

September 28, 2018

Rich Gnat
KPRG and Associates, Inc.
14665 W. Lisbon Rd.
Suite 2B
Brookfield, WI 53005

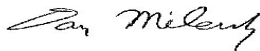
RE: Project: 24413 MILWAUKEE FABRICARE DERF
Pace Project No.: 40176427

Dear Rich Gnat:

Enclosed are the analytical results for sample(s) received by the laboratory on September 25, 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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 24413 MILWAUKEE FABRICARE DERF

Pace Project No.: 40176427

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

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SAMPLE SUMMARY

Project: 24413 MILWAUKEE FABRICARE DERF

Pace Project No.: 40176427

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40176427001	MW-1	Water	09/21/18 13:45	09/25/18 10:45
40176427002	MW-3	Water	09/21/18 11:45	09/25/18 10:45
40176427003	MW-4	Water	09/21/18 12:15	09/25/18 10:45
40176427004	MW-5	Water	09/21/18 12:40	09/25/18 10:45
40176427005	MW-6	Water	09/21/18 13:05	09/25/18 10:45
40176427006	DUPLICATE	Water	09/21/18 00:00	09/25/18 10:45

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SAMPLE ANALYTE COUNT

Project: 24413 MILWAUKEE FABRICARE DERF

Pace Project No.: 40176427

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40176427001	MW-1	EPA 8260	LAP	64	PASI-G
40176427002	MW-3	EPA 8260	LAP	64	PASI-G
40176427003	MW-4	EPA 8260	LAP	64	PASI-G
40176427004	MW-5	EPA 8260	LAP	64	PASI-G
40176427005	MW-6	EPA 8260	LAP	64	PASI-G
40176427006	DUPLICATE	EPA 8260	LAP	64	PASI-G

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SUMMARY OF DETECTION

Project: 24413 MILWAUKEE FABRICARE DERF

Pace Project No.: 40176427

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40176427001	MW-1					
EPA 8260	cis-1,2-Dichloroethene	0.72J	ug/L	1.0	09/27/18 18:11	
EPA 8260	Tetrachloroethene	9.4	ug/L	1.1	09/27/18 18:11	
40176427002	MW-3					
EPA 8260	n-Butylbenzene	1.1J	ug/L	2.4	09/28/18 07:50	
EPA 8260	cis-1,2-Dichloroethene	1.8	ug/L	1.0	09/28/18 07:50	
EPA 8260	Naphthalene	4.0J	ug/L	5.0	09/28/18 07:50	
EPA 8260	Tetrachloroethene	0.55J	ug/L	1.1	09/28/18 07:50	
EPA 8260	Toluene	0.27J	ug/L	5.0	09/28/18 07:50	
EPA 8260	1,2,4-Trimethylbenzene	1.3J	ug/L	2.8	09/28/18 07:50	
EPA 8260	Vinyl chloride	1.8	ug/L	1.0	09/28/18 07:50	
EPA 8260	m&p-Xylene	0.57J	ug/L	2.0	09/28/18 07:50	
EPA 8260	o-Xylene	0.31J	ug/L	1.0	09/28/18 07:50	
40176427003	MW-4					
EPA 8260	Tetrachloroethene	3170	ug/L	21.8	09/27/18 18:56	
EPA 8260	Trichloroethene	48.0	ug/L	20.0	09/27/18 18:56	
40176427006	DUPLICATE					
EPA 8260	cis-1,2-Dichloroethene	0.59J	ug/L	1.0	09/27/18 17:49	
EPA 8260	Tetrachloroethene	5.7	ug/L	1.1	09/27/18 17:49	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE DERF

Pace Project No.: 40176427

Sample: MW-1 **Lab ID: 40176427001** Collected: 09/21/18 13:45 Received: 09/25/18 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		09/27/18 18:11	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		09/27/18 18:11	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/27/18 18:11	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		09/27/18 18:11	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		09/27/18 18:11	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		09/27/18 18:11	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		09/27/18 18:11	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		09/27/18 18:11	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		09/27/18 18:11	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		09/27/18 18:11	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		09/27/18 18:11	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		09/27/18 18:11	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		09/27/18 18:11	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		09/27/18 18:11	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		09/27/18 18:11	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		09/27/18 18:11	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		09/27/18 18:11	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		09/27/18 18:11	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		09/27/18 18:11	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		09/27/18 18:11	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		09/27/18 18:11	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		09/27/18 18:11	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		09/27/18 18:11	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		09/27/18 18:11	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		09/27/18 18:11	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		09/27/18 18:11	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		09/27/18 18:11	75-35-4	
cis-1,2-Dichloroethene	0.72J	ug/L	1.0	0.27	1		09/27/18 18:11	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		09/27/18 18:11	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		09/27/18 18:11	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		09/27/18 18:11	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		09/27/18 18:11	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		09/27/18 18:11	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		09/27/18 18:11	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		09/27/18 18:11	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		09/27/18 18:11	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		09/27/18 18:11	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		09/27/18 18:11	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		09/27/18 18:11	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		09/27/18 18:11	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		09/27/18 18:11	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		09/27/18 18:11	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		09/27/18 18:11	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		09/27/18 18:11	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		09/27/18 18:11	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		09/27/18 18:11	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE DERF

Pace Project No.: 40176427

Sample: MW-1 **Lab ID: 40176427001** Collected: 09/21/18 13:45 Received: 09/25/18 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		09/27/18 18:11	79-34-5	
Tetrachloroethene	9.4	ug/L	1.1	0.33	1		09/27/18 18:11	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		09/27/18 18:11	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		09/27/18 18:11	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/27/18 18:11	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		09/27/18 18:11	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		09/27/18 18:11	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		09/27/18 18:11	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		09/27/18 18:11	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		09/27/18 18:11	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		09/27/18 18:11	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		09/27/18 18:11	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/27/18 18:11	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		09/27/18 18:11	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		09/27/18 18:11	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		09/27/18 18:11	460-00-4	
Dibromofluoromethane (S)	117	%	70-130		1		09/27/18 18:11	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		09/27/18 18:11	2037-26-5	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE DERF

Pace Project No.: 40176427

Sample: MW-3 **Lab ID: 40176427002** Collected: 09/21/18 11:45 Received: 09/25/18 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.25	ug/L	1.0	0.25	1		09/28/18 07:50	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		09/28/18 07:50	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/28/18 07:50	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		09/28/18 07:50	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		09/28/18 07:50	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		09/28/18 07:50	74-83-9	
n-Butylbenzene	1.1J	ug/L	2.4	0.71	1		09/28/18 07:50	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		09/28/18 07:50	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		09/28/18 07:50	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		09/28/18 07:50	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		09/28/18 07:50	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		09/28/18 07:50	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		09/28/18 07:50	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		09/28/18 07:50	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		09/28/18 07:50	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		09/28/18 07:50	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		09/28/18 07:50	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		09/28/18 07:50	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		09/28/18 07:50	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		09/28/18 07:50	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		09/28/18 07:50	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		09/28/18 07:50	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		09/28/18 07:50	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		09/28/18 07:50	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		09/28/18 07:50	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		09/28/18 07:50	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		09/28/18 07:50	75-35-4	
cis-1,2-Dichloroethene	1.8	ug/L	1.0	0.27	1		09/28/18 07:50	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		09/28/18 07:50	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		09/28/18 07:50	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		09/28/18 07:50	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		09/28/18 07:50	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		09/28/18 07:50	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		09/28/18 07:50	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		09/28/18 07:50	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		09/28/18 07:50	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		09/28/18 07:50	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		09/28/18 07:50	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		09/28/18 07:50	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		09/28/18 07:50	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		09/28/18 07:50	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		09/28/18 07:50	1634-04-4	
Naphthalene	4.0J	ug/L	5.0	1.2	1		09/28/18 07:50	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		09/28/18 07:50	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		09/28/18 07:50	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		09/28/18 07:50	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE DERF

Pace Project No.: 40176427

Sample: MW-3 **Lab ID: 40176427002** Collected: 09/21/18 11:45 Received: 09/25/18 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		09/28/18 07:50	79-34-5	
Tetrachloroethene	0.55J	ug/L	1.1	0.33	1		09/28/18 07:50	127-18-4	
Toluene	0.27J	ug/L	5.0	0.17	1		09/28/18 07:50	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		09/28/18 07:50	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/28/18 07:50	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		09/28/18 07:50	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		09/28/18 07:50	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		09/28/18 07:50	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		09/28/18 07:50	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		09/28/18 07:50	96-18-4	
1,2,4-Trimethylbenzene	1.3J	ug/L	2.8	0.84	1		09/28/18 07:50	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		09/28/18 07:50	108-67-8	
Vinyl chloride	1.8	ug/L	1.0	0.17	1		09/28/18 07:50	75-01-4	
m&p-Xylene	0.57J	ug/L	2.0	0.47	1		09/28/18 07:50	179601-23-1	
o-Xylene	0.31J	ug/L	1.0	0.26	1		09/28/18 07:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		09/28/18 07:50	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		09/28/18 07:50	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		09/28/18 07:50	2037-26-5	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE DERF

