Styrene	ug/L	<0.50	50	50	57.3	57.1	115	114	70-130	0	20		
Tetrachloroethene	ug/L	<0.50	50	50	51.7	53.4	103	107	70-132	3	20		
Toluene	ug/L	<0.50	50	50	55.9	56.7	112	113	81-130	1	20		
trans-1,2-Dichloroethene	ug/L	0.28J	50	50	59.7	60.2	119	120	70-136	1	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	45.0	44.4	90	89	67-130	1	20		
Trichloroethene	ug/L	<0.33	50	50	56.0	55.1	112	110	70-131	2	20		
Trichlorofluoromethane	ug/L	0.21J	50	50	63.0	65.4	126	130	66-150	4	20		
Vinyl chloride	ug/L	<0.18	50	50	46.9	48.0	94	96	46-134	2	20		
4-Bromofluorobenzene (S)	%						96	100	70-130				
Dibromofluoromethane (S)	%						104	104	70-130				
Toluene-d8 (S)	%						99	98	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

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: 1604-1013-0001 FRMR KITZINGER

Pace Project No.: 40171769

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40171769001	KMW2	EPA 8260	293358		
40171769002	KMW3	EPA 8260	293358		
40171769003	KMW5	EPA 8260	293358		
40171769004	KMW6	EPA 8260	293358		
40171769005	KMW4	EPA 8260	293358		
40171769006	KPZ2	EPA 8260	293358		
40171769007	KPZ1	EPA 8260	293358		
40171769008	SMW4	EPA 8260	293358		
40171769009	SPM-4	EPA 8260	293358		
40171769010	SMW3	EPA 8260	293358		
40171769011	DUPLICATE 1	EPA 8260	293358		
40171769012	TRIP	EPA 8260	293358		

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(Please Print Clearly)

Company Name: Key Engineering
 Branch/Location: Milwaukee
 Project Contact: Kurt Malone
 Phone: 414-224-8300
 Project Number: 11604-1013-0001
 Project Name: Former Kitzinger Site
 Project State: WI
 Sampled By (Print): Joseph Gama
 Sampled By (Sign): [Signature]
 PO #: _____ Regulatory Program: _____



UPPER MIDWEST REGION

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

40171769

CHAIN OF CUSTODY

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

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

Y/N	A																				
Pick Letter	B																				
Analyses Requested																					

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	Kmw2	6/27/18	1347	SW
002	Kmw3		1441	α
003	Kmw5		1526	α
004	Kmw6		1621	α
005	Kmw4	6/28/18	1132	α
006	KPZ2		1217	α
007	KPZ1		1311	α
008	SMW4		1357	α
009	SPM-4		1431	α
010	SMW3		1512	α
011	Duplicate 1		-	α
012	CRIP		-	LAB

Quote #: _____

Mail To Contact: Kurt Malone

Mail To Company: Key Engineering

Mail To Address: 435 N Water Milwaukee WI

Invoice To Contact: Cassie Haupt

Invoice To Company: Key Engineering

Invoice To Address: 435 N Water Milwaukee WI

Invoice To Phone: 414 224-8300

CLIENT COMMENTS | **LAB COMMENTS (Lab Use Only)** | **Profile #**

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: <u>Joseph Gama</u> Date/Time: <u>6/28/18</u>	Received By: _____ Date/Time: _____
Relinquished By: <u>CS Logistics</u> Date/Time: <u>6/29/18 0915</u>	Received By: <u>[Signature]</u> Date/Time: <u>6/29/18 0915</u>
Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____
Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____

PACE Project No. 40171769

Receipt Temp = 20 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal
 Present / Not Present
 Intact / Not Intact

Sample Preservation Receipt Form

Client Name: Key Eng

Project # 40171769

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																																			2.5 / 5 / 10
002																																			2.5 / 5 / 10
003																																			2.5 / 5 / 10
004																																			2.5 / 5 / 10
005																																			2.5 / 5 / 10
006																																			2.5 / 5 / 10
007																																			2.5 / 5 / 10
008																																			2.5 / 5 / 10
009																																			2.5 / 5 / 10
010																																			2.5 / 5 / 10
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:	



