



August 2, 2019

BRIAN EICHINGER
2720 MURRAY ROAD
NEENAH WI 54956

SUBJECT: Notification of Groundwater Sampling Results
Lakewood DX, 15761 East Chain Lake Road, Lakewood, WI
BRRTS Activity # 02-43-000105

Dear Mr. Eichinger:

Please find the attached results from the July 19, 2019 sampling of the water supply well that serves your property and the groundwater monitoring well, MW-8A, on your property at 15778 State Highway 32. As part of the cleanup for the Lakewood DX site, these wells were sampled. The samples were collected by GEI, a consultant hired by the Department of Natural Resources (DNR) for the work associated with the Lakewood DX site. The samples collected were analyzed for volatile organic compounds (VOCs).

The test results show that Trichloroethene was detected in the water supply well that serves the property above the public health preventive action limit. The test results from the water supply well following treatment show that none of these compounds were detected at concentrations above the public health related drinking water standards. It is advisable that the treatment system in the home continue to be maintained. To summarize, the Trichloroethene detected in the water supply well is being treated such that following treatment the compounds were either undetected or were within acceptable ranges. Trichloroethene was also detected in the groundwater monitoring well, MW-8A above the preventive action limit. Please refer to the attached laboratory analytical report.

If you have any questions, please contact me at (920) 662-5443 or by email to Sarah.Krueger@wisconsin.gov.

Sincerely,



Sarah Krueger
Project Manager
Remediation & Redevelopment Program

att. Laboratory Analytical Report

July 24, 2019

Roger Miller
GEI Consultants, Inc.
3159 Voyager Drive
Green Bay, WI 54311

RE: Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191652

Dear Roger Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on July 22, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191652

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: 1902344 LAKEWOOD DX

Pace Project No.: 40191652

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40191652001	MW-8A	Water	07/19/19 12:55	07/22/19 08:30
40191652002	PW-7	Water	07/19/19 12:30	07/22/19 08:30
40191652003	PW-8	Water	07/19/19 12:35	07/22/19 08:30

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SAMPLE ANALYTE COUNT

Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191652

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40191652001	MW-8A	EPA 8260	HNW	64	PASI-G
40191652002	PW-7	EPA 8260	HNW	64	PASI-G
40191652003	PW-8	EPA 8260	HNW	64	PASI-G

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SUMMARY OF DETECTION

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191652

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40191652001	MW-8A					
EPA 8260	cis-1,2-Dichloroethene	3.1	ug/L	1.0	07/23/19 14:21	
EPA 8260	Trichloroethene	0.67J	ug/L	1.0	07/23/19 14:21	
40191652002	PW-7					
EPA 8260	cis-1,2-Dichloroethene	1.7	ug/L	1.0	07/23/19 14:42	
EPA 8260	Trichloroethene	1.3	ug/L	1.0	07/23/19 14:42	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191652

Sample: MW-8A **Lab ID: 40191652001** Collected: 07/19/19 12:55 Received: 07/22/19 08:30 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		07/23/19 14:21	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/23/19 14:21	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/23/19 14:21	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/23/19 14:21	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/23/19 14:21	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/23/19 14:21	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 14:21	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/23/19 14:21	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/23/19 14:21	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		07/23/19 14:21	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 14:21	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/23/19 14:21	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/23/19 14:21	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/23/19 14:21	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/23/19 14:21	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/23/19 14:21	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/23/19 14:21	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/23/19 14:21	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/23/19 14:21	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/23/19 14:21	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 14:21	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/19 14:21	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/23/19 14:21	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/23/19 14:21	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 14:21	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 14:21	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/23/19 14:21	75-35-4	
cis-1,2-Dichloroethene	3.1	ug/L	1.0	0.27	1		07/23/19 14:21	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		07/23/19 14:21	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/23/19 14:21	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/23/19 14:21	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/23/19 14:21	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/23/19 14:21	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/23/19 14:21	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/23/19 14:21	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/23/19 14:21	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		07/23/19 14:21	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		07/23/19 14:21	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		07/23/19 14:21	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/23/19 14:21	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/23/19 14:21	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/23/19 14:21	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/23/19 14:21	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/23/19 14:21	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		07/23/19 14:21	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 14:21	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191652

Sample: MW-8A **Lab ID: 40191652001** Collected: 07/19/19 12:55 Received: 07/22/19 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 14:21	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/23/19 14:21	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		07/23/19 14:21	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		07/23/19 14:21	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/23/19 14:21	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/23/19 14:21	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/23/19 14:21	79-00-5	
Trichloroethene	0.67J	ug/L	1.0	0.26	1		07/23/19 14:21	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/23/19 14:21	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/23/19 14:21	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/23/19 14:21	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/23/19 14:21	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/23/19 14:21	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/23/19 14:21	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/23/19 14:21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/23/19 14:21	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		07/23/19 14:21	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		07/23/19 14:21	2037-26-5	

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191652

Sample: PW-7 **Lab ID: 40191652002** Collected: 07/19/19 12:30 Received: 07/22/19 08:30 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		07/23/19 14:42	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/23/19 14:42	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/23/19 14:42	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/23/19 14:42	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/23/19 14:42	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/23/19 14:42	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 14:42	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/23/19 14:42	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/23/19 14:42	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		07/23/19 14:42	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 14:42	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/23/19 14:42	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/23/19 14:42	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/23/19 14:42	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/23/19 14:42	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/23/19 14:42	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/23/19 14:42	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/23/19 14:42	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/23/19 14:42	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/23/19 14:42	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 14:42	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/19 14:42	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/23/19 14:42	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/23/19 14:42	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 14:42	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 14:42	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/23/19 14:42	75-35-4	
cis-1,2-Dichloroethene	1.7	ug/L	1.0	0.27	1		07/23/19 14:42	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		07/23/19 14:42	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/23/19 14:42	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/23/19 14:42	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/23/19 14:42	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/23/19 14:42	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/23/19 14:42	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/23/19 14:42	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/23/19 14:42	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		07/23/19 14:42	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		07/23/19 14:42	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		07/23/19 14:42	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/23/19 14:42	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/23/19 14:42	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/23/19 14:42	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/23/19 14:42	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/23/19 14:42	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		07/23/19 14:42	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 14:42	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191652

Sample: PW-7 **Lab ID: 40191652002** Collected: 07/19/19 12:30 Received: 07/22/19 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 14:42	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/23/19 14:42	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		07/23/19 14:42	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		07/23/19 14:42	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/23/19 14:42	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/23/19 14:42	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/23/19 14:42	79-00-5	
Trichloroethene	1.3	ug/L	1.0	0.26	1		07/23/19 14:42	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/23/19 14:42	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/23/19 14:42	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/23/19 14:42	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/23/19 14:42	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/23/19 14:42	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/23/19 14:42	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/23/19 14:42	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		07/23/19 14:42	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		07/23/19 14:42	1868-53-7	
Toluene-d8 (S)	105	%	70-130		1		07/23/19 14:42	2037-26-5	

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191652

Sample: PW-8 **Lab ID: 40191652003** Collected: 07/19/19 12:35 Received: 07/22/19 08:30 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		07/23/19 15:04	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/23/19 15:04	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/23/19 15:04	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/23/19 15:04	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/23/19 15:04	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/23/19 15:04	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 15:04	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/23/19 15:04	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/23/19 15:04	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		07/23/19 15:04	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 15:04	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/23/19 15:04	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/23/19 15:04	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/23/19 15:04	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/23/19 15:04	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/23/19 15:04	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/23/19 15:04	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/23/19 15:04	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/23/19 15:04	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/23/19 15:04	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 15:04	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/19 15:04	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/23/19 15:04	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/23/19 15:04	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 15:04	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 15:04	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/23/19 15:04	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/23/19 15:04	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		07/23/19 15:04	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/23/19 15:04	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/23/19 15:04	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/23/19 15:04	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/23/19 15:04	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/23/19 15:04	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/23/19 15:04	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/23/19 15:04	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		07/23/19 15:04	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		07/23/19 15:04	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		07/23/19 15:04	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/23/19 15:04	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/23/19 15:04	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/23/19 15:04	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/23/19 15:04	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/23/19 15:04	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		07/23/19 15:04	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 15:04	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191652

Sample: PW-8 **Lab ID: 40191652003** Collected: 07/19/19 12:35 Received: 07/22/19 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 15:04	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/23/19 15:04	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		07/23/19 15:04	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		07/23/19 15:04	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/23/19 15:04	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/23/19 15:04	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/23/19 15:04	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/23/19 15:04	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/23/19 15:04	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/23/19 15:04	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/23/19 15:04	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/23/19 15:04	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/23/19 15:04	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/23/19 15:04	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/23/19 15:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		07/23/19 15:04	460-00-4	HS
Dibromofluoromethane (S)	98	%	70-130		1		07/23/19 15:04	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		07/23/19 15:04	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191652

QC Batch: 328308 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40191652001, 40191652002, 40191652003

METHOD BLANK: 1906370 Matrix: Water

Associated Lab Samples: 40191652001, 40191652002, 40191652003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	07/23/19 07:32	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	07/23/19 07:32	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	07/23/19 07:32	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	07/23/19 07:32	
1,1-Dichloroethane	ug/L	<0.27	1.0	07/23/19 07:32	
1,1-Dichloroethene	ug/L	<0.24	1.0	07/23/19 07:32	
1,1-Dichloropropene	ug/L	<0.54	1.8	07/23/19 07:32	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	07/23/19 07:32	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	07/23/19 07:32	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	07/23/19 07:32	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	07/23/19 07:32	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	07/23/19 07:32	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	07/23/19 07:32	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	07/23/19 07:32	
1,2-Dichloroethane	ug/L	<0.28	1.0	07/23/19 07:32	
1,2-Dichloropropane	ug/L	<0.28	1.0	07/23/19 07:32	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	07/23/19 07:32	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	07/23/19 07:32	
1,3-Dichloropropane	ug/L	<0.83	2.8	07/23/19 07:32	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	07/23/19 07:32	
2,2-Dichloropropane	ug/L	<2.3	7.6	07/23/19 07:32	
2-Chlorotoluene	ug/L	<0.93	5.0	07/23/19 07:32	
4-Chlorotoluene	ug/L	<0.76	2.5	07/23/19 07:32	
Benzene	ug/L	<0.25	1.0	07/23/19 07:32	
Bromobenzene	ug/L	<0.24	1.0	07/23/19 07:32	
Bromochloromethane	ug/L	<0.36	5.0	07/23/19 07:32	
Bromodichloromethane	ug/L	<0.36	1.2	07/23/19 07:32	
Bromoform	ug/L	<4.0	13.2	07/23/19 07:32	
Bromomethane	ug/L	<0.97	5.0	07/23/19 07:32	
Carbon tetrachloride	ug/L	<0.17	1.0	07/23/19 07:32	
Chlorobenzene	ug/L	<0.71	2.4	07/23/19 07:32	
Chloroethane	ug/L	<1.3	5.0	07/23/19 07:32	
Chloroform	ug/L	<1.3	5.0	07/23/19 07:32	
Chloromethane	ug/L	<2.2	7.3	07/23/19 07:32	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	07/23/19 07:32	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	07/23/19 07:32	
Dibromochloromethane	ug/L	<2.6	8.7	07/23/19 07:32	
Dibromomethane	ug/L	<0.94	3.1	07/23/19 07:32	
Dichlorodifluoromethane	ug/L	<0.50	5.0	07/23/19 07:32	
Diisopropyl ether	ug/L	<1.9	6.3	07/23/19 07:32	
Ethylbenzene	ug/L	<0.22	1.0	07/23/19 07:32	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191652

METHOD BLANK: 1906370

Matrix: Water

Associated Lab Samples: 40191652001, 40191652002, 40191652003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	07/23/19 07:32	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	07/23/19 07:32	
m&p-Xylene	ug/L	<0.47	2.0	07/23/19 07:32	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	07/23/19 07:32	
Methylene Chloride	ug/L	<0.58	5.0	07/23/19 07:32	
n-Butylbenzene	ug/L	<0.71	2.4	07/23/19 07:32	
n-Propylbenzene	ug/L	<0.81	5.0	07/23/19 07:32	
Naphthalene	ug/L	<1.2	5.0	07/23/19 07:32	
o-Xylene	ug/L	<0.26	1.0	07/23/19 07:32	
p-Isopropyltoluene	ug/L	<0.80	2.7	07/23/19 07:32	
sec-Butylbenzene	ug/L	<0.85	5.0	07/23/19 07:32	
Styrene	ug/L	<0.47	1.6	07/23/19 07:32	
tert-Butylbenzene	ug/L	<0.30	1.0	07/23/19 07:32	
Tetrachloroethene	ug/L	<0.33	1.1	07/23/19 07:32	
Toluene	ug/L	<0.17	5.0	07/23/19 07:32	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	07/23/19 07:32	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	07/23/19 07:32	
Trichloroethene	ug/L	<0.26	1.0	07/23/19 07:32	
Trichlorofluoromethane	ug/L	<0.21	1.0	07/23/19 07:32	
Vinyl chloride	ug/L	<0.17	1.0	07/23/19 07:32	
4-Bromofluorobenzene (S)	%	98	70-130	07/23/19 07:32	
Dibromofluoromethane (S)	%	96	70-130	07/23/19 07:32	
Toluene-d8 (S)	%	106	70-130	07/23/19 07:32	

LABORATORY CONTROL SAMPLE: 1906371

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.1	100	70-130	
1,1,1,2-Tetrachloroethane	ug/L	50	57.1	114	70-130	
1,1,2-Trichloroethane	ug/L	50	53.8	108	70-130	
1,1-Dichloroethane	ug/L	50	43.9	88	73-150	
1,1-Dichloroethene	ug/L	50	44.8	90	73-138	
1,2,4-Trichlorobenzene	ug/L	50	55.2	110	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	56.3	113	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	50.9	102	70-130	
1,2-Dichlorobenzene	ug/L	50	50.4	101	70-130	
1,2-Dichloroethane	ug/L	50	47.4	95	75-140	
1,2-Dichloropropane	ug/L	50	51.0	102	73-135	
1,3-Dichlorobenzene	ug/L	50	49.8	100	70-130	
1,4-Dichlorobenzene	ug/L	50	48.3	97	70-130	
Benzene	ug/L	50	51.9	104	70-130	
Bromodichloromethane	ug/L	50	50.5	101	70-130	
Bromoform	ug/L	50	45.7	91	68-129	
Bromomethane	ug/L	50	29.6	59	18-159	

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191652

LABORATORY CONTROL SAMPLE: 1906371

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	45.5	91	70-130	
Chlorobenzene	ug/L	50	51.7	103	70-130	
Chloroethane	ug/L	50	42.6	85	53-147	
Chloroform	ug/L	50	50.3	101	74-136	
Chloromethane	ug/L	50	26.6	53	29-115	
cis-1,2-Dichloroethene	ug/L	50	49.4	99	70-130	
cis-1,3-Dichloropropene	ug/L	50	48.7	97	70-130	
Dibromochloromethane	ug/L	50	43.6	87	70-130	
Dichlorodifluoromethane	ug/L	50	37.8	76	10-130	
Ethylbenzene	ug/L	50	54.5	109	80-124	
Isopropylbenzene (Cumene)	ug/L	50	52.6	105	70-130	
m&p-Xylene	ug/L	100	103	103	70-130	
Methyl-tert-butyl ether	ug/L	50	44.4	89	54-137	
Methylene Chloride	ug/L	50	45.1	90	73-138	
o-Xylene	ug/L	50	51.0	102	70-130	
Styrene	ug/L	50	48.0	96	70-130	
Tetrachloroethene	ug/L	50	48.2	96	70-130	
Toluene	ug/L	50	53.2	106	80-126	
trans-1,2-Dichloroethene	ug/L	50	42.1	84	73-145	
trans-1,3-Dichloropropene	ug/L	50	54.1	108	70-130	
Trichloroethene	ug/L	50	50.6	101	70-130	
Trichlorofluoromethane	ug/L	50	48.7	97	76-147	
Vinyl chloride	ug/L	50	42.5	85	51-120	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			96	70-130	
Toluene-d8 (S)	%			105	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1906374 1906375

Parameter	Units	40191647001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	Result	MSD Result	% Rec	% Rec					
1,1,1-Trichloroethane	ug/L	<0.24	50	50	53.1	51.6	106	103	70-130	3	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	56.1	57.8	112	116	70-130	3	20		
1,1,2-Trichloroethane	ug/L	<0.55	50	50	54.2	53.2	108	106	70-137	2	20		
1,1-Dichloroethane	ug/L	<0.27	50	50	45.9	45.2	92	90	73-153	2	20		
1,1-Dichloroethene	ug/L	<0.24	50	50	45.4	45.7	91	91	73-138	1	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	57.1	58.3	114	117	70-130	2	20		
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	54.2	57.7	108	115	58-129	6	20		
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	52.9	52.6	106	105	70-130	0	20		
1,2-Dichlorobenzene	ug/L	<0.71	50	50	51.5	51.3	103	103	70-130	0	20		
1,2-Dichloroethane	ug/L	<0.28	50	50	50.3	48.2	101	96	75-140	4	20		
1,2-Dichloropropane	ug/L	<0.28	50	50	51.7	51.7	103	103	71-138	0	20		
1,3-Dichlorobenzene	ug/L	<0.63	50	50	51.0	50.4	102	101	70-130	1	20		
1,4-Dichlorobenzene	ug/L	<0.94	50	50	50.0	48.7	100	97	70-130	3	20		

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191652

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1906374 1906375												
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40191647001 Result	Spike Conc.	Spike Conc.	MS Result							
Benzene	ug/L	<0.25	50	50	54.0	53.5	108	107	70-130	1	20	
Bromodichloromethane	ug/L	<0.36	50	50	51.1	51.4	102	103	70-130	1	20	
Bromoform	ug/L	<4.0	50	50	46.4	46.6	93	93	68-129	0	20	
Bromomethane	ug/L	<0.97	50	50	34.0	33.7	68	67	15-170	1	20	
Carbon tetrachloride	ug/L	<0.17	50	50	46.2	45.8	92	92	70-130	1	20	
Chlorobenzene	ug/L	<0.71	50	50	52.9	52.7	106	105	70-130	0	20	
Chloroethane	ug/L	<1.3	50	50	43.8	43.6	88	87	51-148	0	20	
Chloroform	ug/L	<1.3	50	50	52.0	50.4	104	101	74-136	3	20	
Chloromethane	ug/L	<2.2	50	50	27.1	26.5	54	53	23-115	2	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	51.0	49.7	102	99	70-131	2	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	49.8	49.6	100	99	70-130	0	20	
Dibromochloromethane	ug/L	<2.6	50	50	45.0	44.9	90	90	70-130	0	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	37.5	37.6	75	75	10-132	0	20	
Ethylbenzene	ug/L	<0.22	50	50	55.9	55.8	112	112	80-125	0	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	53.8	53.9	108	108	70-130	0	20	
m&p-Xylene	ug/L	<0.47	100	100	107	107	107	107	70-130	0	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	45.3	45.2	91	90	51-145	0	20	
Methylene Chloride	ug/L	<0.58	50	50	47.1	46.1	94	92	73-140	2	20	
o-Xylene	ug/L	<0.26	50	50	52.0	52.4	104	105	70-130	1	20	
Styrene	ug/L	<0.47	50	50	49.0	48.9	98	98	70-130	0	20	
Tetrachloroethene	ug/L	<0.33	50	50	48.5	49.8	97	100	70-130	3	20	
Toluene	ug/L	<0.17	50	50	54.6	54.3	109	109	80-131	0	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	43.7	42.5	87	85	73-148	3	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	55.1	54.8	110	110	70-130	0	20	
Trichloroethene	ug/L	<0.26	50	50	52.8	51.7	106	103	70-130	2	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	49.7	48.4	99	97	74-147	3	20	
Vinyl chloride	ug/L	<0.17	50	50	42.5	42.4	85	85	41-129	0	20	
4-Bromofluorobenzene (S)	%						102	102	70-130			
Dibromofluoromethane (S)	%						95	96	70-130			
Toluene-d8 (S)	%						104	106	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: 1902344 LAKEWOOD DX

