From: Miller, Roger <rmiller@geiconsultants.com>
Sent: Wednesday, July 24, 2019 2:32 PM
To: Krueger, Sarah E - DNR
Cc: Sandmire, Kyle
Subject: Groundwater Sample Lab Reports - Lakewood DX
Attachments: 40191654_frc_PW-3, PW-4.pdf; 40191647_frc_MW-5, 5A, 5B.pdf; 40191648_frc_MW-4, 4D, 6.pdf; 40191649_frc_PW-10.pdf; 40191650_frc_PW-6.pdf; 40191651_frc_PW-20, PW-21.pdf; 40191652_frc_MW-8A, PW-7, PW-8.pdf; 40191653_frc_MW-17B.pdf

Sarah,

Pace Analytical analyzed our samples quickly. Attached are the analytical reports we received today.

Results were mostly below MDLs or below PALs if detected. Notable VOC detections are as follows (wells on the same property shown on the same line):

PW-20: TCE > ES (9.6 ug/L), cis-1,2-DCE >PAL
PW-6: TCE >PAL (cis-1,2-DCE <PAL)
PW-7 & MW-8A: TCE > PAL, (cis-1,2-DCE <PAL)
PW-3: TCE < PAL (cis-1,2-DCE <PAL)
MW-4: TMBs < PALs

Please contact us with any questions. We are working on the data summary tables.

Thanks,

GEI
ROGER A. MILLER, P.G., C.P.G.
Senior Hydrogeologist
920.455.8657 cell: 920.737.6373
3159 Voyager Drive, Green Bay, WI 54311

From: Krueger, Sarah E - DNR <sarah.krueger@wisconsin.gov>
Sent: Tuesday, July 23, 2019 4:09 PM
To: Miller, Roger <rmiller@geiconsultants.com>
Cc: Sandmire, Kyle <KSandmire@geiconsultants.com>
Subject: [EXT] RE: Cross-Referencing Potable Well Names - Lakewood DX

I apologize Roger, the Clark well is the PW5/PW6 well not sure why I put PW7/PW8. PW7/PW8 is the Trudell well and should correlate with VanDyke.

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Sarah Krueger, P.G.
Phone: 920-662-5443

Sarah.Krueger@wisconsin.gov

From: Miller, Roger <rmiller@geiconsultants.com>
Sent: Tuesday, July 23, 2019 3:51 PM
To: Krueger, Sarah E - DNR <sarah.krueger@wisconsin.gov>
Cc: Sandmire, Kyle <KSandmire@geiconsultants.com>
Subject: RE: Cross-Referencing Potable Well Names - Lakewood DX

Thanks, Sarah. PW3/PW4 tracks with the former Riebe and current Koske well. For the purposes of comparison of 2011 and 2019 results, which both use the "PW" sample ID convention, with historical (2002-2004) data, I understand that the lowest number of a "PW" pair corresponds to the pretreatment sample and the second, higher number to the posttreatment sample.

PW7/PW8 tracks with the former Clark and current Trudell well, which we understand you plan to sample after Mr. Trudell reconnects his pump.

I think we are still looking for the former well owner name associated with the PW5/PW6 samples (current Dale and Julita Thompson well) for comparison to the historical testing data. Please let us know if you can correlate the current Thompson well with the prior owner who appears on the table containing 2002-2004 data.

Thanks,

GEI
ROGER A. MILLER, P.G., C.P.G.
Senior Hydrogeologist
920.455.8657 cell: 920.737.6373
3159 Voyager Drive, Green Bay, WI 54311

From: Krueger, Sarah E - DNR <sarah.krueger@wisconsin.gov>
Sent: Tuesday, July 23, 2019 3:16 PM
To: Miller, Roger <rmiller@geiconsultants.com>
Cc: Sandmire, Kyle <KSandmire@geiconsultants.com>
Subject: [EXT] RE: Cross-Referencing Potable Well Names - Lakewood DX

The property owners have changed for those wells, PW3/PW4 is formerly Riebe, and PW7/PW8 is formerly Clark. If I had a well key for the naming convention I would send it, it seems like the naming convention changed several times through the history of the site.
Thank you,
Sarah

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Sarah Krueger, P.G.
Phone: 920-662-5443
Sarah.Krueger@wisconsin.gov

From: Miller, Roger <rmiller@geiconsultants.com>
Sent: Tuesday, July 23, 2019 9:22 AM
To: Krueger, Sarah E - DNR <sarah.krueger@wisconsin.gov>
Cc: Sandmire, Kyle <KSandmire@geiconsultants.com>
Subject: RE: Cross-Referencing Potable Well Names - Lakewood DX

Fixed a typo below.