Pace Project No.: 40176427

Sample: MW-4 **Lab ID: 40176427003** Collected: 09/21/18 12:15 Received: 09/25/18 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<4.9	ug/L	20.0	4.9	20		09/27/18 18:56	71-43-2	
Bromobenzene	<4.8	ug/L	20.0	4.8	20		09/27/18 18:56	108-86-1	
Bromochloromethane	<7.2	ug/L	100	7.2	20		09/27/18 18:56	74-97-5	
Bromodichloromethane	<7.3	ug/L	24.2	7.3	20		09/27/18 18:56	75-27-4	
Bromoform	<79.4	ug/L	265	79.4	20		09/27/18 18:56	75-25-2	
Bromomethane	<19.4	ug/L	100	19.4	20		09/27/18 18:56	74-83-9	
n-Butylbenzene	<14.2	ug/L	47.2	14.2	20		09/27/18 18:56	104-51-8	
sec-Butylbenzene	<17.0	ug/L	100	17.0	20		09/27/18 18:56	135-98-8	
tert-Butylbenzene	<6.1	ug/L	20.3	6.1	20		09/27/18 18:56	98-06-6	
Carbon tetrachloride	<3.3	ug/L	20.0	3.3	20		09/27/18 18:56	56-23-5	
Chlorobenzene	<14.2	ug/L	47.4	14.2	20		09/27/18 18:56	108-90-7	
Chloroethane	<26.8	ug/L	100	26.8	20		09/27/18 18:56	75-00-3	
Chloroform	<25.5	ug/L	100	25.5	20		09/27/18 18:56	67-66-3	
Chloromethane	<43.8	ug/L	146	43.8	20		09/27/18 18:56	74-87-3	
2-Chlorotoluene	<18.5	ug/L	100	18.5	20		09/27/18 18:56	95-49-8	
4-Chlorotoluene	<15.1	ug/L	50.4	15.1	20		09/27/18 18:56	106-43-4	
1,2-Dibromo-3-chloropropane	<35.3	ug/L	118	35.3	20		09/27/18 18:56	96-12-8	
Dibromochloromethane	<52.0	ug/L	173	52.0	20		09/27/18 18:56	124-48-1	
1,2-Dibromoethane (EDB)	<16.6	ug/L	55.3	16.6	20		09/27/18 18:56	106-93-4	
Dibromomethane	<18.7	ug/L	62.5	18.7	20		09/27/18 18:56	74-95-3	
1,2-Dichlorobenzene	<14.1	ug/L	47.0	14.1	20		09/27/18 18:56	95-50-1	
1,3-Dichlorobenzene	<12.6	ug/L	41.9	12.6	20		09/27/18 18:56	541-73-1	
1,4-Dichlorobenzene	<18.9	ug/L	62.9	18.9	20		09/27/18 18:56	106-46-7	
Dichlorodifluoromethane	<10	ug/L	100	10	20		09/27/18 18:56	75-71-8	
1,1-Dichloroethane	<5.5	ug/L	20.0	5.5	20		09/27/18 18:56	75-34-3	
1,2-Dichloroethane	<5.6	ug/L	20.0	5.6	20		09/27/18 18:56	107-06-2	
1,1-Dichloroethene	<4.9	ug/L	20.0	4.9	20		09/27/18 18:56	75-35-4	
cis-1,2-Dichloroethene	<5.4	ug/L	20.0	5.4	20		09/27/18 18:56	156-59-2	
trans-1,2-Dichloroethene	<21.8	ug/L	72.7	21.8	20		09/27/18 18:56	156-60-5	
1,2-Dichloropropane	<5.7	ug/L	20.0	5.7	20		09/27/18 18:56	78-87-5	
1,3-Dichloropropane	<16.5	ug/L	55.1	16.5	20		09/27/18 18:56	142-28-9	
2,2-Dichloropropane	<45.3	ug/L	151	45.3	20		09/27/18 18:56	594-20-7	
1,1-Dichloropropene	<10.8	ug/L	36.0	10.8	20		09/27/18 18:56	563-58-6	
cis-1,3-Dichloropropene	<72.6	ug/L	242	72.6	20		09/27/18 18:56	10061-01-5	
trans-1,3-Dichloropropene	<87.4	ug/L	291	87.4	20		09/27/18 18:56	10061-02-6	
Diisopropyl ether	<37.8	ug/L	126	37.8	20		09/27/18 18:56	108-20-3	
Ethylbenzene	<4.4	ug/L	20.0	4.4	20		09/27/18 18:56	100-41-4	
Hexachloro-1,3-butadiene	<23.6	ug/L	100	23.6	20		09/27/18 18:56	87-68-3	
Isopropylbenzene (Cumene)	<7.9	ug/L	100	7.9	20		09/27/18 18:56	98-82-8	
p-Isopropyltoluene	<16.0	ug/L	53.3	16.0	20		09/27/18 18:56	99-87-6	
Methylene Chloride	<11.6	ug/L	100	11.6	20		09/27/18 18:56	75-09-2	
Methyl-tert-butyl ether	<24.9	ug/L	83.1	24.9	20		09/27/18 18:56	1634-04-4	
Naphthalene	<23.5	ug/L	100	23.5	20		09/27/18 18:56	91-20-3	
n-Propylbenzene	<16.2	ug/L	100	16.2	20		09/27/18 18:56	103-65-1	
Styrene	<9.3	ug/L	31.0	9.3	20		09/27/18 18:56	100-42-5	
1,1,1,2-Tetrachloroethane	<5.4	ug/L	20.0	5.4	20		09/27/18 18:56	630-20-6	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE DERF

Pace Project No.: 40176427

Sample: MW-4 **Lab ID: 40176427003** Collected: 09/21/18 12:15 Received: 09/25/18 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<5.5	ug/L	20.0	5.5	20		09/27/18 18:56	79-34-5	
Tetrachloroethene	3170	ug/L	21.8	6.5	20		09/27/18 18:56	127-18-4	
Toluene	<3.4	ug/L	100	3.4	20		09/27/18 18:56	108-88-3	
1,2,3-Trichlorobenzene	<12.5	ug/L	100	12.5	20		09/27/18 18:56	87-61-6	
1,2,4-Trichlorobenzene	<19.0	ug/L	100	19.0	20		09/27/18 18:56	120-82-1	
1,1,1-Trichloroethane	<4.9	ug/L	20.0	4.9	20		09/27/18 18:56	71-55-6	
1,1,2-Trichloroethane	<11.0	ug/L	100	11.0	20		09/27/18 18:56	79-00-5	
Trichloroethene	48.0	ug/L	20.0	5.1	20		09/27/18 18:56	79-01-6	
Trichlorofluoromethane	<4.3	ug/L	20.0	4.3	20		09/27/18 18:56	75-69-4	
1,2,3-Trichloropropane	<11.8	ug/L	100	11.8	20		09/27/18 18:56	96-18-4	
1,2,4-Trimethylbenzene	<16.8	ug/L	56.0	16.8	20		09/27/18 18:56	95-63-6	
1,3,5-Trimethylbenzene	<17.5	ug/L	58.2	17.5	20		09/27/18 18:56	108-67-8	
Vinyl chloride	<3.5	ug/L	20.0	3.5	20		09/27/18 18:56	75-01-4	
m&p-Xylene	<9.3	ug/L	40.0	9.3	20		09/27/18 18:56	179601-23-1	
o-Xylene	<5.2	ug/L	20.0	5.2	20		09/27/18 18:56	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		20		09/27/18 18:56	460-00-4	
Dibromofluoromethane (S)	116	%	70-130		20		09/27/18 18:56	1868-53-7	
Toluene-d8 (S)	101	%	70-130		20		09/27/18 18:56	2037-26-5	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE DERF

Pace Project No.: 40176427

Sample: MW-5 **Lab ID: 40176427004** Collected: 09/21/18 12:40 Received: 09/25/18 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.25	ug/L	1.0	0.25	1		09/27/18 17:03	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		09/27/18 17:03	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/27/18 17:03	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		09/27/18 17:03	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		09/27/18 17:03	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		09/27/18 17:03	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		09/27/18 17:03	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		09/27/18 17:03	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		09/27/18 17:03	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		09/27/18 17:03	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		09/27/18 17:03	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		09/27/18 17:03	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		09/27/18 17:03	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		09/27/18 17:03	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		09/27/18 17:03	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		09/27/18 17:03	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		09/27/18 17:03	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		09/27/18 17:03	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		09/27/18 17:03	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		09/27/18 17:03	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		09/27/18 17:03	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		09/27/18 17:03	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		09/27/18 17:03	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		09/27/18 17:03	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		09/27/18 17:03	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		09/27/18 17:03	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		09/27/18 17:03	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		09/27/18 17:03	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		09/27/18 17:03	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		09/27/18 17:03	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		09/27/18 17:03	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		09/27/18 17:03	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		09/27/18 17:03	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		09/27/18 17:03	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		09/27/18 17:03	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		09/27/18 17:03	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		09/27/18 17:03	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		09/27/18 17:03	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		09/27/18 17:03	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		09/27/18 17:03	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		09/27/18 17:03	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		09/27/18 17:03	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		09/27/18 17:03	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		09/27/18 17:03	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		09/27/18 17:03	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		09/27/18 17:03	630-20-6	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE DERF

Pace Project No.: 40176427

Sample: MW-5 **Lab ID: 40176427004** Collected: 09/21/18 12:40 Received: 09/25/18 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		09/27/18 17:03	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		09/27/18 17:03	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		09/27/18 17:03	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		09/27/18 17:03	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/27/18 17:03	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		09/27/18 17:03	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		09/27/18 17:03	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		09/27/18 17:03	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		09/27/18 17:03	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		09/27/18 17:03	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		09/27/18 17:03	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		09/27/18 17:03	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/27/18 17:03	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		09/27/18 17:03	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		09/27/18 17:03	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		09/27/18 17:03	460-00-4	
Dibromofluoromethane (S)	115	%	70-130		1		09/27/18 17:03	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		09/27/18 17:03	2037-26-5	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE DERF

Pace Project No.: 40176427

Sample: MW-6 **Lab ID: 40176427005** Collected: 09/21/18 13:05 Received: 09/25/18 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.25	ug/L	1.0	0.25	1		09/27/18 17:26	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		09/27/18 17:26	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/27/18 17:26	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		09/27/18 17:26	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		09/27/18 17:26	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		09/27/18 17:26	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		09/27/18 17:26	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		09/27/18 17:26	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		09/27/18 17:26	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		09/27/18 17:26	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		09/27/18 17:26	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		09/27/18 17:26	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		09/27/18 17:26	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		09/27/18 17:26	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		09/27/18 17:26	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		09/27/18 17:26	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		09/27/18 17:26	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		09/27/18 17:26	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		09/27/18 17:26	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		09/27/18 17:26	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		09/27/18 17:26	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		09/27/18 17:26	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		09/27/18 17:26	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		09/27/18 17:26	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		09/27/18 17:26	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		09/27/18 17:26	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		09/27/18 17:26	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		09/27/18 17:26	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		09/27/18 17:26	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		09/27/18 17:26	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		09/27/18 17:26	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		09/27/18 17:26	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		09/27/18 17:26	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		09/27/18 17:26	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		09/27/18 17:26	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		09/27/18 17:26	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		09/27/18 17:26	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		09/27/18 17:26	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		09/27/18 17:26	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		09/27/18 17:26	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		09/27/18 17:26	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		09/27/18 17:26	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		09/27/18 17:26	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		09/27/18 17:26	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		09/27/18 17:26	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		09/27/18 17:26	630-20-6	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE DERF

Pace Project No.: 40176427

Sample: MW-6 **Lab ID: 40176427005** Collected: 09/21/18 13:05 Received: 09/25/18 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		09/27/18 17:26	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		09/27/18 17:26	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		09/27/18 17:26	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		09/27/18 17:26	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/27/18 17:26	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		09/27/18 17:26	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		09/27/18 17:26	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		09/27/18 17:26	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		09/27/18 17:26	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		09/27/18 17:26	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		09/27/18 17:26	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		09/27/18 17:26	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/27/18 17:26	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		09/27/18 17:26	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		09/27/18 17:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		09/27/18 17:26	460-00-4	
Dibromofluoromethane (S)	119	%	70-130		1		09/27/18 17:26	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		09/27/18 17:26	2037-26-5	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE DERF

Pace Project No.: 40176427

Sample: DUPLICATE **Lab ID: 40176427006** Collected: 09/21/18 00:00 Received: 09/25/18 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		09/27/18 17:49	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		09/27/18 17:49	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/27/18 17:49	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		09/27/18 17:49	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		09/27/18 17:49	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		09/27/18 17:49	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		09/27/18 17:49	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		09/27/18 17:49	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		09/27/18 17:49	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		09/27/18 17:49	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		09/27/18 17:49	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		09/27/18 17:49	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		09/27/18 17:49	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		09/27/18 17:49	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		09/27/18 17:49	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		09/27/18 17:49	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		09/27/18 17:49	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		09/27/18 17:49	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		09/27/18 17:49	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		09/27/18 17:49	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		09/27/18 17:49	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		09/27/18 17:49	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		09/27/18 17:49	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		09/27/18 17:49	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		09/27/18 17:49	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		09/27/18 17:49	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		09/27/18 17:49	75-35-4	
cis-1,2-Dichloroethene	0.59J	ug/L	1.0	0.27	1		09/27/18 17:49	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		09/27/18 17:49	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		09/27/18 17:49	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		09/27/18 17:49	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		09/27/18 17:49	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		09/27/18 17:49	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		09/27/18 17:49	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		09/27/18 17:49	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		09/27/18 17:49	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		09/27/18 17:49	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		09/27/18 17:49	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		09/27/18 17:49	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		09/27/18 17:49	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		09/27/18 17:49	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		09/27/18 17:49	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		09/27/18 17:49	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		09/27/18 17:49	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		09/27/18 17:49	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		09/27/18 17:49	630-20-6	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE DERF