Document Name:
Sample Condition Upon Receipt (SCUR)
 Document No.:
F-GB-C-031-Rev.07

Document Revised: 25Apr2018
 Issuing Authority:
Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #: _____

Client Name: Key Energy

WO#: **40171769**

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



40171769

Tracking #: _____

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

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

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR - NA Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: _____ /Corr: 201

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Person examining contents:
 Date: 6/29/18
 Initials: [Signature]

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

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>page #</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3. <u>[Signature]</u>
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time: _____
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>399</u>		

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

Project Manager Review: Rua for bn Date: 6/29/18

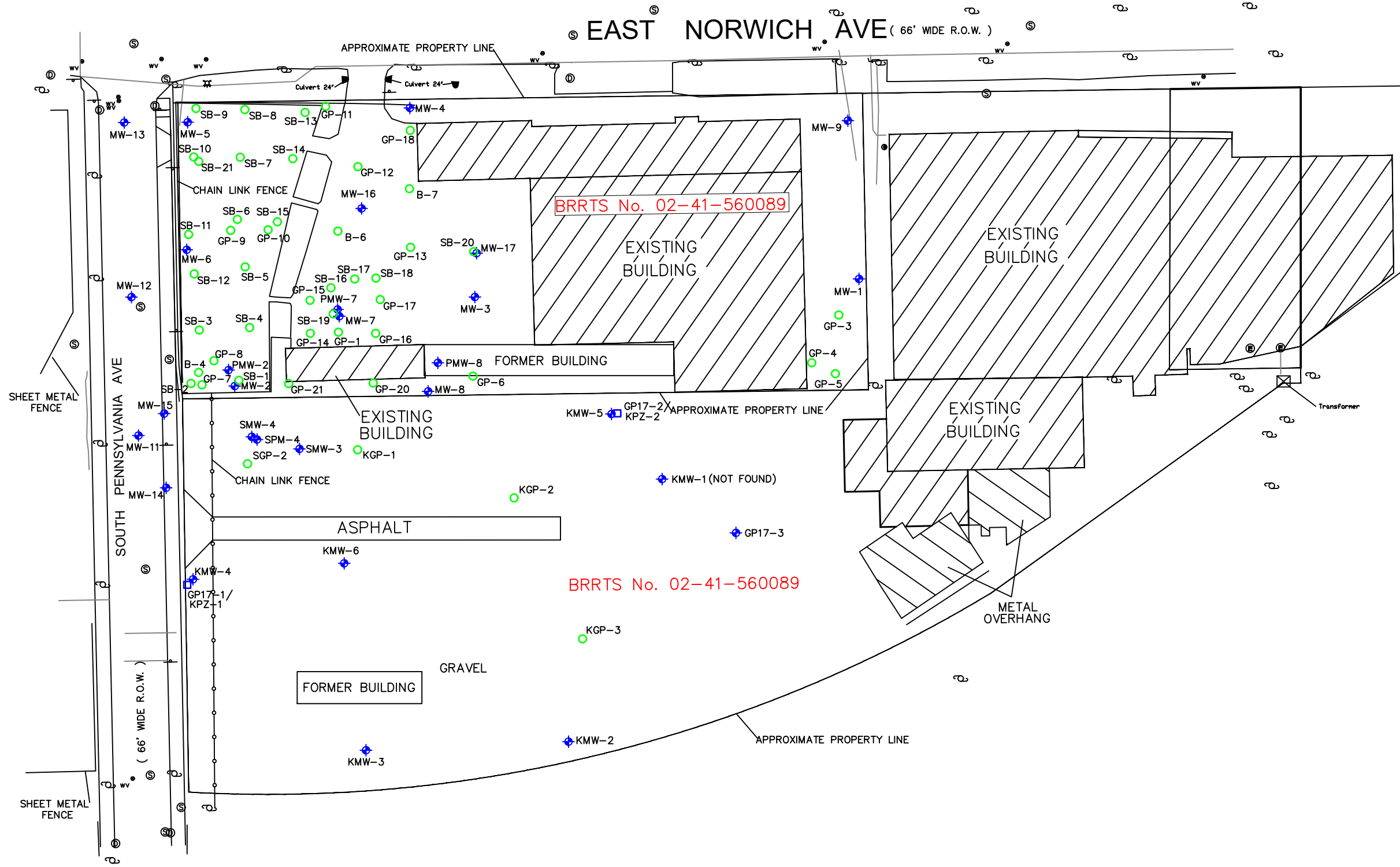
LEGEND

- - Denotes Soil Boring Location
- ⊕ - Denotes Existing Monitoring Well
- - Denotes Existing Piezometer
- ⊙ - Denotes Existing Sewer Manhole
- ⊕ - Denotes Existing Power Pole
- ⊕ - Denotes Existing Water Valve
- ⊕ - Denotes Existing Hydrant
- ⊕ - Denotes Existing Electric Manhole
- ⊕ - Denotes Existing PVC Pipe/Culvert
- ⊕ - Denotes Existing Catch Basin
- - Denotes Existing Fiber Optic Line
- - Denotes Existing Electric Line
- - Denotes Existing Gas Line
- - Denotes Existing Water Line
- - Denotes Existing Gas Meter

BRRTS No. 02-41-560089

BRRTS No. 02-41-560089

BRRTS No. 02-41-560089



DESIGNED BY	DATE
DRAWN BY	PROJECT
APPROVED BY	SHEET NO.
CADFILE	XREF

JMD	04/22/2019
TLS	1703-0866-0001
	1
F:\Work in Progress\1703-0866-0001 MASD (2306004 Kitzinger)\CAD\Fin & Norwich Base.dwg	

FIGURE 2
SITE PLAN
 2517 & 2529 E. NORWICH AVENUE
 ST FRANCIS, WISCONSIN

KEY ENGINEERING GROUP LTD.
 735 NORTH WATER STREET, SUITE 510
 MILWAUKEE, WI 53202
 414.224.8300 (tel) - 414.224.8383 (fax)

TABLE 1
Soil Sampling Analytical Results
