

April 06, 2018

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

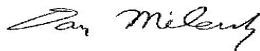
RE: Project: 24413 MILWAUKEE FABRICARE
Pace Project No.: 40166533

Dear Rich Gnat:

Enclosed are the analytical results for sample(s) received by the laboratory on March 28, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



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

Enclosures

cc: Josh Davenport, KPRG and Associates, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40166533

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

Pace Project No.: 40166533

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40166533001	MW-1	Water	03/27/18 15:06	03/28/18 10:30
40166533002	MW-3	Water	03/27/18 13:40	03/28/18 10:30
40166533003	MW-4	Water	03/27/18 14:25	03/28/18 10:30
40166533004	MW-5	Water	03/27/18 12:45	03/28/18 10:30
40166533005	MW-6	Water	03/27/18 11:40	03/28/18 10:30
40166533006	DUP	Water	03/27/18 00:00	03/28/18 10:30
40166533007	TRIP BLANK	Water	03/27/18 00:00	03/28/18 10:30

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SAMPLE ANALYTE COUNT

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40166533

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40166533001	MW-1	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	MDS	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
40166533002	MW-3	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	MDS	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
40166533003	MW-4	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	MDS	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
40166533004	MW-5	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	MDS	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
40166533005	MW-6	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	MDS	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
40166533006	DUP	EPA 8260	MDS	64	PASI-G
40166533007	TRIP BLANK	EPA 8260	MDS	64	PASI-G

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SUMMARY OF DETECTION

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40166533

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40166533001	MW-1					
EPA 8015B Modified	Ethene	127	ug/L	5.0	04/03/18 08:41	
EPA 8015B Modified	Methane	6720	ug/L	140	04/03/18 12:58	
EPA 8260	cis-1,2-Dichloroethene	9.3	ug/L	1.0	03/29/18 14:36	
EPA 8260	trans-1,2-Dichloroethene	108	ug/L	1.0	03/29/18 14:36	
EPA 8260	Tetrachloroethene	1.7	ug/L	1.0	03/29/18 14:36	
EPA 8260	Toluene	0.61J	ug/L	1.0	03/29/18 14:36	
EPA 8260	1,2,4-Trimethylbenzene	0.58J	ug/L	1.0	03/29/18 14:36	
EPA 8260	Vinyl chloride	3.5	ug/L	1.0	03/29/18 14:36	
SM 5310C	Total Organic Carbon	114	mg/L	84.0	04/04/18 13:00	
40166533002	MW-3					
EPA 8015B Modified	Ethene	8.9	ug/L	5.0	04/03/18 08:48	
EPA 8015B Modified	Methane	4940	ug/L	112	04/03/18 13:05	
EPA 8260	cis-1,2-Dichloroethene	20.9	ug/L	1.0	03/30/18 10:43	
EPA 8260	trans-1,2-Dichloroethene	8.2	ug/L	1.0	03/30/18 10:43	
EPA 8260	Naphthalene	5.3	ug/L	5.0	03/30/18 10:43	
EPA 8260	Tetrachloroethene	0.55J	ug/L	1.0	03/30/18 10:43	
EPA 8260	1,2,4-Trimethylbenzene	1.8	ug/L	1.0	03/30/18 10:43	
EPA 8260	1,3,5-Trimethylbenzene	0.55J	ug/L	1.0	03/30/18 10:43	
EPA 8260	Vinyl chloride	6.6	ug/L	1.0	03/30/18 10:43	
SM 5310C	Total Organic Carbon	199	mg/L	84.0	04/04/18 14:02	
40166533003	MW-4					
EPA 8260	Tetrachloroethene	2530	ug/L	40.0	03/29/18 20:04	
EPA 8260	Trichloroethene	47.7	ug/L	40.0	03/29/18 20:04	
EPA 300.0	Nitrate as N	7.8	mg/L	1.1	03/28/18 17:44	
EPA 300.0	Sulfate	120	mg/L	15.0	03/28/18 17:44	
40166533004	MW-5					
EPA 300.0	Nitrate as N	1.6J	mg/L	4.5	03/28/18 17:58	D3
EPA 300.0	Sulfate	85.9	mg/L	60.0	03/28/18 17:58	
SM 5310C	Total Organic Carbon	0.60J	mg/L	0.84	04/05/18 11:05	
40166533005	MW-6					
EPA 300.0	Nitrate as N	0.94J	mg/L	1.1	03/28/18 18:51	D3
EPA 300.0	Sulfate	73.1	mg/L	15.0	03/28/18 18:51	M0
SM 5310C	Total Organic Carbon	12.0	mg/L	8.4	04/05/18 13:31	
40166533006	DUP					
EPA 8260	cis-1,2-Dichloroethene	1.6	ug/L	1.0	03/29/18 14:58	
EPA 8260	trans-1,2-Dichloroethene	0.60J	ug/L	1.0	03/29/18 14:58	
EPA 8260	Tetrachloroethene	2710	ug/L	50.0	03/29/18 20:48	
EPA 8260	Trichloroethene	59.1	ug/L	1.0	03/29/18 14:58	
EPA 8260	1,2,3-Trichloropropane	8.0	ug/L	1.0	03/29/18 14:58	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Sample Project No.: 40166533

Sample: MW-1 Lab ID: 40166533001 Collected: 03/27/18 15:06 Received: 03/28/18 10:30 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		04/03/18 08:41	74-84-0	
Ethene	127	ug/L	5.0	0.52	1		04/03/18 08:41	74-85-1	
Methane	6720	ug/L	140	68.5	50		04/03/18 12:58	74-82-8	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:36	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/29/18 14:36	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/29/18 14:36	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/29/18 14:36	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/29/18 14:36	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/29/18 14:36	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:36	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/29/18 14:36	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/29/18 14:36	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/29/18 14:36	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:36	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/29/18 14:36	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		03/29/18 14:36	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/29/18 14:36	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:36	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/29/18 14:36	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/29/18 14:36	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/29/18 14:36	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/29/18 14:36	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/29/18 14:36	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:36	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:36	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:36	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/29/18 14:36	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		03/29/18 14:36	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/29/18 14:36	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		03/29/18 14:36	75-35-4	
cis-1,2-Dichloroethene	9.3	ug/L	1.0	0.26	1		03/29/18 14:36	156-59-2	
trans-1,2-Dichloroethene	108	ug/L	1.0	0.26	1		03/29/18 14:36	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/29/18 14:36	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/29/18 14:36	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/29/18 14:36	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/29/18 14:36	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:36	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/29/18 14:36	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/29/18 14:36	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:36	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/29/18 14:36	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/29/18 14:36	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:36	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/29/18 14:36	75-09-2	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40166533

Sample: MW-1 **Lab ID: 40166533001** Collected: 03/27/18 15:06 Received: 03/28/18 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/29/18 14:36	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/29/18 14:36	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:36	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:36	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		03/29/18 14:36	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		03/29/18 14:36	79-34-5	
Tetrachloroethene	1.7	ug/L	1.0	0.50	1		03/29/18 14:36	127-18-4	
Toluene	0.61J	ug/L	1.0	0.50	1		03/29/18 14:36	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/29/18 14:36	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/29/18 14:36	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		03/29/18 14:36	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/29/18 14:36	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		03/29/18 14:36	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/29/18 14:36	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/29/18 14:36	96-18-4	
1,2,4-Trimethylbenzene	0.58J	ug/L	1.0	0.50	1		03/29/18 14:36	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:36	108-67-8	
Vinyl chloride	3.5	ug/L	1.0	0.18	1		03/29/18 14:36	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		03/29/18 14:36	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:36	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		1		03/29/18 14:36	460-00-4	
Dibromofluoromethane (S)	101	%	67-130		1		03/29/18 14:36	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		03/29/18 14:36	2037-26-5	
4500S2F Sulfide, Iodometric Analytical Method: SM 4500-S F (2000)									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/03/18 11:01		M0, R1
300.0 IC Anions Analytical Method: EPA 300.0									
Nitrate as N	<1.5	mg/L	4.5	1.5	20		03/28/18 17:18	14797-55-8	D3
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Sulfate	<20.0	mg/L	60.0	20.0	20		03/28/18 17:18	14808-79-8	D3
5310C TOC Analytical Method: SM 5310C									
Total Organic Carbon	114	mg/L	84.0	25.2	100		04/04/18 13:00	7440-44-0	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Sample Project No.: 40166533

Sample: MW-3 **Lab ID: 40166533002** Collected: 03/27/18 13:40 Received: 03/28/18 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	<23.0	ug/L	224	23.0	40		04/03/18 13:05	74-84-0	
Ethene	8.9	ug/L	5.0	0.52	1		04/03/18 08:48	74-85-1	
Methane	4940	ug/L	112	54.8	40		04/03/18 13:05	74-82-8	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		03/30/18 10:43	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/30/18 10:43	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/30/18 10:43	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/30/18 10:43	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/30/18 10:43	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/30/18 10:43	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/30/18 10:43	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/30/18 10:43	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/30/18 10:43	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/30/18 10:43	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/30/18 10:43	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/30/18 10:43	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		03/30/18 10:43	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/30/18 10:43	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/30/18 10:43	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/30/18 10:43	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/30/18 10:43	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/30/18 10:43	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/30/18 10:43	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/30/18 10:43	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/30/18 10:43	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/30/18 10:43	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/30/18 10:43	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/30/18 10:43	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		03/30/18 10:43	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/30/18 10:43	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		03/30/18 10:43	75-35-4	
cis-1,2-Dichloroethene	20.9	ug/L	1.0	0.26	1		03/30/18 10:43	156-59-2	
trans-1,2-Dichloroethene	8.2	ug/L	1.0	0.26	1		03/30/18 10:43	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/30/18 10:43	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/30/18 10:43	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/30/18 10:43	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/30/18 10:43	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/30/18 10:43	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/30/18 10:43	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/30/18 10:43	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/30/18 10:43	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/30/18 10:43	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/30/18 10:43	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/30/18 10:43	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/30/18 10:43	75-09-2	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40166533

Sample: MW-3 **Lab ID: 40166533002** Collected: 03/27/18 13:40 Received: 03/28/18 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/30/18 10:43	1634-04-4	
Naphthalene	5.3	ug/L	5.0	2.5	1		03/30/18 10:43	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/30/18 10:43	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		03/30/18 10:43	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		03/30/18 10:43	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		03/30/18 10:43	79-34-5	
Tetrachloroethene	0.55J	ug/L	1.0	0.50	1		03/30/18 10:43	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		03/30/18 10:43	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/30/18 10:43	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/30/18 10:43	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		03/30/18 10:43	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/30/18 10:43	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		03/30/18 10:43	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/30/18 10:43	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/30/18 10:43	96-18-4	
1,2,4-Trimethylbenzene	1.8	ug/L	1.0	0.50	1		03/30/18 10:43	95-63-6	
1,3,5-Trimethylbenzene	0.55J	ug/L	1.0	0.50	1		03/30/18 10:43	108-67-8	
Vinyl chloride	6.6	ug/L	1.0	0.18	1		03/30/18 10:43	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		03/30/18 10:43	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		03/30/18 10:43	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		1		03/30/18 10:43	460-00-4	
Dibromofluoromethane (S)	100	%	67-130		1		03/30/18 10:43	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		03/30/18 10:43	2037-26-5	
4500S2F Sulfide, Iodometric Analytical Method: SM 4500-S F (2000)									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/03/18 11:17		
300.0 IC Anions Analytical Method: EPA 300.0									
Nitrate as N	<0.38	mg/L	1.1	0.38	5		03/28/18 17:31	14797-55-8	D3
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Sulfate	<5.0	mg/L	15.0	5.0	5		03/28/18 17:31	14808-79-8	D3
5310C TOC Analytical Method: SM 5310C									
Total Organic Carbon	199	mg/L	84.0	25.2	100		04/04/18 14:02	7440-44-0	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40166533