Pace Project No.: 40176427

Sample: DUPLICATE **Lab ID: 40176427006** Collected: 09/21/18 00:00 Received: 09/25/18 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		09/27/18 17:49	79-34-5	
Tetrachloroethene	5.7	ug/L	1.1	0.33	1		09/27/18 17:49	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		09/27/18 17:49	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		09/27/18 17:49	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/27/18 17:49	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		09/27/18 17:49	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		09/27/18 17:49	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		09/27/18 17:49	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		09/27/18 17:49	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		09/27/18 17:49	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		09/27/18 17:49	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		09/27/18 17:49	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/27/18 17:49	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		09/27/18 17:49	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		09/27/18 17:49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		09/27/18 17:49	460-00-4	
Dibromofluoromethane (S)	114	%	70-130		1		09/27/18 17:49	1868-53-7	
Toluene-d8 (S)	106	%	70-130		1		09/27/18 17:49	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 24413 MILWAUKEE FABRICARE DERF

Pace Project No.: 40176427

QC Batch: 301385 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
 Associated Lab Samples: 40176427001, 40176427003, 40176427004, 40176427005, 40176427006

METHOD BLANK: 1760373 Matrix: Water
 Associated Lab Samples: 40176427001, 40176427003, 40176427004, 40176427005, 40176427006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	09/27/18 09:54	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	09/27/18 09:54	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	09/27/18 09:54	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	09/27/18 09:54	
1,1-Dichloroethane	ug/L	<0.27	1.0	09/27/18 09:54	
1,1-Dichloroethene	ug/L	<0.24	1.0	09/27/18 09:54	
1,1-Dichloropropene	ug/L	<0.54	1.8	09/27/18 09:54	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	09/27/18 09:54	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	09/27/18 09:54	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	09/27/18 09:54	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	09/27/18 09:54	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	09/27/18 09:54	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	09/27/18 09:54	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	09/27/18 09:54	
1,2-Dichloroethane	ug/L	<0.28	1.0	09/27/18 09:54	
1,2-Dichloropropane	ug/L	<0.28	1.0	09/27/18 09:54	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	09/27/18 09:54	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	09/27/18 09:54	
1,3-Dichloropropane	ug/L	<0.83	2.8	09/27/18 09:54	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	09/27/18 09:54	
2,2-Dichloropropane	ug/L	<2.3	7.6	09/27/18 09:54	
2-Chlorotoluene	ug/L	<0.93	5.0	09/27/18 09:54	
4-Chlorotoluene	ug/L	<0.76	2.5	09/27/18 09:54	
Benzene	ug/L	<0.25	1.0	09/27/18 09:54	
Bromobenzene	ug/L	<0.24	1.0	09/27/18 09:54	
Bromochloromethane	ug/L	<0.36	5.0	09/27/18 09:54	
Bromodichloromethane	ug/L	<0.36	1.2	09/27/18 09:54	
Bromoform	ug/L	<4.0	13.2	09/27/18 09:54	
Bromomethane	ug/L	<0.97	5.0	09/27/18 09:54	
Carbon tetrachloride	ug/L	<0.17	1.0	09/27/18 09:54	
Chlorobenzene	ug/L	<0.71	2.4	09/27/18 09:54	
Chloroethane	ug/L	<1.3	5.0	09/27/18 09:54	
Chloroform	ug/L	<1.3	5.0	09/27/18 09:54	
Chloromethane	ug/L	<2.2	7.3	09/27/18 09:54	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	09/27/18 09:54	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	09/27/18 09:54	
Dibromochloromethane	ug/L	<2.6	8.7	09/27/18 09:54	
Dibromomethane	ug/L	<0.94	3.1	09/27/18 09:54	
Dichlorodifluoromethane	ug/L	<0.50	5.0	09/27/18 09:54	
Diisopropyl ether	ug/L	<1.9	6.3	09/27/18 09:54	
Ethylbenzene	ug/L	<0.22	1.0	09/27/18 09:54	

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QUALITY CONTROL DATA

Project: 24413 MILWAUKEE FABRICARE DERF

Pace Project No.: 40176427

METHOD BLANK: 1760373

Matrix: Water

Associated Lab Samples: 40176427001, 40176427003, 40176427004, 40176427005, 40176427006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	09/27/18 09:54	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	09/27/18 09:54	
m&p-Xylene	ug/L	<0.47	2.0	09/27/18 09:54	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	09/27/18 09:54	
Methylene Chloride	ug/L	<0.58	5.0	09/27/18 09:54	
n-Butylbenzene	ug/L	<0.71	2.4	09/27/18 09:54	
n-Propylbenzene	ug/L	<0.81	5.0	09/27/18 09:54	
Naphthalene	ug/L	<1.2	5.0	09/27/18 09:54	
o-Xylene	ug/L	<0.26	1.0	09/27/18 09:54	
p-Isopropyltoluene	ug/L	<0.80	2.7	09/27/18 09:54	
sec-Butylbenzene	ug/L	<0.85	5.0	09/27/18 09:54	
Styrene	ug/L	<0.47	1.6	09/27/18 09:54	
tert-Butylbenzene	ug/L	<0.30	1.0	09/27/18 09:54	
Tetrachloroethene	ug/L	<0.33	1.1	09/27/18 09:54	
Toluene	ug/L	<0.17	5.0	09/27/18 09:54	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	09/27/18 09:54	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	09/27/18 09:54	
Trichloroethene	ug/L	<0.26	1.0	09/27/18 09:54	
Trichlorofluoromethane	ug/L	<0.21	1.0	09/27/18 09:54	
Vinyl chloride	ug/L	<0.17	1.0	09/27/18 09:54	
4-Bromofluorobenzene (S)	%	87	70-130	09/27/18 09:54	
Dibromofluoromethane (S)	%	106	70-130	09/27/18 09:54	
Toluene-d8 (S)	%	106	70-130	09/27/18 09:54	

LABORATORY CONTROL SAMPLE: 1760374

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.1	108	70-133	
1,1,1,2-Tetrachloroethane	ug/L	50	51.8	104	67-130	
1,1,2-Trichloroethane	ug/L	50	53.5	107	70-130	
1,1-Dichloroethane	ug/L	50	50.2	100	70-134	
1,1-Dichloroethene	ug/L	50	59.6	119	75-132	
1,2,4-Trichlorobenzene	ug/L	50	48.8	98	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	50.4	101	60-126	
1,2-Dibromoethane (EDB)	ug/L	50	51.8	104	70-130	
1,2-Dichlorobenzene	ug/L	50	53.5	107	70-130	
1,2-Dichloroethane	ug/L	50	52.1	104	73-134	
1,2-Dichloropropane	ug/L	50	52.9	106	79-128	
1,3-Dichlorobenzene	ug/L	50	52.9	106	70-130	
1,4-Dichlorobenzene	ug/L	50	54.6	109	70-130	
Benzene	ug/L	50	49.3	99	69-137	
Bromodichloromethane	ug/L	50	51.3	103	70-130	
Bromoform	ug/L	50	53.1	106	64-133	
Bromomethane	ug/L	50	34.6	69	29-123	

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QUALITY CONTROL DATA

Project: 24413 MILWAUKEE FABRICARE DERF

Pace Project No.: 40176427

LABORATORY CONTROL SAMPLE: 1760374

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	56.6	113	73-142	
Chlorobenzene	ug/L	50	54.8	110	70-130	
Chloroethane	ug/L	50	51.7	103	59-133	
Chloroform	ug/L	50	50.5	101	80-129	
Chloromethane	ug/L	50	31.3	63	27-125	
cis-1,2-Dichloroethene	ug/L	50	42.3	85	70-134	
cis-1,3-Dichloropropene	ug/L	50	49.9	100	70-130	
Dibromochloromethane	ug/L	50	56.2	112	70-130	
Dichlorodifluoromethane	ug/L	50	22.7	45	12-127	
Ethylbenzene	ug/L	50	54.4	109	86-127	
Isopropylbenzene (Cumene)	ug/L	50	54.9	110	70-130	
m&p-Xylene	ug/L	100	115	115	70-131	
Methyl-tert-butyl ether	ug/L	50	44.5	89	65-136	
Methylene Chloride	ug/L	50	58.1	116	72-133	
o-Xylene	ug/L	50	55.9	112	70-130	
Styrene	ug/L	50	58.1	116	70-130	
Tetrachloroethene	ug/L	50	57.2	114	70-130	
Toluene	ug/L	50	56.0	112	84-124	
trans-1,2-Dichloroethene	ug/L	50	49.4	99	70-133	
trans-1,3-Dichloropropene	ug/L	50	57.0	114	67-130	
Trichloroethene	ug/L	50	52.9	106	70-130	
Trichlorofluoromethane	ug/L	50	59.4	119	69-147	
Vinyl chloride	ug/L	50	47.1	94	48-134	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			105	70-130	
Toluene-d8 (S)	%			107	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1760658 1760659

Parameter	Units	40176508024		MSD		MSD		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
1,1,1-Trichloroethane	ug/L	<0.24	50	50	56.0	55.0	112	110	70-136	2	20			
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	48.5	51.3	97	103	67-133	6	20			
1,1,2-Trichloroethane	ug/L	<0.55	50	50	53.1	54.8	106	110	70-130	3	20			
1,1-Dichloroethane	ug/L	<0.27	50	50	51.0	51.3	102	103	70-139	1	20			
1,1-Dichloroethene	ug/L	<0.24	50	50	65.6	61.6	131	123	72-137	6	20			
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	46.9	49.0	94	98	68-130	4	20			
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	47.6	51.1	95	102	60-130	7	21			
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	50.6	52.9	101	106	70-130	4	20			
1,2-Dichlorobenzene	ug/L	<0.71	50	50	50.6	52.2	101	104	70-130	3	20			
1,2-Dichloroethane	ug/L	<0.28	50	50	53.2	52.2	106	104	71-137	2	20			
1,2-Dichloropropane	ug/L	<0.28	50	50	53.2	53.8	106	108	78-130	1	20			
1,3-Dichlorobenzene	ug/L	<0.63	50	50	49.9	51.2	100	102	70-130	2	20			
1,4-Dichlorobenzene	ug/L	<0.94	50	50	52.8	54.5	106	109	70-130	3	20			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 24413 MILWAUKEE FABRICARE DERF