Pace Project No.: 40191652

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191652

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40191652001	MW-8A	EPA 8260	328308		
40191652002	PW-7	EPA 8260	328308		
40191652003	PW-8	EPA 8260	328308		

REPORT OF LABORATORY ANALYSIS

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Sample Preservation Receipt Form

Client Name: GEI

Project # 40191652

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 ≤	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤	pH after adjusted	Volume (mL)							
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU								WPFU	SP5T	ZPLC	GN			
001																																				2.5 / 5 / 10
002																																				2.5 / 5 / 10
003																																				2.5 / 5 / 10
004																																				2.5 / 5 / 10
005																																				2.5 / 5 / 10
006																																				2.5 / 5 / 10
007																																				2.5 / 5 / 10
008																																				2.5 / 5 / 10
009																																				2.5 / 5 / 10
010																																				2.5 / 5 / 10
011																																				2.5 / 5 / 10
012																																				2.5 / 5 / 10
013																																				2.5 / 5 / 10
014																																				2.5 / 5 / 10
015																																				2.5 / 5 / 10
016																																				2.5 / 5 / 10
017																																				2.5 / 5 / 10
018																																				2.5 / 5 / 10
019																																				2.5 / 5 / 10
020																																				2.5 / 5 / 10

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

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3B	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:	

Sample Condition Upon Receipt Form (SCUR)

Client Name: GET

Project #: _____

WO# : 40191652



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

Tracking #: _____

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

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

Packing Material: Bubble Wrap Bubble Bags None Other

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

Cooler Temperature Uncorr: ROT / Corr: _____

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

Person examining contents:
Date: 7-22-19
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 checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature]

Date: 7-22-19

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
2984 Shawano Avenue
Green Bay WI 54313-6727

Tony Evers, Governor
Preston D. Cole, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711



August 2, 2019

THOMAS AND MARILYN GRYBOSKI
PO BOX 151
LAKEWOOD WI 54138

SUBJECT: Notification of Groundwater Sampling Results
Lakewood DX, 15761 East Chain Lake Road, Lakewood, WI
BRRTS Activity # 02-43-000105

Dear Mr. and Ms. Gryboski:

Please find the attached results from the July 19, 2019 sampling of the groundwater monitoring well, MW-17B, on your property at 15678 State Highway 32. As part of the cleanup for the Lakewood DX site, this well was sampled. The sample was collected by GEI, a consultant hired by the Department of Natural Resources (DNR) for the work associated with the Lakewood DX site. The sample collected was analyzed for volatile organic compounds (VOCs).

The test results show that none of these compounds were detected at concentrations above the public health related drinking water standards. To summarize, all the compounds were either undetected or were within acceptable ranges. Please refer to the attached laboratory analytical report.

If you have any questions, please contact me at (920) 662-5443 or by email to Sarah.Krueger@wisconsin.gov.

Sincerely,



Sarah Krueger
Project Manager
Remediation & Redevelopment Program

att. Laboratory Analytical Report

July 24, 2019

Roger Miller
GEI Consultants, Inc.
3159 Voyager Drive
Green Bay, WI 54311

RE: Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191653

Dear Roger Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on July 22, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191653

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191653

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40191653001	MW-17B	Water	07/19/19 13:30	07/22/19 08:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191653

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40191653001	MW-17B	EPA 8260	HNW	64	PASI-G

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191653

Sample: MW-17B **Lab ID: 40191653001** Collected: 07/19/19 13:30 Received: 07/22/19 08:30 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		07/23/19 15:25	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/23/19 15:25	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/23/19 15:25	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/23/19 15:25	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/23/19 15:25	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/23/19 15:25	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 15:25	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/23/19 15:25	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/23/19 15:25	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		07/23/19 15:25	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 15:25	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/23/19 15:25	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/23/19 15:25	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/23/19 15:25	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/23/19 15:25	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/23/19 15:25	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/23/19 15:25	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/23/19 15:25	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/23/19 15:25	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/23/19 15:25	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 15:25	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/19 15:25	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/23/19 15:25	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/23/19 15:25	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 15:25	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 15:25	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/23/19 15:25	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/23/19 15:25	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		07/23/19 15:25	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/23/19 15:25	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/23/19 15:25	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/23/19 15:25	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/23/19 15:25	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/23/19 15:25	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/23/19 15:25	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/23/19 15:25	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		07/23/19 15:25	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		07/23/19 15:25	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		07/23/19 15:25	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/23/19 15:25	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/23/19 15:25	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/23/19 15:25	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/23/19 15:25	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/23/19 15:25	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		07/23/19 15:25	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 15:25	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191653

Sample: MW-17B **Lab ID: 40191653001** Collected: 07/19/19 13:30 Received: 07/22/19 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 15:25	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/23/19 15:25	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		07/23/19 15:25	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		07/23/19 15:25	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/23/19 15:25	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/23/19 15:25	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/23/19 15:25	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/23/19 15:25	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/23/19 15:25	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/23/19 15:25	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/23/19 15:25	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/23/19 15:25	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/23/19 15:25	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/23/19 15:25	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/23/19 15:25	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		07/23/19 15:25	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		07/23/19 15:25	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		07/23/19 15:25	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191653

QC Batch: 328308 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40191653001

METHOD BLANK: 1906370 Matrix: Water
Associated Lab Samples: 40191653001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	07/23/19 07:32	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	07/23/19 07:32	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	07/23/19 07:32	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	07/23/19 07:32	
1,1-Dichloroethane	ug/L	<0.27	1.0	07/23/19 07:32	
1,1-Dichloroethene	ug/L	<0.24	1.0	07/23/19 07:32	
1,1-Dichloropropene	ug/L	<0.54	1.8	07/23/19 07:32	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	07/23/19 07:32	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	07/23/19 07:32	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	07/23/19 07:32	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	07/23/19 07:32	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	07/23/19 07:32	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	07/23/19 07:32	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	07/23/19 07:32	
1,2-Dichloroethane	ug/L	<0.28	1.0	07/23/19 07:32	
1,2-Dichloropropane	ug/L	<0.28	1.0	07/23/19 07:32	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	07/23/19 07:32	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	07/23/19 07:32	
1,3-Dichloropropane	ug/L	<0.83	2.8	07/23/19 07:32	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	07/23/19 07:32	
2,2-Dichloropropane	ug/L	<2.3	7.6	07/23/19 07:32	
2-Chlorotoluene	ug/L	<0.93	5.0	07/23/19 07:32	
4-Chlorotoluene	ug/L	<0.76	2.5	07/23/19 07:32	
Benzene	ug/L	<0.25	1.0	07/23/19 07:32	
Bromobenzene	ug/L	<0.24	1.0	07/23/19 07:32	
Bromochloromethane	ug/L	<0.36	5.0	07/23/19 07:32	
Bromodichloromethane	ug/L	<0.36	1.2	07/23/19 07:32	
Bromoform	ug/L	<4.0	13.2	07/23/19 07:32	
Bromomethane	ug/L	<0.97	5.0	07/23/19 07:32	
Carbon tetrachloride	ug/L	<0.17	1.0	07/23/19 07:32	
Chlorobenzene	ug/L	<0.71	2.4	07/23/19 07:32	
Chloroethane	ug/L	<1.3	5.0	07/23/19 07:32	
Chloroform	ug/L	<1.3	5.0	07/23/19 07:32	
Chloromethane	ug/L	<2.2	7.3	07/23/19 07:32	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	07/23/19 07:32	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	07/23/19 07:32	
Dibromochloromethane	ug/L	<2.6	8.7	07/23/19 07:32	
Dibromomethane	ug/L	<0.94	3.1	07/23/19 07:32	
Dichlorodifluoromethane	ug/L	<0.50	5.0	07/23/19 07:32	
Diisopropyl ether	ug/L	<1.9	6.3	07/23/19 07:32	
Ethylbenzene	ug/L	<0.22	1.0	07/23/19 07:32	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191653

METHOD BLANK: 1906370 Matrix: Water
Associated Lab Samples: 40191653001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	07/23/19 07:32	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	07/23/19 07:32	
m&p-Xylene	ug/L	<0.47	2.0	07/23/19 07:32	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	07/23/19 07:32	
Methylene Chloride	ug/L	<0.58	5.0	07/23/19 07:32	
n-Butylbenzene	ug/L	<0.71	2.4	07/23/19 07:32	
n-Propylbenzene	ug/L	<0.81	5.0	07/23/19 07:32	
Naphthalene	ug/L	<1.2	5.0	07/23/19 07:32	
o-Xylene	ug/L	<0.26	1.0	07/23/19 07:32	
p-Isopropyltoluene	ug/L	<0.80	2.7	07/23/19 07:32	
sec-Butylbenzene	ug/L	<0.85	5.0	07/23/19 07:32	
Styrene	ug/L	<0.47	1.6	07/23/19 07:32	
tert-Butylbenzene	ug/L	<0.30	1.0	07/23/19 07:32	
Tetrachloroethene	ug/L	<0.33	1.1	07/23/19 07:32	
Toluene	ug/L	<0.17	5.0	07/23/19 07:32	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	07/23/19 07:32	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	07/23/19 07:32	
Trichloroethene	ug/L	<0.26	1.0	07/23/19 07:32	
Trichlorofluoromethane	ug/L	<0.21	1.0	07/23/19 07:32	
Vinyl chloride	ug/L	<0.17	1.0	07/23/19 07:32	
4-Bromofluorobenzene (S)	%	98	70-130	07/23/19 07:32	
Dibromofluoromethane (S)	%	96	70-130	07/23/19 07:32	
Toluene-d8 (S)	%	106	70-130	07/23/19 07:32	

LABORATORY CONTROL SAMPLE: 1906371

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.1	100	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	57.1	114	70-130	
1,1,2-Trichloroethane	ug/L	50	53.8	108	70-130	
1,1-Dichloroethane	ug/L	50	43.9	88	73-150	
1,1-Dichloroethene	ug/L	50	44.8	90	73-138	
1,2,4-Trichlorobenzene	ug/L	50	55.2	110	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	56.3	113	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	50.9	102	70-130	
1,2-Dichlorobenzene	ug/L	50	50.4	101	70-130	
1,2-Dichloroethane	ug/L	50	47.4	95	75-140	
1,2-Dichloropropane	ug/L	50	51.0	102	73-135	
1,3-Dichlorobenzene	ug/L	50	49.8	100	70-130	
1,4-Dichlorobenzene	ug/L	50	48.3	97	70-130	
Benzene	ug/L	50	51.9	104	70-130	
Bromodichloromethane	ug/L	50	50.5	101	70-130	
Bromoform	ug/L	50	45.7	91	68-129	
Bromomethane	ug/L	50	29.6	59	18-159	

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191653

LABORATORY CONTROL SAMPLE: 1906371

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	45.5	91	70-130	
Chlorobenzene	ug/L	50	51.7	103	70-130	
Chloroethane	ug/L	50	42.6	85	53-147	
Chloroform	ug/L	50	50.3	101	74-136	
Chloromethane	ug/L	50	26.6	53	29-115	
cis-1,2-Dichloroethene	ug/L	50	49.4	99	70-130	
cis-1,3-Dichloropropene	ug/L	50	48.7	97	70-130	
Dibromochloromethane	ug/L	50	43.6	87	70-130	
Dichlorodifluoromethane	ug/L	50	37.8	76	10-130	
Ethylbenzene	ug/L	50	54.5	109	80-124	
Isopropylbenzene (Cumene)	ug/L	50	52.6	105	70-130	
m&p-Xylene	ug/L	100	103	103	70-130	
Methyl-tert-butyl ether	ug/L	50	44.4	89	54-137	
Methylene Chloride	ug/L	50	45.1	90	73-138	
o-Xylene	ug/L	50	51.0	102	70-130	
Styrene	ug/L	50	48.0	96	70-130	
Tetrachloroethene	ug/L	50	48.2	96	70-130	
Toluene	ug/L	50	53.2	106	80-126	
trans-1,2-Dichloroethene	ug/L	50	42.1	84	73-145	
trans-1,3-Dichloropropene	ug/L	50	54.1	108	70-130	
Trichloroethene	ug/L	50	50.6	101	70-130	
Trichlorofluoromethane	ug/L	50	48.7	97	76-147	
Vinyl chloride	ug/L	50	42.5	85	51-120	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			96	70-130	
Toluene-d8 (S)	%			105	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1906374 1906375

Parameter	Units	40191647001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	Result	MSD Result	% Rec	% Rec					
1,1,1-Trichloroethane	ug/L	<0.24	50	50	53.1	51.6	106	103	70-130	3	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	56.1	57.8	112	116	70-130	3	20		
1,1,2-Trichloroethane	ug/L	<0.55	50	50	54.2	53.2	108	106	70-137	2	20		
1,1-Dichloroethane	ug/L	<0.27	50	50	45.9	45.2	92	90	73-153	2	20		
1,1-Dichloroethene	ug/L	<0.24	50	50	45.4	45.7	91	91	73-138	1	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	57.1	58.3	114	117	70-130	2	20		
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	54.2	57.7	108	115	58-129	6	20		
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	52.9	52.6	106	105	70-130	0	20		
1,2-Dichlorobenzene	ug/L	<0.71	50	50	51.5	51.3	103	103	70-130	0	20		
1,2-Dichloroethane	ug/L	<0.28	50	50	50.3	48.2	101	96	75-140	4	20		
1,2-Dichloropropane	ug/L	<0.28	50	50	51.7	51.7	103	103	71-138	0	20		
1,3-Dichlorobenzene	ug/L	<0.63	50	50	51.0	50.4	102	101	70-130	1	20		
1,4-Dichlorobenzene	ug/L	<0.94	50	50	50.0	48.7	100	97	70-130	3	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191653

Parameter	Units	40191647001		1906374		1906375		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
Benzene	ug/L	<0.25	50	50	54.0	53.5	108	107	70-130	1	20			
Bromodichloromethane	ug/L	<0.36	50	50	51.1	51.4	102	103	70-130	1	20			
Bromoform	ug/L	<4.0	50	50	46.4	46.6	93	93	68-129	0	20			
Bromomethane	ug/L	<0.97	50	50	34.0	33.7	68	67	15-170	1	20			
Carbon tetrachloride	ug/L	<0.17	50	50	46.2	45.8	92	92	70-130	1	20			
Chlorobenzene	ug/L	<0.71	50	50	52.9	52.7	106	105	70-130	0	20			
Chloroethane	ug/L	<1.3	50	50	43.8	43.6	88	87	51-148	0	20			
Chloroform	ug/L	<1.3	50	50	52.0	50.4	104	101	74-136	3	20			
Chloromethane	ug/L	<2.2	50	50	27.1	26.5	54	53	23-115	2	20			
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	51.0	49.7	102	99	70-131	2	20			
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	49.8	49.6	100	99	70-130	0	20			
Dibromochloromethane	ug/L	<2.6	50	50	45.0	44.9	90	90	70-130	0	20			
Dichlorodifluoromethane	ug/L	<0.50	50	50	37.5	37.6	75	75	10-132	0	20			
Ethylbenzene	ug/L	<0.22	50	50	55.9	55.8	112	112	80-125	0	20			
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	53.8	53.9	108	108	70-130	0	20			
m&p-Xylene	ug/L	<0.47	100	100	107	107	107	107	70-130	0	20			
Methyl-tert-butyl ether	ug/L	<1.2	50	50	45.3	45.2	91	90	51-145	0	20			
Methylene Chloride	ug/L	<0.58	50	50	47.1	46.1	94	92	73-140	2	20			
o-Xylene	ug/L	<0.26	50	50	52.0	52.4	104	105	70-130	1	20			
Styrene	ug/L	<0.47	50	50	49.0	48.9	98	98	70-130	0	20			
Tetrachloroethene	ug/L	<0.33	50	50	48.5	49.8	97	100	70-130	3	20			
Toluene	ug/L	<0.17	50	50	54.6	54.3	109	109	80-131	0	20			
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	43.7	42.5	87	85	73-148	3	20			
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	55.1	54.8	110	110	70-130	0	20			
Trichloroethene	ug/L	<0.26	50	50	52.8	51.7	106	103	70-130	2	20			
Trichlorofluoromethane	ug/L	<0.21	50	50	49.7	48.4	99	97	74-147	3	20			
Vinyl chloride	ug/L	<0.17	50	50	42.5	42.4	85	85	41-129	0	20			
4-Bromofluorobenzene (S)	%						102	102	70-130					
Dibromofluoromethane (S)	%						95	96	70-130					
Toluene-d8 (S)	%						104	106	70-130					

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191653

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191653

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40191653001	MW-17B	EPA 8260	328308		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: GEI Consultants, Inc.
 Branch/Location: Green Bay, WI
 Project Contact: Roger Miller
 Phone: 920-455-8200
 Project Number: 1902344
 Project Name: Lakewood DX
 Project State: WI
 Sampled By (Print): Kyle Sandmire
 Sampled By (Sign): [Signature]
 PO #: _____ Regulatory Program: _____



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

40191653

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	Analysis Requested	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
N	B	VOCS	X																				

Quote #: _____
 Mail To Contact: Roger Miller
 Mail To Company: GEI Consultants, Inc.
 Mail To Address: 3159 Voyager Drive
Green Bay, WI 54311
 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	Analysis Requested
		DATE	TIME		
<u>001</u>	<u>MW-17B</u>	<u>7/9/19</u>	<u>13:30</u>	<u>GW</u>	<u>X</u>

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

Relinquished By: [Signature] Date/Time: 7/27/19 8:30
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____

Received By: [Signature] Date/Time: 7/27/19 0830
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

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

PACE Project No. 40191653
 Receipt Temp = 20 °C
 Sample Receipt pH OK / Adjusted
 Cooler Custody Seal Present / Not Present
 Intact / Not Intact



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: GET

Project #: _____

WO#: 40191653



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

Tracking #: _____

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

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

Packing Material: Bubble Wrap Bubble Bags None Other

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

Cooler Temperature Uncorr: RDT/Corr: _____

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

Person examining contents:
 Date: 7-22-19
 Initials: SW

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 checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Project Manager Review: [Signature]

Date: 7-22-19



August 2, 2019

NATHAN AND TIFFANY KOSKE
7177 SUNDEW RD
SOBIESKI WI 54171

SUBJECT: Notification of Groundwater Sampling Results
Lakewood DX, 15761 East Chain Lake Road, Lakewood, WI
BRRTS Activity # 02-43-000105

Dear Mr. and Ms. Koske:

Please find the attached results from the July 19, 2019 sampling of the water supply well that serves your property at 15750 East Chain Lake Road. As part of the cleanup for the Lakewood DX site, this well was sampled. The samples were collected by GEI, a consultant hired by the Department of Natural Resources (DNR) for the work associated with the Lakewood DX site. The samples collected were analyzed for volatile organic compounds (VOCs).