Sample: MW-4 **Lab ID: 40166533003** Collected: 03/27/18 14:25 Received: 03/28/18 10:30 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		04/03/18 12:37	74-84-0	
Ethene	<0.52	ug/L	5.0	0.52	1		04/03/18 12:37	74-85-1	
Methane	<1.4	ug/L	2.8	1.4	1		04/03/18 12:37	74-82-8	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<20.0	ug/L	40.0	20.0	40		03/29/18 20:04	71-43-2	
Bromobenzene	<9.2	ug/L	40.0	9.2	40		03/29/18 20:04	108-86-1	
Bromochloromethane	<13.6	ug/L	40.0	13.6	40		03/29/18 20:04	74-97-5	
Bromodichloromethane	<20.0	ug/L	40.0	20.0	40		03/29/18 20:04	75-27-4	
Bromoform	<20.0	ug/L	40.0	20.0	40		03/29/18 20:04	75-25-2	
Bromomethane	<97.4	ug/L	200	97.4	40		03/29/18 20:04	74-83-9	
n-Butylbenzene	<20.0	ug/L	40.0	20.0	40		03/29/18 20:04	104-51-8	
sec-Butylbenzene	<87.4	ug/L	200	87.4	40		03/29/18 20:04	135-98-8	
tert-Butylbenzene	<7.2	ug/L	40.0	7.2	40		03/29/18 20:04	98-06-6	
Carbon tetrachloride	<20.0	ug/L	40.0	20.0	40		03/29/18 20:04	56-23-5	
Chlorobenzene	<20.0	ug/L	40.0	20.0	40		03/29/18 20:04	108-90-7	
Chloroethane	<15.0	ug/L	40.0	15.0	40		03/29/18 20:04	75-00-3	
Chloroform	<100	ug/L	200	100	40		03/29/18 20:04	67-66-3	
Chloromethane	<20.0	ug/L	40.0	20.0	40		03/29/18 20:04	74-87-3	
2-Chlorotoluene	<20.0	ug/L	40.0	20.0	40		03/29/18 20:04	95-49-8	
4-Chlorotoluene	<8.5	ug/L	40.0	8.5	40		03/29/18 20:04	106-43-4	
1,2-Dibromo-3-chloropropane	<86.6	ug/L	200	86.6	40		03/29/18 20:04	96-12-8	
Dibromochloromethane	<20.0	ug/L	40.0	20.0	40		03/29/18 20:04	124-48-1	
1,2-Dibromoethane (EDB)	<7.1	ug/L	40.0	7.1	40		03/29/18 20:04	106-93-4	
Dibromomethane	<17.1	ug/L	40.0	17.1	40		03/29/18 20:04	74-95-3	
1,2-Dichlorobenzene	<20.0	ug/L	40.0	20.0	40		03/29/18 20:04	95-50-1	
1,3-Dichlorobenzene	<20.0	ug/L	40.0	20.0	40		03/29/18 20:04	541-73-1	
1,4-Dichlorobenzene	<20.0	ug/L	40.0	20.0	40		03/29/18 20:04	106-46-7	
Dichlorodifluoromethane	<9.0	ug/L	40.0	9.0	40		03/29/18 20:04	75-71-8	
1,1-Dichloroethane	<9.7	ug/L	40.0	9.7	40		03/29/18 20:04	75-34-3	
1,2-Dichloroethane	<6.7	ug/L	40.0	6.7	40		03/29/18 20:04	107-06-2	
1,1-Dichloroethene	<16.4	ug/L	40.0	16.4	40		03/29/18 20:04	75-35-4	
cis-1,2-Dichloroethene	<10.2	ug/L	40.0	10.2	40		03/29/18 20:04	156-59-2	
trans-1,2-Dichloroethene	<10.3	ug/L	40.0	10.3	40		03/29/18 20:04	156-60-5	
1,2-Dichloropropane	<9.3	ug/L	40.0	9.3	40		03/29/18 20:04	78-87-5	
1,3-Dichloropropane	<20.0	ug/L	40.0	20.0	40		03/29/18 20:04	142-28-9	
2,2-Dichloropropane	<19.4	ug/L	40.0	19.4	40		03/29/18 20:04	594-20-7	
1,1-Dichloropropene	<17.6	ug/L	40.0	17.6	40		03/29/18 20:04	563-58-6	
cis-1,3-Dichloropropene	<20.0	ug/L	40.0	20.0	40		03/29/18 20:04	10061-01-5	
trans-1,3-Dichloropropene	<9.2	ug/L	40.0	9.2	40		03/29/18 20:04	10061-02-6	
Diisopropyl ether	<20.0	ug/L	40.0	20.0	40		03/29/18 20:04	108-20-3	
Ethylbenzene	<20.0	ug/L	40.0	20.0	40		03/29/18 20:04	100-41-4	
Hexachloro-1,3-butadiene	<84.2	ug/L	200	84.2	40		03/29/18 20:04	87-68-3	
Isopropylbenzene (Cumene)	<5.7	ug/L	40.0	5.7	40		03/29/18 20:04	98-82-8	
p-Isopropyltoluene	<20.0	ug/L	40.0	20.0	40		03/29/18 20:04	99-87-6	
Methylene Chloride	<9.3	ug/L	40.0	9.3	40		03/29/18 20:04	75-09-2	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE
Pace Project No.: 40166533

Sample: MW-4 **Lab ID: 40166533003** Collected: 03/27/18 14:25 Received: 03/28/18 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Methyl-tert-butyl ether	<7.0	ug/L	40.0	7.0	40		03/29/18 20:04	1634-04-4	
Naphthalene	<100	ug/L	200	100	40		03/29/18 20:04	91-20-3	
n-Propylbenzene	<20.0	ug/L	40.0	20.0	40		03/29/18 20:04	103-65-1	
Styrene	<20.0	ug/L	40.0	20.0	40		03/29/18 20:04	100-42-5	
1,1,1,2-Tetrachloroethane	<7.2	ug/L	40.0	7.2	40		03/29/18 20:04	630-20-6	
1,1,2,2-Tetrachloroethane	<10	ug/L	40.0	10	40		03/29/18 20:04	79-34-5	
Tetrachloroethene	2530	ug/L	40.0	20.0	40		03/29/18 20:04	127-18-4	
Toluene	<20.0	ug/L	40.0	20.0	40		03/29/18 20:04	108-88-3	
1,2,3-Trichlorobenzene	<85.3	ug/L	200	85.3	40		03/29/18 20:04	87-61-6	
1,2,4-Trichlorobenzene	<88.4	ug/L	200	88.4	40		03/29/18 20:04	120-82-1	
1,1,1-Trichloroethane	<20.0	ug/L	40.0	20.0	40		03/29/18 20:04	71-55-6	
1,1,2-Trichloroethane	<7.9	ug/L	40.0	7.9	40		03/29/18 20:04	79-00-5	
Trichloroethene	47.7	ug/L	40.0	13.2	40		03/29/18 20:04	79-01-6	
Trichlorofluoromethane	<7.4	ug/L	40.0	7.4	40		03/29/18 20:04	75-69-4	
1,2,3-Trichloropropane	<20.0	ug/L	40.0	20.0	40		03/29/18 20:04	96-18-4	
1,2,4-Trimethylbenzene	<20.0	ug/L	40.0	20.0	40		03/29/18 20:04	95-63-6	
1,3,5-Trimethylbenzene	<20.0	ug/L	40.0	20.0	40		03/29/18 20:04	108-67-8	
Vinyl chloride	<7.0	ug/L	40.0	7.0	40		03/29/18 20:04	75-01-4	
m&p-Xylene	<40.0	ug/L	80.0	40.0	40		03/29/18 20:04	179601-23-1	
o-Xylene	<20.0	ug/L	40.0	20.0	40		03/29/18 20:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	61-130		40		03/29/18 20:04	460-00-4	
Dibromofluoromethane (S)	99	%	67-130		40		03/29/18 20:04	1868-53-7	
Toluene-d8 (S)	103	%	70-130		40		03/29/18 20:04	2037-26-5	
4500S2F Sulfide, Iodometric Analytical Method: SM 4500-S F (2000)									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/03/18 11:19		
300.0 IC Anions Analytical Method: EPA 300.0									
Nitrate as N	7.8	mg/L	1.1	0.38	5		03/28/18 17:44	14797-55-8	
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Sulfate	120	mg/L	15.0	5.0	5		03/28/18 17:44	14808-79-8	
5310C TOC Analytical Method: SM 5310C									
Total Organic Carbon	<0.25	mg/L	0.84	0.25	1		04/04/18 14:23	7440-44-0	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Sample Project No.: 40166533

Sample: MW-5 Lab ID: 40166533004 Collected: 03/27/18 12:45 Received: 03/28/18 10:30 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		04/05/18 08:56	74-84-0	
Ethene	<0.52	ug/L	5.0	0.52	1		04/05/18 08:56	74-85-1	
Methane	<1.4	ug/L	2.8	1.4	1		04/05/18 08:56	74-82-8	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:09	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/29/18 13:09	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/29/18 13:09	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/29/18 13:09	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/29/18 13:09	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/29/18 13:09	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:09	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/29/18 13:09	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/29/18 13:09	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/29/18 13:09	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:09	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/29/18 13:09	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		03/29/18 13:09	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/29/18 13:09	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:09	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/29/18 13:09	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/29/18 13:09	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/29/18 13:09	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/29/18 13:09	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/29/18 13:09	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:09	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:09	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:09	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/29/18 13:09	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		03/29/18 13:09	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/29/18 13:09	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		03/29/18 13:09	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/29/18 13:09	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/29/18 13:09	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/29/18 13:09	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/29/18 13:09	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/29/18 13:09	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/29/18 13:09	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:09	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/29/18 13:09	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/29/18 13:09	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:09	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/29/18 13:09	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/29/18 13:09	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:09	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/29/18 13:09	75-09-2	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40166533

Sample: MW-5 **Lab ID: 40166533004** Collected: 03/27/18 12:45 Received: 03/28/18 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/29/18 13:09	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/29/18 13:09	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:09	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:09	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		03/29/18 13:09	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		03/29/18 13:09	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:09	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:09	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/29/18 13:09	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/29/18 13:09	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		03/29/18 13:09	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/29/18 13:09	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		03/29/18 13:09	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/29/18 13:09	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/29/18 13:09	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:09	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:09	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		03/29/18 13:09	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		03/29/18 13:09	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:09	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	61-130		1		03/29/18 13:09	460-00-4	
Dibromofluoromethane (S)	100	%	67-130		1		03/29/18 13:09	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		03/29/18 13:09	2037-26-5	
4500S2F Sulfide, Iodometric Analytical Method: SM 4500-S F (2000)									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/03/18 11:22		
300.0 IC Anions Analytical Method: EPA 300.0									
Nitrate as N	1.6J	mg/L	4.5	1.5	20		03/28/18 17:58	14797-55-8	D3
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Sulfate	85.9	mg/L	60.0	20.0	20		03/28/18 17:58	14808-79-8	
5310C TOC Analytical Method: SM 5310C									
Total Organic Carbon	0.60J	mg/L	0.84	0.25	1		04/05/18 11:05	7440-44-0	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Sample Project No.: 40166533

Sample: MW-6 **Lab ID: 40166533005** Collected: 03/27/18 11:40 Received: 03/28/18 10:30 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		04/05/18 09:03	74-84-0	
Ethene	<0.52	ug/L	5.0	0.52	1		04/05/18 09:03	74-85-1	
Methane	<1.4	ug/L	2.8	1.4	1		04/05/18 09:03	74-82-8	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:31	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/29/18 13:31	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/29/18 13:31	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/29/18 13:31	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/29/18 13:31	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/29/18 13:31	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:31	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/29/18 13:31	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/29/18 13:31	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/29/18 13:31	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:31	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/29/18 13:31	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		03/29/18 13:31	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/29/18 13:31	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:31	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/29/18 13:31	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/29/18 13:31	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/29/18 13:31	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/29/18 13:31	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/29/18 13:31	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:31	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:31	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:31	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/29/18 13:31	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		03/29/18 13:31	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/29/18 13:31	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		03/29/18 13:31	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/29/18 13:31	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/29/18 13:31	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/29/18 13:31	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/29/18 13:31	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/29/18 13:31	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/29/18 13:31	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:31	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/29/18 13:31	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/29/18 13:31	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:31	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/29/18 13:31	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/29/18 13:31	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:31	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/29/18 13:31	75-09-2	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE
Pace Project No.: 40166533