Pace Project No.: 40176427

Parameter	Units	40176508024		1760658		1760659		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
Benzene	ug/L	<0.25	50	50	50.1	49.4	100	99	66-143	1	20		
Bromodichloromethane	ug/L	<0.36	50	50	51.3	51.9	103	104	70-130	1	20		
Bromoform	ug/L	<4.0	50	50	52.1	54.6	104	109	64-134	5	20		
Bromomethane	ug/L	<0.97	50	50	36.4	41.5	73	83	29-136	13	25		
Carbon tetrachloride	ug/L	<0.17	50	50	56.9	57.0	114	114	73-142	0	20		
Chlorobenzene	ug/L	<0.71	50	50	54.7	55.5	109	111	70-130	2	20		
Chloroethane	ug/L	<1.3	50	50	53.2	55.6	106	111	58-138	4	20		
Chloroform	ug/L	<1.3	50	50	51.8	50.9	104	102	80-131	2	20		
Chloromethane	ug/L	<2.2	50	50	32.8	34.0	66	68	24-125	4	20		
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	43.8	44.5	88	89	68-137	2	22		
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	49.1	50.2	98	100	70-130	2	20		
Dibromochloromethane	ug/L	<2.6	50	50	55.7	57.3	111	115	70-131	3	20		
Dichlorodifluoromethane	ug/L	<0.50	50	50	22.1	24.0	44	48	10-127	8	20		
Ethylbenzene	ug/L	<0.22	50	50	54.5	55.7	109	111	81-136	2	20		
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	54.1	56.8	108	114	70-132	5	20		
m&p-Xylene	ug/L	<0.47	100	100	116	119	116	119	70-135	3	20		
Methyl-tert-butyl ether	ug/L	<1.2	50	50	45.3	46.5	91	93	58-142	3	23		
Methylene Chloride	ug/L	<0.58	50	50	59.8	59.1	119	117	69-137	1	20		
o-Xylene	ug/L	<0.26	50	50	55.0	57.4	110	115	70-132	4	20		
Styrene	ug/L	<0.47	50	50	56.6	58.9	113	118	70-130	4	20		
Tetrachloroethene	ug/L	<0.33	50	50	56.2	57.9	112	116	70-132	3	20		
Toluene	ug/L	<0.17	50	50	55.6	57.3	111	115	81-130	3	20		
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	49.6	50.5	99	101	70-136	2	20		
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	57.0	58.7	114	117	67-130	3	20		
Trichloroethene	ug/L	<0.26	50	50	51.8	52.2	104	104	70-131	1	20		
Trichlorofluoromethane	ug/L	<0.21	50	50	60.5	60.3	121	121	66-150	0	20		
Vinyl chloride	ug/L	<0.17	50	50	45.4	46.4	91	93	46-134	2	20		
4-Bromofluorobenzene (S)	%						99	101	70-130				
Dibromofluoromethane (S)	%						106	104	70-130				
Toluene-d8 (S)	%						109	110	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 24413 MILWAUKEE FABRICARE DERF
Pace Project No.: 40176427

QC Batch: 301560 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40176427002

METHOD BLANK: 1761409 Matrix: Water
Associated Lab Samples: 40176427002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	09/27/18 09:22	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	09/27/18 09:22	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	09/27/18 09:22	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	09/27/18 09:22	
1,1-Dichloroethane	ug/L	<0.27	1.0	09/27/18 09:22	
1,1-Dichloroethene	ug/L	<0.24	1.0	09/27/18 09:22	
1,1-Dichloropropene	ug/L	<0.54	1.8	09/27/18 09:22	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	09/27/18 09:22	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	09/27/18 09:22	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	09/27/18 09:22	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	09/27/18 09:22	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	09/27/18 09:22	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	09/27/18 09:22	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	09/27/18 09:22	
1,2-Dichloroethane	ug/L	<0.28	1.0	09/27/18 09:22	
1,2-Dichloropropane	ug/L	<0.28	1.0	09/27/18 09:22	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	09/27/18 09:22	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	09/27/18 09:22	
1,3-Dichloropropane	ug/L	<0.83	2.8	09/27/18 09:22	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	09/27/18 09:22	
2,2-Dichloropropane	ug/L	<2.3	7.6	09/27/18 09:22	
2-Chlorotoluene	ug/L	<0.93	5.0	09/27/18 09:22	
4-Chlorotoluene	ug/L	<0.76	2.5	09/27/18 09:22	
Benzene	ug/L	<0.25	1.0	09/27/18 09:22	
Bromobenzene	ug/L	<0.24	1.0	09/27/18 09:22	
Bromochloromethane	ug/L	<0.36	5.0	09/27/18 09:22	
Bromodichloromethane	ug/L	<0.36	1.2	09/27/18 09:22	
Bromoform	ug/L	<4.0	13.2	09/27/18 09:22	
Bromomethane	ug/L	<0.97	5.0	09/27/18 09:22	
Carbon tetrachloride	ug/L	<0.17	1.0	09/27/18 09:22	
Chlorobenzene	ug/L	<0.71	2.4	09/27/18 09:22	
Chloroethane	ug/L	<1.3	5.0	09/27/18 09:22	
Chloroform	ug/L	<1.3	5.0	09/27/18 09:22	
Chloromethane	ug/L	<2.2	7.3	09/27/18 09:22	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	09/27/18 09:22	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	09/27/18 09:22	
Dibromochloromethane	ug/L	<2.6	8.7	09/27/18 09:22	
Dibromomethane	ug/L	<0.94	3.1	09/27/18 09:22	
Dichlorodifluoromethane	ug/L	<0.50	5.0	09/27/18 09:22	
Diisopropyl ether	ug/L	<1.9	6.3	09/27/18 09:22	
Ethylbenzene	ug/L	<0.22	1.0	09/27/18 09:22	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 24413 MILWAUKEE FABRICARE DERF

Pace Project No.: 40176427

METHOD BLANK: 1761409

Matrix: Water

Associated Lab Samples: 40176427002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	09/27/18 09:22	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	09/27/18 09:22	
m&p-Xylene	ug/L	<0.47	2.0	09/27/18 09:22	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	09/27/18 09:22	
Methylene Chloride	ug/L	<0.58	5.0	09/27/18 09:22	
n-Butylbenzene	ug/L	<0.71	2.4	09/27/18 09:22	
n-Propylbenzene	ug/L	<0.81	5.0	09/27/18 09:22	
Naphthalene	ug/L	<1.2	5.0	09/27/18 09:22	
o-Xylene	ug/L	<0.26	1.0	09/27/18 09:22	
p-Isopropyltoluene	ug/L	<0.80	2.7	09/27/18 09:22	
sec-Butylbenzene	ug/L	<0.85	5.0	09/27/18 09:22	
Styrene	ug/L	<0.47	1.6	09/27/18 09:22	
tert-Butylbenzene	ug/L	<0.30	1.0	09/27/18 09:22	
Tetrachloroethene	ug/L	<0.33	1.1	09/27/18 09:22	
Toluene	ug/L	<0.17	5.0	09/27/18 09:22	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	09/27/18 09:22	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	09/27/18 09:22	
Trichloroethene	ug/L	<0.26	1.0	09/27/18 09:22	
Trichlorofluoromethane	ug/L	<0.21	1.0	09/27/18 09:22	
Vinyl chloride	ug/L	<0.17	1.0	09/27/18 09:22	
4-Bromofluorobenzene (S)	%	98	70-130	09/27/18 09:22	
Dibromofluoromethane (S)	%	99	70-130	09/27/18 09:22	
Toluene-d8 (S)	%	100	70-130	09/27/18 09:22	

LABORATORY CONTROL SAMPLE: 1761410

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.6	99	70-133	
1,1,2,2-Tetrachloroethane	ug/L	50	48.1	96	67-130	
1,1,2-Trichloroethane	ug/L	50	49.4	99	70-130	
1,1-Dichloroethane	ug/L	50	50.2	100	70-134	
1,1-Dichloroethene	ug/L	50	48.1	96	75-132	
1,2,4-Trichlorobenzene	ug/L	50	50.7	101	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	42.7	85	60-126	
1,2-Dibromoethane (EDB)	ug/L	50	51.6	103	70-130	
1,2-Dichlorobenzene	ug/L	50	51.0	102	70-130	
1,2-Dichloroethane	ug/L	50	48.9	98	73-134	
1,2-Dichloropropane	ug/L	50	48.4	97	79-128	
1,3-Dichlorobenzene	ug/L	50	51.4	103	70-130	
1,4-Dichlorobenzene	ug/L	50	49.6	99	70-130	
Benzene	ug/L	50	51.8	104	69-137	
Bromodichloromethane	ug/L	50	47.8	96	70-130	
Bromoform	ug/L	50	42.9	86	64-133	
Bromomethane	ug/L	50	25.2	50	29-123	

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QUALITY CONTROL DATA

Project: 24413 MILWAUKEE FABRICARE DERF
Pace Project No.: 40176427

LABORATORY CONTROL SAMPLE: 1761410

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	45.3	91	73-142	
Chlorobenzene	ug/L	50	51.9	104	70-130	
Chloroethane	ug/L	50	39.6	79	59-133	
Chloroform	ug/L	50	49.3	99	80-129	
Chloromethane	ug/L	50	28.6	57	27-125	
cis-1,2-Dichloroethene	ug/L	50	50.4	101	70-134	
cis-1,3-Dichloropropene	ug/L	50	43.8	88	70-130	
Dibromochloromethane	ug/L	50	51.7	103	70-130	
Dichlorodifluoromethane	ug/L	50	20.2	40	12-127	
Ethylbenzene	ug/L	50	52.9	106	86-127	
Isopropylbenzene (Cumene)	ug/L	50	53.3	107	70-130	
m&p-Xylene	ug/L	100	108	108	70-131	
Methyl-tert-butyl ether	ug/L	50	46.2	92	65-136	
Methylene Chloride	ug/L	50	48.5	97	72-133	
o-Xylene	ug/L	50	51.9	104	70-130	
Styrene	ug/L	50	52.0	104	70-130	
Tetrachloroethene	ug/L	50	50.0	100	70-130	
Toluene	ug/L	50	52.1	104	84-124	
trans-1,2-Dichloroethene	ug/L	50	49.2	98	70-133	
trans-1,3-Dichloropropene	ug/L	50	42.4	85	67-130	
Trichloroethene	ug/L	50	51.7	103	70-130	
Trichlorofluoromethane	ug/L	50	48.4	97	69-147	
Vinyl chloride	ug/L	50	36.6	73	48-134	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			98	70-130	
Toluene-d8 (S)	%			100	70-130	

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QUALIFIERS

Project: 24413 MILWAUKEE FABRICARE DERF

Pace Project No.: 40176427

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.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 24413 MILWAUKEE FABRICARE DERF

Pace Project No.: 40176427

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40176427001	MW-1	EPA 8260	301385		
40176427002	MW-3	EPA 8260	301560		
40176427003	MW-4	EPA 8260	301385		
40176427004	MW-5	EPA 8260	301385		
40176427005	MW-6	EPA 8260	301385		
40176427006	DUPLICATE	EPA 8260	301385		

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

CHAIN OF CUSTODY

Handwritten initials

40176407

Company Name: **KPRG and Assoc.**
 Branch/Location: **Brookfield, WI**
 Project Contact: **Richard Gnat**
 Phone: **262-381-0475**
 Project Number: **24413**
 Project Name: **Milwaukee Fabricare DEF**
 Project State: **WI**
 Sampled By (Print): **Erin Bulson + Mitch Dolan**
 Sampled By (Sign): *Erin Bulson*
 PO #:

Regulatory Program:
 Matrix Codes:
 A = Air B = Biota W = Water
 C = Charcoal DW = Drinking Water
 O = Oil G = Ground Water
 S = Soil SW = Surface Water
 SI = Sludge WIP = Waste Water
 WIP = Waste
 FILTERED? (YES/NO)
 PRESERVATION (CODE)