Former Kitzinger Site
2529 East Norwich Avenue, St. Francis, Wisconsin
BRRTS 02-41-560089

	Date Collected	Depth (feet bgs)	Benzene	1,1-DCA	cis-1,2-DCE	Ethylbenzene	Methylene Chloride	Naphthalene	PCE	Toluene	1,1,1-TCA	TCE	1,2,4-TMB	1,3,5-TMB	Vinyl Chloride	m&p-Xylene	o-Xylene
NR 720 RCL for Industrial Direct Contact			7.07	22.2	2,340	35.4	1,150	24.1	145	818	640	8.41	219	182	2.08	260	
NR 720 RCL for Groundwater Pathway			0.0051	0.4834	0.0412	1.57	0.0026	0.6582	0.0045	1.1072	0.1402	0.0036	1.3821		0.0001	3.96	
KGP-1	6/28/2013	2-4	<0.025	0.0805	0.0877	<0.025	<0.025	<0.025	0.655	<0.025	0.193	2.34	<0.025	<0.025	<0.025	<0.050	<0.025
KGP-2	6/28/2013	2-4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050	<0.025
KGP-3	6/28/2013	2-4	<0.025	<0.025	0.204	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.0359J	<0.025	<0.025	<0.025	<0.050	<0.025
KMW-1	6/28/2013	2-4	<0.025	<0.025	0.0585J	<0.025	<0.025	<0.025	0.0589J	<0.025	<0.025	0.0493J	<0.025	<0.025	<0.025	<0.050	<0.025
KMW-2	6/28/2013	2-4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050	<0.025
KMW-3	6/28/2013	2-4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050	<0.025
GP17-1	11/21/2017	2-4	<0.025	<0.025	<0.025	<0.025	0.046J	<0.040	0.34	<0.025	0.047J	0.68	<0.025	<0.025	<0.025	<0.050	<0.025
		35.5-36	<0.025	<0.025	<0.025	<0.025	0.041J	<0.040	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
GP17-2	11/21/2017	2-4	<0.025	<0.025	<0.025	<0.025	0.038J	<0.040	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050	<0.025
		24-26	<0.025	<0.025	<0.025	<0.025	0.033J	<0.040	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050	<0.025
		40-42	<0.025	<0.025	<0.025	<0.025	0.031J	<0.040	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050	<0.025
GP17-3	11/21/2017	2-4	<0.025	<0.025	<0.025	<0.025	0.034J	<0.040	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050	<0.025
		14-16	<0.025	<0.025	<0.025	<0.025	0.039J	<0.040	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050	<0.025
GP17-4	11/21/2017	0-2	<0.025	<0.025	<0.025	<0.025	0.035J	<0.040	<0.025	<0.025	<0.025	0.045J	<0.025	<0.025	<0.025	<0.050	<0.025
		4-6	<0.025	<0.025	<0.025	<0.025	0.038J	<0.040	<0.025	<0.025	<0.025	0.40	<0.025	<0.025	<0.025	<0.050	<0.025