Sample: MW-6 **Lab ID: 40166533005** Collected: 03/27/18 11:40 Received: 03/28/18 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/29/18 13:31	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/29/18 13:31	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:31	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:31	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		03/29/18 13:31	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		03/29/18 13:31	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:31	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:31	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/29/18 13:31	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/29/18 13:31	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		03/29/18 13:31	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/29/18 13:31	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		03/29/18 13:31	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/29/18 13:31	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/29/18 13:31	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:31	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:31	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		03/29/18 13:31	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		03/29/18 13:31	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		03/29/18 13:31	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	61-130		1		03/29/18 13:31	460-00-4	
Dibromofluoromethane (S)	102	%	67-130		1		03/29/18 13:31	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		03/29/18 13:31	2037-26-5	
4500S2F Sulfide, Iodometric Analytical Method: SM 4500-S F (2000)									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/03/18 11:25		1q
300.0 IC Anions Analytical Method: EPA 300.0									
Nitrate as N	0.94J	mg/L	1.1	0.38	5		03/28/18 18:51	14797-55-8	D3
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Sulfate	73.1	mg/L	15.0	5.0	5		03/28/18 18:51	14808-79-8	M0
5310C TOC Analytical Method: SM 5310C									
Total Organic Carbon	12.0	mg/L	8.4	2.5	10		04/05/18 13:31	7440-44-0	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Sample Project No.: 40166533

Sample: DUP **Lab ID: 40166533006** Collected: 03/27/18 00:00 Received: 03/28/18 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:58	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/29/18 14:58	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/29/18 14:58	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/29/18 14:58	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/29/18 14:58	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/29/18 14:58	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:58	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/29/18 14:58	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/29/18 14:58	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/29/18 14:58	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:58	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/29/18 14:58	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		03/29/18 14:58	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/29/18 14:58	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:58	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/29/18 14:58	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/29/18 14:58	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/29/18 14:58	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/29/18 14:58	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/29/18 14:58	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:58	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:58	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:58	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/29/18 14:58	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		03/29/18 14:58	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/29/18 14:58	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		03/29/18 14:58	75-35-4	
cis-1,2-Dichloroethene	1.6	ug/L	1.0	0.26	1		03/29/18 14:58	156-59-2	
trans-1,2-Dichloroethene	0.60J	ug/L	1.0	0.26	1		03/29/18 14:58	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/29/18 14:58	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/29/18 14:58	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/29/18 14:58	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/29/18 14:58	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:58	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/29/18 14:58	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/29/18 14:58	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:58	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/29/18 14:58	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/29/18 14:58	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:58	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/29/18 14:58	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/29/18 14:58	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/29/18 14:58	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:58	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:58	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		03/29/18 14:58	630-20-6	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40166533

Sample: DUP **Lab ID: 40166533006** Collected: 03/27/18 00:00 Received: 03/28/18 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		03/29/18 14:58	79-34-5	
Tetrachloroethene	2710	ug/L	50.0	25.0	50		03/29/18 20:48	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:58	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/29/18 14:58	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/29/18 14:58	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		03/29/18 14:58	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/29/18 14:58	79-00-5	
Trichloroethene	59.1	ug/L	1.0	0.33	1		03/29/18 14:58	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/29/18 14:58	75-69-4	
1,2,3-Trichloropropane	8.0	ug/L	1.0	0.50	1		03/29/18 14:58	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:58	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:58	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		03/29/18 14:58	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		03/29/18 14:58	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:58	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		1		03/29/18 14:58	460-00-4	
Dibromofluoromethane (S)	103	%	67-130		1		03/29/18 14:58	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		03/29/18 14:58	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Sample Project No.: 40166533

Sample: TRIP BLANK **Lab ID: 40166533007** Collected: 03/27/18 00:00 Received: 03/28/18 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:14	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/29/18 14:14	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/29/18 14:14	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/29/18 14:14	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/29/18 14:14	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/29/18 14:14	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:14	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/29/18 14:14	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/29/18 14:14	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/29/18 14:14	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:14	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/29/18 14:14	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		03/29/18 14:14	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/29/18 14:14	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:14	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/29/18 14:14	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/29/18 14:14	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/29/18 14:14	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/29/18 14:14	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/29/18 14:14	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:14	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:14	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:14	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/29/18 14:14	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		03/29/18 14:14	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/29/18 14:14	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		03/29/18 14:14	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/29/18 14:14	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/29/18 14:14	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/29/18 14:14	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/29/18 14:14	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/29/18 14:14	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/29/18 14:14	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:14	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/29/18 14:14	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/29/18 14:14	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:14	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/29/18 14:14	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/29/18 14:14	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:14	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/29/18 14:14	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/29/18 14:14	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/29/18 14:14	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:14	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:14	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		03/29/18 14:14	630-20-6	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40166533

Sample: TRIP BLANK **Lab ID: 40166533007** Collected: 03/27/18 00:00 Received: 03/28/18 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		03/29/18 14:14	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:14	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:14	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/29/18 14:14	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/29/18 14:14	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		03/29/18 14:14	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/29/18 14:14	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		03/29/18 14:14	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/29/18 14:14	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/29/18 14:14	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:14	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:14	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		03/29/18 14:14	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		03/29/18 14:14	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		03/29/18 14:14	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		1		03/29/18 14:14	460-00-4	
Dibromofluoromethane (S)	103	%	67-130		1		03/29/18 14:14	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		03/29/18 14:14	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 24413 MILWAUKEE FABRICARE
Pace Project No.: 40166533

QC Batch: 284963 Analysis Method: EPA 8015B Modified
QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV
Associated Lab Samples: 40166533001, 40166533002, 40166533003

METHOD BLANK: 1667960 Matrix: Water
Associated Lab Samples: 40166533001, 40166533002, 40166533003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<0.58	5.6	04/03/18 07:24	
Ethene	ug/L	<0.52	5.0	04/03/18 07:24	
Methane	ug/L	<1.4	2.8	04/03/18 07:24	

LABORATORY CONTROL SAMPLE & LCSD: 1667961

Parameter	Units	1667962								Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	
Ethane	ug/L	53.6	56.5	56.9	105	106	80-120	1	20	
Ethene	ug/L	50	52.4	52.8	105	106	80-119	1	20	
Methane	ug/L	28.6	29.6	30.0	103	105	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1667963

Parameter	Units	1667964										
		40166653037 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<0.58	1070	1070	1140	1120	106	104	79-120	2	20	
Ethene	ug/L	2.2J	1000	1000	1040	1020	104	102	78-119	2	20	
Methane	ug/L	3430	571	571	5460	5310	357	329	10-200	3	20	M1

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QUALITY CONTROL DATA

Project: 24413 MILWAUKEE FABRICARE
Pace Project No.: 40166533

QC Batch: 285202 Analysis Method: EPA 8015B Modified
QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV
Associated Lab Samples: 40166533004, 40166533005

METHOD BLANK: 1669172 Matrix: Water
Associated Lab Samples: 40166533004, 40166533005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<0.58	5.6	04/05/18 08:24	
Ethene	ug/L	<0.52	5.0	04/05/18 08:24	
Methane	ug/L	<1.4	2.8	04/05/18 08:24	

LABORATORY CONTROL SAMPLE & LCSD: 1669173

Parameter	Units	1669174								Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	
Ethane	ug/L	53.6	58.6	59.4	109	111	80-120	1	20	
Ethene	ug/L	50	54.4	55.1	109	110	80-119	1	20	
Methane	ug/L	28.6	31.2	31.5	109	110	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1669353

Parameter	Units	1669354										
		40166533004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<0.58	53.6	53.6	52.3	54.1	98	101	79-120	3	20	
Ethene	ug/L	<0.52	50	50	49.0	50.5	98	101	78-119	3	20	
Methane	ug/L	<1.4	28.6	28.6	31.5	31.3	110	110	10-200	1	20	

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QUALITY CONTROL DATA

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40166533

QC Batch: 284603 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40166533001, 40166533002, 40166533003, 40166533004, 40166533005, 40166533006, 40166533007

METHOD BLANK: 1665650 Matrix: Water
Associated Lab Samples: 40166533001, 40166533002, 40166533003, 40166533004, 40166533005, 40166533006, 40166533007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	03/29/18 11:19	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	03/29/18 11:19	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	03/29/18 11:19	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	03/29/18 11:19	
1,1-Dichloroethane	ug/L	<0.24	1.0	03/29/18 11:19	
1,1-Dichloroethene	ug/L	<0.41	1.0	03/29/18 11:19	
1,1-Dichloropropene	ug/L	<0.44	1.0	03/29/18 11:19	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	03/29/18 11:19	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	03/29/18 11:19	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	03/29/18 11:19	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	03/29/18 11:19	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	03/29/18 11:19	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	03/29/18 11:19	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	03/29/18 11:19	
1,2-Dichloroethane	ug/L	<0.17	1.0	03/29/18 11:19	
1,2-Dichloropropane	ug/L	<0.23	1.0	03/29/18 11:19	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	03/29/18 11:19	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	03/29/18 11:19	
1,3-Dichloropropane	ug/L	<0.50	1.0	03/29/18 11:19	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	03/29/18 11:19	
2,2-Dichloropropane	ug/L	<0.48	1.0	03/29/18 11:19	
2-Chlorotoluene	ug/L	<0.50	1.0	03/29/18 11:19	
4-Chlorotoluene	ug/L	<0.21	1.0	03/29/18 11:19	
Benzene	ug/L	<0.50	1.0	03/29/18 11:19	
Bromobenzene	ug/L	<0.23	1.0	03/29/18 11:19	
Bromochloromethane	ug/L	<0.34	1.0	03/29/18 11:19	
Bromodichloromethane	ug/L	<0.50	1.0	03/29/18 11:19	
Bromoform	ug/L	<0.50	1.0	03/29/18 11:19	
Bromomethane	ug/L	<2.4	5.0	03/29/18 11:19	
Carbon tetrachloride	ug/L	<0.50	1.0	03/29/18 11:19	
Chlorobenzene	ug/L	<0.50	1.0	03/29/18 11:19	
Chloroethane	ug/L	<0.37	1.0	03/29/18 11:19	
Chloroform	ug/L	<2.5	5.0	03/29/18 11:19	
Chloromethane	ug/L	<0.50	1.0	03/29/18 11:19	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	03/29/18 11:19	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	03/29/18 11:19	
Dibromochloromethane	ug/L	<0.50	1.0	03/29/18 11:19	
Dibromomethane	ug/L	<0.43	1.0	03/29/18 11:19	
Dichlorodifluoromethane	ug/L	<0.22	1.0	03/29/18 11:19	
Diisopropyl ether	ug/L	<0.50	1.0	03/29/18 11:19	
Ethylbenzene	ug/L	<0.50	1.0	03/29/18 11:19	

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QUALITY CONTROL DATA

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40166533

METHOD BLANK: 1665650

Matrix: Water

Associated Lab Samples: 40166533001, 40166533002, 40166533003, 40166533004, 40166533005, 40166533006, 40166533007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	03/29/18 11:19	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	03/29/18 11:19	
m&p-Xylene	ug/L	<1.0	2.0	03/29/18 11:19	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	03/29/18 11:19	
Methylene Chloride	ug/L	<0.23	1.0	03/29/18 11:19	
n-Butylbenzene	ug/L	<0.50	1.0	03/29/18 11:19	
n-Propylbenzene	ug/L	<0.50	1.0	03/29/18 11:19	
Naphthalene	ug/L	<2.5	5.0	03/29/18 11:19	
o-Xylene	ug/L	<0.50	1.0	03/29/18 11:19	
p-Isopropyltoluene	ug/L	<0.50	1.0	03/29/18 11:19	
sec-Butylbenzene	ug/L	<2.2	5.0	03/29/18 11:19	
Styrene	ug/L	<0.50	1.0	03/29/18 11:19	
tert-Butylbenzene	ug/L	<0.18	1.0	03/29/18 11:19	
Tetrachloroethene	ug/L	<0.50	1.0	03/29/18 11:19	
Toluene	ug/L	<0.50	1.0	03/29/18 11:19	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	03/29/18 11:19	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	03/29/18 11:19	
Trichloroethene	ug/L	<0.33	1.0	03/29/18 11:19	
Trichlorofluoromethane	ug/L	<0.18	1.0	03/29/18 11:19	
Vinyl chloride	ug/L	<0.18	1.0	03/29/18 11:19	
4-Bromofluorobenzene (S)	%	94	61-130	03/29/18 11:19	
Dibromofluoromethane (S)	%	93	67-130	03/29/18 11:19	
Toluene-d8 (S)	%	100	70-130	03/29/18 11:19	