Quote #:
 Mail To Contact: **Richard Gnat**
 Mail To Company: **KPRG and Assoc. Inc.**
 Mail To Address: **14445 W. Wilson Rd #1A Brookfield, WI 53005**
 Invoice To Contact: **Rich Gnat**
 Invoice To Company: **KPRG and Assoc.**
 Invoice To Address: **14445 W. Wilson Rd #1A Brookfield, WI 53005**
 Invoice To Phone: **262-381-0475**
 CLIENT COMMENTS: **LAB COMMENTS (Lab Use Only)**
 Profile #

PAGE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Analyses Requested	Y/N	Pick Label	Date/Time	Received By	Date/Time	Received By	Date/Time	Receipt Temp =	Sample Receipt pH	Cooler Custody Seal Present / Not Present
		DATE	TIME												
001	MW-2	9-21	1120	GW	VOC's	N	B	9-24-13 10:55	Ray Janni	9/24/13 10:55	Ray Janni	9/24/13 10:55	5	OK/Adjusted	Present / Not Present
002	MW-3	9-21	1200	GW		X									
003	MW-4	9-21	1230	GW		X									
004	MW-5	9-21	1300	GW		X									
005	MW-6	9-21	1410	GW		X									
006	Duplicate	9-21	-	GW		X									

Client Name: _____

KPL

Sample Preservation Receipt Form

Project #

4076407

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

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

Lab Lot# of pH paper: _____

Lab Std #ID of preservation (if pH adjusted): _____

Initial when completed: _____

Date/Time: _____

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	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU							
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	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:
1 liter amber glass	1 liter amber glass HCl	125 ml amber glass H2SO4	120 ml amber glass unpres	100 ml amber glass unpres	500 ml amber glass H2SO4	250 ml clear glass unpres	1 liter plastic unpres	500 ml plastic HNO3	500 ml plastic NaOH, Znact	250 ml plastic unpres	250 ml plastic NaOH	250 ml plastic HNO3	250 ml plastic H2SO4	40 ml amber ascorbic	40 ml amber Na Thio	40 ml clear vial unpres	40 ml clear vial HCl	40 ml clear vial MeOH	40 ml clear vial DI	4 oz amber jar unpres	4 oz clear jar unpres	4 oz plastic jar unpres	120 ml plastic Na Thiosulfate	ziploc bag	



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)

Client Name: KPRG

Project #:

WO#: 40176427

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



Tracking #: _____

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

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

Packing Material: Bubble Wrap Bubble Bags None Other like melt only

Thermometer Used SR-75 Type of Ice: Wet Blue Dry None Samples of ice, cooling process has begun

Cooler Temperature Uncorr: 5 /ICorr: 5

Temp Blank Present: yes no

Biological Tissue is Frozen: yes no

Person examining contents:
 Date: 9/25/18
 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		<u>per pm - IDs & times on labels are correct not COC ① 9/25/18</u>
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: ① 001-MW-1-1345, 002-MW-3-772 - 9/20 date, 003-1215, 004-1240/no date, 005-1305, 9/25/18

Project Manager Review: [Signature]

Date: 9/25/18

April 01, 2019

Rich Gnat
KPRG and Associates, Inc.
14665 W. Lisbon Rd.
Suite 2B
Brookfield, WI 53005

RE: Project: 24413 MILWAUKEE FABRICARE
Pace Project No.: 40184487

Dear Rich Gnat:

Enclosed are the analytical results for sample(s) received by the laboratory on March 21, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



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

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40184487

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: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40184487

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40184487001	MW-1	Water	03/19/19 10:20	03/21/19 09:30
40184487002	MW-3	Water	03/19/19 09:40	03/21/19 09:30
40184487003	MW-4	Water	03/19/19 11:00	03/21/19 09:30
40184487004	MW-6	Water	03/19/19 11:55	03/21/19 09:30
40184487005	DUPLICATE	Water	03/19/19 00:00	03/21/19 09:30

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SAMPLE ANALYTE COUNT

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40184487

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40184487001	MW-1	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	ALD	64	PASI-G
		SM 4500-S F (2000)	DEY	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40184487002	MW-3	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	ALD	64	PASI-G
		SM 4500-S F (2000)	DEY	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40184487003	MW-4	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	ALD	64	PASI-G
		SM 4500-S F (2000)	DEY	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40184487004	MW-6	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	ALD	64	PASI-G
		SM 4500-S F (2000)	DEY	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40184487005	DUPLICATE	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	ALD	64	PASI-G
		SM 4500-S F (2000)	DEY	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		SM 5310C	TJJ	1	PASI-G

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40184487

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40184487001	MW-1					
EPA 8015B Modified	Methane	26.1	ug/L	2.8	03/27/19 09:04	
EPA 8260	cis-1,2-Dichloroethene	0.51J	ug/L	1.0	03/25/19 13:31	
EPA 8260	Tetrachloroethene	0.49J	ug/L	1.1	03/25/19 13:31	
SM 4500-S F (2000)	Sulfide	1.8J	mg/L	4.0	03/25/19 11:22	R1
EPA 300.0	Sulfate	78.2	mg/L	15.0	03/21/19 10:07	
SM 5310C	Total Organic Carbon	3.3	mg/L	2.5	03/26/19 00:59	
40184487002	MW-3					
EPA 8015B Modified	Methane	12900	ug/L	140	03/27/19 12:33	
EPA 8260	cis-1,2-Dichloroethene	0.77J	ug/L	1.0	03/25/19 12:01	
EPA 300.0	Sulfate	5.6J	mg/L	15.0	03/21/19 11:00	D3,M0
SM 5310C	Total Organic Carbon	9.2	mg/L	8.4	03/26/19 01:20	
40184487003	MW-4					
EPA 8015B Modified	Methane	6.5	ug/L	2.8	03/27/19 09:17	
EPA 8260	cis-1,2-Dichloroethene	39.7	ug/L	1.0	03/25/19 13:54	
EPA 8260	trans-1,2-Dichloroethene	1.4J	ug/L	3.6	03/25/19 13:54	
EPA 8260	Tetrachloroethene	2650	ug/L	43.5	03/26/19 11:21	
EPA 8260	Trichloroethene	37.2	ug/L	1.0	03/25/19 13:54	
EPA 8260	Vinyl chloride	1.5	ug/L	1.0	03/25/19 13:54	
EPA 300.0	Nitrate as N	10.7	mg/L	1.1	03/21/19 10:20	
EPA 300.0	Sulfate	104	mg/L	15.0	03/21/19 10:20	
SM 5310C	Total Organic Carbon	0.27J	mg/L	0.84	03/26/19 01:41	
40184487004	MW-6					
EPA 300.0	Nitrate as N	2.4	mg/L	1.1	03/21/19 10:47	
EPA 300.0	Sulfate	15.3	mg/L	15.0	03/21/19 10:47	
SM 5310C	Total Organic Carbon	10.6	mg/L	8.4	03/26/19 02:02	
40184487005	DUPLICATE					
EPA 8015B Modified	Methane	3.4	ug/L	2.8	03/27/19 09:31	
EPA 8260	cis-1,2-Dichloroethene	33.0	ug/L	1.0	03/25/19 14:39	
EPA 8260	trans-1,2-Dichloroethene	1.2J	ug/L	3.6	03/25/19 14:39	
EPA 8260	Tetrachloroethene	2450	ug/L	43.5	03/26/19 11:43	
EPA 8260	Trichloroethene	37.8	ug/L	1.0	03/25/19 14:39	
EPA 8260	Vinyl chloride	1.0	ug/L	1.0	03/25/19 14:39	
EPA 300.0	Nitrate as N	10.6	mg/L	1.1	03/21/19 10:33	H1
EPA 300.0	Sulfate	103	mg/L	15.0	03/21/19 10:33	
SM 5310C	Total Organic Carbon	0.26J	mg/L	0.84	03/26/19 02:23	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Sample Project No.: 40184487

Sample: MW-1 **Lab ID: 40184487001** Collected: 03/19/19 10:20 Received: 03/21/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	<0.58	ug/L	5.6	0.58	1		03/27/19 09:04	74-84-0	
Ethene	<0.52	ug/L	5.0	0.52	1		03/27/19 09:04	74-85-1	
Methane	26.1	ug/L	2.8	1.4	1		03/27/19 09:04	74-82-8	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		03/25/19 13:31	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		03/25/19 13:31	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		03/25/19 13:31	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		03/25/19 13:31	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		03/25/19 13:31	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		03/25/19 13:31	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		03/25/19 13:31	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		03/25/19 13:31	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		03/25/19 13:31	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		03/25/19 13:31	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		03/25/19 13:31	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		03/25/19 13:31	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		03/25/19 13:31	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		03/25/19 13:31	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		03/25/19 13:31	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		03/25/19 13:31	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		03/25/19 13:31	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		03/25/19 13:31	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		03/25/19 13:31	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		03/25/19 13:31	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		03/25/19 13:31	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		03/25/19 13:31	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		03/25/19 13:31	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		03/25/19 13:31	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/25/19 13:31	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		03/25/19 13:31	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/25/19 13:31	75-35-4	
cis-1,2-Dichloroethene	0.51J	ug/L	1.0	0.27	1		03/25/19 13:31	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		03/25/19 13:31	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		03/25/19 13:31	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		03/25/19 13:31	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		03/25/19 13:31	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		03/25/19 13:31	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		03/25/19 13:31	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		03/25/19 13:31	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		03/25/19 13:31	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		03/25/19 13:31	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		03/25/19 13:31	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		03/25/19 13:31	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		03/25/19 13:31	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		03/25/19 13:31	75-09-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE
Pace Project No.: 40184487

Sample: MW-1 **Lab ID: 40184487001** Collected: 03/19/19 10:20 Received: 03/21/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		03/25/19 13:31	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		03/25/19 13:31	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		03/25/19 13:31	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		03/25/19 13:31	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		03/25/19 13:31	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		03/25/19 13:31	79-34-5	
Tetrachloroethene	0.49J	ug/L	1.1	0.33	1		03/25/19 13:31	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		03/25/19 13:31	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		03/25/19 13:31	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		03/25/19 13:31	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		03/25/19 13:31	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		03/25/19 13:31	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		03/25/19 13:31	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		03/25/19 13:31	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		03/25/19 13:31	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		03/25/19 13:31	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		03/25/19 13:31	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		03/25/19 13:31	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		03/25/19 13:31	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		03/25/19 13:31	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		03/25/19 13:31	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		03/25/19 13:31	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		03/25/19 13:31	2037-26-5	
4500S2F Sulfide, Iodometric Analytical Method: SM 4500-S F (2000)									
Sulfide	1.8J	mg/L	4.0	1.2	1		03/25/19 11:22		R1
300.0 IC Anions Analytical Method: EPA 300.0									
Nitrate as N	<0.38	mg/L	1.1	0.38	5		03/21/19 10:07	14797-55-8	D3
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Sulfate	78.2	mg/L	15.0	5.0	5		03/21/19 10:07	14808-79-8	
5310C TOC Analytical Method: SM 5310C									
Total Organic Carbon	3.3	mg/L	2.5	0.76	3		03/26/19 00:59	7440-44-0	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40184487