Notes

All results are expressed in milligrams per kilogram (mg/kg), equivalent to parts per million (ppm).
Results presented in *italic* type exceed the NR 720 RCL for Industrial Direct Contact (applicable to 0 to 4 feet)
Results presented in **bold** type exceed the NR 720 RCL for Groundwater Pathway
All detections in soil are presented. VOCs detected in groundwater that have an NR 720 Groundwater Pathway RCL are also presented.
J - Results between the limit of detection and limit of quantitation
bgs - below ground surface
NS - No Standard
DCA - Dichloroethane
DCE - Dichloroethene
MTBE - Methyl tertiary Butyl Ether
PCE - Tetrachloroethene
TCA - Trichloroethane
TCE - Trichloroethene
TMB - Trimethylbenzenes
VOCs - volatile organic compounds
NR 720 RCL - Wisconsin Administrative Code Chapter NR 720 Residual Contaminant Level (March 2017)

TABLE 2
Groundwater Elevation Summary
 Former Kitzinger Site
 2529 East Norwich Avenue, St. Francis, Wisconsin
 BRRTS 02-41-560089

MW-1 Off-Site Shallow Stick-up			
Date Installed			
Ground Elevation		657.10	
Top of Casing Elevation		659.28	
Top of Screen Elevation		654.90	
Bottom of Screen Elevation		644.90	
Date	Depth To Water	Groundwater Elevation	Comments
12/7/2017	NM		
3/21/2018	6.10	653.18	
6/28/2018	NM		
6/21/2019	4.61	654.67	
1/27/2020	4.10	655.18	LF Green sampled DF Property

MW-2 Off-Site Shallow Flushmount			
Date Installed			
Ground Elevation		666.04	
Top of Casing Elevation		665.55	
Top of Screen Elevation		662.12	
Bottom of Screen Elevation		652.12	
Date	Depth To Water	Groundwater Elevation	Comments
12/8/2017	NM		
3/21/2018	6.60	658.95	
6/28/2018	NM		
6/21/2019	5.72	659.83	
1/27/2020	11.90	653.65	LF Green sampled DF Property

PMW-2 Off-Site Deep Stick-up					
Date Installed					
Ground Elevation		665.73			
Top of Casing Elevation		668.65			
Top of Screen Elevation		649.15			
Bottom of Screen Elevation		639.15			
Date	Depth To Water	Depth to Product	Product Thickness	Un-Corrected Groundwater Elevation	Comments
12/8/2017	14.30	13.87	0.43	654.35	
3/21/2018	14.25			654.40	
6/28/2018	NM				
6/21/2019	11.49			657.16	
1/27/2020	8.90			659.75	LF Green sampled DF Property

MW-3 Off-Site Shallow Flushmount			
Date Installed			
Ground Elevation		659.24	
Top of Casing Elevation		658.66	
Top of Screen Elevation		655.32	
Bottom of Screen Elevation		645.32	
Date	Depth To Water	Groundwater Elevation	Comments
12/8/2017	5.38	653.28	
3/21/2018	5.60	653.06	
6/28/2018	NM		
6/21/2019	3.95	654.71	
1/27/2020	3.95	654.71	LF Green sampled DF Property