LABORATORY CONTROL SAMPLE: 1665651

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.8	110	70-130	
1,1,1,2-Tetrachloroethane	ug/L	50	48.9	98	70-130	
1,1,2-Trichloroethane	ug/L	50	49.4	99	70-130	
1,1-Dichloroethane	ug/L	50	59.1	118	71-132	
1,1-Dichloroethene	ug/L	50	55.9	112	75-130	
1,2,4-Trichlorobenzene	ug/L	50	49.7	99	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	44.7	89	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	49.9	100	70-130	
1,2-Dichlorobenzene	ug/L	50	49.8	100	70-130	
1,2-Dichloroethane	ug/L	50	49.3	99	70-131	
1,2-Dichloropropane	ug/L	50	50.8	102	80-120	
1,3-Dichlorobenzene	ug/L	50	50.5	101	70-130	
1,4-Dichlorobenzene	ug/L	50	50.2	100	70-130	
Benzene	ug/L	50	50.9	102	73-145	
Bromodichloromethane	ug/L	50	51.0	102	70-130	
Bromoform	ug/L	50	45.7	91	67-130	
Bromomethane	ug/L	50	34.3	69	26-128	

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QUALITY CONTROL DATA

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40166533

LABORATORY CONTROL SAMPLE: 1665651

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	55.4	111	70-133	
Chlorobenzene	ug/L	50	51.1	102	70-130	
Chloroethane	ug/L	50	49.2	98	58-120	
Chloroform	ug/L	50	51.6	103	80-121	
Chloromethane	ug/L	50	41.1	82	40-127	
cis-1,2-Dichloroethene	ug/L	50	51.5	103	70-130	
cis-1,3-Dichloropropene	ug/L	50	49.9	100	70-130	
Dibromochloromethane	ug/L	50	50.0	100	70-130	
Dichlorodifluoromethane	ug/L	50	49.9	100	20-135	
Ethylbenzene	ug/L	50	52.9	106	87-129	
Isopropylbenzene (Cumene)	ug/L	50	55.4	111	70-130	
m&p-Xylene	ug/L	100	106	106	70-130	
Methyl-tert-butyl ether	ug/L	50	49.7	99	66-143	
Methylene Chloride	ug/L	50	50.8	102	70-130	
o-Xylene	ug/L	50	53.3	107	70-130	
Styrene	ug/L	50	53.1	106	70-130	
Tetrachloroethene	ug/L	50	50.2	100	70-130	
Toluene	ug/L	50	51.8	104	82-130	
trans-1,2-Dichloroethene	ug/L	50	52.2	104	75-132	
trans-1,3-Dichloropropene	ug/L	50	45.6	91	70-130	
Trichloroethene	ug/L	50	55.0	110	70-130	
Trichlorofluoromethane	ug/L	50	52.0	104	76-133	
Vinyl chloride	ug/L	50	52.0	104	57-136	
4-Bromofluorobenzene (S)	%			102	61-130	
Dibromofluoromethane (S)	%			101	67-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1665652 1665653

Parameter	Units	40166554028		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
1,1,1-Trichloroethane	ug/L	<25.0	12500	12500	13300	14000	106	112	70-134	5	20		
1,1,2,2-Tetrachloroethane	ug/L	<12.5	12500	12500	11500	13100	92	104	70-130	13	20		
1,1,2-Trichloroethane	ug/L	<9.9	12500	12500	12700	13400	102	107	70-130	5	20		
1,1-Dichloroethane	ug/L	<12.1	12500	12500	13100	16200	105	130	71-133	21	20	R1	
1,1-Dichloroethene	ug/L	<20.5	12500	12500	13500	14000	108	112	75-136	4	20		
1,2,4-Trichlorobenzene	ug/L	<110	12500	12500	12100	13400	97	107	70-130	10	20		
1,2-Dibromo-3-chloropropane	ug/L	<108	12500	12500	12100	12700	97	102	63-123	5	20		
1,2-Dibromoethane (EDB)	ug/L	<8.9	12500	12500	12600	13100	101	105	70-130	4	20		
1,2-Dichlorobenzene	ug/L	<25.0	12500	12500	11900	13100	95	105	70-130	9	20		
1,2-Dichloroethane	ug/L	<8.4	12500	12500	12500	13100	100	105	70-131	5	20		
1,2-Dichloropropane	ug/L	<11.7	12500	12500	12300	13200	99	106	80-120	7	20		
1,3-Dichlorobenzene	ug/L	<25.0	12500	12500	12300	13100	98	105	70-130	7	20		
1,4-Dichlorobenzene	ug/L	<25.0	12500	12500	12100	13300	97	107	70-130	10	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40166533

Parameter	Units	40166554028		1665652		1665653		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Benzene	ug/L	146	12500	12500	12900	13700	102	109	73-145	6	20		
Bromodichloromethane	ug/L	<25.0	12500	12500	12200	13500	98	108	70-130	10	20		
Bromoform	ug/L	<25.0	12500	12500	11500	12600	92	101	67-130	9	20		
Bromomethane	ug/L	<122	12500	12500	9450	9180	76	73	26-129	3	20		
Carbon tetrachloride	ug/L	<25.0	12500	12500	13500	14400	108	116	70-134	6	20		
Chlorobenzene	ug/L	<25.0	12500	12500	12800	13400	102	107	70-130	5	20		
Chloroethane	ug/L	<18.7	12500	12500	12400	13100	99	105	58-120	5	20		
Chloroform	ug/L	<125	12500	12500	12700	13600	102	109	80-121	7	20		
Chloromethane	ug/L	<25.0	12500	12500	10300	11300	83	90	40-128	8	20		
cis-1,2-Dichloroethene	ug/L	<12.8	12500	12500	12400	13700	99	110	70-130	10	20		
cis-1,3-Dichloropropene	ug/L	<25.0	12500	12500	12300	13400	98	107	70-130	9	20		
Dibromochloromethane	ug/L	<25.0	12500	12500	12600	13300	101	107	70-130	6	20		
Dichlorodifluoromethane	ug/L	<11.2	12500	12500	11700	12600	93	101	20-146	8	20		
Ethylbenzene	ug/L	4660	12500	12500	17500	18100	103	108	87-129	3	20		
Isopropylbenzene (Cumene)	ug/L	210	12500	12500	13900	14400	109	113	70-130	3	20		
m&p-Xylene	ug/L	800	25000	25000	27300	28800	106	112	70-130	5	20		
Methyl-tert-butyl ether	ug/L	<8.7	12500	12500	12300	13700	98	109	66-143	11	20		
Methylene Chloride	ug/L	<11.6	12500	12500	12400	13300	99	107	70-130	7	20		
o-Xylene	ug/L	561	12500	12500	13700	14400	105	111	70-130	5	20		
Styrene	ug/L	<25.0	12500	12500	13200	14000	106	112	70-130	6	20		
Tetrachloroethene	ug/L	<25.0	12500	12500	12900	13100	104	105	70-130	1	20		
Toluene	ug/L	32.6J	12500	12500	12700	13400	101	107	82-131	6	20		
trans-1,2-Dichloroethene	ug/L	<12.8	12500	12500	12700	15000	102	120	75-135	17	20		
trans-1,3-Dichloropropene	ug/L	<11.5	12500	12500	11400	11600	91	93	70-130	2	20		
Trichloroethene	ug/L	<16.5	12500	12500	13400	14200	107	114	70-130	6	20		
Trichlorofluoromethane	ug/L	<9.2	12500	12500	12800	13300	103	106	76-150	4	20		
Vinyl chloride	ug/L	<8.8	12500	12500	12900	13500	103	108	56-143	4	20		
4-Bromofluorobenzene (S)	%						105	99	61-130				
Dibromofluoromethane (S)	%						99	101	67-130				
Toluene-d8 (S)	%						100	96	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40166533

QC Batch: 284991

Analysis Method: SM 4500-S F (2000)

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

Analysis Description: 4500S2F Sulfide, Iodometric

Associated Lab Samples: 40166533001, 40166533002, 40166533003, 40166533004, 40166533005

METHOD BLANK: 1668043

Matrix: Water

Associated Lab Samples: 40166533001, 40166533002, 40166533003, 40166533004, 40166533005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	<1.2	4.0	04/03/18 10:58	

LABORATORY CONTROL SAMPLE: 1668044

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	46	38.0	83	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1668045 1668046

Parameter	Units	1668045		1668046		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40166533001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Sulfide	mg/L	<1.2	46	46	29.6	19.2	64	42	80-120	43	10 M0,R1

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QUALITY CONTROL DATA

Project: 24413 MILWAUKEE FABRICARE
Pace Project No.: 40166533

QC Batch: 284547 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 40166533001, 40166533002, 40166533003, 40166533004, 40166533005

METHOD BLANK: 1665252 Matrix: Water
Associated Lab Samples: 40166533001, 40166533002, 40166533003, 40166533004, 40166533005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	<0.075	0.22	03/28/18 11:16	
Sulfate	mg/L	<1.0	3.0	03/28/18 11:16	

LABORATORY CONTROL SAMPLE: 1665253

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	1.5	1.4	93	90-110	
Sulfate	mg/L	20	18.5	93	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1665254 1665255

Parameter	Units	40166528001 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	MSD Result	MSD Result						
Nitrate as N	mg/L	<200	1500	1500	1550	1490	103	100	90-110	4	15	
Sulfate	mg/L	<1000	20000	20000	20600	19800	103	99	90-110	4	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1665264 1665265

Parameter	Units	40166533005 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	MSD Result	MSD Result						
Nitrate as N	mg/L	0.94J	7.5	7.5	8.9	8.9	106	106	90-110	0	15	
Sulfate	mg/L	73.1	100	100	187	187	114	114	90-110	0	15 M0	

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QUALITY CONTROL DATA

Project: 24413 MILWAUKEE FABRICARE
Pace Project No.: 40166533

QC Batch: 285074 Analysis Method: SM 5310C
QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon
Associated Lab Samples: 40166533001, 40166533002, 40166533003, 40166533004, 40166533005

METHOD BLANK: 1668401 Matrix: Water
Associated Lab Samples: 40166533001, 40166533002, 40166533003, 40166533004, 40166533005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.25	0.84	04/04/18 11:57	

LABORATORY CONTROL SAMPLE: 1668402

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	2.5	2.5	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1668403 1668404

Parameter	Units	40166533001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	114	100	100	212	215	98	101	80-120	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1668405 1668406

Parameter	Units	40166794001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	12.3	6	6	19.2	19.3	114	115	80-120	0	10	

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QUALIFIERS

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40166533

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

ANALYTE QUALIFIERS

1q Sample was received with headspace.