The test results show that some VOCs were detected but were below the public health related drinking water standards. The test results from the water supply well following treatment show that none of these compounds were detected at concentrations above the public health related drinking water standards. It is advisable that the treatment system on the property continue to be maintained. To summarize, all the compounds were undetected following treatment. Please refer to the attached laboratory analytical report.

If you have any questions, please contact me at (920) 662-5443 or by email to Sarah.Krueger@wisconsin.gov.

Sincerely,



Sarah Krueger
Project Manager
Remediation & Redevelopment Program

att. Laboratory Analytical Report

July 24, 2019

Roger Miller
GEI Consultants, Inc.
3159 Voyager Drive
Green Bay, WI 54311

RE: Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191654

Dear Roger Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on July 22, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191654

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191654

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40191654001	PW-3	Water	07/19/19 16:50	07/22/19 08:30
40191654002	PW-4	Water	07/19/19 16:55	07/22/19 08:30

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SAMPLE ANALYTE COUNT

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191654

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40191654001	PW-3	EPA 8260	HNW	64	PASI-G
40191654002	PW-4	EPA 8260	HNW	64	PASI-G

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SUMMARY OF DETECTION

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191654

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40191654001	PW-3					
EPA 8260	cis-1,2-Dichloroethene	0.67J	ug/L	1.0	07/23/19 15:47	
EPA 8260	Trichloroethene	0.34J	ug/L	1.0	07/23/19 15:47	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191654

Sample: PW-3 **Lab ID: 40191654001** Collected: 07/19/19 16:50 Received: 07/22/19 08:30 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		07/23/19 15:47	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/23/19 15:47	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/23/19 15:47	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/23/19 15:47	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/23/19 15:47	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/23/19 15:47	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 15:47	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/23/19 15:47	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/23/19 15:47	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		07/23/19 15:47	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 15:47	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/23/19 15:47	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/23/19 15:47	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/23/19 15:47	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/23/19 15:47	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/23/19 15:47	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/23/19 15:47	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/23/19 15:47	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/23/19 15:47	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/23/19 15:47	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 15:47	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/19 15:47	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/23/19 15:47	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/23/19 15:47	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 15:47	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 15:47	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/23/19 15:47	75-35-4	
cis-1,2-Dichloroethene	0.67J	ug/L	1.0	0.27	1		07/23/19 15:47	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		07/23/19 15:47	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/23/19 15:47	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/23/19 15:47	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/23/19 15:47	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/23/19 15:47	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/23/19 15:47	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/23/19 15:47	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/23/19 15:47	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		07/23/19 15:47	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		07/23/19 15:47	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		07/23/19 15:47	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/23/19 15:47	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/23/19 15:47	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/23/19 15:47	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/23/19 15:47	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/23/19 15:47	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		07/23/19 15:47	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 15:47	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191654

Sample: PW-3 **Lab ID: 40191654001** Collected: 07/19/19 16:50 Received: 07/22/19 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 15:47	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/23/19 15:47	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		07/23/19 15:47	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		07/23/19 15:47	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/23/19 15:47	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/23/19 15:47	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/23/19 15:47	79-00-5	
Trichloroethene	0.34J	ug/L	1.0	0.26	1		07/23/19 15:47	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/23/19 15:47	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/23/19 15:47	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/23/19 15:47	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/23/19 15:47	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/23/19 15:47	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/23/19 15:47	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/23/19 15:47	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		07/23/19 15:47	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		07/23/19 15:47	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		07/23/19 15:47	2037-26-5	

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191654

Sample: PW-4 **Lab ID: 40191654002** Collected: 07/19/19 16:55 Received: 07/22/19 08:30 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		07/23/19 16:08	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/23/19 16:08	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/23/19 16:08	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/23/19 16:08	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/23/19 16:08	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/23/19 16:08	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 16:08	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/23/19 16:08	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/23/19 16:08	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		07/23/19 16:08	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 16:08	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/23/19 16:08	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/23/19 16:08	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/23/19 16:08	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/23/19 16:08	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/23/19 16:08	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/23/19 16:08	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/23/19 16:08	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/23/19 16:08	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/23/19 16:08	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 16:08	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/19 16:08	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/23/19 16:08	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/23/19 16:08	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 16:08	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 16:08	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/23/19 16:08	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/23/19 16:08	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		07/23/19 16:08	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/23/19 16:08	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/23/19 16:08	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/23/19 16:08	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/23/19 16:08	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/23/19 16:08	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/23/19 16:08	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/23/19 16:08	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		07/23/19 16:08	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		07/23/19 16:08	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		07/23/19 16:08	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/23/19 16:08	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/23/19 16:08	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/23/19 16:08	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/23/19 16:08	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/23/19 16:08	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		07/23/19 16:08	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 16:08	630-20-6	

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191654

Sample: PW-4 **Lab ID: 40191654002** Collected: 07/19/19 16:55 Received: 07/22/19 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 16:08	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/23/19 16:08	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		07/23/19 16:08	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		07/23/19 16:08	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/23/19 16:08	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/23/19 16:08	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/23/19 16:08	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/23/19 16:08	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/23/19 16:08	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/23/19 16:08	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/23/19 16:08	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/23/19 16:08	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/23/19 16:08	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/23/19 16:08	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/23/19 16:08	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		07/23/19 16:08	460-00-4	HS
Dibromofluoromethane (S)	96	%	70-130		1		07/23/19 16:08	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		07/23/19 16:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191654

QC Batch: 328308 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40191654001, 40191654002

METHOD BLANK: 1906370 Matrix: Water

Associated Lab Samples: 40191654001, 40191654002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	07/23/19 07:32	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	07/23/19 07:32	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	07/23/19 07:32	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	07/23/19 07:32	
1,1-Dichloroethane	ug/L	<0.27	1.0	07/23/19 07:32	
1,1-Dichloroethene	ug/L	<0.24	1.0	07/23/19 07:32	
1,1-Dichloropropene	ug/L	<0.54	1.8	07/23/19 07:32	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	07/23/19 07:32	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	07/23/19 07:32	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	07/23/19 07:32	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	07/23/19 07:32	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	07/23/19 07:32	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	07/23/19 07:32	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	07/23/19 07:32	
1,2-Dichloroethane	ug/L	<0.28	1.0	07/23/19 07:32	
1,2-Dichloropropane	ug/L	<0.28	1.0	07/23/19 07:32	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	07/23/19 07:32	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	07/23/19 07:32	
1,3-Dichloropropane	ug/L	<0.83	2.8	07/23/19 07:32	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	07/23/19 07:32	
2,2-Dichloropropane	ug/L	<2.3	7.6	07/23/19 07:32	
2-Chlorotoluene	ug/L	<0.93	5.0	07/23/19 07:32	
4-Chlorotoluene	ug/L	<0.76	2.5	07/23/19 07:32	
Benzene	ug/L	<0.25	1.0	07/23/19 07:32	
Bromobenzene	ug/L	<0.24	1.0	07/23/19 07:32	
Bromochloromethane	ug/L	<0.36	5.0	07/23/19 07:32	
Bromodichloromethane	ug/L	<0.36	1.2	07/23/19 07:32	
Bromoform	ug/L	<4.0	13.2	07/23/19 07:32	
Bromomethane	ug/L	<0.97	5.0	07/23/19 07:32	
Carbon tetrachloride	ug/L	<0.17	1.0	07/23/19 07:32	
Chlorobenzene	ug/L	<0.71	2.4	07/23/19 07:32	
Chloroethane	ug/L	<1.3	5.0	07/23/19 07:32	
Chloroform	ug/L	<1.3	5.0	07/23/19 07:32	
Chloromethane	ug/L	<2.2	7.3	07/23/19 07:32	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	07/23/19 07:32	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	07/23/19 07:32	
Dibromochloromethane	ug/L	<2.6	8.7	07/23/19 07:32	
Dibromomethane	ug/L	<0.94	3.1	07/23/19 07:32	
Dichlorodifluoromethane	ug/L	<0.50	5.0	07/23/19 07:32	
Diisopropyl ether	ug/L	<1.9	6.3	07/23/19 07:32	
Ethylbenzene	ug/L	<0.22	1.0	07/23/19 07:32	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191654

METHOD BLANK: 1906370

Matrix: Water

Associated Lab Samples: 40191654001, 40191654002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	07/23/19 07:32	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	07/23/19 07:32	
m&p-Xylene	ug/L	<0.47	2.0	07/23/19 07:32	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	07/23/19 07:32	
Methylene Chloride	ug/L	<0.58	5.0	07/23/19 07:32	
n-Butylbenzene	ug/L	<0.71	2.4	07/23/19 07:32	
n-Propylbenzene	ug/L	<0.81	5.0	07/23/19 07:32	
Naphthalene	ug/L	<1.2	5.0	07/23/19 07:32	
o-Xylene	ug/L	<0.26	1.0	07/23/19 07:32	
p-Isopropyltoluene	ug/L	<0.80	2.7	07/23/19 07:32	
sec-Butylbenzene	ug/L	<0.85	5.0	07/23/19 07:32	
Styrene	ug/L	<0.47	1.6	07/23/19 07:32	
tert-Butylbenzene	ug/L	<0.30	1.0	07/23/19 07:32	
Tetrachloroethene	ug/L	<0.33	1.1	07/23/19 07:32	
Toluene	ug/L	<0.17	5.0	07/23/19 07:32	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	07/23/19 07:32	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	07/23/19 07:32	
Trichloroethene	ug/L	<0.26	1.0	07/23/19 07:32	
Trichlorofluoromethane	ug/L	<0.21	1.0	07/23/19 07:32	
Vinyl chloride	ug/L	<0.17	1.0	07/23/19 07:32	
4-Bromofluorobenzene (S)	%	98	70-130	07/23/19 07:32	
Dibromofluoromethane (S)	%	96	70-130	07/23/19 07:32	
Toluene-d8 (S)	%	106	70-130	07/23/19 07:32	

LABORATORY CONTROL SAMPLE: 1906371

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.1	100	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	57.1	114	70-130	
1,1,2-Trichloroethane	ug/L	50	53.8	108	70-130	
1,1-Dichloroethane	ug/L	50	43.9	88	73-150	
1,1-Dichloroethene	ug/L	50	44.8	90	73-138	
1,2,4-Trichlorobenzene	ug/L	50	55.2	110	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	56.3	113	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	50.9	102	70-130	
1,2-Dichlorobenzene	ug/L	50	50.4	101	70-130	
1,2-Dichloroethane	ug/L	50	47.4	95	75-140	
1,2-Dichloropropane	ug/L	50	51.0	102	73-135	
1,3-Dichlorobenzene	ug/L	50	49.8	100	70-130	
1,4-Dichlorobenzene	ug/L	50	48.3	97	70-130	
Benzene	ug/L	50	51.9	104	70-130	
Bromodichloromethane	ug/L	50	50.5	101	70-130	
Bromoform	ug/L	50	45.7	91	68-129	
Bromomethane	ug/L	50	29.6	59	18-159	

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191654

LABORATORY CONTROL SAMPLE: 1906371

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	45.5	91	70-130	
Chlorobenzene	ug/L	50	51.7	103	70-130	
Chloroethane	ug/L	50	42.6	85	53-147	
Chloroform	ug/L	50	50.3	101	74-136	
Chloromethane	ug/L	50	26.6	53	29-115	
cis-1,2-Dichloroethene	ug/L	50	49.4	99	70-130	
cis-1,3-Dichloropropene	ug/L	50	48.7	97	70-130	
Dibromochloromethane	ug/L	50	43.6	87	70-130	
Dichlorodifluoromethane	ug/L	50	37.8	76	10-130	
Ethylbenzene	ug/L	50	54.5	109	80-124	
Isopropylbenzene (Cumene)	ug/L	50	52.6	105	70-130	
m&p-Xylene	ug/L	100	103	103	70-130	
Methyl-tert-butyl ether	ug/L	50	44.4	89	54-137	
Methylene Chloride	ug/L	50	45.1	90	73-138	
o-Xylene	ug/L	50	51.0	102	70-130	
Styrene	ug/L	50	48.0	96	70-130	
Tetrachloroethene	ug/L	50	48.2	96	70-130	
Toluene	ug/L	50	53.2	106	80-126	
trans-1,2-Dichloroethene	ug/L	50	42.1	84	73-145	
trans-1,3-Dichloropropene	ug/L	50	54.1	108	70-130	
Trichloroethene	ug/L	50	50.6	101	70-130	
Trichlorofluoromethane	ug/L	50	48.7	97	76-147	
Vinyl chloride	ug/L	50	42.5	85	51-120	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			96	70-130	
Toluene-d8 (S)	%			105	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1906374 1906375

Parameter	Units	40191647001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	Result	MSD Result	% Rec	% Rec					
1,1,1-Trichloroethane	ug/L	<0.24	50	50	53.1	51.6	106	103	70-130	3	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	56.1	57.8	112	116	70-130	3	20		
1,1,2-Trichloroethane	ug/L	<0.55	50	50	54.2	53.2	108	106	70-137	2	20		
1,1-Dichloroethane	ug/L	<0.27	50	50	45.9	45.2	92	90	73-153	2	20		
1,1-Dichloroethene	ug/L	<0.24	50	50	45.4	45.7	91	91	73-138	1	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	57.1	58.3	114	117	70-130	2	20		
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	54.2	57.7	108	115	58-129	6	20		
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	52.9	52.6	106	105	70-130	0	20		
1,2-Dichlorobenzene	ug/L	<0.71	50	50	51.5	51.3	103	103	70-130	0	20		
1,2-Dichloroethane	ug/L	<0.28	50	50	50.3	48.2	101	96	75-140	4	20		
1,2-Dichloropropane	ug/L	<0.28	50	50	51.7	51.7	103	103	71-138	0	20		
1,3-Dichlorobenzene	ug/L	<0.63	50	50	51.0	50.4	102	101	70-130	1	20		
1,4-Dichlorobenzene	ug/L	<0.94	50	50	50.0	48.7	100	97	70-130	3	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191654

Parameter	Units	40191647001		MSD		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	<0.25	50	50	54.0	53.5	108	107	70-130	1	20		
Bromodichloromethane	ug/L	<0.36	50	50	51.1	51.4	102	103	70-130	1	20		
Bromoform	ug/L	<4.0	50	50	46.4	46.6	93	93	68-129	0	20		
Bromomethane	ug/L	<0.97	50	50	34.0	33.7	68	67	15-170	1	20		
Carbon tetrachloride	ug/L	<0.17	50	50	46.2	45.8	92	92	70-130	1	20		
Chlorobenzene	ug/L	<0.71	50	50	52.9	52.7	106	105	70-130	0	20		
Chloroethane	ug/L	<1.3	50	50	43.8	43.6	88	87	51-148	0	20		
Chloroform	ug/L	<1.3	50	50	52.0	50.4	104	101	74-136	3	20		
Chloromethane	ug/L	<2.2	50	50	27.1	26.5	54	53	23-115	2	20		
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	51.0	49.7	102	99	70-131	2	20		
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	49.8	49.6	100	99	70-130	0	20		
Dibromochloromethane	ug/L	<2.6	50	50	45.0	44.9	90	90	70-130	0	20		
Dichlorodifluoromethane	ug/L	<0.50	50	50	37.5	37.6	75	75	10-132	0	20		
Ethylbenzene	ug/L	<0.22	50	50	55.9	55.8	112	112	80-125	0	20		
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	53.8	53.9	108	108	70-130	0	20		
m&p-Xylene	ug/L	<0.47	100	100	107	107	107	107	70-130	0	20		
Methyl-tert-butyl ether	ug/L	<1.2	50	50	45.3	45.2	91	90	51-145	0	20		
Methylene Chloride	ug/L	<0.58	50	50	47.1	46.1	94	92	73-140	2	20		
o-Xylene	ug/L	<0.26	50	50	52.0	52.4	104	105	70-130	1	20		
Styrene	ug/L	<0.47	50	50	49.0	48.9	98	98	70-130	0	20		
Tetrachloroethene	ug/L	<0.33	50	50	48.5	49.8	97	100	70-130	3	20		
Toluene	ug/L	<0.17	50	50	54.6	54.3	109	109	80-131	0	20		
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	43.7	42.5	87	85	73-148	3	20		
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	55.1	54.8	110	110	70-130	0	20		
Trichloroethene	ug/L	<0.26	50	50	52.8	51.7	106	103	70-130	2	20		
Trichlorofluoromethane	ug/L	<0.21	50	50	49.7	48.4	99	97	74-147	3	20		
Vinyl chloride	ug/L	<0.17	50	50	42.5	42.4	85	85	41-129	0	20		
4-Bromofluorobenzene (S)	%						102	102	70-130				
Dibromofluoromethane (S)	%						95	96	70-130				
Toluene-d8 (S)	%						104	106	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191654

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191654

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40191654001	PW-3	EPA 8260	328308		
40191654002	PW-4	EPA 8260	328308		

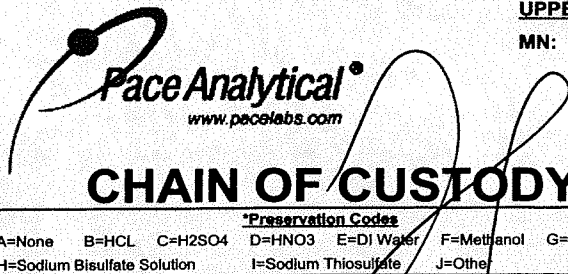
REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

UPPER MIDWEST REGION

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



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)*

Table with columns: Y/N, Pick Letter, Analysis Requested, and multiple columns for sample tracking. Includes handwritten 'VOCs' and 'X' marks.

Company Name: GEI Consultants, Inc. Branch/Location: Green Bay, WI Project Contact: Roger Miller Phone: 920-469-8200 Project Number: 1902344 Project Name: Lakewood PX Project State: WI Sampled By (Print): Kyle Sandmire

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

Table with columns: PACE LAB #, CLIENT FIELD ID, COLLECTION DATE, TIME, MATRIX. Includes handwritten entries for lab 001 and 002.

Quote #: Mail To Contact: Roger Miller Mail To Company: GEI Consultants, Inc. Mail To Address: 3157 Voyager Drive Green Bay, WI 54311 Invoice To Contact: Invoice To Company: Invoice To Address: Invoice To Phone:

Table with columns: CLIENT COMMENTS, LAB COMMENTS (Lab Use Only), Profile #. Includes handwritten notes like '(Pre)' and '(Post)'.

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed: Relinquished By: Received By: PACE Project No. 460191654 Receipt Temp = 20.1 °C Sample Receipt pH OK / Adjusted Cooler Custody Seal Present / Not Present Intact / Not Intact



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: GET

Project #: _____

WO#: **40191654**



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

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

Cooler Temperature Uncorr: ROT / Corr: _____

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

Person examining contents:
Date: 7-22-19
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 checked="" type="checkbox"/> N/A	
Containers Intact:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:	<u>W</u>	
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):	_____	

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature]

Date: 7-22-19

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
2984 Shawano Avenue
Green Bay WI 54313-6727

Tony Evers, Governor
Preston D. Cole, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711



August 2, 2019

CHAIN LAKE MOBILE HOME PARK INC
RANDY NELSON
612 WALDO BLVD
MANITOWOC WI 54220-2830

SUBJECT: Notification of Groundwater Sampling Results
Lakewood DX, 15761 East Chain Lake Road, Lakewood, WI
BRRTS Activity # 02-43-000105

Dear Mr. Nelson:

Please find the attached results from the July 19, 2019 sampling of the water supply well that serves your property at 17189 Pelky Road. As part of the cleanup for the Lakewood DX site, this well was sampled. The sample was collected by GEI, a consultant hired by the Department of Natural Resources (DNR) for the work associated with the Lakewood DX site. The sample collected was analyzed for volatile organic compounds (VOCs).