Sample: MW-3 **Lab ID: 40184487002** Collected: 03/19/19 09:40 Received: 03/21/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	<0.58	ug/L	5.6	0.58	1		03/27/19 09:11	74-84-0	
Ethene	<0.52	ug/L	5.0	0.52	1		03/27/19 09:11	74-85-1	
Methane	12900	ug/L	140	68.5	50		03/27/19 12:33	74-82-8	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		03/25/19 12:01	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		03/25/19 12:01	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		03/25/19 12:01	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		03/25/19 12:01	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		03/25/19 12:01	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		03/25/19 12:01	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		03/25/19 12:01	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		03/25/19 12:01	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		03/25/19 12:01	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		03/25/19 12:01	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		03/25/19 12:01	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		03/25/19 12:01	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		03/25/19 12:01	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		03/25/19 12:01	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		03/25/19 12:01	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		03/25/19 12:01	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		03/25/19 12:01	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		03/25/19 12:01	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		03/25/19 12:01	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		03/25/19 12:01	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		03/25/19 12:01	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		03/25/19 12:01	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		03/25/19 12:01	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		03/25/19 12:01	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/25/19 12:01	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		03/25/19 12:01	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/25/19 12:01	75-35-4	
cis-1,2-Dichloroethene	0.77J	ug/L	1.0	0.27	1		03/25/19 12:01	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		03/25/19 12:01	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		03/25/19 12:01	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		03/25/19 12:01	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		03/25/19 12:01	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		03/25/19 12:01	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		03/25/19 12:01	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		03/25/19 12:01	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		03/25/19 12:01	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		03/25/19 12:01	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		03/25/19 12:01	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		03/25/19 12:01	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		03/25/19 12:01	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		03/25/19 12:01	75-09-2	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40184487

Sample: MW-3 **Lab ID: 40184487002** Collected: 03/19/19 09:40 Received: 03/21/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		03/25/19 12:01	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		03/25/19 12:01	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		03/25/19 12:01	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		03/25/19 12:01	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		03/25/19 12:01	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		03/25/19 12:01	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		03/25/19 12:01	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		03/25/19 12:01	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		03/25/19 12:01	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		03/25/19 12:01	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		03/25/19 12:01	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		03/25/19 12:01	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		03/25/19 12:01	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		03/25/19 12:01	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		03/25/19 12:01	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		03/25/19 12:01	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		03/25/19 12:01	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		03/25/19 12:01	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		03/25/19 12:01	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		03/25/19 12:01	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		03/25/19 12:01	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		03/25/19 12:01	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		03/25/19 12:01	2037-26-5	
4500S2F Sulfide, Iodometric Analytical Method: SM 4500-S F (2000)									
Sulfide	<1.2	mg/L	4.0	1.2	1		03/25/19 12:16		1q
300.0 IC Anions Analytical Method: EPA 300.0									
Nitrate as N	<0.38	mg/L	1.1	0.38	5		03/21/19 11:00	14797-55-8	D3,H1
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Sulfate	5.6J	mg/L	15.0	5.0	5		03/21/19 11:00	14808-79-8	D3,M0
5310C TOC Analytical Method: SM 5310C									
Total Organic Carbon	9.2	mg/L	8.4	2.5	10		03/26/19 01:20	7440-44-0	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Sample Project No.: 40184487

Sample: MW-4 **Lab ID: 40184487003** Collected: 03/19/19 11:00 Received: 03/21/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	<0.58	ug/L	5.6	0.58	1		03/27/19 09:17	74-84-0	
Ethene	<0.52	ug/L	5.0	0.52	1		03/27/19 09:17	74-85-1	
Methane	6.5	ug/L	2.8	1.4	1		03/27/19 09:17	74-82-8	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		03/25/19 13:54	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		03/25/19 13:54	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		03/25/19 13:54	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		03/25/19 13:54	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		03/25/19 13:54	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		03/25/19 13:54	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		03/25/19 13:54	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		03/25/19 13:54	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		03/25/19 13:54	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		03/25/19 13:54	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		03/25/19 13:54	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		03/25/19 13:54	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		03/25/19 13:54	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		03/25/19 13:54	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		03/25/19 13:54	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		03/25/19 13:54	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		03/25/19 13:54	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		03/25/19 13:54	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		03/25/19 13:54	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		03/25/19 13:54	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		03/25/19 13:54	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		03/25/19 13:54	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		03/25/19 13:54	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		03/25/19 13:54	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/25/19 13:54	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		03/25/19 13:54	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/25/19 13:54	75-35-4	
cis-1,2-Dichloroethene	39.7	ug/L	1.0	0.27	1		03/25/19 13:54	156-59-2	
trans-1,2-Dichloroethene	1.4J	ug/L	3.6	1.1	1		03/25/19 13:54	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		03/25/19 13:54	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		03/25/19 13:54	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		03/25/19 13:54	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		03/25/19 13:54	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		03/25/19 13:54	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		03/25/19 13:54	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		03/25/19 13:54	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		03/25/19 13:54	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		03/25/19 13:54	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		03/25/19 13:54	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		03/25/19 13:54	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		03/25/19 13:54	75-09-2	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40184487

Sample: MW-4 **Lab ID: 40184487003** Collected: 03/19/19 11:00 Received: 03/21/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		03/25/19 13:54	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		03/25/19 13:54	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		03/25/19 13:54	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		03/25/19 13:54	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		03/25/19 13:54	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		03/25/19 13:54	79-34-5	
Tetrachloroethene	2650	ug/L	43.5	13.1	40		03/26/19 11:21	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		03/25/19 13:54	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		03/25/19 13:54	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		03/25/19 13:54	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		03/25/19 13:54	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		03/25/19 13:54	79-00-5	
Trichloroethene	37.2	ug/L	1.0	0.26	1		03/25/19 13:54	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		03/25/19 13:54	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		03/25/19 13:54	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		03/25/19 13:54	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		03/25/19 13:54	108-67-8	
Vinyl chloride	1.5	ug/L	1.0	0.17	1		03/25/19 13:54	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		03/25/19 13:54	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		03/25/19 13:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		03/25/19 13:54	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		03/25/19 13:54	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		03/25/19 13:54	2037-26-5	
4500S2F Sulfide, Iodometric Analytical Method: SM 4500-S F (2000)									
Sulfide	<1.2	mg/L	4.0	1.2	1		03/25/19 11:52		
300.0 IC Anions Analytical Method: EPA 300.0									
Nitrate as N	10.7	mg/L	1.1	0.38	5		03/21/19 10:20	14797-55-8	
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Sulfate	104	mg/L	15.0	5.0	5		03/21/19 10:20	14808-79-8	
5310C TOC Analytical Method: SM 5310C									
Total Organic Carbon	0.27J	mg/L	0.84	0.25	1		03/26/19 01:41	7440-44-0	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE
 Pace Project No.: 40184487

Sample: MW-6 **Lab ID: 40184487004** Collected: 03/19/19 11:55 Received: 03/21/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	<0.58	ug/L	5.6	0.58	1		03/27/19 09:24	74-84-0	
Ethene	<0.52	ug/L	5.0	0.52	1		03/27/19 09:24	74-85-1	
Methane	<1.4	ug/L	2.8	1.4	1		03/27/19 09:24	74-82-8	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		03/26/19 10:58	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		03/26/19 10:58	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		03/26/19 10:58	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		03/26/19 10:58	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		03/26/19 10:58	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		03/26/19 10:58	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		03/26/19 10:58	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		03/26/19 10:58	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		03/26/19 10:58	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		03/26/19 10:58	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		03/26/19 10:58	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		03/26/19 10:58	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		03/26/19 10:58	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		03/26/19 10:58	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		03/26/19 10:58	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		03/26/19 10:58	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		03/26/19 10:58	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		03/26/19 10:58	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		03/26/19 10:58	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		03/26/19 10:58	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		03/26/19 10:58	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		03/26/19 10:58	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		03/26/19 10:58	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		03/26/19 10:58	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/26/19 10:58	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		03/26/19 10:58	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/26/19 10:58	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		03/26/19 10:58	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		03/26/19 10:58	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		03/26/19 10:58	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		03/26/19 10:58	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		03/26/19 10:58	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		03/26/19 10:58	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		03/26/19 10:58	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		03/26/19 10:58	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		03/26/19 10:58	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		03/26/19 10:58	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		03/26/19 10:58	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		03/26/19 10:58	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		03/26/19 10:58	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		03/26/19 10:58	75-09-2	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40184487

Sample: MW-6 **Lab ID: 40184487004** Collected: 03/19/19 11:55 Received: 03/21/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		03/26/19 10:58	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		03/26/19 10:58	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		03/26/19 10:58	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		03/26/19 10:58	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		03/26/19 10:58	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		03/26/19 10:58	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		03/26/19 10:58	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		03/26/19 10:58	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		03/26/19 10:58	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		03/26/19 10:58	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		03/26/19 10:58	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		03/26/19 10:58	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		03/26/19 10:58	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		03/26/19 10:58	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		03/26/19 10:58	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		03/26/19 10:58	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		03/26/19 10:58	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		03/26/19 10:58	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		03/26/19 10:58	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		03/26/19 10:58	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		03/26/19 10:58	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		03/26/19 10:58	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		03/26/19 10:58	2037-26-5	
4500S2F Sulfide, Iodometric Analytical Method: SM 4500-S F (2000)									
Sulfide	<1.2	mg/L	4.0	1.2	1		03/25/19 11:54		1q
300.0 IC Anions Analytical Method: EPA 300.0									
Nitrate as N	2.4	mg/L	1.1	0.38	5		03/21/19 10:47	14797-55-8	
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Sulfate	15.3	mg/L	15.0	5.0	5		03/21/19 10:47	14808-79-8	
5310C TOC Analytical Method: SM 5310C									
Total Organic Carbon	10.6	mg/L	8.4	2.5	10		03/26/19 02:02	7440-44-0	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40184487

Sample: DUPLICATE **Lab ID: 40184487005** Collected: 03/19/19 00:00 Received: 03/21/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	<0.58	ug/L	5.6	0.58	1		03/27/19 09:31	74-84-0	
Ethene	<0.52	ug/L	5.0	0.52	1		03/27/19 09:31	74-85-1	
Methane	3.4	ug/L	2.8	1.4	1		03/27/19 09:31	74-82-8	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		03/25/19 14:39	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		03/25/19 14:39	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		03/25/19 14:39	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		03/25/19 14:39	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		03/25/19 14:39	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		03/25/19 14:39	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		03/25/19 14:39	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		03/25/19 14:39	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		03/25/19 14:39	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		03/25/19 14:39	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		03/25/19 14:39	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		03/25/19 14:39	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		03/25/19 14:39	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		03/25/19 14:39	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		03/25/19 14:39	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		03/25/19 14:39	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		03/25/19 14:39	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		03/25/19 14:39	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		03/25/19 14:39	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		03/25/19 14:39	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		03/25/19 14:39	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		03/25/19 14:39	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		03/25/19 14:39	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		03/25/19 14:39	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/25/19 14:39	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		03/25/19 14:39	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/25/19 14:39	75-35-4	
cis-1,2-Dichloroethene	33.0	ug/L	1.0	0.27	1		03/25/19 14:39	156-59-2	
trans-1,2-Dichloroethene	1.2J	ug/L	3.6	1.1	1		03/25/19 14:39	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		03/25/19 14:39	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		03/25/19 14:39	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		03/25/19 14:39	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		03/25/19 14:39	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		03/25/19 14:39	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		03/25/19 14:39	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		03/25/19 14:39	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		03/25/19 14:39	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		03/25/19 14:39	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		03/25/19 14:39	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		03/25/19 14:39	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		03/25/19 14:39	75-09-2	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE
Pace Project No.: 40184487