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

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40166533

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40166533001	MW-1	EPA 8015B Modified	284963		
40166533002	MW-3	EPA 8015B Modified	284963		
40166533003	MW-4	EPA 8015B Modified	284963		
40166533004	MW-5	EPA 8015B Modified	285202		
40166533005	MW-6	EPA 8015B Modified	285202		
40166533001	MW-1	EPA 8260	284603		
40166533002	MW-3	EPA 8260	284603		
40166533003	MW-4	EPA 8260	284603		
40166533004	MW-5	EPA 8260	284603		
40166533005	MW-6	EPA 8260	284603		
40166533006	DUP	EPA 8260	284603		
40166533007	TRIP BLANK	EPA 8260	284603		
40166533001	MW-1	SM 4500-S F (2000)	284991		
40166533002	MW-3	SM 4500-S F (2000)	284991		
40166533003	MW-4	SM 4500-S F (2000)	284991		
40166533004	MW-5	SM 4500-S F (2000)	284991		
40166533005	MW-6	SM 4500-S F (2000)	284991		
40166533001	MW-1	EPA 300.0	284547		
40166533002	MW-3	EPA 300.0	284547		
40166533003	MW-4	EPA 300.0	284547		
40166533004	MW-5	EPA 300.0	284547		
40166533005	MW-6	EPA 300.0	284547		
40166533001	MW-1	EPA 300.0	284547		
40166533002	MW-3	EPA 300.0	284547		
40166533003	MW-4	EPA 300.0	284547		
40166533004	MW-5	EPA 300.0	284547		
40166533005	MW-6	EPA 300.0	284547		
40166533001	MW-1	SM 5310C	285074		
40166533002	MW-3	SM 5310C	285074		
40166533003	MW-4	SM 5310C	285074		
40166533004	MW-5	SM 5310C	285074		
40166533005	MW-6	SM 5310C	285074		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: KPRG & Assoc.
 Branch/Location: Brookfield, WI
 Project Contact: Rich Gnat
 Phone: 262 781 0475
 Project Number: 24413
 Project Name: Milwaukee Fabricare
 Project State: WI
 Sampled By (Print): L. Restman / JOSH DAVENPORT
 Sampled By (Sign): *[Signature]*
 PO #:
 Regulatory Program:



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

40166533

CHAIN OF CUSTODY

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

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

Y/N	N	N	N	N	N
Pick Letter	B	B	C	J	A
Analytes Requested	VOC	Dissolved Gases Methane, ethane ethene	TOC	Sulfide	Sulfate, Nitrate
	X	X	X	X	X

Quote #:
 Mail To Contact:
 Mail To Company:
 Mail To Address:
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:
 CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)
 Profile #

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	MW-1	3/27	1506	GW
002	MW-3		1340	
003	MW-4		1425	
004	MW-5		1245	
005	MW-6		1140	
006	DUP		-	
007	Trip Blank		-	W

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed:
 Transmit Prelim Rush Results by (complete what you want):
 Email #1:
 Email #2:
 Telephone:
 Fax:
 Samples on HOLD are subject to special pricing and release of liability

Relinquished By: <i>[Signature]</i>	Date/Time: 3/27/18 1630	Received By: FEDEX	Date/Time: 3/27/18 1630
Relinquished By: Fedex	Date/Time: 3/28/18 1030	Received By: J. Selms pace	Date/Time: 3/28/18 1030
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No. 40166533
 Receipt Temp = *Ret* °C
 Sample Receipt pH OK/Adjusted
 Cooler Custody Seal Present / Not Present Intact / Not Intact

Client Name: KPRG

Sample Preservation Receipt Form
 Project # 40166533

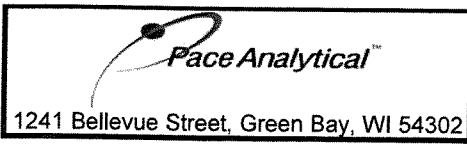
All containers needing preservation have been checked and noted below: Yes No N/A Lab Std #/ID of preservation (if pH adjusted):

Initial when completed: DR Date/Time:

Pace Lab #	Glass						Plastic						Vials				Jars			General		VOA Vials (>6mm) *	H ₂ SO ₄ pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO ₃ pH ≤2	pH after adjusted	Volume (mL)					
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU								WGFU	WPFU	SP5T	ZPLC	GN:
001																																	2.5 / 5 / 10
002																																	2.5 / 5 / 10
003																																	2.5 / 5 / 10
004																																	2.5 / 5 / 10
005																																	2.5 / 5 / 10
006																																	2.5 / 5 / 10
007																																	2.5 / 5 / 10
008																																	2.5 / 5 / 10
009																																	2.5 / 5 / 10
010																																	2.5 / 5 / 10
011																																	2.5 / 5 / 10
012																																	2.5 / 5 / 10
013																																	2.5 / 5 / 10
014																																	2.5 / 5 / 10
015																																	2.5 / 5 / 10
016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

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

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO ₃	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H ₂ SO ₄	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3C	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H ₂ SO ₄	BP3N	250 mL plastic HNO ₃	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H ₂ SO ₄			GN:	



Document Name:
Sample Condition Upon Receipt (SCUR)
Document No.:
F-GB-C-031-rev.06

Document Revised: 31Jan2018
Issuing Authority:
Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: KPRG

Project #: **WO#: 40166533**

40166533

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

Tracking #: 7718 5135 3213

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

Custody Seal on Samples Present: yes no ^{3/28/18} 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: ROD Corr: _____

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

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

Person examining contents:
Date: 3/28/18
Initials: DS

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 <input type="checkbox"/> N/A	5.
- 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 <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A MS/MSD <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	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 <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>387</u>		

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

Project Manager Review: AL for DM Date: 3/28/18

July 09, 2018

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

RE: Project: 24413 MILWAUKEE FABRICARE
Pace Project No.: 40171893

Dear Josh Davenport:

Enclosed are the analytical results for sample(s) received by the laboratory on July 02, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



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

Enclosures

cc: Patrick Allenstein, KPRG and Associates, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40171893

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

Pace Project No.: 40171893

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40171893001	MW-1	Water	06/29/18 11:10	07/02/18 14:30
40171893002	MW-3	Water	06/29/18 11:55	07/02/18 14:30
40171893003	MW-4	Water	06/29/18 12:30	07/02/18 14:30
40171893004	MW-5	Water	06/29/18 10:15	07/02/18 14:30
40171893005	MW-6	Water	06/29/18 10:30	07/02/18 14:30
40171893006	DUPLICATE	Water	06/29/18 00:00	07/02/18 14:30
40171893007	TRIP BLANK	Water	06/29/18 00:00	07/02/18 14:30

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SAMPLE ANALYTE COUNT

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40171893

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40171893001	MW-1	EPA 8260	MDS	64	PASI-G
40171893002	MW-3	EPA 8260	MDS	64	PASI-G
40171893003	MW-4	EPA 8260	MDS	64	PASI-G
40171893004	MW-5	EPA 8260	MDS	64	PASI-G
40171893005	MW-6	EPA 8260	MDS	64	PASI-G
40171893006	DUPLICATE	EPA 8260	MDS	64	PASI-G
40171893007	TRIP BLANK	EPA 8260	MDS	64	PASI-G

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SUMMARY OF DETECTION

Project: 24413 MILWAUKEE FABRICARE
Pace Project No.: 40171893

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40171893001	MW-1					
EPA 8260	cis-1,2-Dichloroethene	1.9	ug/L	1.0	07/06/18 21:42	
EPA 8260	trans-1,2-Dichloroethene	36.4	ug/L	1.0	07/06/18 21:42	
EPA 8260	Vinyl chloride	2.0	ug/L	1.0	07/06/18 21:42	
40171893002	MW-3					
EPA 8260	n-Butylbenzene	1.0	ug/L	1.0	07/09/18 09:56	
EPA 8260	cis-1,2-Dichloroethene	1.8	ug/L	1.0	07/09/18 09:56	
EPA 8260	trans-1,2-Dichloroethene	4.4	ug/L	1.0	07/09/18 09:56	
EPA 8260	Naphthalene	3.8J	ug/L	5.0	07/09/18 09:56	
EPA 8260	Tetrachloroethene	3.8	ug/L	1.0	07/09/18 09:56	
EPA 8260	1,2,4-Trimethylbenzene	1.3	ug/L	1.0	07/09/18 09:56	
EPA 8260	Vinyl chloride	1.3	ug/L	1.0	07/09/18 09:56	
40171893003	MW-4					
EPA 8260	Tetrachloroethene	1860	ug/L	40.0	07/06/18 23:34	
EPA 8260	Trichloroethene	51.9	ug/L	40.0	07/06/18 23:34	
40171893004	MW-5					
EPA 8260	Chloromethane	1.1	ug/L	1.0	07/06/18 22:04	
40171893006	DUPLICATE					
EPA 8260	cis-1,2-Dichloroethene	2.4	ug/L	1.0	07/06/18 22:49	
EPA 8260	trans-1,2-Dichloroethene	0.52J	ug/L	1.0	07/06/18 22:49	
EPA 8260	Tetrachloroethene	2040	ug/L	200	07/09/18 10:18	
EPA 8260	Trichloroethene	58.3	ug/L	1.0	07/06/18 22:49	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40171893

Sample: MW-1 **Lab ID: 40171893001** Collected: 06/29/18 11:10 Received: 07/02/18 14:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		07/06/18 21:42	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/06/18 21:42	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/06/18 21:42	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/06/18 21:42	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/06/18 21:42	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/06/18 21:42	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 21:42	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/06/18 21:42	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/06/18 21:42	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/06/18 21:42	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 21:42	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/06/18 21:42	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/06/18 21:42	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/06/18 21:42	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/06/18 21:42	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/06/18 21:42	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/06/18 21:42	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/06/18 21:42	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/06/18 21:42	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/06/18 21:42	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 21:42	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 21:42	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 21:42	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/06/18 21:42	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/06/18 21:42	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/06/18 21:42	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/06/18 21:42	75-35-4	
cis-1,2-Dichloroethene	1.9	ug/L	1.0	0.26	1		07/06/18 21:42	156-59-2	
trans-1,2-Dichloroethene	36.4	ug/L	1.0	0.26	1		07/06/18 21:42	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/06/18 21:42	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/06/18 21:42	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/06/18 21:42	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/06/18 21:42	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/06/18 21:42	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/06/18 21:42	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/06/18 21:42	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 21:42	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/06/18 21:42	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/06/18 21:42	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/06/18 21:42	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/06/18 21:42	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/06/18 21:42	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/06/18 21:42	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 21:42	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/06/18 21:42	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/06/18 21:42	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40171893

Sample: MW-1 **Lab ID: 40171893001** Collected: 06/29/18 11:10 Received: 07/02/18 14:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/06/18 21:42	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/06/18 21:42	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/06/18 21:42	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/06/18 21:42	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/06/18 21:42	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/06/18 21:42	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/06/18 21:42	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/06/18 21:42	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/06/18 21:42	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/06/18 21:42	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 21:42	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 21:42	108-67-8	
Vinyl chloride	2.0	ug/L	1.0	0.18	1		07/06/18 21:42	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/06/18 21:42	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/06/18 21:42	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		07/06/18 21:42	460-00-4	
Dibromofluoromethane (S)	114	%	70-130		1		07/06/18 21:42	1868-53-7	HS
Toluene-d8 (S)	93	%	70-130		1		07/06/18 21:42	2037-26-5	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40171893

Sample: MW-3 **Lab ID: 40171893002** Collected: 06/29/18 11:55 Received: 07/02/18 14:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		07/09/18 09:56	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/09/18 09:56	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/09/18 09:56	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/09/18 09:56	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/09/18 09:56	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/09/18 09:56	74-83-9	
n-Butylbenzene	1.0	ug/L	1.0	0.50	1		07/09/18 09:56	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/09/18 09:56	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/09/18 09:56	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/09/18 09:56	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/09/18 09:56	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/09/18 09:56	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/09/18 09:56	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/09/18 09:56	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/09/18 09:56	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/09/18 09:56	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/09/18 09:56	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/09/18 09:56	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/09/18 09:56	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/09/18 09:56	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/09/18 09:56	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/09/18 09:56	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/09/18 09:56	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/09/18 09:56	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/09/18 09:56	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/09/18 09:56	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/09/18 09:56	75-35-4	
cis-1,2-Dichloroethene	1.8	ug/L	1.0	0.26	1		07/09/18 09:56	156-59-2	
trans-1,2-Dichloroethene	4.4	ug/L	1.0	0.26	1		07/09/18 09:56	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/09/18 09:56	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/09/18 09:56	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/09/18 09:56	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/09/18 09:56	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/09/18 09:56	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/09/18 09:56	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/09/18 09:56	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/09/18 09:56	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/09/18 09:56	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/09/18 09:56	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/09/18 09:56	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/09/18 09:56	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/09/18 09:56	1634-04-4	
Naphthalene	3.8J	ug/L	5.0	2.5	1		07/09/18 09:56	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/09/18 09:56	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/09/18 09:56	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/09/18 09:56	630-20-6	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40171893