The test results show that none of these compounds were detected at concentrations above the public health related drinking water standards. To summarize, all the compounds were either undetected or were within acceptable ranges. Please refer to the attached laboratory analytical report.

If you have any questions, please contact me at (920) 662-5443 or by email to Sarah.Krueger@wisconsin.gov.

Sincerely,



Sarah Krueger
Project Manager
Remediation & Redevelopment Program

att. Laboratory Analytical Report

July 24, 2019

Roger Miller
GEI Consultants, Inc.
3159 Voyager Drive
Green Bay, WI 54311

RE: Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191649

Dear Roger Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on July 22, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191649

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150

Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191649

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40191649001	PW-10	Water	07/19/19 11:13	07/22/19 08:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191649

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40191649001	PW-10	EPA 8260	HNW	64	PASI-G

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191649

Sample: **PW-10** Lab ID: **40191649001** Collected: 07/19/19 11:13 Received: 07/22/19 08:30 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		07/23/19 12:33	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/23/19 12:33	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/23/19 12:33	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/23/19 12:33	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/23/19 12:33	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/23/19 12:33	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 12:33	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/23/19 12:33	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/23/19 12:33	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		07/23/19 12:33	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 12:33	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/23/19 12:33	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/23/19 12:33	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/23/19 12:33	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/23/19 12:33	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/23/19 12:33	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/23/19 12:33	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/23/19 12:33	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/23/19 12:33	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/23/19 12:33	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 12:33	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/19 12:33	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/23/19 12:33	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/23/19 12:33	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 12:33	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 12:33	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/23/19 12:33	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/23/19 12:33	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		07/23/19 12:33	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/23/19 12:33	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/23/19 12:33	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/23/19 12:33	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/23/19 12:33	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/23/19 12:33	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/23/19 12:33	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/23/19 12:33	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		07/23/19 12:33	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		07/23/19 12:33	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		07/23/19 12:33	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/23/19 12:33	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/23/19 12:33	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/23/19 12:33	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/23/19 12:33	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/23/19 12:33	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		07/23/19 12:33	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 12:33	630-20-6	

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191649

Sample: PW-10 **Lab ID: 40191649001** Collected: 07/19/19 11:13 Received: 07/22/19 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 12:33	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/23/19 12:33	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		07/23/19 12:33	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		07/23/19 12:33	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/23/19 12:33	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/23/19 12:33	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/23/19 12:33	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/23/19 12:33	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/23/19 12:33	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/23/19 12:33	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/23/19 12:33	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/23/19 12:33	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/23/19 12:33	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/23/19 12:33	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/23/19 12:33	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		07/23/19 12:33	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		07/23/19 12:33	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		07/23/19 12:33	2037-26-5	

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191649

QC Batch: 328308 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40191649001

METHOD BLANK: 1906370 Matrix: Water
Associated Lab Samples: 40191649001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	07/23/19 07:32	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	07/23/19 07:32	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	07/23/19 07:32	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	07/23/19 07:32	
1,1-Dichloroethane	ug/L	<0.27	1.0	07/23/19 07:32	
1,1-Dichloroethene	ug/L	<0.24	1.0	07/23/19 07:32	
1,1-Dichloropropene	ug/L	<0.54	1.8	07/23/19 07:32	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	07/23/19 07:32	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	07/23/19 07:32	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	07/23/19 07:32	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	07/23/19 07:32	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	07/23/19 07:32	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	07/23/19 07:32	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	07/23/19 07:32	
1,2-Dichloroethane	ug/L	<0.28	1.0	07/23/19 07:32	
1,2-Dichloropropane	ug/L	<0.28	1.0	07/23/19 07:32	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	07/23/19 07:32	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	07/23/19 07:32	
1,3-Dichloropropane	ug/L	<0.83	2.8	07/23/19 07:32	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	07/23/19 07:32	
2,2-Dichloropropane	ug/L	<2.3	7.6	07/23/19 07:32	
2-Chlorotoluene	ug/L	<0.93	5.0	07/23/19 07:32	
4-Chlorotoluene	ug/L	<0.76	2.5	07/23/19 07:32	
Benzene	ug/L	<0.25	1.0	07/23/19 07:32	
Bromobenzene	ug/L	<0.24	1.0	07/23/19 07:32	
Bromochloromethane	ug/L	<0.36	5.0	07/23/19 07:32	
Bromodichloromethane	ug/L	<0.36	1.2	07/23/19 07:32	
Bromoform	ug/L	<4.0	13.2	07/23/19 07:32	
Bromomethane	ug/L	<0.97	5.0	07/23/19 07:32	
Carbon tetrachloride	ug/L	<0.17	1.0	07/23/19 07:32	
Chlorobenzene	ug/L	<0.71	2.4	07/23/19 07:32	
Chloroethane	ug/L	<1.3	5.0	07/23/19 07:32	
Chloroform	ug/L	<1.3	5.0	07/23/19 07:32	
Chloromethane	ug/L	<2.2	7.3	07/23/19 07:32	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	07/23/19 07:32	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	07/23/19 07:32	
Dibromochloromethane	ug/L	<2.6	8.7	07/23/19 07:32	
Dibromomethane	ug/L	<0.94	3.1	07/23/19 07:32	
Dichlorodifluoromethane	ug/L	<0.50	5.0	07/23/19 07:32	
Diisopropyl ether	ug/L	<1.9	6.3	07/23/19 07:32	
Ethylbenzene	ug/L	<0.22	1.0	07/23/19 07:32	

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191649

METHOD BLANK: 1906370 Matrix: Water
Associated Lab Samples: 40191649001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	07/23/19 07:32	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	07/23/19 07:32	
m&p-Xylene	ug/L	<0.47	2.0	07/23/19 07:32	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	07/23/19 07:32	
Methylene Chloride	ug/L	<0.58	5.0	07/23/19 07:32	
n-Butylbenzene	ug/L	<0.71	2.4	07/23/19 07:32	
n-Propylbenzene	ug/L	<0.81	5.0	07/23/19 07:32	
Naphthalene	ug/L	<1.2	5.0	07/23/19 07:32	
o-Xylene	ug/L	<0.26	1.0	07/23/19 07:32	
p-Isopropyltoluene	ug/L	<0.80	2.7	07/23/19 07:32	
sec-Butylbenzene	ug/L	<0.85	5.0	07/23/19 07:32	
Styrene	ug/L	<0.47	1.6	07/23/19 07:32	
tert-Butylbenzene	ug/L	<0.30	1.0	07/23/19 07:32	
Tetrachloroethene	ug/L	<0.33	1.1	07/23/19 07:32	
Toluene	ug/L	<0.17	5.0	07/23/19 07:32	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	07/23/19 07:32	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	07/23/19 07:32	
Trichloroethene	ug/L	<0.26	1.0	07/23/19 07:32	
Trichlorofluoromethane	ug/L	<0.21	1.0	07/23/19 07:32	
Vinyl chloride	ug/L	<0.17	1.0	07/23/19 07:32	
4-Bromofluorobenzene (S)	%	98	70-130	07/23/19 07:32	
Dibromofluoromethane (S)	%	96	70-130	07/23/19 07:32	
Toluene-d8 (S)	%	106	70-130	07/23/19 07:32	

LABORATORY CONTROL SAMPLE: 1906371

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.1	100	70-130	
1,1,1,2-Tetrachloroethane	ug/L	50	57.1	114	70-130	
1,1,2-Trichloroethane	ug/L	50	53.8	108	70-130	
1,1-Dichloroethane	ug/L	50	43.9	88	73-150	
1,1-Dichloroethene	ug/L	50	44.8	90	73-138	
1,2,4-Trichlorobenzene	ug/L	50	55.2	110	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	56.3	113	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	50.9	102	70-130	
1,2-Dichlorobenzene	ug/L	50	50.4	101	70-130	
1,2-Dichloroethane	ug/L	50	47.4	95	75-140	
1,2-Dichloropropane	ug/L	50	51.0	102	73-135	
1,3-Dichlorobenzene	ug/L	50	49.8	100	70-130	
1,4-Dichlorobenzene	ug/L	50	48.3	97	70-130	
Benzene	ug/L	50	51.9	104	70-130	
Bromodichloromethane	ug/L	50	50.5	101	70-130	
Bromoform	ug/L	50	45.7	91	68-129	
Bromomethane	ug/L	50	29.6	59	18-159	

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191649

LABORATORY CONTROL SAMPLE: 1906371

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	45.5	91	70-130	
Chlorobenzene	ug/L	50	51.7	103	70-130	
Chloroethane	ug/L	50	42.6	85	53-147	
Chloroform	ug/L	50	50.3	101	74-136	
Chloromethane	ug/L	50	26.6	53	29-115	
cis-1,2-Dichloroethene	ug/L	50	49.4	99	70-130	
cis-1,3-Dichloropropene	ug/L	50	48.7	97	70-130	
Dibromochloromethane	ug/L	50	43.6	87	70-130	
Dichlorodifluoromethane	ug/L	50	37.8	76	10-130	
Ethylbenzene	ug/L	50	54.5	109	80-124	
Isopropylbenzene (Cumene)	ug/L	50	52.6	105	70-130	
m&p-Xylene	ug/L	100	103	103	70-130	
Methyl-tert-butyl ether	ug/L	50	44.4	89	54-137	
Methylene Chloride	ug/L	50	45.1	90	73-138	
o-Xylene	ug/L	50	51.0	102	70-130	
Styrene	ug/L	50	48.0	96	70-130	
Tetrachloroethene	ug/L	50	48.2	96	70-130	
Toluene	ug/L	50	53.2	106	80-126	
trans-1,2-Dichloroethene	ug/L	50	42.1	84	73-145	
trans-1,3-Dichloropropene	ug/L	50	54.1	108	70-130	
Trichloroethene	ug/L	50	50.6	101	70-130	
Trichlorofluoromethane	ug/L	50	48.7	97	76-147	
Vinyl chloride	ug/L	50	42.5	85	51-120	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			96	70-130	
Toluene-d8 (S)	%			105	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1906374 1906375

Parameter	Units	40191647001		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	53.1	51.6	106	103	70-130	3	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	56.1	57.8	112	116	70-130	3	20		
1,1,2-Trichloroethane	ug/L	<0.55	50	50	54.2	53.2	108	106	70-137	2	20		
1,1-Dichloroethane	ug/L	<0.27	50	50	45.9	45.2	92	90	73-153	2	20		
1,1-Dichloroethene	ug/L	<0.24	50	50	45.4	45.7	91	91	73-138	1	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	57.1	58.3	114	117	70-130	2	20		
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	54.2	57.7	108	115	58-129	6	20		
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	52.9	52.6	106	105	70-130	0	20		
1,2-Dichlorobenzene	ug/L	<0.71	50	50	51.5	51.3	103	103	70-130	0	20		
1,2-Dichloroethane	ug/L	<0.28	50	50	50.3	48.2	101	96	75-140	4	20		
1,2-Dichloropropane	ug/L	<0.28	50	50	51.7	51.7	103	103	71-138	0	20		
1,3-Dichlorobenzene	ug/L	<0.63	50	50	51.0	50.4	102	101	70-130	1	20		
1,4-Dichlorobenzene	ug/L	<0.94	50	50	50.0	48.7	100	97	70-130	3	20		

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191649

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1906374 1906375												
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40191647001 Result	Spike Conc.	Spike Conc.	MS Result							
Benzene	ug/L	<0.25	50	50	54.0	53.5	108	107	70-130	1	20	
Bromodichloromethane	ug/L	<0.36	50	50	51.1	51.4	102	103	70-130	1	20	
Bromoform	ug/L	<4.0	50	50	46.4	46.6	93	93	68-129	0	20	
Bromomethane	ug/L	<0.97	50	50	34.0	33.7	68	67	15-170	1	20	
Carbon tetrachloride	ug/L	<0.17	50	50	46.2	45.8	92	92	70-130	1	20	
Chlorobenzene	ug/L	<0.71	50	50	52.9	52.7	106	105	70-130	0	20	
Chloroethane	ug/L	<1.3	50	50	43.8	43.6	88	87	51-148	0	20	
Chloroform	ug/L	<1.3	50	50	52.0	50.4	104	101	74-136	3	20	
Chloromethane	ug/L	<2.2	50	50	27.1	26.5	54	53	23-115	2	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	51.0	49.7	102	99	70-131	2	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	49.8	49.6	100	99	70-130	0	20	
Dibromochloromethane	ug/L	<2.6	50	50	45.0	44.9	90	90	70-130	0	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	37.5	37.6	75	75	10-132	0	20	
Ethylbenzene	ug/L	<0.22	50	50	55.9	55.8	112	112	80-125	0	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	53.8	53.9	108	108	70-130	0	20	
m&p-Xylene	ug/L	<0.47	100	100	107	107	107	107	70-130	0	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	45.3	45.2	91	90	51-145	0	20	
Methylene Chloride	ug/L	<0.58	50	50	47.1	46.1	94	92	73-140	2	20	
o-Xylene	ug/L	<0.26	50	50	52.0	52.4	104	105	70-130	1	20	
Styrene	ug/L	<0.47	50	50	49.0	48.9	98	98	70-130	0	20	
Tetrachloroethene	ug/L	<0.33	50	50	48.5	49.8	97	100	70-130	3	20	
Toluene	ug/L	<0.17	50	50	54.6	54.3	109	109	80-131	0	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	43.7	42.5	87	85	73-148	3	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	55.1	54.8	110	110	70-130	0	20	
Trichloroethene	ug/L	<0.26	50	50	52.8	51.7	106	103	70-130	2	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	49.7	48.4	99	97	74-147	3	20	
Vinyl chloride	ug/L	<0.17	50	50	42.5	42.4	85	85	41-129	0	20	
4-Bromofluorobenzene (S)	%						102	102	70-130			
Dibromofluoromethane (S)	%						95	96	70-130			
Toluene-d8 (S)	%						104	106	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: 1902344 LAKEWOOD DX

Pace Project No.: 40191649

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191649

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40191649001	PW-10	EPA 8260	328308		

REPORT OF LABORATORY ANALYSIS

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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: GET

Project #: _____

WO#: 40191649



40191649

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

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

Cooler Temperature Uncorr: RDT/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: 7-22-19
Initials: SW

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 type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature] Date: 7-22-19



August 2, 2019

SCOTT AND CHERYL PETERSON
15698 STATE HWY 32
LAKEWOOD WI 54138

SUBJECT: Notification of Groundwater Sampling Results
Lakewood DX, 15761 East Chain Lake Road, Lakewood, WI
BRRTS Activity # 02-43-000105

Dear Mr. and Ms. Peterson:

Please find the attached results from the July 19, 2019 sampling of the water supply well that serves your property at 15698 State Highway 32. As part of the cleanup for the Lakewood DX site, this well was sampled. The samples were collected by GEI, a consultant hired by the Department of Natural Resources (DNR) for the work associated with the Lakewood DX site. The samples collected were analyzed for volatile organic compounds (VOCs).

The test results show that Trichloroethene was detected in the water supply well that serves the property above the public health enforcement standard. The test results from the water supply well following treatment show that none of these compounds were detected at concentrations above the public health related drinking water standards. It is advisable that the treatment system on the property continue to be maintained. To summarize, the Trichloroethene detected in the water supply well is being treated such that following treatment the compounds were either undetected or were within acceptable ranges. Please refer to the attached laboratory analytical report.

If you have any questions, please contact me at (920) 662-5443 or by email to Sarah.Krueger@wisconsin.gov.

Sincerely,

A handwritten signature in cursive script that reads 'Sarah E. Krueger'.

Sarah Krueger
Project Manager
Remediation & Redevelopment Program

att. Laboratory Analytical Report

July 24, 2019

Roger Miller
GEI Consultants, Inc.
3159 Voyager Drive
Green Bay, WI 54311

RE: Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191651

Dear Roger Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on July 22, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191651

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191651

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40191651001	PW-20	Water	07/19/19 12:10	07/22/19 08:30
40191651002	PW-21	Water	07/19/19 12:15	07/22/19 08:30
40191651003	PW-21D	Water	07/19/19 12:16	07/22/19 08:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191651

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40191651001	PW-20	EPA 8260	HNW	64	PASI-G
40191651002	PW-21	EPA 8260	HNW	64	PASI-G
40191651003	PW-21D	EPA 8260	HNW	64	PASI-G

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191651

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40191651001	PW-20					
EPA 8260	cis-1,2-Dichloroethene	20.7	ug/L	1.0	07/23/19 13:16	
EPA 8260	Ethylbenzene	0.25J	ug/L	1.0	07/23/19 13:16	
EPA 8260	Trichloroethene	9.6	ug/L	1.0	07/23/19 13:16	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191651

Sample: PW-20 **Lab ID: 40191651001** Collected: 07/19/19 12:10 Received: 07/22/19 08:30 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		07/23/19 13:16	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/23/19 13:16	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/23/19 13:16	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/23/19 13:16	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/23/19 13:16	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/23/19 13:16	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 13:16	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/23/19 13:16	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/23/19 13:16	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		07/23/19 13:16	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 13:16	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/23/19 13:16	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/23/19 13:16	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/23/19 13:16	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/23/19 13:16	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/23/19 13:16	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/23/19 13:16	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/23/19 13:16	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/23/19 13:16	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/23/19 13:16	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 13:16	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/19 13:16	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/23/19 13:16	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/23/19 13:16	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 13:16	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 13:16	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/23/19 13:16	75-35-4	
cis-1,2-Dichloroethene	20.7	ug/L	1.0	0.27	1		07/23/19 13:16	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		07/23/19 13:16	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/23/19 13:16	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/23/19 13:16	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/23/19 13:16	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/23/19 13:16	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/23/19 13:16	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/23/19 13:16	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/23/19 13:16	108-20-3	
Ethylbenzene	0.25J	ug/L	1.0	0.22	1		07/23/19 13:16	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		07/23/19 13:16	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		07/23/19 13:16	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/23/19 13:16	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/23/19 13:16	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/23/19 13:16	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/23/19 13:16	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/23/19 13:16	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		07/23/19 13:16	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 13:16	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191651

Sample: PW-20 **Lab ID: 40191651001** Collected: 07/19/19 12:10 Received: 07/22/19 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 13:16	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/23/19 13:16	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		07/23/19 13:16	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		07/23/19 13:16	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/23/19 13:16	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/23/19 13:16	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/23/19 13:16	79-00-5	
Trichloroethene	9.6	ug/L	1.0	0.26	1		07/23/19 13:16	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/23/19 13:16	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/23/19 13:16	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/23/19 13:16	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/23/19 13:16	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/23/19 13:16	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/23/19 13:16	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/23/19 13:16	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		07/23/19 13:16	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		07/23/19 13:16	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		07/23/19 13:16	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191651

Sample: PW-21 **Lab ID: 40191651002** Collected: 07/19/19 12:15 Received: 07/22/19 08:30 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		07/23/19 13:38	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/23/19 13:38	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/23/19 13:38	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/23/19 13:38	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/23/19 13:38	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/23/19 13:38	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 13:38	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/23/19 13:38	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/23/19 13:38	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		07/23/19 13:38	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 13:38	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/23/19 13:38	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/23/19 13:38	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/23/19 13:38	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/23/19 13:38	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/23/19 13:38	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/23/19 13:38	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/23/19 13:38	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/23/19 13:38	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/23/19 13:38	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 13:38	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/19 13:38	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/23/19 13:38	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/23/19 13:38	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 13:38	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 13:38	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/23/19 13:38	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/23/19 13:38	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		07/23/19 13:38	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/23/19 13:38	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/23/19 13:38	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/23/19 13:38	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/23/19 13:38	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/23/19 13:38	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/23/19 13:38	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/23/19 13:38	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		07/23/19 13:38	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		07/23/19 13:38	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		07/23/19 13:38	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/23/19 13:38	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/23/19 13:38	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/23/19 13:38	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/23/19 13:38	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/23/19 13:38	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		07/23/19 13:38	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 13:38	630-20-6	