MW-4 Off-Site Shallow Stick-up			
Date Installed			
Ground Elevation		658.57	
Top of Casing Elevation		660.74	
Top of Screen Elevation		654.57	
Bottom of Screen Elevation		644.57	
Date	Depth To Water	Groundwater Elevation	Comments
12/8/2017	NM		
3/21/2018	7.71	653.03	
6/28/2018	NM		
6/21/2019	6.81	653.93	
1/27/2020	4.40	656.34	LF Green sampled DF Property

MW-5 Shallow Flushmount			
Date Installed			
Ground Elevation		662.64	
Top of Casing Elevation		662.03	
Top of Screen Elevation		658.66	
Bottom of Screen Elevation		648.66	
Date	Depth To Water	Groundwater Elevation	Comments
12/8/2017	9.20	652.83	
3/21/2018	9.30	652.73	
6/28/2018	NM		
6/21/2019	7.67	654.36	
1/27/2020	NM		LF Green sampled DF Property

MW-6 Shallow Flushmount			
Date Installed			
Ground Elevation		663.81	
Top of Casing Elevation		663.58	
Top of Screen Elevation		658.85	
Bottom of Screen Elevation		648.85	
Date	Depth To Water	Groundwater Elevation	Comments
12/8/2017	NM		Could not locate
3/21/2018	10.20	653.38	
6/28/2018	NM		
6/21/2019	8.00	655.58	
1/27/2020	NM		LF Green sampled DF Property

TABLE 2
Groundwater Elevation Summary
 Former Kitzinger Site
 2529 East Norwich Avenue, St. Francis, Wisconsin
 BRRTS 02-41-560089

MW-7 Shallow Flushmount			
Date Installed			
Ground Elevation		659.10	
Top of Casing Elevation		659.20	
Top of Screen Elevation		655.91	
Bottom of Screen Elevation		645.91	
Date	Depth To Water	Groundwater Elevation	Comments
12/8/2017	8.16	651.04	
3/21/2018	NM		
6/28/2018	NM		
6/21/2019	NM		6 feet NAPL
1/27/2020	NM		LF Green sampled DF Property

PMW-7 Off-Site Deep Flushmount			
Date Installed			
Ground Elevation		659.03	
Top of Casing Elevation		658.71	
Top of Screen Elevation		643.41	
Bottom of Screen Elevation		633.41	
Date	Depth To Water	Groundwater Elevation	Comments
12/8/2017	NM		
3/21/2018	NM		
6/28/2018	NM		
6/21/2019	6.21	652.50	
1/27/2020	6.00	652.71	LF Green sampled DF Property

MW-8 Shallow Stick-up			
Date Installed			
Ground Elevation		659.89	
Top of Casing Elevation		663.73	
Top of Screen Elevation		656.96	
Bottom of Screen Elevation		651.96	
Date	Depth To Water	Groundwater Elevation	Comments
12/8/2017	12.55	651.18	
3/21/2018	6.88	656.85	
6/28/2018	NM		
6/21/2019	5.99	657.74	
1/27/2020	2.00	661.73	LF Green sampled DF Property

PMW-8 Off-Site Deep Stick-up			
Date Installed			
Ground Elevation		659.54	
Top of Casing Elevation		662.40	
Top of Screen Elevation		635.75	
Bottom of Screen Elevation		630.75	
Date	Depth To Water	Groundwater Elevation	Comments
12/8/2017	NM		
3/21/2018	12.50	649.90	
6/28/2018	NM		
6/21/2019	9.96	652.44	
1/27/2020	7.10	655.30	LF Green sampled DF Property