Sample: MW-3 **Lab ID: 40171893002** Collected: 06/29/18 11:55 Received: 07/02/18 14:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/09/18 09:56	79-34-5	
Tetrachloroethene	3.8	ug/L	1.0	0.50	1		07/09/18 09:56	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/09/18 09:56	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/09/18 09:56	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/09/18 09:56	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/09/18 09:56	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/09/18 09:56	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/09/18 09:56	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/09/18 09:56	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/09/18 09:56	96-18-4	
1,2,4-Trimethylbenzene	1.3	ug/L	1.0	0.50	1		07/09/18 09:56	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/09/18 09:56	108-67-8	
Vinyl chloride	1.3	ug/L	1.0	0.18	1		07/09/18 09:56	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/09/18 09:56	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/09/18 09:56	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		07/09/18 09:56	460-00-4	
Dibromofluoromethane (S)	124	%	70-130		1		07/09/18 09:56	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		07/09/18 09:56	2037-26-5	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40171893

Sample: MW-4 **Lab ID: 40171893003** Collected: 06/29/18 12:30 Received: 07/02/18 14:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<20.0	ug/L	40.0	20.0	40		07/06/18 23:34	71-43-2	
Bromobenzene	<9.2	ug/L	40.0	9.2	40		07/06/18 23:34	108-86-1	
Bromochloromethane	<13.6	ug/L	40.0	13.6	40		07/06/18 23:34	74-97-5	
Bromodichloromethane	<20.0	ug/L	40.0	20.0	40		07/06/18 23:34	75-27-4	
Bromoform	<20.0	ug/L	40.0	20.0	40		07/06/18 23:34	75-25-2	
Bromomethane	<97.4	ug/L	200	97.4	40		07/06/18 23:34	74-83-9	
n-Butylbenzene	<20.0	ug/L	40.0	20.0	40		07/06/18 23:34	104-51-8	
sec-Butylbenzene	<87.4	ug/L	200	87.4	40		07/06/18 23:34	135-98-8	
tert-Butylbenzene	<7.2	ug/L	40.0	7.2	40		07/06/18 23:34	98-06-6	
Carbon tetrachloride	<20.0	ug/L	40.0	20.0	40		07/06/18 23:34	56-23-5	
Chlorobenzene	<20.0	ug/L	40.0	20.0	40		07/06/18 23:34	108-90-7	
Chloroethane	<15.0	ug/L	40.0	15.0	40		07/06/18 23:34	75-00-3	
Chloroform	<100	ug/L	200	100	40		07/06/18 23:34	67-66-3	
Chloromethane	<20.0	ug/L	40.0	20.0	40		07/06/18 23:34	74-87-3	
2-Chlorotoluene	<20.0	ug/L	40.0	20.0	40		07/06/18 23:34	95-49-8	
4-Chlorotoluene	<8.5	ug/L	40.0	8.5	40		07/06/18 23:34	106-43-4	
1,2-Dibromo-3-chloropropane	<86.6	ug/L	200	86.6	40		07/06/18 23:34	96-12-8	
Dibromochloromethane	<20.0	ug/L	40.0	20.0	40		07/06/18 23:34	124-48-1	
1,2-Dibromoethane (EDB)	<7.1	ug/L	40.0	7.1	40		07/06/18 23:34	106-93-4	
Dibromomethane	<17.1	ug/L	40.0	17.1	40		07/06/18 23:34	74-95-3	
1,2-Dichlorobenzene	<20.0	ug/L	40.0	20.0	40		07/06/18 23:34	95-50-1	
1,3-Dichlorobenzene	<20.0	ug/L	40.0	20.0	40		07/06/18 23:34	541-73-1	
1,4-Dichlorobenzene	<20.0	ug/L	40.0	20.0	40		07/06/18 23:34	106-46-7	
Dichlorodifluoromethane	<9.0	ug/L	40.0	9.0	40		07/06/18 23:34	75-71-8	
1,1-Dichloroethane	<9.7	ug/L	40.0	9.7	40		07/06/18 23:34	75-34-3	
1,2-Dichloroethane	<6.7	ug/L	40.0	6.7	40		07/06/18 23:34	107-06-2	
1,1-Dichloroethene	<16.4	ug/L	40.0	16.4	40		07/06/18 23:34	75-35-4	
cis-1,2-Dichloroethene	<10.2	ug/L	40.0	10.2	40		07/06/18 23:34	156-59-2	
trans-1,2-Dichloroethene	<10.3	ug/L	40.0	10.3	40		07/06/18 23:34	156-60-5	
1,2-Dichloropropane	<9.3	ug/L	40.0	9.3	40		07/06/18 23:34	78-87-5	
1,3-Dichloropropane	<20.0	ug/L	40.0	20.0	40		07/06/18 23:34	142-28-9	
2,2-Dichloropropane	<19.4	ug/L	40.0	19.4	40		07/06/18 23:34	594-20-7	
1,1-Dichloropropene	<17.6	ug/L	40.0	17.6	40		07/06/18 23:34	563-58-6	
cis-1,3-Dichloropropene	<20.0	ug/L	40.0	20.0	40		07/06/18 23:34	10061-01-5	
trans-1,3-Dichloropropene	<9.2	ug/L	40.0	9.2	40		07/06/18 23:34	10061-02-6	
Diisopropyl ether	<20.0	ug/L	40.0	20.0	40		07/06/18 23:34	108-20-3	
Ethylbenzene	<20.0	ug/L	40.0	20.0	40		07/06/18 23:34	100-41-4	
Hexachloro-1,3-butadiene	<84.2	ug/L	200	84.2	40		07/06/18 23:34	87-68-3	
Isopropylbenzene (Cumene)	<5.7	ug/L	40.0	5.7	40		07/06/18 23:34	98-82-8	
p-Isopropyltoluene	<20.0	ug/L	40.0	20.0	40		07/06/18 23:34	99-87-6	
Methylene Chloride	<9.3	ug/L	40.0	9.3	40		07/06/18 23:34	75-09-2	
Methyl-tert-butyl ether	<7.0	ug/L	40.0	7.0	40		07/06/18 23:34	1634-04-4	
Naphthalene	<100	ug/L	200	100	40		07/06/18 23:34	91-20-3	
n-Propylbenzene	<20.0	ug/L	40.0	20.0	40		07/06/18 23:34	103-65-1	
Styrene	<20.0	ug/L	40.0	20.0	40		07/06/18 23:34	100-42-5	
1,1,1,2-Tetrachloroethane	<7.2	ug/L	40.0	7.2	40		07/06/18 23:34	630-20-6	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40171893

Sample: MW-4 **Lab ID: 40171893003** Collected: 06/29/18 12:30 Received: 07/02/18 14:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<10	ug/L	40.0	10	40		07/06/18 23:34	79-34-5	
Tetrachloroethene	1860	ug/L	40.0	20.0	40		07/06/18 23:34	127-18-4	
Toluene	<20.0	ug/L	40.0	20.0	40		07/06/18 23:34	108-88-3	
1,2,3-Trichlorobenzene	<85.3	ug/L	200	85.3	40		07/06/18 23:34	87-61-6	
1,2,4-Trichlorobenzene	<88.4	ug/L	200	88.4	40		07/06/18 23:34	120-82-1	
1,1,1-Trichloroethane	<20.0	ug/L	40.0	20.0	40		07/06/18 23:34	71-55-6	
1,1,2-Trichloroethane	<7.9	ug/L	40.0	7.9	40		07/06/18 23:34	79-00-5	
Trichloroethene	51.9	ug/L	40.0	13.2	40		07/06/18 23:34	79-01-6	
Trichlorofluoromethane	<7.4	ug/L	40.0	7.4	40		07/06/18 23:34	75-69-4	
1,2,3-Trichloropropane	<20.0	ug/L	40.0	20.0	40		07/06/18 23:34	96-18-4	
1,2,4-Trimethylbenzene	<20.0	ug/L	40.0	20.0	40		07/06/18 23:34	95-63-6	
1,3,5-Trimethylbenzene	<20.0	ug/L	40.0	20.0	40		07/06/18 23:34	108-67-8	
Vinyl chloride	<7.0	ug/L	40.0	7.0	40		07/06/18 23:34	75-01-4	
m&p-Xylene	<40.0	ug/L	80.0	40.0	40		07/06/18 23:34	179601-23-1	
o-Xylene	<20.0	ug/L	40.0	20.0	40		07/06/18 23:34	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		40		07/06/18 23:34	460-00-4	
Dibromofluoromethane (S)	117	%	70-130		40		07/06/18 23:34	1868-53-7	
Toluene-d8 (S)	91	%	70-130		40		07/06/18 23:34	2037-26-5	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40171893

Sample: MW-5 **Lab ID: 40171893004** Collected: 06/29/18 10:15 Received: 07/02/18 14:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:04	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/06/18 22:04	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/06/18 22:04	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/06/18 22:04	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/06/18 22:04	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/06/18 22:04	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:04	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/06/18 22:04	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/06/18 22:04	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/06/18 22:04	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:04	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/06/18 22:04	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/06/18 22:04	67-66-3	
Chloromethane	1.1	ug/L	1.0	0.50	1		07/06/18 22:04	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:04	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/06/18 22:04	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/06/18 22:04	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/06/18 22:04	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/06/18 22:04	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/06/18 22:04	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:04	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:04	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:04	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/06/18 22:04	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/06/18 22:04	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/06/18 22:04	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/06/18 22:04	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/06/18 22:04	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/06/18 22:04	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/06/18 22:04	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/06/18 22:04	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/06/18 22:04	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/06/18 22:04	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:04	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/06/18 22:04	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/06/18 22:04	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:04	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/06/18 22:04	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/06/18 22:04	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:04	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/06/18 22:04	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/06/18 22:04	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/06/18 22:04	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:04	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:04	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/06/18 22:04	630-20-6	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40171893

Sample: MW-5 **Lab ID: 40171893004** Collected: 06/29/18 10:15 Received: 07/02/18 14:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/06/18 22:04	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:04	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:04	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/06/18 22:04	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/06/18 22:04	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/06/18 22:04	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/06/18 22:04	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/06/18 22:04	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/06/18 22:04	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/06/18 22:04	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:04	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:04	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/06/18 22:04	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/06/18 22:04	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		07/06/18 22:04	460-00-4	
Dibromofluoromethane (S)	113	%	70-130		1		07/06/18 22:04	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		07/06/18 22:04	2037-26-5	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40171893

Sample: MW-6 **Lab ID: 40171893005** Collected: 06/29/18 10:30 Received: 07/02/18 14:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:27	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/06/18 22:27	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/06/18 22:27	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/06/18 22:27	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/06/18 22:27	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/06/18 22:27	74-83-9	R1
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:27	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/06/18 22:27	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/06/18 22:27	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/06/18 22:27	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:27	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/06/18 22:27	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/06/18 22:27	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/06/18 22:27	74-87-3	M1,R1
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:27	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/06/18 22:27	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/06/18 22:27	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/06/18 22:27	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/06/18 22:27	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/06/18 22:27	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:27	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:27	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:27	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/06/18 22:27	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/06/18 22:27	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/06/18 22:27	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/06/18 22:27	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/06/18 22:27	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/06/18 22:27	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/06/18 22:27	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/06/18 22:27	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/06/18 22:27	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/06/18 22:27	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:27	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/06/18 22:27	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/06/18 22:27	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:27	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/06/18 22:27	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/06/18 22:27	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:27	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/06/18 22:27	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/06/18 22:27	1634-04-4	R1
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/06/18 22:27	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:27	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:27	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/06/18 22:27	630-20-6	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40171893

Sample: MW-6 **Lab ID: 40171893005** Collected: 06/29/18 10:30 Received: 07/02/18 14:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/06/18 22:27	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:27	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:27	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/06/18 22:27	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/06/18 22:27	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/06/18 22:27	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/06/18 22:27	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/06/18 22:27	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/06/18 22:27	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/06/18 22:27	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:27	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:27	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/06/18 22:27	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/06/18 22:27	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:27	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		07/06/18 22:27	460-00-4	
Dibromofluoromethane (S)	113	%	70-130		1		07/06/18 22:27	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		07/06/18 22:27	2037-26-5	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40171893