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191651

Sample: PW-21 **Lab ID: 40191651002** Collected: 07/19/19 12:15 Received: 07/22/19 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 13:38	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/23/19 13:38	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		07/23/19 13:38	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		07/23/19 13:38	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/23/19 13:38	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/23/19 13:38	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/23/19 13:38	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/23/19 13:38	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/23/19 13:38	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/23/19 13:38	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/23/19 13:38	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/23/19 13:38	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/23/19 13:38	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/23/19 13:38	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/23/19 13:38	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		07/23/19 13:38	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		07/23/19 13:38	1868-53-7	
Toluene-d8 (S)	105	%	70-130		1		07/23/19 13:38	2037-26-5	

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191651

Sample: PW-21D **Lab ID: 40191651003** Collected: 07/19/19 12:16 Received: 07/22/19 08:30 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		07/23/19 13:59	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/23/19 13:59	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/23/19 13:59	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/23/19 13:59	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/23/19 13:59	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/23/19 13:59	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 13:59	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/23/19 13:59	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/23/19 13:59	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		07/23/19 13:59	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 13:59	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/23/19 13:59	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/23/19 13:59	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/23/19 13:59	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/23/19 13:59	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/23/19 13:59	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/23/19 13:59	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/23/19 13:59	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/23/19 13:59	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/23/19 13:59	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 13:59	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/19 13:59	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/23/19 13:59	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/23/19 13:59	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 13:59	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 13:59	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/23/19 13:59	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/23/19 13:59	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		07/23/19 13:59	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/23/19 13:59	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/23/19 13:59	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/23/19 13:59	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/23/19 13:59	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/23/19 13:59	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/23/19 13:59	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/23/19 13:59	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		07/23/19 13:59	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		07/23/19 13:59	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		07/23/19 13:59	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/23/19 13:59	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/23/19 13:59	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/23/19 13:59	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/23/19 13:59	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/23/19 13:59	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		07/23/19 13:59	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 13:59	630-20-6	

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191651

Sample: PW-21D **Lab ID: 40191651003** Collected: 07/19/19 12:16 Received: 07/22/19 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 13:59	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/23/19 13:59	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		07/23/19 13:59	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		07/23/19 13:59	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/23/19 13:59	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/23/19 13:59	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/23/19 13:59	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/23/19 13:59	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/23/19 13:59	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/23/19 13:59	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/23/19 13:59	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/23/19 13:59	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/23/19 13:59	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/23/19 13:59	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/23/19 13:59	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		07/23/19 13:59	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		07/23/19 13:59	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		07/23/19 13:59	2037-26-5	

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191651

QC Batch: 328308 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40191651001, 40191651002, 40191651003

METHOD BLANK: 1906370 Matrix: Water
Associated Lab Samples: 40191651001, 40191651002, 40191651003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	07/23/19 07:32	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	07/23/19 07:32	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	07/23/19 07:32	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	07/23/19 07:32	
1,1-Dichloroethane	ug/L	<0.27	1.0	07/23/19 07:32	
1,1-Dichloroethene	ug/L	<0.24	1.0	07/23/19 07:32	
1,1-Dichloropropene	ug/L	<0.54	1.8	07/23/19 07:32	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	07/23/19 07:32	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	07/23/19 07:32	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	07/23/19 07:32	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	07/23/19 07:32	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	07/23/19 07:32	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	07/23/19 07:32	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	07/23/19 07:32	
1,2-Dichloroethane	ug/L	<0.28	1.0	07/23/19 07:32	
1,2-Dichloropropane	ug/L	<0.28	1.0	07/23/19 07:32	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	07/23/19 07:32	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	07/23/19 07:32	
1,3-Dichloropropane	ug/L	<0.83	2.8	07/23/19 07:32	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	07/23/19 07:32	
2,2-Dichloropropane	ug/L	<2.3	7.6	07/23/19 07:32	
2-Chlorotoluene	ug/L	<0.93	5.0	07/23/19 07:32	
4-Chlorotoluene	ug/L	<0.76	2.5	07/23/19 07:32	
Benzene	ug/L	<0.25	1.0	07/23/19 07:32	
Bromobenzene	ug/L	<0.24	1.0	07/23/19 07:32	
Bromochloromethane	ug/L	<0.36	5.0	07/23/19 07:32	
Bromodichloromethane	ug/L	<0.36	1.2	07/23/19 07:32	
Bromoform	ug/L	<4.0	13.2	07/23/19 07:32	
Bromomethane	ug/L	<0.97	5.0	07/23/19 07:32	
Carbon tetrachloride	ug/L	<0.17	1.0	07/23/19 07:32	
Chlorobenzene	ug/L	<0.71	2.4	07/23/19 07:32	
Chloroethane	ug/L	<1.3	5.0	07/23/19 07:32	
Chloroform	ug/L	<1.3	5.0	07/23/19 07:32	
Chloromethane	ug/L	<2.2	7.3	07/23/19 07:32	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	07/23/19 07:32	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	07/23/19 07:32	
Dibromochloromethane	ug/L	<2.6	8.7	07/23/19 07:32	
Dibromomethane	ug/L	<0.94	3.1	07/23/19 07:32	
Dichlorodifluoromethane	ug/L	<0.50	5.0	07/23/19 07:32	
Diisopropyl ether	ug/L	<1.9	6.3	07/23/19 07:32	
Ethylbenzene	ug/L	<0.22	1.0	07/23/19 07:32	

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

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191651

METHOD BLANK: 1906370

Matrix: Water

Associated Lab Samples: 40191651001, 40191651002, 40191651003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	07/23/19 07:32	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	07/23/19 07:32	
m&p-Xylene	ug/L	<0.47	2.0	07/23/19 07:32	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	07/23/19 07:32	
Methylene Chloride	ug/L	<0.58	5.0	07/23/19 07:32	
n-Butylbenzene	ug/L	<0.71	2.4	07/23/19 07:32	
n-Propylbenzene	ug/L	<0.81	5.0	07/23/19 07:32	
Naphthalene	ug/L	<1.2	5.0	07/23/19 07:32	
o-Xylene	ug/L	<0.26	1.0	07/23/19 07:32	
p-Isopropyltoluene	ug/L	<0.80	2.7	07/23/19 07:32	
sec-Butylbenzene	ug/L	<0.85	5.0	07/23/19 07:32	
Styrene	ug/L	<0.47	1.6	07/23/19 07:32	
tert-Butylbenzene	ug/L	<0.30	1.0	07/23/19 07:32	
Tetrachloroethene	ug/L	<0.33	1.1	07/23/19 07:32	
Toluene	ug/L	<0.17	5.0	07/23/19 07:32	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	07/23/19 07:32	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	07/23/19 07:32	
Trichloroethene	ug/L	<0.26	1.0	07/23/19 07:32	
Trichlorofluoromethane	ug/L	<0.21	1.0	07/23/19 07:32	
Vinyl chloride	ug/L	<0.17	1.0	07/23/19 07:32	
4-Bromofluorobenzene (S)	%	98	70-130	07/23/19 07:32	
Dibromofluoromethane (S)	%	96	70-130	07/23/19 07:32	
Toluene-d8 (S)	%	106	70-130	07/23/19 07:32	

LABORATORY CONTROL SAMPLE: 1906371

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.1	100	70-130	
1,1,1,2-Tetrachloroethane	ug/L	50	57.1	114	70-130	
1,1,2-Trichloroethane	ug/L	50	53.8	108	70-130	
1,1-Dichloroethane	ug/L	50	43.9	88	73-150	
1,1-Dichloroethene	ug/L	50	44.8	90	73-138	
1,2,4-Trichlorobenzene	ug/L	50	55.2	110	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	56.3	113	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	50.9	102	70-130	
1,2-Dichlorobenzene	ug/L	50	50.4	101	70-130	
1,2-Dichloroethane	ug/L	50	47.4	95	75-140	
1,2-Dichloropropane	ug/L	50	51.0	102	73-135	
1,3-Dichlorobenzene	ug/L	50	49.8	100	70-130	
1,4-Dichlorobenzene	ug/L	50	48.3	97	70-130	
Benzene	ug/L	50	51.9	104	70-130	
Bromodichloromethane	ug/L	50	50.5	101	70-130	
Bromoform	ug/L	50	45.7	91	68-129	
Bromomethane	ug/L	50	29.6	59	18-159	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191651

LABORATORY CONTROL SAMPLE: 1906371

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	45.5	91	70-130	
Chlorobenzene	ug/L	50	51.7	103	70-130	
Chloroethane	ug/L	50	42.6	85	53-147	
Chloroform	ug/L	50	50.3	101	74-136	
Chloromethane	ug/L	50	26.6	53	29-115	
cis-1,2-Dichloroethene	ug/L	50	49.4	99	70-130	
cis-1,3-Dichloropropene	ug/L	50	48.7	97	70-130	
Dibromochloromethane	ug/L	50	43.6	87	70-130	
Dichlorodifluoromethane	ug/L	50	37.8	76	10-130	
Ethylbenzene	ug/L	50	54.5	109	80-124	
Isopropylbenzene (Cumene)	ug/L	50	52.6	105	70-130	
m&p-Xylene	ug/L	100	103	103	70-130	
Methyl-tert-butyl ether	ug/L	50	44.4	89	54-137	
Methylene Chloride	ug/L	50	45.1	90	73-138	
o-Xylene	ug/L	50	51.0	102	70-130	
Styrene	ug/L	50	48.0	96	70-130	
Tetrachloroethene	ug/L	50	48.2	96	70-130	
Toluene	ug/L	50	53.2	106	80-126	
trans-1,2-Dichloroethene	ug/L	50	42.1	84	73-145	
trans-1,3-Dichloropropene	ug/L	50	54.1	108	70-130	
Trichloroethene	ug/L	50	50.6	101	70-130	
Trichlorofluoromethane	ug/L	50	48.7	97	76-147	
Vinyl chloride	ug/L	50	42.5	85	51-120	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			96	70-130	
Toluene-d8 (S)	%			105	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1906374 1906375

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40191647001 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1-Trichloroethane	ug/L	<0.24	50	50	50	53.1	51.6	106	103	70-130	3	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	50	56.1	57.8	112	116	70-130	3	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	50	54.2	53.2	108	106	70-137	2	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	50	45.9	45.2	92	90	73-153	2	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	50	45.4	45.7	91	91	73-138	1	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	50	57.1	58.3	114	117	70-130	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	50	54.2	57.7	108	115	58-129	6	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	50	52.9	52.6	106	105	70-130	0	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	50	51.5	51.3	103	103	70-130	0	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	50	50.3	48.2	101	96	75-140	4	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	50	51.7	51.7	103	103	71-138	0	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	50	51.0	50.4	102	101	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	50	50.0	48.7	100	97	70-130	3	20	

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191651

Parameter	Units	40191647001		1906374		1906375		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
Benzene	ug/L	<0.25	50	50	54.0	53.5	108	107	70-130	1	20			
Bromodichloromethane	ug/L	<0.36	50	50	51.1	51.4	102	103	70-130	1	20			
Bromoform	ug/L	<4.0	50	50	46.4	46.6	93	93	68-129	0	20			
Bromomethane	ug/L	<0.97	50	50	34.0	33.7	68	67	15-170	1	20			
Carbon tetrachloride	ug/L	<0.17	50	50	46.2	45.8	92	92	70-130	1	20			
Chlorobenzene	ug/L	<0.71	50	50	52.9	52.7	106	105	70-130	0	20			
Chloroethane	ug/L	<1.3	50	50	43.8	43.6	88	87	51-148	0	20			
Chloroform	ug/L	<1.3	50	50	52.0	50.4	104	101	74-136	3	20			
Chloromethane	ug/L	<2.2	50	50	27.1	26.5	54	53	23-115	2	20			
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	51.0	49.7	102	99	70-131	2	20			
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	49.8	49.6	100	99	70-130	0	20			
Dibromochloromethane	ug/L	<2.6	50	50	45.0	44.9	90	90	70-130	0	20			
Dichlorodifluoromethane	ug/L	<0.50	50	50	37.5	37.6	75	75	10-132	0	20			
Ethylbenzene	ug/L	<0.22	50	50	55.9	55.8	112	112	80-125	0	20			
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	53.8	53.9	108	108	70-130	0	20			
m&p-Xylene	ug/L	<0.47	100	100	107	107	107	107	70-130	0	20			
Methyl-tert-butyl ether	ug/L	<1.2	50	50	45.3	45.2	91	90	51-145	0	20			
Methylene Chloride	ug/L	<0.58	50	50	47.1	46.1	94	92	73-140	2	20			
o-Xylene	ug/L	<0.26	50	50	52.0	52.4	104	105	70-130	1	20			
Styrene	ug/L	<0.47	50	50	49.0	48.9	98	98	70-130	0	20			
Tetrachloroethene	ug/L	<0.33	50	50	48.5	49.8	97	100	70-130	3	20			
Toluene	ug/L	<0.17	50	50	54.6	54.3	109	109	80-131	0	20			
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	43.7	42.5	87	85	73-148	3	20			
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	55.1	54.8	110	110	70-130	0	20			
Trichloroethene	ug/L	<0.26	50	50	52.8	51.7	106	103	70-130	2	20			
Trichlorofluoromethane	ug/L	<0.21	50	50	49.7	48.4	99	97	74-147	3	20			
Vinyl chloride	ug/L	<0.17	50	50	42.5	42.4	85	85	41-129	0	20			
4-Bromofluorobenzene (S)	%						102	102	70-130					
Dibromofluoromethane (S)	%						95	96	70-130					
Toluene-d8 (S)	%						104	106	70-130					

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191651

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191651

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40191651001	PW-20	EPA 8260	328308		
40191651002	PW-21	EPA 8260	328308		
40191651003	PW-21D	EPA 8260	328308		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: GEI Consultants, Inc.
 Branch/Location: Green Bay, WI
 Project Contact: Roger Miller
 Phone: 920-455-8200
 Project Number: 1902344
 Project Name: Lakewood DX
 Project State: WI
 Sampled By (Print): Kyle Sundmire
 Sampled By (Sign): [Signature]
 PO #:



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

40191651

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																		
Pick Letter	B																		
Analyses Requested	VOCs																		
X																			
X																			
X																			

Quote #: _____
 Mail To Contact: Roger Miller
 Mail To Company: GEI Consultants, Inc.
 Mail To Address: 3159 Voyageur Drive
Green Bay, WI 54311
 Invoice To Contact: _____
 Invoice To Company: _____
 Invoice To Address: J
 Invoice To Phone: _____

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	Y/N	Pick Letter	Analyses Requested
		DATE	TIME				
<u>001</u>	<u>PW-20</u>	<u>7/19/19</u>	<u>12:10</u>	<u>GW</u>	<u>X</u>		
<u>002</u>	<u>PW-21</u>	<u>7/19/19</u>	<u>12:15</u>	<u>GW</u>	<u>X</u>		
<u>003</u>	<u>PW-21 D</u>	<u>7/19/17</u>	<u>12:16</u>	<u>GW</u>	<u>X</u>		

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
<u>(Pre)</u>		
<u>(Post)</u>		
<u>(Post)</u>		

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

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

Relinquished By: [Signature] Date/Time: 7/22/2019 8:30
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____

Received By: [Signature] Date/Time: 7/22/2019 8:30
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

PACE Project No. 40191651
 Receipt Temp = 20 °C
 Sample Receipt pH OK / Adjusted
 Cooler Custody Seal Present / Not Present Intact / Not Intact



1241 Bellevue Street, Green Bay, WI 54302

Document Name:
Sample Condition Upon Receipt (SCUR)

Document No.:
F-GB-C-031-Rev.07

Document Revised: 25Apr2018

Issuing Authority:
Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: GET

Project #: _____

WO#: **40191651**



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

Tracking #: _____

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

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

Packing Material: Bubble Wrap Bubble Bags None Other

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

Cooler Temperature Uncorr: RBI /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: 7-22-19
Initials: SW

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 checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:	<u>W</u>	
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):	_____	

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

Project Manager Review: [Signature]

Date: 7-22-19



August 2, 2019

DONALD RALPH
5816 W CARMEN AVE
MILWAUKEE WI 53218

SUBJECT: Notification of Groundwater Sampling Results
Lakewood DX, 15761 East Chain Lake Road, Lakewood, WI
BRRTS Activity # 02-43-000105

Dear Mr. Ralph:

Please find the attached results from the July 19, 2019 sampling of the groundwater monitoring wells, MW-4 and MW-6, on your property at 15761 East Chain Lake Road. As part of the cleanup for the Lakewood DX site, these wells were sampled. The samples were collected by GEI, a consultant hired by the Department of Natural Resources (DNR) for the work associated with the Lakewood DX site. The samples collected were analyzed for volatile organic compounds (VOCs).

The test results show that none of these compounds were detected at concentrations above the public health related drinking water standards. To summarize, all the compounds were either undetected or were within acceptable ranges. Please refer to the attached laboratory analytical report.

If you have any questions, please contact me at (920) 662-5443 or by email to Sarah.Krueger@wisconsin.gov.