MW-9 Shallow Flushmount			
Date Installed			
Ground Elevation		656.94	
Top of Casing Elevation		659.28	
Top of Screen Elevation		653.29	
Bottom of Screen Elevation		643.29	
Date	Depth To Water	Groundwater Elevation	Comments
12/8/2017	NM		
3/21/2018	NM		
6/28/2018	NM		
6/21/2019	11.77	647.51	
1/27/2020	11.90	647.38	LF Green sampled DF Property

MW-14 Shallow Flushmount			
Date Installed			
Ground Elevation		667.19	
Top of Casing Elevation		666.73	
Top of Screen Elevation		661.22	
Bottom of Screen Elevation		651.22	
Date	Depth To Water	Groundwater Elevation	Comments
12/8/2017	14.00	652.73	
3/21/2018	NM		
6/28/2018	NM		
6/21/2019	9.42	657.31	
1/27/2020	NM		LF Green sampled DF Property

MW-15 Shallow Flushmount					
Date Installed					
Ground Elevation		665.57			
Top of Casing Elevation		664.96			
Top of Screen Elevation		660.11			
Bottom of Screen Elevation		650.11			
Date	Depth To Water	Depth to Product	Product Thickness	Un-Corrected Groundwater Elevation	Comments
12/8/2017	10.80			654.16	could not measure NAPL thickness
3/21/2018	NM				
6/28/2018	NM				
6/21/2019	8.71			656.25	
1/27/2020	NM				LF Green sampled DF Property

TABLE 2
Groundwater Elevation Summary
 Former Kitzinger Site
 2529 East Norwich Avenue, St. Francis, Wisconsin
 BRRTS 02-41-560089

MW-16 Shallow Flushmount			
Date Installed			
Ground Elevation		658.42	
Top of Casing Elevation		658.11	
Top of Screen Elevation		655.31	
Bottom of Screen Elevation		645.31	
Date	Depth To Water	Groundwater Elevation	Comments
12/8/2017	NM		
3/21/2018	NM		
6/28/2018	NM		
6/21/2019	2.45	655.66	
1/27/2020	3.20	654.91	LF Green sampled DF Property

MW-17 Shallow Flushmount			
Date Installed			
Ground Elevation		659.11	
Top of Casing Elevation		658.70	
Top of Screen Elevation		640.10	
Bottom of Screen Elevation		630.10	
Date	Depth To Water	Groundwater Elevation	Comments
12/8/2017	NM		
3/21/2018	NM		
6/28/2018	NM		
6/21/2019	5.91	652.79	
1/27/2020	6.20	652.50	LF Green sampled DF Property

SMW-3 Shallow Flushmount			
Date Installed			
Ground Elevation		668.81	
Top of Casing Elevation		668.17	
Top of Screen Elevation		660.32	
Bottom of Screen Elevation		650.32	
Date	Depth To Water	Groundwater Elevation	Comments
12/8/2017	NM		could not locate well
3/21/2018	4.84	663.33	
6/28/2018	4.85	663.32	
6/21/2019	4.52	663.65	
1/27/2020	NM		LF Green sampled DF Property

SMW-4 Shallow Flushmount			
Date Installed			
Ground Elevation		667.88	
Top of Casing Elevation		667.23	
Top of Screen Elevation		659.43	
Bottom of Screen Elevation		649.43	
Date	Depth To Water	Groundwater Elevation	Comments
11/22/2017	8.23	659.00	
12/8/2017	6.30	660.93	
3/21/2018	7.63	659.60	
6/28/2018	6.42	660.81	
6/21/2019	6.18	661.05	
1/27/2020	NM		LF Green sampled DF Property

SPM-4 Deep Flushmount			
Date Installed			
Ground Elevation		667.86	
Top of Casing Elevation		667.53	
Top of Screen Elevation		643.23	
Bottom of Screen Elevation		633.23	
Date	Depth To Water	Groundwater Elevation	Comments
11/22/2017	3.85	663.68	
12/8/2017	14.05	653.48	
3/21/2018	14.91	652.62	
6/28/2018	11.98	655.55	
6/21/2019	11.45	656.08	
1/27/2020	NM		LF Green sampled DF Property