Sample: DUPLICATE **Lab ID: 40184487005** Collected: 03/19/19 00:00 Received: 03/21/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		03/25/19 14:39	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		03/25/19 14:39	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		03/25/19 14:39	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		03/25/19 14:39	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		03/25/19 14:39	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		03/25/19 14:39	79-34-5	
Tetrachloroethene	2450	ug/L	43.5	13.1	40		03/26/19 11:43	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		03/25/19 14:39	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		03/25/19 14:39	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		03/25/19 14:39	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		03/25/19 14:39	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		03/25/19 14:39	79-00-5	
Trichloroethene	37.8	ug/L	1.0	0.26	1		03/25/19 14:39	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		03/25/19 14:39	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		03/25/19 14:39	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		03/25/19 14:39	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		03/25/19 14:39	108-67-8	
Vinyl chloride	1.0	ug/L	1.0	0.17	1		03/25/19 14:39	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		03/25/19 14:39	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		03/25/19 14:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		03/25/19 14:39	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		03/25/19 14:39	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		03/25/19 14:39	2037-26-5	
4500S2F Sulfide, Iodometric Analytical Method: SM 4500-S F (2000)									
Sulfide	<1.2	mg/L	4.0	1.2	1		03/25/19 11:55		1q
300.0 IC Anions Analytical Method: EPA 300.0									
Nitrate as N	10.6	mg/L	1.1	0.38	5		03/21/19 10:33	14797-55-8	H1
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Sulfate	103	mg/L	15.0	5.0	5		03/21/19 10:33	14808-79-8	
5310C TOC Analytical Method: SM 5310C									
Total Organic Carbon	0.26J	mg/L	0.84	0.25	1		03/26/19 02:23	7440-44-0	

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QUALITY CONTROL DATA

Project: 24413 MILWAUKEE FABRICARE
Pace Project No.: 40184487

QC Batch: 316530 Analysis Method: EPA 8015B Modified
QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV
Associated Lab Samples: 40184487001, 40184487002, 40184487003, 40184487004, 40184487005

METHOD BLANK: 1840935 Matrix: Water
Associated Lab Samples: 40184487001, 40184487002, 40184487003, 40184487004, 40184487005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<0.58	5.6	03/27/19 08:26	
Ethene	ug/L	<0.52	5.0	03/27/19 08:26	
Methane	ug/L	<1.4	2.8	03/27/19 08:26	

LABORATORY CONTROL SAMPLE & LCSD: 1840936

Parameter	Units	1840937									
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
Ethane	ug/L	53.6	57.4	58.6	107	109	80-120	2	20		
Ethene	ug/L	50	53.4	54.3	107	109	81-120	2	20		
Methane	ug/L	28.6	30.0	30.7	105	107	80-120	3	20		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1840938

Parameter	Units	1840939											
		40184590009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Ethane	ug/L	<5.8	536	536	568	575	106	107	80-120	1	20		
Ethene	ug/L	<5.2	500	500	522	527	104	105	81-122	1	20		
Methane	ug/L	2260	286	286	2910	3320	226	369	44-167	13	20	E,M1	

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

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QUALITY CONTROL DATA

Project: 24413 MILWAUKEE FABRICARE
Pace Project No.: 40184487

QC Batch: 316193 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40184487001, 40184487002, 40184487003, 40184487004, 40184487005

METHOD BLANK: 1839018 Matrix: Water
Associated Lab Samples: 40184487001, 40184487002, 40184487003, 40184487004, 40184487005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	03/25/19 08:13	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	03/25/19 08:13	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	03/25/19 08:13	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	03/25/19 08:13	
1,1-Dichloroethane	ug/L	<0.27	1.0	03/25/19 08:13	
1,1-Dichloroethene	ug/L	<0.24	1.0	03/25/19 08:13	
1,1-Dichloropropene	ug/L	<0.54	1.8	03/25/19 08:13	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	03/25/19 08:13	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	03/25/19 08:13	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	03/25/19 08:13	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	03/25/19 08:13	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	03/25/19 08:13	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	03/25/19 08:13	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	03/25/19 08:13	
1,2-Dichloroethane	ug/L	<0.28	1.0	03/25/19 08:13	
1,2-Dichloropropane	ug/L	<0.28	1.0	03/25/19 08:13	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	03/25/19 08:13	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	03/25/19 08:13	
1,3-Dichloropropane	ug/L	<0.83	2.8	03/25/19 08:13	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	03/25/19 08:13	
2,2-Dichloropropane	ug/L	<2.3	7.6	03/25/19 08:13	
2-Chlorotoluene	ug/L	<0.93	5.0	03/25/19 08:13	
4-Chlorotoluene	ug/L	<0.76	2.5	03/25/19 08:13	
Benzene	ug/L	<0.25	1.0	03/25/19 08:13	
Bromobenzene	ug/L	<0.24	1.0	03/25/19 08:13	
Bromochloromethane	ug/L	<0.36	5.0	03/25/19 08:13	
Bromodichloromethane	ug/L	<0.36	1.2	03/25/19 08:13	
Bromoform	ug/L	<4.0	13.2	03/25/19 08:13	
Bromomethane	ug/L	<0.97	5.0	03/25/19 08:13	
Carbon tetrachloride	ug/L	<0.17	1.0	03/25/19 08:13	
Chlorobenzene	ug/L	<0.71	2.4	03/25/19 08:13	
Chloroethane	ug/L	<1.3	5.0	03/25/19 08:13	
Chloroform	ug/L	<1.3	5.0	03/25/19 08:13	
Chloromethane	ug/L	<2.2	7.3	03/25/19 08:13	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	03/25/19 08:13	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	03/25/19 08:13	
Dibromochloromethane	ug/L	<2.6	8.7	03/25/19 08:13	
Dibromomethane	ug/L	<0.94	3.1	03/25/19 08:13	
Dichlorodifluoromethane	ug/L	<0.50	5.0	03/25/19 08:13	
Diisopropyl ether	ug/L	<1.9	6.3	03/25/19 08:13	
Ethylbenzene	ug/L	<0.22	1.0	03/25/19 08:13	

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QUALITY CONTROL DATA

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40184487

METHOD BLANK: 1839018

Matrix: Water

Associated Lab Samples: 40184487001, 40184487002, 40184487003, 40184487004, 40184487005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	03/25/19 08:13	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	03/25/19 08:13	
m&p-Xylene	ug/L	<0.47	2.0	03/25/19 08:13	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	03/25/19 08:13	
Methylene Chloride	ug/L	<0.58	5.0	03/25/19 08:13	
n-Butylbenzene	ug/L	<0.71	2.4	03/25/19 08:13	
n-Propylbenzene	ug/L	<0.81	5.0	03/25/19 08:13	
Naphthalene	ug/L	<1.2	5.0	03/25/19 08:13	
o-Xylene	ug/L	<0.26	1.0	03/25/19 08:13	
p-Isopropyltoluene	ug/L	<0.80	2.7	03/25/19 08:13	
sec-Butylbenzene	ug/L	<0.85	5.0	03/25/19 08:13	
Styrene	ug/L	<0.47	1.6	03/25/19 08:13	
tert-Butylbenzene	ug/L	<0.30	1.0	03/25/19 08:13	
Tetrachloroethene	ug/L	<0.33	1.1	03/25/19 08:13	
Toluene	ug/L	<0.17	5.0	03/25/19 08:13	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	03/25/19 08:13	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	03/25/19 08:13	
Trichloroethene	ug/L	<0.26	1.0	03/25/19 08:13	
Trichlorofluoromethane	ug/L	<0.21	1.0	03/25/19 08:13	
Vinyl chloride	ug/L	<0.17	1.0	03/25/19 08:13	
4-Bromofluorobenzene (S)	%	98	70-130	03/25/19 08:13	
Dibromofluoromethane (S)	%	110	70-130	03/25/19 08:13	
Toluene-d8 (S)	%	97	70-130	03/25/19 08:13	

LABORATORY CONTROL SAMPLE: 1839019

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	58.7	117	70-133	
1,1,2,2-Tetrachloroethane	ug/L	50	46.0	92	67-130	
1,1,2-Trichloroethane	ug/L	50	49.8	100	70-130	
1,1-Dichloroethane	ug/L	50	50.1	100	70-134	
1,1-Dichloroethene	ug/L	50	52.6	105	75-132	
1,2,4-Trichlorobenzene	ug/L	50	51.3	103	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	50.8	102	60-126	
1,2-Dibromoethane (EDB)	ug/L	50	54.0	108	70-130	
1,2-Dichlorobenzene	ug/L	50	51.9	104	70-130	
1,2-Dichloroethane	ug/L	50	61.9	124	73-134	
1,2-Dichloropropane	ug/L	50	48.7	97	79-128	
1,3-Dichlorobenzene	ug/L	50	51.5	103	70-130	
1,4-Dichlorobenzene	ug/L	50	51.6	103	70-130	
Benzene	ug/L	50	51.1	102	69-137	
Bromodichloromethane	ug/L	50	54.5	109	70-130	
Bromoform	ug/L	50	58.6	117	64-133	
Bromomethane	ug/L	50	56.6	113	29-123	

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QUALITY CONTROL DATA

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40184487

LABORATORY CONTROL SAMPLE: 1839019

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	63.4	127	73-142	
Chlorobenzene	ug/L	50	53.9	108	70-130	
Chloroethane	ug/L	50	51.1	102	59-133	
Chloroform	ug/L	50	56.5	113	80-129	
Chloromethane	ug/L	50	33.4	67	27-125	
cis-1,2-Dichloroethene	ug/L	50	49.9	100	70-134	
cis-1,3-Dichloropropene	ug/L	50	50.2	100	70-130	
Dibromochloromethane	ug/L	50	53.6	107	70-130	
Dichlorodifluoromethane	ug/L	50	35.7	71	12-127	
Ethylbenzene	ug/L	50	52.8	106	86-127	
Isopropylbenzene (Cumene)	ug/L	50	56.6	113	70-130	
m&p-Xylene	ug/L	100	110	110	70-131	
Methyl-tert-butyl ether	ug/L	50	46.1	92	65-136	
Methylene Chloride	ug/L	50	52.2	104	72-133	
o-Xylene	ug/L	50	55.3	111	70-130	
Styrene	ug/L	50	55.1	110	70-130	
Tetrachloroethene	ug/L	50	57.5	115	70-130	
Toluene	ug/L	50	52.8	106	84-124	
trans-1,2-Dichloroethene	ug/L	50	50.2	100	70-133	
trans-1,3-Dichloropropene	ug/L	50	49.5	99	67-130	
Trichloroethene	ug/L	50	55.6	111	70-130	
Trichlorofluoromethane	ug/L	50	62.0	124	69-147	
Vinyl chloride	ug/L	50	42.1	84	48-134	
4-Bromofluorobenzene (S)	%			96	70-130	
Dibromofluoromethane (S)	%			109	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1839835 1839836