Sincerely,



Sarah Krueger
Project Manager
Remediation & Redevelopment Program

att. Laboratory Analytical Report

July 24, 2019

Roger Miller
GEI Consultants, Inc.
3159 Voyager Drive
Green Bay, WI 54311

RE: Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191648

Dear Roger Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on July 22, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191648

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191648

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40191648001	MW-4	Water	07/19/19 09:00	07/22/19 08:30
40191648002	MW-6	Water	07/19/19 08:40	07/22/19 08:30
40191648003	MW-4D	Water	07/19/19 09:10	07/22/19 08:30

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SAMPLE ANALYTE COUNT

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191648

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40191648001	MW-4	EPA 8260	HNW	64	PASI-G
40191648002	MW-6	EPA 8260	HNW	64	PASI-G
40191648003	MW-4D	EPA 8260	HNW	64	PASI-G

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191648

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40191648001	MW-4					
EPA 8260	1,2,4-Trimethylbenzene	8.0	ug/L	2.8	07/23/19 11:29	
EPA 8260	1,3,5-Trimethylbenzene	5.9	ug/L	2.9	07/23/19 11:29	
40191648003	MW-4D					
EPA 8260	p-Isopropyltoluene	0.81J	ug/L	2.7	07/23/19 12:12	
EPA 8260	1,2,4-Trimethylbenzene	7.9	ug/L	2.8	07/23/19 12:12	
EPA 8260	1,3,5-Trimethylbenzene	5.9	ug/L	2.9	07/23/19 12:12	

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191648

Sample: MW-4 **Lab ID: 40191648001** Collected: 07/19/19 09:00 Received: 07/22/19 08:30 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		07/23/19 11:29	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/23/19 11:29	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/23/19 11:29	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/23/19 11:29	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/23/19 11:29	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/23/19 11:29	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 11:29	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/23/19 11:29	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/23/19 11:29	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		07/23/19 11:29	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 11:29	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/23/19 11:29	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/23/19 11:29	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/23/19 11:29	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/23/19 11:29	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/23/19 11:29	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/23/19 11:29	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/23/19 11:29	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/23/19 11:29	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/23/19 11:29	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 11:29	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/19 11:29	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/23/19 11:29	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/23/19 11:29	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 11:29	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 11:29	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/23/19 11:29	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/23/19 11:29	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		07/23/19 11:29	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/23/19 11:29	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/23/19 11:29	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/23/19 11:29	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/23/19 11:29	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/23/19 11:29	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/23/19 11:29	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/23/19 11:29	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		07/23/19 11:29	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		07/23/19 11:29	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		07/23/19 11:29	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/23/19 11:29	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/23/19 11:29	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/23/19 11:29	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/23/19 11:29	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/23/19 11:29	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		07/23/19 11:29	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 11:29	630-20-6	

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191648

Sample: MW-4 **Lab ID: 40191648001** Collected: 07/19/19 09:00 Received: 07/22/19 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 11:29	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/23/19 11:29	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		07/23/19 11:29	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		07/23/19 11:29	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/23/19 11:29	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/23/19 11:29	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/23/19 11:29	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/23/19 11:29	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/23/19 11:29	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/23/19 11:29	96-18-4	
1,2,4-Trimethylbenzene	8.0	ug/L	2.8	0.84	1		07/23/19 11:29	95-63-6	
1,3,5-Trimethylbenzene	5.9	ug/L	2.9	0.87	1		07/23/19 11:29	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/23/19 11:29	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/23/19 11:29	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/23/19 11:29	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		07/23/19 11:29	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1		07/23/19 11:29	1868-53-7	
Toluene-d8 (S)	106	%	70-130		1		07/23/19 11:29	2037-26-5	

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191648

Sample: MW-6 **Lab ID: 40191648002** Collected: 07/19/19 08:40 Received: 07/22/19 08:30 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		07/23/19 11:50	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/23/19 11:50	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/23/19 11:50	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/23/19 11:50	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/23/19 11:50	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/23/19 11:50	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 11:50	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/23/19 11:50	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/23/19 11:50	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		07/23/19 11:50	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 11:50	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/23/19 11:50	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/23/19 11:50	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/23/19 11:50	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/23/19 11:50	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/23/19 11:50	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/23/19 11:50	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/23/19 11:50	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/23/19 11:50	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/23/19 11:50	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 11:50	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/19 11:50	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/23/19 11:50	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/23/19 11:50	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 11:50	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 11:50	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/23/19 11:50	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/23/19 11:50	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		07/23/19 11:50	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/23/19 11:50	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/23/19 11:50	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/23/19 11:50	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/23/19 11:50	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/23/19 11:50	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/23/19 11:50	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/23/19 11:50	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		07/23/19 11:50	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		07/23/19 11:50	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		07/23/19 11:50	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/23/19 11:50	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/23/19 11:50	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/23/19 11:50	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/23/19 11:50	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/23/19 11:50	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		07/23/19 11:50	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 11:50	630-20-6	

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191648

Sample: MW-6 **Lab ID: 40191648002** Collected: 07/19/19 08:40 Received: 07/22/19 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 11:50	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/23/19 11:50	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		07/23/19 11:50	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		07/23/19 11:50	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/23/19 11:50	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/23/19 11:50	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/23/19 11:50	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/23/19 11:50	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/23/19 11:50	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/23/19 11:50	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/23/19 11:50	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/23/19 11:50	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/23/19 11:50	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/23/19 11:50	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/23/19 11:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		07/23/19 11:50	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		07/23/19 11:50	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		07/23/19 11:50	2037-26-5	

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191648

Sample: MW-4D **Lab ID: 40191648003** Collected: 07/19/19 09:10 Received: 07/22/19 08:30 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		07/23/19 12:12	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/23/19 12:12	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/23/19 12:12	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/23/19 12:12	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/23/19 12:12	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/23/19 12:12	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 12:12	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/23/19 12:12	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/23/19 12:12	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		07/23/19 12:12	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 12:12	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/23/19 12:12	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/23/19 12:12	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/23/19 12:12	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/23/19 12:12	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/23/19 12:12	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/23/19 12:12	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/23/19 12:12	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/23/19 12:12	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/23/19 12:12	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 12:12	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/19 12:12	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/23/19 12:12	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/23/19 12:12	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 12:12	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 12:12	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/23/19 12:12	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/23/19 12:12	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		07/23/19 12:12	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/23/19 12:12	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/23/19 12:12	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/23/19 12:12	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/23/19 12:12	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/23/19 12:12	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/23/19 12:12	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/23/19 12:12	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		07/23/19 12:12	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		07/23/19 12:12	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		07/23/19 12:12	98-82-8	
p-Isopropyltoluene	0.81J	ug/L	2.7	0.80	1		07/23/19 12:12	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/23/19 12:12	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/23/19 12:12	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/23/19 12:12	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/23/19 12:12	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		07/23/19 12:12	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 12:12	630-20-6	

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191648

Sample: MW-4D **Lab ID: 40191648003** Collected: 07/19/19 09:10 Received: 07/22/19 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 12:12	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/23/19 12:12	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		07/23/19 12:12	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		07/23/19 12:12	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/23/19 12:12	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/23/19 12:12	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/23/19 12:12	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/23/19 12:12	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/23/19 12:12	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/23/19 12:12	96-18-4	
1,2,4-Trimethylbenzene	7.9	ug/L	2.8	0.84	1		07/23/19 12:12	95-63-6	
1,3,5-Trimethylbenzene	5.9	ug/L	2.9	0.87	1		07/23/19 12:12	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/23/19 12:12	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/23/19 12:12	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/23/19 12:12	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		07/23/19 12:12	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		07/23/19 12:12	1868-53-7	
Toluene-d8 (S)	105	%	70-130		1		07/23/19 12:12	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191648

QC Batch: 328308 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40191648001, 40191648002, 40191648003

METHOD BLANK: 1906370 Matrix: Water
Associated Lab Samples: 40191648001, 40191648002, 40191648003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	07/23/19 07:32	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	07/23/19 07:32	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	07/23/19 07:32	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	07/23/19 07:32	
1,1-Dichloroethane	ug/L	<0.27	1.0	07/23/19 07:32	
1,1-Dichloroethene	ug/L	<0.24	1.0	07/23/19 07:32	
1,1-Dichloropropene	ug/L	<0.54	1.8	07/23/19 07:32	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	07/23/19 07:32	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	07/23/19 07:32	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	07/23/19 07:32	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	07/23/19 07:32	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	07/23/19 07:32	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	07/23/19 07:32	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	07/23/19 07:32	
1,2-Dichloroethane	ug/L	<0.28	1.0	07/23/19 07:32	
1,2-Dichloropropane	ug/L	<0.28	1.0	07/23/19 07:32	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	07/23/19 07:32	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	07/23/19 07:32	
1,3-Dichloropropane	ug/L	<0.83	2.8	07/23/19 07:32	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	07/23/19 07:32	
2,2-Dichloropropane	ug/L	<2.3	7.6	07/23/19 07:32	
2-Chlorotoluene	ug/L	<0.93	5.0	07/23/19 07:32	
4-Chlorotoluene	ug/L	<0.76	2.5	07/23/19 07:32	
Benzene	ug/L	<0.25	1.0	07/23/19 07:32	
Bromobenzene	ug/L	<0.24	1.0	07/23/19 07:32	
Bromochloromethane	ug/L	<0.36	5.0	07/23/19 07:32	
Bromodichloromethane	ug/L	<0.36	1.2	07/23/19 07:32	
Bromoform	ug/L	<4.0	13.2	07/23/19 07:32	
Bromomethane	ug/L	<0.97	5.0	07/23/19 07:32	
Carbon tetrachloride	ug/L	<0.17	1.0	07/23/19 07:32	
Chlorobenzene	ug/L	<0.71	2.4	07/23/19 07:32	
Chloroethane	ug/L	<1.3	5.0	07/23/19 07:32	
Chloroform	ug/L	<1.3	5.0	07/23/19 07:32	
Chloromethane	ug/L	<2.2	7.3	07/23/19 07:32	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	07/23/19 07:32	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	07/23/19 07:32	
Dibromochloromethane	ug/L	<2.6	8.7	07/23/19 07:32	
Dibromomethane	ug/L	<0.94	3.1	07/23/19 07:32	
Dichlorodifluoromethane	ug/L	<0.50	5.0	07/23/19 07:32	
Diisopropyl ether	ug/L	<1.9	6.3	07/23/19 07:32	
Ethylbenzene	ug/L	<0.22	1.0	07/23/19 07:32	

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191648

METHOD BLANK: 1906370 Matrix: Water
Associated Lab Samples: 40191648001, 40191648002, 40191648003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	07/23/19 07:32	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	07/23/19 07:32	
m&p-Xylene	ug/L	<0.47	2.0	07/23/19 07:32	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	07/23/19 07:32	
Methylene Chloride	ug/L	<0.58	5.0	07/23/19 07:32	
n-Butylbenzene	ug/L	<0.71	2.4	07/23/19 07:32	
n-Propylbenzene	ug/L	<0.81	5.0	07/23/19 07:32	
Naphthalene	ug/L	<1.2	5.0	07/23/19 07:32	
o-Xylene	ug/L	<0.26	1.0	07/23/19 07:32	
p-Isopropyltoluene	ug/L	<0.80	2.7	07/23/19 07:32	
sec-Butylbenzene	ug/L	<0.85	5.0	07/23/19 07:32	
Styrene	ug/L	<0.47	1.6	07/23/19 07:32	
tert-Butylbenzene	ug/L	<0.30	1.0	07/23/19 07:32	
Tetrachloroethene	ug/L	<0.33	1.1	07/23/19 07:32	
Toluene	ug/L	<0.17	5.0	07/23/19 07:32	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	07/23/19 07:32	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	07/23/19 07:32	
Trichloroethene	ug/L	<0.26	1.0	07/23/19 07:32	
Trichlorofluoromethane	ug/L	<0.21	1.0	07/23/19 07:32	
Vinyl chloride	ug/L	<0.17	1.0	07/23/19 07:32	
4-Bromofluorobenzene (S)	%	98	70-130	07/23/19 07:32	
Dibromofluoromethane (S)	%	96	70-130	07/23/19 07:32	
Toluene-d8 (S)	%	106	70-130	07/23/19 07:32	

LABORATORY CONTROL SAMPLE: 1906371

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.1	100	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	57.1	114	70-130	
1,1,2-Trichloroethane	ug/L	50	53.8	108	70-130	
1,1-Dichloroethane	ug/L	50	43.9	88	73-150	
1,1-Dichloroethene	ug/L	50	44.8	90	73-138	
1,2,4-Trichlorobenzene	ug/L	50	55.2	110	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	56.3	113	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	50.9	102	70-130	
1,2-Dichlorobenzene	ug/L	50	50.4	101	70-130	
1,2-Dichloroethane	ug/L	50	47.4	95	75-140	
1,2-Dichloropropane	ug/L	50	51.0	102	73-135	
1,3-Dichlorobenzene	ug/L	50	49.8	100	70-130	
1,4-Dichlorobenzene	ug/L	50	48.3	97	70-130	
Benzene	ug/L	50	51.9	104	70-130	
Bromodichloromethane	ug/L	50	50.5	101	70-130	
Bromoform	ug/L	50	45.7	91	68-129	
Bromomethane	ug/L	50	29.6	59	18-159	

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191648

LABORATORY CONTROL SAMPLE: 1906371

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	45.5	91	70-130	
Chlorobenzene	ug/L	50	51.7	103	70-130	
Chloroethane	ug/L	50	42.6	85	53-147	
Chloroform	ug/L	50	50.3	101	74-136	
Chloromethane	ug/L	50	26.6	53	29-115	
cis-1,2-Dichloroethene	ug/L	50	49.4	99	70-130	
cis-1,3-Dichloropropene	ug/L	50	48.7	97	70-130	
Dibromochloromethane	ug/L	50	43.6	87	70-130	
Dichlorodifluoromethane	ug/L	50	37.8	76	10-130	
Ethylbenzene	ug/L	50	54.5	109	80-124	
Isopropylbenzene (Cumene)	ug/L	50	52.6	105	70-130	
m&p-Xylene	ug/L	100	103	103	70-130	
Methyl-tert-butyl ether	ug/L	50	44.4	89	54-137	
Methylene Chloride	ug/L	50	45.1	90	73-138	
o-Xylene	ug/L	50	51.0	102	70-130	
Styrene	ug/L	50	48.0	96	70-130	
Tetrachloroethene	ug/L	50	48.2	96	70-130	
Toluene	ug/L	50	53.2	106	80-126	
trans-1,2-Dichloroethene	ug/L	50	42.1	84	73-145	
trans-1,3-Dichloropropene	ug/L	50	54.1	108	70-130	
Trichloroethene	ug/L	50	50.6	101	70-130	
Trichlorofluoromethane	ug/L	50	48.7	97	76-147	
Vinyl chloride	ug/L	50	42.5	85	51-120	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			96	70-130	
Toluene-d8 (S)	%			105	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1906374 1906375

Parameter	Units	40191647001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
1,1,1-Trichloroethane	ug/L	<0.24	50	50	53.1	51.6	106	103	70-130	3	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	56.1	57.8	112	116	70-130	3	20		
1,1,2-Trichloroethane	ug/L	<0.55	50	50	54.2	53.2	108	106	70-137	2	20		
1,1-Dichloroethane	ug/L	<0.27	50	50	45.9	45.2	92	90	73-153	2	20		
1,1-Dichloroethene	ug/L	<0.24	50	50	45.4	45.7	91	91	73-138	1	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	57.1	58.3	114	117	70-130	2	20		
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	54.2	57.7	108	115	58-129	6	20		
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	52.9	52.6	106	105	70-130	0	20		
1,2-Dichlorobenzene	ug/L	<0.71	50	50	51.5	51.3	103	103	70-130	0	20		
1,2-Dichloroethane	ug/L	<0.28	50	50	50.3	48.2	101	96	75-140	4	20		
1,2-Dichloropropane	ug/L	<0.28	50	50	51.7	51.7	103	103	71-138	0	20		
1,3-Dichlorobenzene	ug/L	<0.63	50	50	51.0	50.4	102	101	70-130	1	20		
1,4-Dichlorobenzene	ug/L	<0.94	50	50	50.0	48.7	100	97	70-130	3	20		

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191648

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1906374		1906375		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40191647001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Benzene	ug/L	<0.25	50	50	54.0	53.5	108	107	70-130	1	20		
Bromodichloromethane	ug/L	<0.36	50	50	51.1	51.4	102	103	70-130	1	20		
Bromoform	ug/L	<4.0	50	50	46.4	46.6	93	93	68-129	0	20		
Bromomethane	ug/L	<0.97	50	50	34.0	33.7	68	67	15-170	1	20		
Carbon tetrachloride	ug/L	<0.17	50	50	46.2	45.8	92	92	70-130	1	20		
Chlorobenzene	ug/L	<0.71	50	50	52.9	52.7	106	105	70-130	0	20		
Chloroethane	ug/L	<1.3	50	50	43.8	43.6	88	87	51-148	0	20		
Chloroform	ug/L	<1.3	50	50	52.0	50.4	104	101	74-136	3	20		
Chloromethane	ug/L	<2.2	50	50	27.1	26.5	54	53	23-115	2	20		
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	51.0	49.7	102	99	70-131	2	20		
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	49.8	49.6	100	99	70-130	0	20		
Dibromochloromethane	ug/L	<2.6	50	50	45.0	44.9	90	90	70-130	0	20		
Dichlorodifluoromethane	ug/L	<0.50	50	50	37.5	37.6	75	75	10-132	0	20		
Ethylbenzene	ug/L	<0.22	50	50	55.9	55.8	112	112	80-125	0	20		
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	53.8	53.9	108	108	70-130	0	20		
m&p-Xylene	ug/L	<0.47	100	100	107	107	107	107	70-130	0	20		
Methyl-tert-butyl ether	ug/L	<1.2	50	50	45.3	45.2	91	90	51-145	0	20		
Methylene Chloride	ug/L	<0.58	50	50	47.1	46.1	94	92	73-140	2	20		
o-Xylene	ug/L	<0.26	50	50	52.0	52.4	104	105	70-130	1	20		
Styrene	ug/L	<0.47	50	50	49.0	48.9	98	98	70-130	0	20		
Tetrachloroethene	ug/L	<0.33	50	50	48.5	49.8	97	100	70-130	3	20		
Toluene	ug/L	<0.17	50	50	54.6	54.3	109	109	80-131	0	20		
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	43.7	42.5	87	85	73-148	3	20		
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	55.1	54.8	110	110	70-130	0	20		
Trichloroethene	ug/L	<0.26	50	50	52.8	51.7	106	103	70-130	2	20		
Trichlorofluoromethane	ug/L	<0.21	50	50	49.7	48.4	99	97	74-147	3	20		
Vinyl chloride	ug/L	<0.17	50	50	42.5	42.4	85	85	41-129	0	20		
4-Bromofluorobenzene (S)	%						102	102	70-130				
Dibromofluoromethane (S)	%						95	96	70-130				
Toluene-d8 (S)	%						104	106	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191648

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191648

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40191648001	MW-4	EPA 8260	328308		
40191648002	MW-6	EPA 8260	328308		
40191648003	MW-4D	EPA 8260	328308		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

UPPER MIDWEST REGION

Company Name: **GEI Consultants, Inc.**
 Branch/Location: **Green Bay, WI**
 Project Contact: **Roger Miller**
 Phone: **970-455-8200**
 Project Number: **1902344**
 Project Name: **Lakewood DX**
 Project State: **WI**
 Sampled By (Print): **Kyle Sandmire**
 Sampled By (Sign): *[Signature]*
 PO #:



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

40191648

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	VOCs																		

Quote #: **40191648**
 Mail To Contact: **GEI Consultants, Inc.**
 Mail To Company: **Roger Miller**
 Mail To Address: **3159 Voyager Drive Green Bay, WI 54311**
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:

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	Y/N	Pick Letter	Analyses Requested
		DATE	TIME				
001	MW-4	7/19/19	9:00	GW	X		
002	MW-6	7/19/19	8:40	GW	X		
003	MW-4 D	7/19/19	9:10	GW	X		

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

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

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

Relinquished By: <i>[Signature]</i> Date/Time: 7/22/2019 8:30	Received By: <i>[Signature]</i> Date/Time: 7/22/2019 8:30	PACE Project No. 40191648 Receipt Temp = 20 °C Sample Receipt pH OK / Adjusted Cooler Custody Seal Present / Not Present Intact / Not Intact
Relinquished By:	Received By:	
Relinquished By:	Received By:	
Relinquished By:	Received By:	
Relinquished By:	Received By:	

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

GEI

Sample Preservation Receipt Form

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

Client Name: _____

Project # 40191648

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 ≤	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤	pH after adjusted	Volume (mL)		
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU								WPFU	SP5T
001																															2.5 / 5 / 10
002																															2.5 / 5 / 10
003																															2.5 / 5 / 10
004																															2.5 / 5 / 10
005																															2.5 / 5 / 10
006																															2.5 / 5 / 10
007																															2.5 / 5 / 10
008																															2.5 / 5 / 10
009																															2.5 / 5 / 10
010																															2.5 / 5 / 10
011																															2.5 / 5 / 10
012																															2.5 / 5 / 10
013																															2.5 / 5 / 10
014																															2.5 / 5 / 10
015																															2.5 / 5 / 10
016																															2.5 / 5 / 10
017																															2.5 / 5 / 10
018																															2.5 / 5 / 10
019																															2.5 / 5 / 10
020																															2.5 / 5 / 10

Exceptions to preservation check: VOA Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____

Headspace in VOA Vials (>6mm) : Yes No N/A *If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL	SP5T	120 mL plastic Na Thiosulfate
AG5U	100 mL amber glass unpres	BP3B	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	ZPLC	ziploc bag
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	GN:	
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4				



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: GET

Project #: _____

WO#: **40191648**



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

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

Cooler Temperature Uncorr: RDT/Corr: _____

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

Person examining contents:
Date: 7-22-19
Initials: SW

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 checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature]

Date: 7-22-19



August 2, 2019

DALE & JULITA THOMSON
15748 E CHAIN LAKE RD
LAKEWOOD WI 54138

SUBJECT: Notification of Groundwater Sampling Results
Lakewood DX, 15761 East Chain Lake Road, Lakewood, WI
BRRTS Activity # 02-43-000105

Dear Mr. and Ms. Thomson:

Please find the attached results from the July 19, 2019 sampling of the water supply well that serves your property at 15748 East Chain Lake Road. As part of the cleanup for the Lakewood DX site, this well was sampled. The sample was collected by GEI, a consultant hired by the Department of Natural Resources (DNR) for the work associated with the Lakewood DX site. The sample collected was analyzed for volatile organic compounds (VOCs).