Sample: DUPLICATE **Lab ID: 40171893006** Collected: 06/29/18 00:00 Received: 07/02/18 14:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:49	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/06/18 22:49	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/06/18 22:49	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/06/18 22:49	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/06/18 22:49	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/06/18 22:49	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:49	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/06/18 22:49	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/06/18 22:49	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/06/18 22:49	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:49	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/06/18 22:49	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/06/18 22:49	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/06/18 22:49	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:49	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/06/18 22:49	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/06/18 22:49	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/06/18 22:49	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/06/18 22:49	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/06/18 22:49	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:49	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:49	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:49	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/06/18 22:49	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/06/18 22:49	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/06/18 22:49	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/06/18 22:49	75-35-4	
cis-1,2-Dichloroethene	2.4	ug/L	1.0	0.26	1		07/06/18 22:49	156-59-2	
trans-1,2-Dichloroethene	0.52J	ug/L	1.0	0.26	1		07/06/18 22:49	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/06/18 22:49	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/06/18 22:49	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/06/18 22:49	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/06/18 22:49	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:49	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/06/18 22:49	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/06/18 22:49	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:49	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/06/18 22:49	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/06/18 22:49	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:49	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/06/18 22:49	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/06/18 22:49	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/06/18 22:49	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:49	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:49	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/06/18 22:49	630-20-6	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40171893

Sample: DUPLICATE **Lab ID: 40171893006** Collected: 06/29/18 00:00 Received: 07/02/18 14:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/06/18 22:49	79-34-5	
Tetrachloroethene	2040	ug/L	200	100	200		07/09/18 10:18	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:49	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/06/18 22:49	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/06/18 22:49	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/06/18 22:49	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/06/18 22:49	79-00-5	
Trichloroethene	58.3	ug/L	1.0	0.33	1		07/06/18 22:49	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/06/18 22:49	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/06/18 22:49	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:49	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:49	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/06/18 22:49	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/06/18 22:49	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/06/18 22:49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		07/06/18 22:49	460-00-4	
Dibromofluoromethane (S)	114	%	70-130		1		07/06/18 22:49	1868-53-7	
Toluene-d8 (S)	90	%	70-130		1		07/06/18 22:49	2037-26-5	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40171893

Sample: TRIP BLANK **Lab ID: 40171893007** Collected: 06/29/18 00:00 Received: 07/02/18 14:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		07/06/18 16:07	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/06/18 16:07	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/06/18 16:07	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/06/18 16:07	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/06/18 16:07	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/06/18 16:07	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 16:07	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/06/18 16:07	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/06/18 16:07	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/06/18 16:07	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 16:07	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/06/18 16:07	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/06/18 16:07	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/06/18 16:07	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/06/18 16:07	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/06/18 16:07	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/06/18 16:07	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/06/18 16:07	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/06/18 16:07	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/06/18 16:07	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 16:07	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 16:07	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 16:07	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/06/18 16:07	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/06/18 16:07	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/06/18 16:07	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/06/18 16:07	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/06/18 16:07	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/06/18 16:07	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/06/18 16:07	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/06/18 16:07	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/06/18 16:07	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/06/18 16:07	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/06/18 16:07	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/06/18 16:07	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/06/18 16:07	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 16:07	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/06/18 16:07	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/06/18 16:07	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/06/18 16:07	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/06/18 16:07	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/06/18 16:07	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/06/18 16:07	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 16:07	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/06/18 16:07	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/06/18 16:07	630-20-6	

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ANALYTICAL RESULTS

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40171893

Sample: TRIP BLANK **Lab ID: 40171893007** Collected: 06/29/18 00:00 Received: 07/02/18 14:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/06/18 16:07	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/06/18 16:07	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/06/18 16:07	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/06/18 16:07	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/06/18 16:07	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/06/18 16:07	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/06/18 16:07	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/06/18 16:07	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/06/18 16:07	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/06/18 16:07	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 16:07	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/06/18 16:07	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/06/18 16:07	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/06/18 16:07	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/06/18 16:07	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		07/06/18 16:07	460-00-4	
Dibromofluoromethane (S)	120	%	70-130		1		07/06/18 16:07	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		07/06/18 16:07	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40171893

QC Batch: 293634 Analysis Method: EPA 8260

QC Batch Method: EPA 8260 Analysis Description: 8260 MSV

Associated Lab Samples: 40171893001, 40171893002, 40171893003, 40171893004, 40171893005, 40171893006, 40171893007

METHOD BLANK: 1717463 Matrix: Water

Associated Lab Samples: 40171893001, 40171893002, 40171893003, 40171893004, 40171893005, 40171893006, 40171893007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	07/06/18 15:00	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	07/06/18 15:00	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	07/06/18 15:00	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	07/06/18 15:00	
1,1-Dichloroethane	ug/L	<0.24	1.0	07/06/18 15:00	
1,1-Dichloroethene	ug/L	<0.41	1.0	07/06/18 15:00	
1,1-Dichloropropene	ug/L	<0.44	1.0	07/06/18 15:00	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	07/06/18 15:00	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	07/06/18 15:00	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	07/06/18 15:00	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	07/06/18 15:00	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	07/06/18 15:00	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	07/06/18 15:00	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	07/06/18 15:00	
1,2-Dichloroethane	ug/L	<0.17	1.0	07/06/18 15:00	
1,2-Dichloropropane	ug/L	<0.23	1.0	07/06/18 15:00	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	07/06/18 15:00	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	07/06/18 15:00	
1,3-Dichloropropane	ug/L	<0.50	1.0	07/06/18 15:00	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	07/06/18 15:00	
2,2-Dichloropropane	ug/L	<0.48	1.0	07/06/18 15:00	
2-Chlorotoluene	ug/L	<0.50	1.0	07/06/18 15:00	
4-Chlorotoluene	ug/L	<0.21	1.0	07/06/18 15:00	
Benzene	ug/L	<0.50	1.0	07/06/18 15:00	
Bromobenzene	ug/L	<0.23	1.0	07/06/18 15:00	
Bromochloromethane	ug/L	<0.34	1.0	07/06/18 15:00	
Bromodichloromethane	ug/L	<0.50	1.0	07/06/18 15:00	
Bromoform	ug/L	<0.50	1.0	07/06/18 15:00	
Bromomethane	ug/L	<2.4	5.0	07/06/18 15:00	
Carbon tetrachloride	ug/L	<0.50	1.0	07/06/18 15:00	
Chlorobenzene	ug/L	<0.50	1.0	07/06/18 15:00	
Chloroethane	ug/L	<0.37	1.0	07/06/18 15:00	
Chloroform	ug/L	<2.5	5.0	07/06/18 15:00	
Chloromethane	ug/L	<0.50	1.0	07/06/18 15:00	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	07/06/18 15:00	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	07/06/18 15:00	
Dibromochloromethane	ug/L	<0.50	1.0	07/06/18 15:00	
Dibromomethane	ug/L	<0.43	1.0	07/06/18 15:00	
Dichlorodifluoromethane	ug/L	<0.22	1.0	07/06/18 15:00	
Diisopropyl ether	ug/L	<0.50	1.0	07/06/18 15:00	
Ethylbenzene	ug/L	<0.50	1.0	07/06/18 15:00	

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QUALITY CONTROL DATA

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40171893

METHOD BLANK: 1717463

Matrix: Water

Associated Lab Samples: 40171893001, 40171893002, 40171893003, 40171893004, 40171893005, 40171893006, 40171893007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	07/06/18 15:00	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	07/06/18 15:00	
m&p-Xylene	ug/L	<1.0	2.0	07/06/18 15:00	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	07/06/18 15:00	
Methylene Chloride	ug/L	<0.23	1.0	07/06/18 15:00	
n-Butylbenzene	ug/L	<0.50	1.0	07/06/18 15:00	
n-Propylbenzene	ug/L	<0.50	1.0	07/06/18 15:00	
Naphthalene	ug/L	<2.5	5.0	07/06/18 15:00	
o-Xylene	ug/L	<0.50	1.0	07/06/18 15:00	
p-Isopropyltoluene	ug/L	<0.50	1.0	07/06/18 15:00	
sec-Butylbenzene	ug/L	<2.2	5.0	07/06/18 15:00	
Styrene	ug/L	<0.50	1.0	07/06/18 15:00	
tert-Butylbenzene	ug/L	<0.18	1.0	07/06/18 15:00	
Tetrachloroethene	ug/L	<0.50	1.0	07/06/18 15:00	
Toluene	ug/L	<0.50	1.0	07/06/18 15:00	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	07/06/18 15:00	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	07/06/18 15:00	
Trichloroethene	ug/L	<0.33	1.0	07/06/18 15:00	
Trichlorofluoromethane	ug/L	<0.18	1.0	07/06/18 15:00	
Vinyl chloride	ug/L	<0.18	1.0	07/06/18 15:00	
4-Bromofluorobenzene (S)	%	84	70-130	07/06/18 15:00	
Dibromofluoromethane (S)	%	119	70-130	07/06/18 15:00	
Toluene-d8 (S)	%	91	70-130	07/06/18 15:00	

LABORATORY CONTROL SAMPLE: 1717464

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.6	99	70-133	
1,1,1,2-Tetrachloroethane	ug/L	50	53.4	107	67-130	
1,1,2-Trichloroethane	ug/L	50	54.2	108	70-130	
1,1-Dichloroethane	ug/L	50	63.9	128	70-134	
1,1-Dichloroethene	ug/L	50	59.9	120	75-132	
1,2,4-Trichlorobenzene	ug/L	50	44.1	88	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	42.4	85	60-126	
1,2-Dibromoethane (EDB)	ug/L	50	52.3	105	70-130	
1,2-Dichlorobenzene	ug/L	50	51.7	103	70-130	
1,2-Dichloroethane	ug/L	50	57.7	115	73-134	
1,2-Dichloropropane	ug/L	50	58.4	117	79-128	
1,3-Dichlorobenzene	ug/L	50	51.1	102	70-130	
1,4-Dichlorobenzene	ug/L	50	54.3	109	70-130	
Benzene	ug/L	50	55.4	111	69-137	
Bromodichloromethane	ug/L	50	57.7	115	70-130	
Bromoform	ug/L	50	46.7	93	64-133	
Bromomethane	ug/L	50	35.7	71	29-123	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40171893

LABORATORY CONTROL SAMPLE: 1717464

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	53.5	107	73-142	
Chlorobenzene	ug/L	50	54.0	108	70-130	
Chloroethane	ug/L	50	56.8	114	59-133	
Chloroform	ug/L	50	56.8	114	80-129	
Chloromethane	ug/L	50	37.2	74	27-125	
cis-1,2-Dichloroethene	ug/L	50	53.5	107	70-134	
cis-1,3-Dichloropropene	ug/L	50	47.0	94	70-130	
Dibromochloromethane	ug/L	50	51.0	102	70-130	
Dichlorodifluoromethane	ug/L	50	20.2	40	12-127	
Ethylbenzene	ug/L	50	53.0	106	86-127	
Isopropylbenzene (Cumene)	ug/L	50	52.4	105	70-130	
m&p-Xylene	ug/L	100	110	110	70-131	
Methyl-tert-butyl ether	ug/L	50	46.5	93	65-136	
Methylene Chloride	ug/L	50	62.0	124	72-133	
o-Xylene	ug/L	50	53.1	106	70-130	
Styrene	ug/L	50	54.3	109	70-130	
Tetrachloroethene	ug/L	50	50.0	100	70-130	
Toluene	ug/L	50	50.7	101	84-124	
trans-1,2-Dichloroethene	ug/L	50	60.1	120	70-133	
trans-1,3-Dichloropropene	ug/L	50	45.3	91	67-130	
Trichloroethene	ug/L	50	54.5	109	70-130	
Trichlorofluoromethane	ug/L	50	57.2	114	69-147	
Vinyl chloride	ug/L	50	46.5	93	48-134	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			109	70-130	
Toluene-d8 (S)	%			92	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1718141 1718142