Parameter	Units	40184546001		1839835		1839836		% Rec	% Rec	% Rec	Limits	RPD	RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
1,1,1-Trichloroethane	ug/L	<0.24	50	50	62.5	57.4	125	115	70-136	9	20			
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	49.7	45.7	99	91	67-133	8	20			
1,1,2-Trichloroethane	ug/L	<0.55	50	50	53.0	52.2	106	104	70-130	1	20			
1,1-Dichloroethane	ug/L	<0.27	50	50	54.3	49.9	109	100	70-139	8	20			
1,1-Dichloroethene	ug/L	<0.24	50	50	56.1	52.6	112	105	72-137	6	20			
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	56.8	57.3	114	115	68-130	1	20			
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	51.0	50.9	102	102	60-130	0	21			
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	53.8	54.1	108	108	70-130	1	20			
1,2-Dichlorobenzene	ug/L	<0.71	50	50	56.6	54.8	113	110	70-130	3	20			
1,2-Dichloroethane	ug/L	<0.28	50	50	61.4	60.1	123	120	71-137	2	20			
1,2-Dichloropropane	ug/L	<0.28	50	50	51.2	50.4	102	101	78-130	2	20			
1,3-Dichlorobenzene	ug/L	<0.63	50	50	54.6	54.2	109	108	70-130	1	20			
1,4-Dichlorobenzene	ug/L	<0.94	50	50	56.8	56.2	114	112	70-130	1	20			

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QUALITY CONTROL DATA

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40184487

Parameter	Units	1839835		1839836		MS % Rec	MSD % Rec	% Rec	Limits	RPD	Max RPD	Qual
		40184546001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Benzene	ug/L	<0.25	50	50	55.0	51.6	110	103	66-143	6	20	
Bromodichloromethane	ug/L	<0.36	50	50	57.9	55.4	116	111	70-130	4	20	
Bromoform	ug/L	<4.0	50	50	60.5	60.7	121	121	64-134	0	20	
Bromomethane	ug/L	<0.97	50	50	66.8	62.5	134	125	29-136	7	25	
Carbon tetrachloride	ug/L	<0.17	50	50	68.5	61.6	137	123	73-142	11	20	
Chlorobenzene	ug/L	<0.71	50	50	57.6	55.3	115	111	70-130	4	20	
Chloroethane	ug/L	<1.3	50	50	51.3	48.7	103	97	58-138	5	20	
Chloroform	ug/L	<1.3	50	50	59.7	55.0	119	110	80-131	8	20	
Chloromethane	ug/L	<2.2	50	50	36.0	32.1	72	64	24-125	11	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	55.1	49.6	110	99	68-137	10	22	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	50.3	50.5	101	101	70-130	1	20	
Dibromochloromethane	ug/L	<2.6	50	50	56.1	53.8	112	108	70-131	4	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	37.9	34.8	76	70	10-127	9	20	
Ethylbenzene	ug/L	<0.22	50	50	59.7	54.6	119	109	81-136	9	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	62.4	58.2	125	116	70-132	7	20	
m&p-Xylene	ug/L	<0.47	100	100	121	113	121	113	70-135	7	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	48.6	45.7	97	91	58-142	6	23	
Methylene Chloride	ug/L	<0.58	50	50	57.0	53.2	114	106	69-137	7	20	
o-Xylene	ug/L	<0.26	50	50	59.7	55.5	119	111	70-132	7	20	
Styrene	ug/L	<0.47	50	50	59.1	55.7	118	111	70-130	6	20	
Tetrachloroethene	ug/L	1.2	50	50	56.8	57.8	111	113	70-132	2	20	
Toluene	ug/L	<0.17	50	50	55.0	53.9	110	108	81-130	2	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	54.1	51.7	108	103	70-136	4	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	50.7	49.2	101	98	67-130	3	20	
Trichloroethene	ug/L	<0.26	50	50	59.3	57.5	119	115	70-131	3	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	65.6	59.7	131	119	66-150	10	20	
Vinyl chloride	ug/L	<0.17	50	50	45.9	41.4	92	83	46-134	10	20	
4-Bromofluorobenzene (S)	%						102	100	70-130			
Dibromofluoromethane (S)	%						112	109	70-130			
Toluene-d8 (S)	%						96	99	70-130			

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QUALITY CONTROL DATA

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40184487

QC Batch: 316320

Analysis Method: SM 4500-S F (2000)

QC Batch Method: SM 4500-S F (2000)

Analysis Description: 4500S2F Sulfide, Iodometric

Associated Lab Samples: 40184487001, 40184487002, 40184487003, 40184487004, 40184487005

METHOD BLANK: 1840006

Matrix: Water

Associated Lab Samples: 40184487001, 40184487002, 40184487003, 40184487004, 40184487005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	<1.2	4.0	03/25/19 11:20	

LABORATORY CONTROL SAMPLE: 1840007

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	42.4	42.4	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1840008 1840009

Parameter	Units	1840008		1840009		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40184487001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Sulfide	mg/L	1.8J	42.4	42.4	37.2	43.2	83	98	80-120	15	10 R1

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QUALITY CONTROL DATA

Project: 24413 MILWAUKEE FABRICARE
Pace Project No.: 40184487

QC Batch: 316083 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 40184487001, 40184487002, 40184487003, 40184487004, 40184487005

METHOD BLANK: 1838381 Matrix: Water
Associated Lab Samples: 40184487001, 40184487002, 40184487003, 40184487004, 40184487005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	<0.075	0.22	03/21/19 09:40	
Sulfate	mg/L	<1.0	3.0	03/21/19 09:40	

LABORATORY CONTROL SAMPLE: 1838382

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	1.5	1.5	103	90-110	
Sulfate	mg/L	20	21.1	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1838383 1838384

Parameter	Units	40184487002 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result						
Nitrate as N	mg/L	<0.38	7.5	7.5	7.4	7.4	98	99	90-110	1	15	
Sulfate	mg/L	5.6J	100	100	119	120	113	114	90-110	1	15 M0	

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QUALITY CONTROL DATA

Project: 24413 MILWAUKEE FABRICARE
Pace Project No.: 40184487

QC Batch: 316272 Analysis Method: SM 5310C
QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon
Associated Lab Samples: 40184487001, 40184487002, 40184487003, 40184487004, 40184487005

METHOD BLANK: 1839848 Matrix: Water
Associated Lab Samples: 40184487001, 40184487002, 40184487003, 40184487004, 40184487005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.25	0.84	03/25/19 19:25	

LABORATORY CONTROL SAMPLE: 1839849

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	2.5	2.4	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1839850 1839851

Parameter	Units	40184610022 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Conc.	Spike Conc.	MSD Conc.						
Total Organic Carbon	mg/L	1.6J	3	3	4.8	4.8	105	105	80-120	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1839852 1839853

Parameter	Units	40184553001 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Conc.	Spike Conc.	MSD Conc.						
Total Organic Carbon	mg/L	0.92	1	1	1.8	1.9	91	96	80-120	3	10	

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QUALIFIERS

Project: 24413 MILWAUKEE FABRICARE
Pace Project No.: 40184487

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

1q Sample received with headspace.

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

H1 Analysis conducted outside the recognized method holding time.

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

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

R1 RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 24413 MILWAUKEE FABRICARE
 Pace Project No.: 40184487

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40184487001	MW-1	EPA 8015B Modified	316530		
40184487002	MW-3	EPA 8015B Modified	316530		
40184487003	MW-4	EPA 8015B Modified	316530		
40184487004	MW-6	EPA 8015B Modified	316530		
40184487005	DUPLICATE	EPA 8015B Modified	316530		
40184487001	MW-1	EPA 8260	316193		
40184487002	MW-3	EPA 8260	316193		
40184487003	MW-4	EPA 8260	316193		
40184487004	MW-6	EPA 8260	316193		
40184487005	DUPLICATE	EPA 8260	316193		
40184487001	MW-1	SM 4500-S F (2000)	316320		
40184487002	MW-3	SM 4500-S F (2000)	316320		
40184487003	MW-4	SM 4500-S F (2000)	316320		
40184487004	MW-6	SM 4500-S F (2000)	316320		
40184487005	DUPLICATE	SM 4500-S F (2000)	316320		
40184487001	MW-1	EPA 300.0	316083		
40184487002	MW-3	EPA 300.0	316083		
40184487003	MW-4	EPA 300.0	316083		
40184487004	MW-6	EPA 300.0	316083		
40184487005	DUPLICATE	EPA 300.0	316083		
40184487001	MW-1	EPA 300.0	316083		
40184487002	MW-3	EPA 300.0	316083		
40184487003	MW-4	EPA 300.0	316083		
40184487004	MW-6	EPA 300.0	316083		
40184487005	DUPLICATE	EPA 300.0	316083		
40184487001	MW-1	SM 5310C	316272		
40184487002	MW-3	SM 5310C	316272		
40184487003	MW-4	SM 5310C	316272		
40184487004	MW-6	SM 5310C	316272		
40184487005	DUPLICATE	SM 5310C	316272		

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(Please Print Clearly)

Company Name: **KPR& Associates**
 Branch/Location: **Brookfield, WI**
 Project Contact: **Rich Grant**
 Phone: **262-781-0475**
 Project Number: **10009**
 Project Name: **Former Bask**
 Project State: **WI**
 Sampled By (Print): **Michelle Dolan**
 Sampled By (Sign): *Michelle Dolan*
 PO #:
 Regulator Program:

CHAIN OF CUSTODY



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

Quote #: **10184487**

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)*

V/I/M	Pick Letter	Analyses Requested
N	B	VOLs
N	G	Sulfide
N	A	Sulfate and Nitrate
N	C	TOL
N	B	Methane, Ethane, Ethene

PACE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Data Package Options (billable)		MS/MSD (billable)		Matrix Codes	Regulator Program	Reinquired By	Date/Time	Received By	Date/Time	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					<input type="checkbox"/> EPA Level III	<input type="checkbox"/> EPA Level IV	<input type="checkbox"/> On your sample	<input type="checkbox"/> NOT needed on your sample									
001	MW-1	3/19	1020	GW							<i>Michelle Dolan</i>	3/20/19	<i>Mary Tammi</i>	3/21/19	48 hour held on Nitrates		
002	MW-3	3/19	0940	GW							<i>Michelle Dolan</i>	3/20/19	<i>Mary Tammi</i>	3/21/19			
003	MW-4	3/19	1100	GW							<i>Michelle Dolan</i>	3/20/19	<i>Mary Tammi</i>	3/21/19			
004	MW-6	3/19	1155	GW							<i>Michelle Dolan</i>	3/20/19	<i>Mary Tammi</i>	3/21/19			
005	Duplicate			GW							<i>Michelle Dolan</i>	3/20/19	<i>Mary Tammi</i>	3/21/19			

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:

Reinquired By: *Michelle Dolan* Date/Time: 3/20/19 12:21
 Received By: *Mary Tammi* Date/Time: 3/21/19 12:21
 Reinstated By: *Michelle Dolan* Date/Time: 3/21/19 09:30
 Received By: *Mary Tammi* Date/Time: 3/21/19 09:30

PACE Project No. **10184487**
 Receipt Temp = **86.1** °C
 Sample Receipt pH **OK / Adjusted**
 Cooler Custody Seal **Present / Not Present**
 Intact / Not Intact



1241 Bellevue Street, Green Bay, WI 54302

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 #: WO#: 40184487

Client Name: KPRG + Assc.

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



Tracking #: _____

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

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

Packing Material: Bubble Wrap Bubble Bags None Other

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

Cooler Temperature Uncorr: R01 /Corr: _____

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

Person examining contents:
Date: 3-21-19
Initials: PL

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. No pg#, mail, invoice. 3-21-19 PL
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5. Request insufficient time for nitrate analysis. 3-21-19 PL
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. 002-AG45 no time. 3-21-19 PL
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: RMR for PL

Date: 03/21/19