The test results show that Trichloroethene was detected in the water supply well that serves the property above the public health preventive action limit. It is advisable that the treatment system that was removed from the well be reinstalled when any repairs to the system are made, and that the treatment system be maintained. To summarize, the Trichloroethene detected in the water supply well is above the preventative action limit and below the enforcement standard. Please refer to the attached laboratory analytical report.

If you have any questions, please contact me at (920) 662-5443 or by email to Sarah.Krueger@wisconsin.gov.

Sincerely,



Sarah Krueger
Project Manager
Remediation & Redevelopment Program

att. Laboratory Analytical Report

July 24, 2019

Roger Miller
GEI Consultants, Inc.
3159 Voyager Drive
Green Bay, WI 54311

RE: Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191650

Dear Roger Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on July 22, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191650

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191650

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40191650001	PW-6	Water	07/19/19 10:37	07/22/19 08:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191650

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40191650001	PW-6	EPA 8260	HNW	64	PASI-G

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191650

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40191650001	PW-6					
EPA 8260	cis-1,2-Dichloroethene	2.8	ug/L	1.0	07/23/19 12:55	
EPA 8260	Ethylbenzene	0.33J	ug/L	1.0	07/23/19 12:55	
EPA 8260	Isopropylbenzene (Cumene)	1.1J	ug/L	5.0	07/23/19 12:55	
EPA 8260	Trichloroethene	0.66J	ug/L	1.0	07/23/19 12:55	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191650

Sample: PW-6 **Lab ID: 40191650001** Collected: 07/19/19 10:37 Received: 07/22/19 08:30 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		07/23/19 12:55	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/23/19 12:55	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/23/19 12:55	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/23/19 12:55	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/23/19 12:55	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/23/19 12:55	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 12:55	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/23/19 12:55	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/23/19 12:55	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		07/23/19 12:55	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 12:55	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/23/19 12:55	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/23/19 12:55	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/23/19 12:55	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/23/19 12:55	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/23/19 12:55	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/23/19 12:55	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/23/19 12:55	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/23/19 12:55	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/23/19 12:55	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 12:55	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/19 12:55	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/23/19 12:55	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/23/19 12:55	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 12:55	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 12:55	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/23/19 12:55	75-35-4	
cis-1,2-Dichloroethene	2.8	ug/L	1.0	0.27	1		07/23/19 12:55	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		07/23/19 12:55	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/23/19 12:55	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/23/19 12:55	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/23/19 12:55	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/23/19 12:55	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/23/19 12:55	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/23/19 12:55	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/23/19 12:55	108-20-3	
Ethylbenzene	0.33J	ug/L	1.0	0.22	1		07/23/19 12:55	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		07/23/19 12:55	87-68-3	
Isopropylbenzene (Cumene)	1.1J	ug/L	5.0	0.39	1		07/23/19 12:55	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/23/19 12:55	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/23/19 12:55	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/23/19 12:55	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/23/19 12:55	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/23/19 12:55	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		07/23/19 12:55	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 12:55	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191650

Sample: PW-6 **Lab ID: 40191650001** Collected: 07/19/19 10:37 Received: 07/22/19 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 12:55	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/23/19 12:55	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		07/23/19 12:55	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		07/23/19 12:55	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/23/19 12:55	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/23/19 12:55	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/23/19 12:55	79-00-5	
Trichloroethene	0.66J	ug/L	1.0	0.26	1		07/23/19 12:55	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/23/19 12:55	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/23/19 12:55	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/23/19 12:55	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/23/19 12:55	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/23/19 12:55	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/23/19 12:55	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/23/19 12:55	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		07/23/19 12:55	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		07/23/19 12:55	1868-53-7	
Toluene-d8 (S)	106	%	70-130		1		07/23/19 12:55	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191650

QC Batch: 328308 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40191650001

METHOD BLANK: 1906370 Matrix: Water
Associated Lab Samples: 40191650001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	07/23/19 07:32	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	07/23/19 07:32	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	07/23/19 07:32	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	07/23/19 07:32	
1,1-Dichloroethane	ug/L	<0.27	1.0	07/23/19 07:32	
1,1-Dichloroethene	ug/L	<0.24	1.0	07/23/19 07:32	
1,1-Dichloropropene	ug/L	<0.54	1.8	07/23/19 07:32	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	07/23/19 07:32	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	07/23/19 07:32	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	07/23/19 07:32	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	07/23/19 07:32	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	07/23/19 07:32	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	07/23/19 07:32	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	07/23/19 07:32	
1,2-Dichloroethane	ug/L	<0.28	1.0	07/23/19 07:32	
1,2-Dichloropropane	ug/L	<0.28	1.0	07/23/19 07:32	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	07/23/19 07:32	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	07/23/19 07:32	
1,3-Dichloropropane	ug/L	<0.83	2.8	07/23/19 07:32	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	07/23/19 07:32	
2,2-Dichloropropane	ug/L	<2.3	7.6	07/23/19 07:32	
2-Chlorotoluene	ug/L	<0.93	5.0	07/23/19 07:32	
4-Chlorotoluene	ug/L	<0.76	2.5	07/23/19 07:32	
Benzene	ug/L	<0.25	1.0	07/23/19 07:32	
Bromobenzene	ug/L	<0.24	1.0	07/23/19 07:32	
Bromochloromethane	ug/L	<0.36	5.0	07/23/19 07:32	
Bromodichloromethane	ug/L	<0.36	1.2	07/23/19 07:32	
Bromoform	ug/L	<4.0	13.2	07/23/19 07:32	
Bromomethane	ug/L	<0.97	5.0	07/23/19 07:32	
Carbon tetrachloride	ug/L	<0.17	1.0	07/23/19 07:32	
Chlorobenzene	ug/L	<0.71	2.4	07/23/19 07:32	
Chloroethane	ug/L	<1.3	5.0	07/23/19 07:32	
Chloroform	ug/L	<1.3	5.0	07/23/19 07:32	
Chloromethane	ug/L	<2.2	7.3	07/23/19 07:32	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	07/23/19 07:32	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	07/23/19 07:32	
Dibromochloromethane	ug/L	<2.6	8.7	07/23/19 07:32	
Dibromomethane	ug/L	<0.94	3.1	07/23/19 07:32	
Dichlorodifluoromethane	ug/L	<0.50	5.0	07/23/19 07:32	
Diisopropyl ether	ug/L	<1.9	6.3	07/23/19 07:32	
Ethylbenzene	ug/L	<0.22	1.0	07/23/19 07:32	

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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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191650

METHOD BLANK: 1906370

Matrix: Water

Associated Lab Samples: 40191650001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	07/23/19 07:32	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	07/23/19 07:32	
m&p-Xylene	ug/L	<0.47	2.0	07/23/19 07:32	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	07/23/19 07:32	
Methylene Chloride	ug/L	<0.58	5.0	07/23/19 07:32	
n-Butylbenzene	ug/L	<0.71	2.4	07/23/19 07:32	
n-Propylbenzene	ug/L	<0.81	5.0	07/23/19 07:32	
Naphthalene	ug/L	<1.2	5.0	07/23/19 07:32	
o-Xylene	ug/L	<0.26	1.0	07/23/19 07:32	
p-Isopropyltoluene	ug/L	<0.80	2.7	07/23/19 07:32	
sec-Butylbenzene	ug/L	<0.85	5.0	07/23/19 07:32	
Styrene	ug/L	<0.47	1.6	07/23/19 07:32	
tert-Butylbenzene	ug/L	<0.30	1.0	07/23/19 07:32	
Tetrachloroethene	ug/L	<0.33	1.1	07/23/19 07:32	
Toluene	ug/L	<0.17	5.0	07/23/19 07:32	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	07/23/19 07:32	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	07/23/19 07:32	
Trichloroethene	ug/L	<0.26	1.0	07/23/19 07:32	
Trichlorofluoromethane	ug/L	<0.21	1.0	07/23/19 07:32	
Vinyl chloride	ug/L	<0.17	1.0	07/23/19 07:32	
4-Bromofluorobenzene (S)	%	98	70-130	07/23/19 07:32	
Dibromofluoromethane (S)	%	96	70-130	07/23/19 07:32	
Toluene-d8 (S)	%	106	70-130	07/23/19 07:32	

LABORATORY CONTROL SAMPLE: 1906371

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.1	100	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	57.1	114	70-130	
1,1,2-Trichloroethane	ug/L	50	53.8	108	70-130	
1,1-Dichloroethane	ug/L	50	43.9	88	73-150	
1,1-Dichloroethene	ug/L	50	44.8	90	73-138	
1,2,4-Trichlorobenzene	ug/L	50	55.2	110	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	56.3	113	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	50.9	102	70-130	
1,2-Dichlorobenzene	ug/L	50	50.4	101	70-130	
1,2-Dichloroethane	ug/L	50	47.4	95	75-140	
1,2-Dichloropropane	ug/L	50	51.0	102	73-135	
1,3-Dichlorobenzene	ug/L	50	49.8	100	70-130	
1,4-Dichlorobenzene	ug/L	50	48.3	97	70-130	
Benzene	ug/L	50	51.9	104	70-130	
Bromodichloromethane	ug/L	50	50.5	101	70-130	
Bromoform	ug/L	50	45.7	91	68-129	
Bromomethane	ug/L	50	29.6	59	18-159	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191650

LABORATORY CONTROL SAMPLE: 1906371

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	45.5	91	70-130	
Chlorobenzene	ug/L	50	51.7	103	70-130	
Chloroethane	ug/L	50	42.6	85	53-147	
Chloroform	ug/L	50	50.3	101	74-136	
Chloromethane	ug/L	50	26.6	53	29-115	
cis-1,2-Dichloroethene	ug/L	50	49.4	99	70-130	
cis-1,3-Dichloropropene	ug/L	50	48.7	97	70-130	
Dibromochloromethane	ug/L	50	43.6	87	70-130	
Dichlorodifluoromethane	ug/L	50	37.8	76	10-130	
Ethylbenzene	ug/L	50	54.5	109	80-124	
Isopropylbenzene (Cumene)	ug/L	50	52.6	105	70-130	
m&p-Xylene	ug/L	100	103	103	70-130	
Methyl-tert-butyl ether	ug/L	50	44.4	89	54-137	
Methylene Chloride	ug/L	50	45.1	90	73-138	
o-Xylene	ug/L	50	51.0	102	70-130	
Styrene	ug/L	50	48.0	96	70-130	
Tetrachloroethene	ug/L	50	48.2	96	70-130	
Toluene	ug/L	50	53.2	106	80-126	
trans-1,2-Dichloroethene	ug/L	50	42.1	84	73-145	
trans-1,3-Dichloropropene	ug/L	50	54.1	108	70-130	
Trichloroethene	ug/L	50	50.6	101	70-130	
Trichlorofluoromethane	ug/L	50	48.7	97	76-147	
Vinyl chloride	ug/L	50	42.5	85	51-120	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			96	70-130	
Toluene-d8 (S)	%			105	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1906374 1906375

Parameter	Units	40191647001		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	<0.24	50	50	53.1	51.6	106	103	70-130	3	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	56.1	57.8	112	116	70-130	3	20		
1,1,2-Trichloroethane	ug/L	<0.55	50	50	54.2	53.2	108	106	70-137	2	20		
1,1-Dichloroethane	ug/L	<0.27	50	50	45.9	45.2	92	90	73-153	2	20		
1,1-Dichloroethene	ug/L	<0.24	50	50	45.4	45.7	91	91	73-138	1	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	57.1	58.3	114	117	70-130	2	20		
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	54.2	57.7	108	115	58-129	6	20		
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	52.9	52.6	106	105	70-130	0	20		
1,2-Dichlorobenzene	ug/L	<0.71	50	50	51.5	51.3	103	103	70-130	0	20		
1,2-Dichloroethane	ug/L	<0.28	50	50	50.3	48.2	101	96	75-140	4	20		
1,2-Dichloropropane	ug/L	<0.28	50	50	51.7	51.7	103	103	71-138	0	20		
1,3-Dichlorobenzene	ug/L	<0.63	50	50	51.0	50.4	102	101	70-130	1	20		
1,4-Dichlorobenzene	ug/L	<0.94	50	50	50.0	48.7	100	97	70-130	3	20		

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191650

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1906374 1906375												
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40191647001 Result	Spike Conc.	Spike Conc.	MS Result							
Benzene	ug/L	<0.25	50	50	54.0	53.5	108	107	70-130	1	20	
Bromodichloromethane	ug/L	<0.36	50	50	51.1	51.4	102	103	70-130	1	20	
Bromoform	ug/L	<4.0	50	50	46.4	46.6	93	93	68-129	0	20	
Bromomethane	ug/L	<0.97	50	50	34.0	33.7	68	67	15-170	1	20	
Carbon tetrachloride	ug/L	<0.17	50	50	46.2	45.8	92	92	70-130	1	20	
Chlorobenzene	ug/L	<0.71	50	50	52.9	52.7	106	105	70-130	0	20	
Chloroethane	ug/L	<1.3	50	50	43.8	43.6	88	87	51-148	0	20	
Chloroform	ug/L	<1.3	50	50	52.0	50.4	104	101	74-136	3	20	
Chloromethane	ug/L	<2.2	50	50	27.1	26.5	54	53	23-115	2	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	51.0	49.7	102	99	70-131	2	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	49.8	49.6	100	99	70-130	0	20	
Dibromochloromethane	ug/L	<2.6	50	50	45.0	44.9	90	90	70-130	0	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	37.5	37.6	75	75	10-132	0	20	
Ethylbenzene	ug/L	<0.22	50	50	55.9	55.8	112	112	80-125	0	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	53.8	53.9	108	108	70-130	0	20	
m&p-Xylene	ug/L	<0.47	100	100	107	107	107	107	70-130	0	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	45.3	45.2	91	90	51-145	0	20	
Methylene Chloride	ug/L	<0.58	50	50	47.1	46.1	94	92	73-140	2	20	
o-Xylene	ug/L	<0.26	50	50	52.0	52.4	104	105	70-130	1	20	
Styrene	ug/L	<0.47	50	50	49.0	48.9	98	98	70-130	0	20	
Tetrachloroethene	ug/L	<0.33	50	50	48.5	49.8	97	100	70-130	3	20	
Toluene	ug/L	<0.17	50	50	54.6	54.3	109	109	80-131	0	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	43.7	42.5	87	85	73-148	3	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	55.1	54.8	110	110	70-130	0	20	
Trichloroethene	ug/L	<0.26	50	50	52.8	51.7	106	103	70-130	2	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	49.7	48.4	99	97	74-147	3	20	
Vinyl chloride	ug/L	<0.17	50	50	42.5	42.4	85	85	41-129	0	20	
4-Bromofluorobenzene (S)	%						102	102	70-130			
Dibromofluoromethane (S)	%						95	96	70-130			
Toluene-d8 (S)	%						104	106	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191650

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191650

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40191650001	PW-6	EPA 8260	328308		

REPORT OF LABORATORY ANALYSIS

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GEI

Sample Preservation Receipt Form

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

Client Name: _____

Project # 40191650

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 ≤	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤	pH after adjusted	Volume (mL)						
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	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, WIDRO, 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	BP3B	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:	


 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 25Apr2018
	Document No.: F-GB-C-031-Rev.07	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: GET Project #: _____

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

WO# : 40191650



40191650

Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no
 Custody Seal on Samples Present: yes no Seals intact: yes no
 Packing Material: Bubble Wrap Bubble Bags None Other
 Thermometer Used SR - N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun
 Cooler Temperature Uncorr: RDT /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: 7-22-19
 Initials: SW

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 checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: OK Date: 7-22-19

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
2984 Shawano Avenue
Green Bay WI 54313-6727

Tony Evers, Governor
Preston D. Cole, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711



August 2, 2019

GERALD TRUDELL
PO BOX 117
SAUK CITY WI 53583

SUBJECT: Notification of Groundwater Sampling Results
Lakewood DX, 15761 East Chain Lake Road, Lakewood, WI
BRRTS Activity # 02-43-000105

Dear Mr. Trudell:

Please find the attached results from the July 19, 2019 sampling of the groundwater monitoring wells, MW-5, MW-5A, and MW-5B, on your property at 15740 East Chain Lake Road. As part of the cleanup for the Lakewood DX site, these wells were sampled. The samples were collected by GEI, a consultant hired by the Department of Natural Resources (DNR) for the work associated with the Lakewood DX site. The samples collected were analyzed for volatile organic compounds (VOCs).

The test results show that none of these compounds were detected at concentrations above the public health related drinking water standards. To summarize, all the compounds were either undetected or were within acceptable ranges. Please refer to the attached laboratory analytical report.

If you have any questions, please contact me at (920) 662-5443 or by email to Sarah.Krueger@wisconsin.gov.

Sincerely,

A handwritten signature in cursive script that reads 'Sarah E. Krueger'.