KMW-2 Shallow Flushmount			
Date Installed			
Ground Elevation		678.01	
Top of Casing Elevation		677.65	
Top of Screen Elevation			
Bottom of Screen Elevation		662.55	
Date	Depth To Water	Groundwater Elevation	Comments
11/22/2017	2.72	674.93	
12/8/2017	2.58	675.07	
3/20/2018	3.55	674.10	
6/27/2018	0.90	676.75	
6/21/2019	1.30	676.35	
1/27/2020	NM		LF Green sampled DF Property

KMW-3 Shallow Flushmount			
Date Installed			
Ground Elevation		678.25	
Top of Casing Elevation		677.83	
Top of Screen Elevation			
Bottom of Screen Elevation		662.73	
Date	Depth To Water	Groundwater Elevation	Comments
11/22/2017	4.49	673.34	
12/8/2017	4.63	673.20	
3/20/2018	8.43	669.40	
6/27/2018	2.93	674.90	
6/21/2019	2.05	675.78	flushmount needs repair
1/27/2020	NM		LF Green sampled DF Property

TABLE 2
Groundwater Elevation Summary
 Former Kitzinger Site
 2529 East Norwich Avenue, St. Francis, Wisconsin
 BRRTS 02-41-560089

KMW-4 Shallow Flushmount			
Date Installed	11/27/2017		
Ground Elevation	670.76		
Top of Casing Elevation	670.15		
Top of Screen Elevation	667.15		
Bottom of Screen Elevation	652.15		
Date	Depth To Water	Groundwater Elevation	Comments
12/8/2017	17.55	652.60	
3/20/2018	13.28	656.87	
6/28/2018	8.70	661.45	
6/21/2019	9.62	660.53	
1/27/2020	NM		LF Green sampled DF Property

KMW-5 Shallow Stick-up			
Date Installed	11/27/2017		
Ground Elevation	671.94		
Top of Casing Elevation	671.61		
Top of Screen Elevation	666.36		
Bottom of Screen Elevation	651.36		
Date	Depth To Water	Groundwater Elevation	Comments
12/8/2017	dry		
3/20/2018	17.20	654.41	
6/27/2018	10.98	660.63	
6/21/2019	11.09	660.52	
1/27/2020	NM		LF Green sampled DF Property

KMW-6 Shallow Flushmount			
Date Installed	11/27/2017		
Ground Elevation	672.06		
Top of Casing Elevation	671.61		
Top of Screen Elevation	668.91		
Bottom of Screen Elevation	653.91		
Date	Depth To Water	Groundwater Elevation	Comments
12/8/2017	dry		
3/20/2018	5.83	665.78	
6/27/2018	3.30	668.31	
6/21/2019	NM		
1/27/2020	NM		LF Green sampled DF Property

KPZ-1 Deep Flushmount			
Date Installed	11/27/2017		
Ground Elevation	670.80		
Top of Casing Elevation	670.26		
Top of Screen Elevation	647.96		
Bottom of Screen Elevation	637.96		
Date	Depth To Water	Groundwater Elevation	Comments
12/8/2017	19.15	651.11	
3/20/2018	19.30	650.96	KPZ-2 TD in field notes
6/28/2018	18.18	652.08	
6/21/2019	17.21	653.05	
1/27/2020	NM		LF Green sampled DF Property

KPZ-2 Deep Stick-up			
Date Installed	11/27/2017		
Ground Elevation	672.18		
Top of Casing Elevation	671.92		
Top of Screen Elevation	644.62		
Bottom of Screen Elevation	634.62		
Date	Depth To Water	Groundwater Elevation	Comments
12/8/2017	19.50	652.42	
3/21/2018	18.42	653.50	KPZ-1 TD in field notes
6/28/2018	16.33	655.59	
6/21/2019	15.98	655.94	
1/27/2020	NM		LF Green sampled DF Property

Notes:

Top of Casing and Ground Elevations were obtained from a December 2017 and April 2018 land survey, except where noted.
 NM = Not Measured
 dry = Well did not have measurable water in casing.
 TD = total depth