Parameter	Units	40171893005		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	<0.50	50	50	49.5	51.2	99	102	70-136	3	20			
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	56.4	55.6	113	111	67-133	1	20			
1,1,2-Trichloroethane	ug/L	<0.20	50	50	53.5	54.6	107	109	70-130	2	20			
1,1-Dichloroethane	ug/L	<0.24	50	50	54.3	65.4	109	131	70-139	19	20			
1,1-Dichloroethene	ug/L	<0.41	50	50	59.9	60.4	120	121	72-137	1	20			
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	45.7	48.3	91	97	68-130	6	20			
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	48.1	48.0	96	96	60-130	0	21			
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	52.0	53.4	104	107	70-130	3	20			
1,2-Dichlorobenzene	ug/L	<0.50	50	50	52.8	54.0	106	108	70-130	2	20			
1,2-Dichloroethane	ug/L	<0.17	50	50	56.2	57.5	112	115	71-137	2	20			
1,2-Dichloropropane	ug/L	<0.23	50	50	57.4	59.4	115	119	78-130	3	20			
1,3-Dichlorobenzene	ug/L	<0.50	50	50	50.6	53.8	101	108	70-130	6	20			
1,4-Dichlorobenzene	ug/L	<0.50	50	50	55.4	54.9	111	110	70-130	1	20			

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QUALITY CONTROL DATA

Project: 24413 MILWAUKEE FABRICARE

Peace Project No.: 40171893

Parameter	Units	40171893005		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Benzene	ug/L	<0.50	50	50	55.5	55.8	111	112	66-143	1	20		
Bromodichloromethane	ug/L	<0.50	50	50	58.2	58.6	116	117	70-130	1	20		
Bromoform	ug/L	<0.50	50	50	46.6	48.1	93	96	64-134	3	20		
Bromomethane	ug/L	<2.4	50	50	29.8	46.3	60	93	29-136	43	25	R1	
Carbon tetrachloride	ug/L	<0.50	50	50	53.4	54.9	107	110	73-142	3	20		
Chlorobenzene	ug/L	<0.50	50	50	54.3	55.2	109	110	70-130	2	20		
Chloroethane	ug/L	<0.37	50	50	55.7	57.7	111	115	58-138	4	20		
Chloroform	ug/L	<2.5	50	50	55.8	56.9	112	114	80-131	2	20		
Chloromethane	ug/L	<0.50	50	50	35.4	82.7	71	165	24-125	80	20	M1, R1	
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	52.0	53.5	104	107	68-137	3	22		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	45.3	47.7	91	95	70-130	5	20		
Dibromochloromethane	ug/L	<0.50	50	50	51.0	52.7	102	105	70-131	3	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	23.2	23.1	46	46	10-127	1	20		
Ethylbenzene	ug/L	<0.50	50	50	52.7	54.6	105	109	81-136	4	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	51.9	53.1	104	106	70-132	2	20		
m&p-Xylene	ug/L	<1.0	100	100	109	112	109	112	70-135	2	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	34.2	47.7	68	95	58-142	33	23	R1	
Methylene Chloride	ug/L	<0.23	50	50	55.1	62.0	110	124	69-137	12	20		
o-Xylene	ug/L	<0.50	50	50	52.7	53.7	105	107	70-132	2	20		
Styrene	ug/L	<0.50	50	50	52.6	54.8	105	110	70-130	4	20		
Tetrachloroethene	ug/L	<0.50	50	50	50.0	51.4	100	103	70-132	3	20		
Toluene	ug/L	<0.50	50	50	51.1	51.9	102	104	81-130	2	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	53.7	61.7	107	123	70-136	14	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	39.0	45.8	78	92	67-130	16	20		
Trichloroethene	ug/L	<0.33	50	50	55.9	56.6	112	113	70-131	1	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	57.7	59.8	115	120	66-150	4	20		
Vinyl chloride	ug/L	<0.18	50	50	47.1	50.0	94	100	46-134	6	20		
4-Bromofluorobenzene (S)	%						96	96	70-130				
Dibromofluoromethane (S)	%						105	108	70-130				
Toluene-d8 (S)	%						91	93	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40171893

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

ANALYTE QUALIFIERS

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

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

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 24413 MILWAUKEE FABRICARE

Pace Project No.: 40171893

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40171893001	MW-1	EPA 8260	293634		
40171893002	MW-3	EPA 8260	293634		
40171893003	MW-4	EPA 8260	293634		
40171893004	MW-5	EPA 8260	293634		
40171893005	MW-6	EPA 8260	293634		
40171893006	DUPLICATE	EPA 8260	293634		
40171893007	TRIP BLANK	EPA 8260	293634		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name:	KPRG and ASSOCIATES, INC.
Branch/Location:	BROOKFIELD, WI 53005
Project Contact:	JOSH DAVENPORT
Phone:	262-761-0475
Project Number:	24413
Project Name:	MILWAUKEE FABRICARE
Project State:	WI
Sampled By (Print):	JOSH DAVENPORT
Sampled By (Sign):	<i>JD</i>
PO #:	
Regulatory Program:	

UPPER MIDWEST REGION

Page 1 of 1

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

40171893



CHAIN OF CUSTODY

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

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

Y/N	Pick Letter	Analyses Requested
N	B	VOC

Quote #:	
Mail To Contact:	JOSH DAVENPORT
Mail To Company:	KPRG and ASSOCIATES, INC.
Mail To Address:	14665 W. LISBON RD, STE 2B BROOKFIELD, WI 53005
Invoice To Contact:	JOSH
Invoice To Company:	KPRG
Invoice To Address:	SAME
Invoice To Phone:	
CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)
	Profile #

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Data Package Options (billable) <input type="checkbox"/> EPA Level III <input type="checkbox"/> EPA Level IV		MS/MSD <input type="checkbox"/> On your sample (billable) <input type="checkbox"/> NOT needed on your sample		Matrix Codes A = Air W = Water B = Biota DW = Drinking Water C = Charcoal GW = Ground Water O = Oil SW = Surface Water S = Soil WW = Waste Water SI = Sludge WP = Wipe	
--	--	---	--	---	--

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Analyses Requested
		DATE	TIME		
001	MW-1	6/29	11:10	GW	X
002	MW-3		11:55		X
003	MW-4		12:30		X
004	MW-5		10:15		X
005	MW-6		10:30		X
006	DUPLICATE	-	-		X
007	TRIP BLANK	-	-	W	X

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

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

Email #1: _____

Email #2: _____

Telephone: _____

Fax: _____

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

Relinquished By: <i>JD</i>	Date/Time: 7/2/18 10:27
Relinquished By: <i>Mary Fanni</i>	Date/Time: 7/2/18 1300
Relinquished By: <i>Mary Fanni</i>	Date/Time: 7/2/18 1430
Relinquished By: _____	Date/Time: _____
Relinquished By: _____	Date/Time: _____

Received By: <i>Mary Fanni</i>	Date/Time: 7/2/18 10:27
Received By: <i>Robert Pan</i>	Date/Time: 7/2/18 1300
Received By: <i>JD</i>	Date/Time: 7/2/18 1430
Received By: _____	Date/Time: _____
Received By: _____	Date/Time: _____

PACE Project No. 40171893

Receipt Temp = 2.5 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Sample Preservation Receipt Form

Client Name: KPRG

Project # 40171893

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

Initial when completed:

Date/Time:

Lab Lot# of pH paper:

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

Pace Lab #	Glass							Plastic							Vials				Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)	
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T								ZPLC
001																	3															2.5 / 5 / 10
002																	3															2.5 / 5 / 10
003																	3															2.5 / 5 / 10
004																	3															2.5 / 5 / 10
005																	3															2.5 / 5 / 10
006																	3															2.5 / 5 / 10
007																	1															2.5 / 5 / 10
008																																2.5 / 5 / 10
009																																2.5 / 5 / 10
010																																2.5 / 5 / 10
011																																2.5 / 5 / 10
012																																2.5 / 5 / 10
013																																2.5 / 5 / 10
014																																2.5 / 5 / 10
015																																2.5 / 5 / 10
016																																2.5 / 5 / 10
017																																2.5 / 5 / 10
018																																2.5 / 5 / 10
019																																2.5 / 5 / 10
020																																2.5 / 5 / 10

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

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3C	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	



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

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

Sample Condition Upon Receipt Form (SCUR)

Client Name: ARZL

Project #:

WO#: 40171893

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 - 76 Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 2.0 / Corr: 2.5

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

Person examining contents:

Date: 7/2/18

Initials: JM

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. ESS sampler
-Pace Containers Used:	<input type="checkbox"/> Yes <input checked="" 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	JM 7/2/18
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12. NO time for ID's oob test, but match COC. label for COC on bubble wrap. JM 7/2/18
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. ESS sampler.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>N/A</u>		JM 7/2/18

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: ARZL for DM

Date: 7/2/18

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	

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									
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	

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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	

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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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REPORT OF LABORATORY ANALYSIS

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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	
1,1,2,2-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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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							
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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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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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	

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

REPORT OF LABORATORY ANALYSIS

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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

REPORT OF LABORATORY ANALYSIS

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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		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: **KPRG and Assoc.**
 Branch/Location: **Brookfield, WI**
 Project Contact: **Richard Gnat**
 Phone: **262-781-0475**
 Project Number: **24413**
 Project Name: **Milwaukee Fabricare PERP**
 Project State: **WI**
 Sampled By (Print): **Erin Bulson + Mitch Dolan**
 Sampled By (Sign): **Erin Bulson**



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

40176427
 Page 1 of 29

CHAIN OF CUSTODY

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

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

Y/N	N																				
	B																				
Analysis Requested		VOC's																			
		X																			
		X																			
		X																			
		X																			
		X																			
		X																			

Quote #: **40176427**

Mail To Contact: **Richard Gnat**

Mail To Company: **KPRG and Assoc. Inc.**

Mail To Address: **14665 W. Lisbon Rd. #1A Brookfield, WI 53005**

Invoice To Contact: **Rich Gnat**

Invoice To Company: **KPRG and ASSOC.**

Invoice To Address: **14665 W. Lisbon Rd #1A Brookfield, WI 53005**

Invoice To Phone: **262-781-0475**

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	MW-2	9-21	1120	GW
002	MW-3	9-21	1200	GW
003	MW-4	9-21	1230	GW
004	MW-5	9-21	1300	GW
005	MW-6	9-21	1320	GW
006	Duplicate	9-21	-	GW

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

Relinquished By: **[Signature]** Date/Time: **9-24-18 10:55**

Received By: **May Fannin** Date/Time: **9/24/18 10:55**

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

Relinquished By: **May Fannin** Date/Time: **9/24/18 1420**

Received By: **May Fannin** Date/Time: **9/24/18 1420**

Relinquished By: **CS Justice** Date/Time: **9/25/18 10:55**

Received By: **Paul Pece** Date/Time: **9/25/18 10:55**

Relinquished By: _____ Date/Time: _____

Received By: _____ Date/Time: _____

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

Relinquished By: _____ Date/Time: _____

Received By: _____ Date/Time: _____

PACE Project No. **40176427**

Receipt Temp = **5** °C

Sample Receipt pH **OK/Adjusted**

Cooler Custody Seal Present / Not Present **Intact / Not Intact**

KPRG

Sample Preservation Receipt Form

Client Name: _____

Project # 40176427

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

Lab Lot# of pH paper: _____

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

Initial when completed: _____

Date/Time: _____

Pace Lab #	Glass							Plastic							Vials				Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)							
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T								ZPLC	GN					
001																																						2.5 / 5 / 10
002																																						2.5 / 5 / 10
003																																						2.5 / 5 / 10
004																																						2.5 / 5 / 10
005																																						2.5 / 5 / 10
006																																						2.5 / 5 / 10
007																																						2.5 / 5 / 10
008																																						2.5 / 5 / 10
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014																																						2.5 / 5 / 10
015																																						2.5 / 5 / 10
016																																						2.5 / 5 / 10
017																																						2.5 / 5 / 10
018																																						2.5 / 5 / 10
019																																						2.5 / 5 / 10
020																																						2.5 / 5 / 10

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

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3C	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	



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

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

Sample Condition Upon Receipt Form (SCUR)

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</u> <u>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 - 1240/10 date, 005 - 1305, 9/25/18

Project Manager Review: [Signature]

Date: 9/25/18