Sarah Krueger
Project Manager
Remediation & Redevelopment Program

att. Laboratory Analytical Report

July 24, 2019

Roger Miller
GEI Consultants, Inc.
3159 Voyager Drive
Green Bay, WI 54311

RE: Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191647

Dear Roger Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on July 22, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191647

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191647

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40191647001	MW-5	Water	07/19/19 09:35	07/22/19 08:30
40191647002	MW-5A	Water	07/19/19 10:15	07/22/19 08:30
40191647003	MW-5B	Water	07/19/19 10:25	07/22/19 08:30
40191647004	TRIP BLANK	Water	07/19/19 08:40	07/22/19 08:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191647

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40191647001	MW-5	EPA 8260	HNW	64	PASI-G
40191647002	MW-5A	EPA 8260	HNW	64	PASI-G
40191647003	MW-5B	EPA 8260	HNW	64	PASI-G
40191647004	TRIP BLANK	EPA 8260	HNW	64	PASI-G

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191647

Sample: MW-5 **Lab ID: 40191647001** Collected: 07/19/19 09:35 Received: 07/22/19 08:30 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		07/23/19 10:24	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/23/19 10:24	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/23/19 10:24	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/23/19 10:24	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/23/19 10:24	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/23/19 10:24	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 10:24	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/23/19 10:24	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/23/19 10:24	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		07/23/19 10:24	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 10:24	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/23/19 10:24	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/23/19 10:24	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/23/19 10:24	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/23/19 10:24	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/23/19 10:24	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/23/19 10:24	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/23/19 10:24	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/23/19 10:24	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/23/19 10:24	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 10:24	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/19 10:24	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/23/19 10:24	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/23/19 10:24	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 10:24	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 10:24	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/23/19 10:24	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/23/19 10:24	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		07/23/19 10:24	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/23/19 10:24	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/23/19 10:24	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/23/19 10:24	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/23/19 10:24	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/23/19 10:24	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/23/19 10:24	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/23/19 10:24	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		07/23/19 10:24	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		07/23/19 10:24	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		07/23/19 10:24	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/23/19 10:24	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/23/19 10:24	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/23/19 10:24	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/23/19 10:24	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/23/19 10:24	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		07/23/19 10:24	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 10:24	630-20-6	

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191647

Sample: MW-5 **Lab ID: 40191647001** Collected: 07/19/19 09:35 Received: 07/22/19 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 10:24	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/23/19 10:24	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		07/23/19 10:24	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		07/23/19 10:24	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/23/19 10:24	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/23/19 10:24	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/23/19 10:24	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/23/19 10:24	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/23/19 10:24	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/23/19 10:24	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/23/19 10:24	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/23/19 10:24	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/23/19 10:24	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/23/19 10:24	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/23/19 10:24	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		07/23/19 10:24	460-00-4	
Dibromofluoromethane (S)	93	%	70-130		1		07/23/19 10:24	1868-53-7	
Toluene-d8 (S)	106	%	70-130		1		07/23/19 10:24	2037-26-5	

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191647

Sample: MW-5A **Lab ID: 40191647002** Collected: 07/19/19 10:15 Received: 07/22/19 08:30 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		07/23/19 10:46	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/23/19 10:46	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/23/19 10:46	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/23/19 10:46	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/23/19 10:46	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/23/19 10:46	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 10:46	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/23/19 10:46	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/23/19 10:46	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		07/23/19 10:46	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 10:46	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/23/19 10:46	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/23/19 10:46	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/23/19 10:46	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/23/19 10:46	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/23/19 10:46	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/23/19 10:46	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/23/19 10:46	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/23/19 10:46	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/23/19 10:46	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 10:46	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/19 10:46	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/23/19 10:46	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/23/19 10:46	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 10:46	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 10:46	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/23/19 10:46	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/23/19 10:46	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		07/23/19 10:46	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/23/19 10:46	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/23/19 10:46	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/23/19 10:46	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/23/19 10:46	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/23/19 10:46	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/23/19 10:46	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/23/19 10:46	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		07/23/19 10:46	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		07/23/19 10:46	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		07/23/19 10:46	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/23/19 10:46	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/23/19 10:46	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/23/19 10:46	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/23/19 10:46	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/23/19 10:46	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		07/23/19 10:46	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 10:46	630-20-6	

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191647

Sample: MW-5A **Lab ID: 40191647002** Collected: 07/19/19 10:15 Received: 07/22/19 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 10:46	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/23/19 10:46	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		07/23/19 10:46	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		07/23/19 10:46	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/23/19 10:46	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/23/19 10:46	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/23/19 10:46	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/23/19 10:46	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/23/19 10:46	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/23/19 10:46	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/23/19 10:46	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/23/19 10:46	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/23/19 10:46	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/23/19 10:46	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/23/19 10:46	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		07/23/19 10:46	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1		07/23/19 10:46	1868-53-7	
Toluene-d8 (S)	105	%	70-130		1		07/23/19 10:46	2037-26-5	

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191647

Sample: MW-5B **Lab ID: 40191647003** Collected: 07/19/19 10:25 Received: 07/22/19 08:30 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		07/23/19 11:07	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/23/19 11:07	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/23/19 11:07	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/23/19 11:07	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/23/19 11:07	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/23/19 11:07	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 11:07	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/23/19 11:07	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/23/19 11:07	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		07/23/19 11:07	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 11:07	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/23/19 11:07	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/23/19 11:07	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/23/19 11:07	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/23/19 11:07	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/23/19 11:07	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/23/19 11:07	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/23/19 11:07	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/23/19 11:07	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/23/19 11:07	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 11:07	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/19 11:07	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/23/19 11:07	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/23/19 11:07	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 11:07	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 11:07	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/23/19 11:07	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/23/19 11:07	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		07/23/19 11:07	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/23/19 11:07	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/23/19 11:07	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/23/19 11:07	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/23/19 11:07	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/23/19 11:07	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/23/19 11:07	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/23/19 11:07	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		07/23/19 11:07	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		07/23/19 11:07	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		07/23/19 11:07	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/23/19 11:07	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/23/19 11:07	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/23/19 11:07	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/23/19 11:07	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/23/19 11:07	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		07/23/19 11:07	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 11:07	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191647

Sample: MW-5B **Lab ID: 40191647003** Collected: 07/19/19 10:25 Received: 07/22/19 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 11:07	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/23/19 11:07	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		07/23/19 11:07	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		07/23/19 11:07	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/23/19 11:07	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/23/19 11:07	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/23/19 11:07	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/23/19 11:07	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/23/19 11:07	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/23/19 11:07	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/23/19 11:07	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/23/19 11:07	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/23/19 11:07	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/23/19 11:07	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/23/19 11:07	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		07/23/19 11:07	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		07/23/19 11:07	1868-53-7	
Toluene-d8 (S)	105	%	70-130		1		07/23/19 11:07	2037-26-5	

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191647

Sample: TRIP BLANK **Lab ID: 40191647004** Collected: 07/19/19 08:40 Received: 07/22/19 08:30 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		07/23/19 10:03	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/23/19 10:03	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/23/19 10:03	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/23/19 10:03	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/23/19 10:03	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/23/19 10:03	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 10:03	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/23/19 10:03	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/23/19 10:03	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		07/23/19 10:03	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 10:03	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/23/19 10:03	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/23/19 10:03	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/23/19 10:03	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/23/19 10:03	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/23/19 10:03	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/23/19 10:03	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/23/19 10:03	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/23/19 10:03	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/23/19 10:03	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/19 10:03	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/19 10:03	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/23/19 10:03	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/23/19 10:03	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 10:03	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 10:03	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/23/19 10:03	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/23/19 10:03	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		07/23/19 10:03	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/23/19 10:03	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/23/19 10:03	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/23/19 10:03	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/23/19 10:03	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/23/19 10:03	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/23/19 10:03	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/23/19 10:03	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		07/23/19 10:03	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		07/23/19 10:03	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		07/23/19 10:03	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/23/19 10:03	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/23/19 10:03	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/23/19 10:03	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/23/19 10:03	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/23/19 10:03	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		07/23/19 10:03	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/23/19 10:03	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191647

Sample: TRIP BLANK **Lab ID: 40191647004** Collected: 07/19/19 08:40 Received: 07/22/19 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/23/19 10:03	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/23/19 10:03	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		07/23/19 10:03	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		07/23/19 10:03	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/23/19 10:03	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/23/19 10:03	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/23/19 10:03	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/23/19 10:03	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/23/19 10:03	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/23/19 10:03	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/23/19 10:03	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/23/19 10:03	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/23/19 10:03	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/23/19 10:03	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/23/19 10:03	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		07/23/19 10:03	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1		07/23/19 10:03	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		07/23/19 10:03	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191647

QC Batch: 328308 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40191647001, 40191647002, 40191647003, 40191647004

METHOD BLANK: 1906370 Matrix: Water
Associated Lab Samples: 40191647001, 40191647002, 40191647003, 40191647004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	07/23/19 07:32	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	07/23/19 07:32	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	07/23/19 07:32	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	07/23/19 07:32	
1,1-Dichloroethane	ug/L	<0.27	1.0	07/23/19 07:32	
1,1-Dichloroethene	ug/L	<0.24	1.0	07/23/19 07:32	
1,1-Dichloropropene	ug/L	<0.54	1.8	07/23/19 07:32	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	07/23/19 07:32	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	07/23/19 07:32	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	07/23/19 07:32	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	07/23/19 07:32	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	07/23/19 07:32	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	07/23/19 07:32	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	07/23/19 07:32	
1,2-Dichloroethane	ug/L	<0.28	1.0	07/23/19 07:32	
1,2-Dichloropropane	ug/L	<0.28	1.0	07/23/19 07:32	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	07/23/19 07:32	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	07/23/19 07:32	
1,3-Dichloropropane	ug/L	<0.83	2.8	07/23/19 07:32	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	07/23/19 07:32	
2,2-Dichloropropane	ug/L	<2.3	7.6	07/23/19 07:32	
2-Chlorotoluene	ug/L	<0.93	5.0	07/23/19 07:32	
4-Chlorotoluene	ug/L	<0.76	2.5	07/23/19 07:32	
Benzene	ug/L	<0.25	1.0	07/23/19 07:32	
Bromobenzene	ug/L	<0.24	1.0	07/23/19 07:32	
Bromochloromethane	ug/L	<0.36	5.0	07/23/19 07:32	
Bromodichloromethane	ug/L	<0.36	1.2	07/23/19 07:32	
Bromoform	ug/L	<4.0	13.2	07/23/19 07:32	
Bromomethane	ug/L	<0.97	5.0	07/23/19 07:32	
Carbon tetrachloride	ug/L	<0.17	1.0	07/23/19 07:32	
Chlorobenzene	ug/L	<0.71	2.4	07/23/19 07:32	
Chloroethane	ug/L	<1.3	5.0	07/23/19 07:32	
Chloroform	ug/L	<1.3	5.0	07/23/19 07:32	
Chloromethane	ug/L	<2.2	7.3	07/23/19 07:32	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	07/23/19 07:32	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	07/23/19 07:32	
Dibromochloromethane	ug/L	<2.6	8.7	07/23/19 07:32	
Dibromomethane	ug/L	<0.94	3.1	07/23/19 07:32	
Dichlorodifluoromethane	ug/L	<0.50	5.0	07/23/19 07:32	
Diisopropyl ether	ug/L	<1.9	6.3	07/23/19 07:32	
Ethylbenzene	ug/L	<0.22	1.0	07/23/19 07:32	

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191647

METHOD BLANK: 1906370

Matrix: Water

Associated Lab Samples: 40191647001, 40191647002, 40191647003, 40191647004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	07/23/19 07:32	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	07/23/19 07:32	
m&p-Xylene	ug/L	<0.47	2.0	07/23/19 07:32	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	07/23/19 07:32	
Methylene Chloride	ug/L	<0.58	5.0	07/23/19 07:32	
n-Butylbenzene	ug/L	<0.71	2.4	07/23/19 07:32	
n-Propylbenzene	ug/L	<0.81	5.0	07/23/19 07:32	
Naphthalene	ug/L	<1.2	5.0	07/23/19 07:32	
o-Xylene	ug/L	<0.26	1.0	07/23/19 07:32	
p-Isopropyltoluene	ug/L	<0.80	2.7	07/23/19 07:32	
sec-Butylbenzene	ug/L	<0.85	5.0	07/23/19 07:32	
Styrene	ug/L	<0.47	1.6	07/23/19 07:32	
tert-Butylbenzene	ug/L	<0.30	1.0	07/23/19 07:32	
Tetrachloroethene	ug/L	<0.33	1.1	07/23/19 07:32	
Toluene	ug/L	<0.17	5.0	07/23/19 07:32	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	07/23/19 07:32	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	07/23/19 07:32	
Trichloroethene	ug/L	<0.26	1.0	07/23/19 07:32	
Trichlorofluoromethane	ug/L	<0.21	1.0	07/23/19 07:32	
Vinyl chloride	ug/L	<0.17	1.0	07/23/19 07:32	
4-Bromofluorobenzene (S)	%	98	70-130	07/23/19 07:32	
Dibromofluoromethane (S)	%	96	70-130	07/23/19 07:32	
Toluene-d8 (S)	%	106	70-130	07/23/19 07:32	

LABORATORY CONTROL SAMPLE: 1906371

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.1	100	70-130	
1,1,1,2-Tetrachloroethane	ug/L	50	57.1	114	70-130	
1,1,2-Trichloroethane	ug/L	50	53.8	108	70-130	
1,1-Dichloroethane	ug/L	50	43.9	88	73-150	
1,1-Dichloroethene	ug/L	50	44.8	90	73-138	
1,2,4-Trichlorobenzene	ug/L	50	55.2	110	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	56.3	113	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	50.9	102	70-130	
1,2-Dichlorobenzene	ug/L	50	50.4	101	70-130	
1,2-Dichloroethane	ug/L	50	47.4	95	75-140	
1,2-Dichloropropane	ug/L	50	51.0	102	73-135	
1,3-Dichlorobenzene	ug/L	50	49.8	100	70-130	
1,4-Dichlorobenzene	ug/L	50	48.3	97	70-130	
Benzene	ug/L	50	51.9	104	70-130	
Bromodichloromethane	ug/L	50	50.5	101	70-130	
Bromoform	ug/L	50	45.7	91	68-129	
Bromomethane	ug/L	50	29.6	59	18-159	

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191647

LABORATORY CONTROL SAMPLE: 1906371

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	45.5	91	70-130	
Chlorobenzene	ug/L	50	51.7	103	70-130	
Chloroethane	ug/L	50	42.6	85	53-147	
Chloroform	ug/L	50	50.3	101	74-136	
Chloromethane	ug/L	50	26.6	53	29-115	
cis-1,2-Dichloroethene	ug/L	50	49.4	99	70-130	
cis-1,3-Dichloropropene	ug/L	50	48.7	97	70-130	
Dibromochloromethane	ug/L	50	43.6	87	70-130	
Dichlorodifluoromethane	ug/L	50	37.8	76	10-130	
Ethylbenzene	ug/L	50	54.5	109	80-124	
Isopropylbenzene (Cumene)	ug/L	50	52.6	105	70-130	
m&p-Xylene	ug/L	100	103	103	70-130	
Methyl-tert-butyl ether	ug/L	50	44.4	89	54-137	
Methylene Chloride	ug/L	50	45.1	90	73-138	
o-Xylene	ug/L	50	51.0	102	70-130	
Styrene	ug/L	50	48.0	96	70-130	
Tetrachloroethene	ug/L	50	48.2	96	70-130	
Toluene	ug/L	50	53.2	106	80-126	
trans-1,2-Dichloroethene	ug/L	50	42.1	84	73-145	
trans-1,3-Dichloropropene	ug/L	50	54.1	108	70-130	
Trichloroethene	ug/L	50	50.6	101	70-130	
Trichlorofluoromethane	ug/L	50	48.7	97	76-147	
Vinyl chloride	ug/L	50	42.5	85	51-120	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			96	70-130	
Toluene-d8 (S)	%			105	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1906374 1906375

Parameter	Units	40191647001		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	<0.24	50	50	53.1	51.6	106	103	70-130	3	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	56.1	57.8	112	116	70-130	3	20		
1,1,2-Trichloroethane	ug/L	<0.55	50	50	54.2	53.2	108	106	70-137	2	20		
1,1-Dichloroethane	ug/L	<0.27	50	50	45.9	45.2	92	90	73-153	2	20		
1,1-Dichloroethene	ug/L	<0.24	50	50	45.4	45.7	91	91	73-138	1	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	57.1	58.3	114	117	70-130	2	20		
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	54.2	57.7	108	115	58-129	6	20		
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	52.9	52.6	106	105	70-130	0	20		
1,2-Dichlorobenzene	ug/L	<0.71	50	50	51.5	51.3	103	103	70-130	0	20		
1,2-Dichloroethane	ug/L	<0.28	50	50	50.3	48.2	101	96	75-140	4	20		
1,2-Dichloropropane	ug/L	<0.28	50	50	51.7	51.7	103	103	71-138	0	20		
1,3-Dichlorobenzene	ug/L	<0.63	50	50	51.0	50.4	102	101	70-130	1	20		
1,4-Dichlorobenzene	ug/L	<0.94	50	50	50.0	48.7	100	97	70-130	3	20		

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QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191647

Parameter	Units	1906374		1906375		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40191647001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Benzene	ug/L	<0.25	50	50	54.0	53.5	108	107	70-130	1	20		
Bromodichloromethane	ug/L	<0.36	50	50	51.1	51.4	102	103	70-130	1	20		
Bromoform	ug/L	<4.0	50	50	46.4	46.6	93	93	68-129	0	20		
Bromomethane	ug/L	<0.97	50	50	34.0	33.7	68	67	15-170	1	20		
Carbon tetrachloride	ug/L	<0.17	50	50	46.2	45.8	92	92	70-130	1	20		
Chlorobenzene	ug/L	<0.71	50	50	52.9	52.7	106	105	70-130	0	20		
Chloroethane	ug/L	<1.3	50	50	43.8	43.6	88	87	51-148	0	20		
Chloroform	ug/L	<1.3	50	50	52.0	50.4	104	101	74-136	3	20		
Chloromethane	ug/L	<2.2	50	50	27.1	26.5	54	53	23-115	2	20		
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	51.0	49.7	102	99	70-131	2	20		
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	49.8	49.6	100	99	70-130	0	20		
Dibromochloromethane	ug/L	<2.6	50	50	45.0	44.9	90	90	70-130	0	20		
Dichlorodifluoromethane	ug/L	<0.50	50	50	37.5	37.6	75	75	10-132	0	20		
Ethylbenzene	ug/L	<0.22	50	50	55.9	55.8	112	112	80-125	0	20		
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	53.8	53.9	108	108	70-130	0	20		
m&p-Xylene	ug/L	<0.47	100	100	107	107	107	107	70-130	0	20		
Methyl-tert-butyl ether	ug/L	<1.2	50	50	45.3	45.2	91	90	51-145	0	20		
Methylene Chloride	ug/L	<0.58	50	50	47.1	46.1	94	92	73-140	2	20		
o-Xylene	ug/L	<0.26	50	50	52.0	52.4	104	105	70-130	1	20		
Styrene	ug/L	<0.47	50	50	49.0	48.9	98	98	70-130	0	20		
Tetrachloroethene	ug/L	<0.33	50	50	48.5	49.8	97	100	70-130	3	20		
Toluene	ug/L	<0.17	50	50	54.6	54.3	109	109	80-131	0	20		
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	43.7	42.5	87	85	73-148	3	20		
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	55.1	54.8	110	110	70-130	0	20		
Trichloroethene	ug/L	<0.26	50	50	52.8	51.7	106	103	70-130	2	20		
Trichlorofluoromethane	ug/L	<0.21	50	50	49.7	48.4	99	97	74-147	3	20		
Vinyl chloride	ug/L	<0.17	50	50	42.5	42.4	85	85	41-129	0	20		
4-Bromofluorobenzene (S)	%						102	102	70-130				
Dibromofluoromethane (S)	%						95	96	70-130				
Toluene-d8 (S)	%						104	106	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191647

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE


Project: 1902344 LAKEWOOD DX

Pace Project No.: 40191647


Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40191647001	MW-5	EPA 8260	328308		
40191647002	MW-5A	EPA 8260	328308		
40191647003	MW-5B	EPA 8260	328308		
40191647004	TRIP BLANK	EPA 8260	328308		

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 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 25Apr2018
	Document No.: F-GB-C-031-Rev.07	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: GEI Project #:
WO# : 40191647

 40191647

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
Thermometer Used SR - N/A **Type of Ice:** Wet Blue Dry None Samples on ice, cooling process has begun
Cooler Temperature Uncorr: ROT / 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: 7-22-19
 Initials: [Signature]

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>427</u>		

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

Project Manager Review: [Signature] Date: 7-22-19