TABLE 4
Groundwater Sampling Analytical Results
Former Kitzinger Site
2529 East Norwich Avenue, St. Francis, Wisconsin
BRRTS 02-41-560089

Date Collected	Benzene	n-Butyl benzene	sec-Butyl benzene	tert-Butyl benzene	Chloroethane	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Ethylbenzene	Isopropyl benzene (Cumene)	p-Isopropyl toluene	Methylene Chloride	Naphthalene	n-Propylbenzene	PCE	Toluene	1,1,1-TCA	1,1,2-TCA	TCE	Trichloro-fluoromethane	1,2,4-TMB	1,3,5-TMB	Vinyl chloride	Xylenes
NR 140 ES	5.0	NS	NS	NS	400	850	5.0	7.0	70	100	700	NS	NS	5.0	100	NS	5.0	800	200	5.0	5.0	---	480		0.2	2,000
NR 140 PAL	0.5	NS	NS	NS	80	85	0.5	0.7	7.0	20	140	NS	NS	0.5	10	NS	0.5	160	40	0.5	0.5	---	96		0.02	400
KPZ-1	12/8/17	<0.50	<0.50	<2.2	<0.18	<0.37	<0.24	<0.17	<0.41	<0.26	<0.26	<0.50	<0.14	<0.50	<0.23	<2.5	<0.50	<0.50	<0.50	<0.20	<0.33	<0.18	<0.50	<0.50	<0.18	<1.5
	3/20/18	<0.50	<0.50	<2.2	<0.18	<0.37	<0.24	<0.17	<0.41	<0.26	<0.26	<0.50	<0.14	<0.50	<0.23	<2.5	<0.50	<0.50	<0.50	<0.20	<0.33	<0.18	<0.50	<0.50	<0.18	<1.5
	6/28/18	<0.50	<0.50	<2.2	<0.18	<0.37	<0.24	<0.17	<0.41	<0.26	<0.26	<0.50	<0.14	<0.50	<0.23	<2.5	<0.50	<0.50	<0.50	<0.20	<0.33	<0.18	<0.50	<0.50	<0.18	<1.5
	6/28/18 D	<0.50	<0.50	<2.2	<0.18	<0.37	<0.24	<0.17	<0.41	<0.26	<0.26	<0.50	<0.14	<0.50	<0.23	<2.5	<0.50	<0.50	<0.50	<0.20	<0.33	<0.18	<0.50	<0.50	<0.18	<1.5
KPZ-2	12/8/17	<0.50	<0.50	<2.2	<0.18	<0.37	<0.24	<0.17	<0.41	<0.26	<0.26	<0.50	<0.14	<0.50	<0.23	<2.5	<0.50	<0.50	<0.50	<0.20	<0.33	<0.18	<0.50	<0.50	<0.18	<1.5
	3/21/18	<0.50	<0.50	<2.2	<0.18	<0.37	<0.24	<0.17	<0.41	<0.26	<0.26	<0.50	<0.14	<0.50	<0.23	<2.5	<0.50	<0.50	<0.50	<0.20	<0.33	<0.18	<0.50	<0.50	<0.18	<1.5
	6/28/18	<0.50	<0.50	<2.2	<0.18	<0.37	<0.24	<0.17	<0.41	<0.26	<0.26	<0.50	<0.14	<0.50	<0.23	<2.5	<0.50	<0.50	<0.50	<0.20	<0.33	<0.18	<0.50	<0.50	<0.18	<1.5

Notes

All results are expressed in micrograms per liter (µg/L), equivalent to parts per billion (ppb).
Results presented in underlined italic type exceed the NR 140 PAL
Results presented in **bold type** exceed the NR 140 ES
J - Results between the limit of detection and limit of quantitation
NS - No Standard
DCA - Dichloroethane
DCE - Dichloroethene
PCE - Tetrachloroethene
TCA - Trichloroethane
TCE - Trichloroethene
TMB - Trimethylbenzenes
VOCs - volatile organic compounds
NR 140 PAL - Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit (February 2017)
NR 140 ES - Wisconsin Administrative Code Chapter NR 140 Enforcement Standard (February 2017)