GEI
ROGER A. MILLER, P.G., C.P.G.
Senior Hydrogeologist
920.455.8657 cell: 920.737.6373
3159 Voyager Drive, Green Bay, WI 54311

From: Miller, Roger
Sent: Tuesday, July 23, 2019 9:21 AM
To: Krueger, Sarah E - DNR <sarah.krueger@wisconsin.gov>
Cc: Sandmire, Kyle <KSandmire@geiconsultants.com>
Subject: Cross-Referencing Potable Well Names - Lakewood DX

Hi Sarah,

We dropped off the VOC samples at Pace yesterday morning and will update you once we receive the lab results sometime next week. Paul and Kyle were able to sample the Nathan & Tiffany Koske well later in the afternoon on Friday, as you had coordinated.

I have been able to cross reference potable well sample IDs (pre-and posttreatment) between the property owner list, the 2011 data table, and the historical data table (PDF), except for PW-3 & 4 (Nathan & Tiffany Koske) and PW-5 & 6 (Dale L Sr & Julita Thompson). Maybe the well owners changed between the 2004 round in the old dataset and the 2011 round. Let us know if you have any information for cross-referencing the sample IDs with the historical dataset.

Thanks,

GEI
ROGER A. MILLER, P.G., C.P.G.
Senior Hydrogeologist
920.455.8657 cell: 920.737.6373
3159 Voyager Drive, Green Bay, WI 54311

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Enclosures

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

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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

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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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

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

REPORT OF LABORATORY ANALYSIS

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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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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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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	
1,1,2,2-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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191647

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1906374 1906375

Parameter	Units	40191647001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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		

Pace Analytical®
www.pacelabs.com

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

CHAIN OF CUSTODY

4019647

(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):	
PO #:	Regulatory Program:

*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

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:	

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 DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					N	B	VOCs			
001	MW-5	7/19/19	9:35	GW		X				
002	MW-5A	7/19/19	10:15	GW		X				
003	MW-5B	7/19/19	10:25	GW		X				
	MW-5 MS	7/19/19	9:45	GW		X				
	MW-5 MSD	7/19/19	10:00	GW		X				
004	Trip Blank	7/19/19	8:40			X				

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

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

Email #1:	
Email #2:	
Telephone:	
Fax:	

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
	7/22/2019 8:30		7/22/19 0830
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No.
4019647

Receipt Temp = 2.1 °C

Sample Receipt pH
OK / Adjusted

Cooler Custody Seal
Present / ~~Not Present~~
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

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

Client Name: GEI

Sample Preservation Receipt Form

Project # 40196647

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

Lab Lot# of pH paper:

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

Initial when completed:

Date/ Time:

Pace Lab #	Glass							Plastic							Vials						Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN							
001																		3															2.5 / 5 / 10
002																		3															2.5 / 5 / 10
003																		3															2.5 / 5 / 10
004																		2															2.5 / 5 / 10
005																																	2.5 / 5 / 10
006																																	2.5 / 5 / 10
007																																	2.5 / 5 / 10
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014																																	2.5 / 5 / 10
015																																	2.5 / 5 / 10
016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																							2/24/19 SEC										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:	

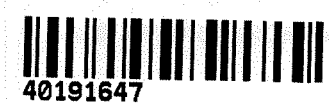
Pace Analytical 1241 Bellevue Street, Green Bay, WI 54302	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: 25Apr2018
	Document No.: **F-GB-C-031-Rev.07**	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: GEI

Project #:

WO#: 40191647



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: ROI /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:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: W	☑Yes ☐No ☐N/A	12.
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 427		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 7-22-19

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Enclosures

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, LLC
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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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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	

REPORT OF LABORATORY ANALYSIS

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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	

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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	

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
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	

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191648

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1906374 1906375

Parameter	Units	40191647001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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		

Pace Analytical®
www.pacelabs.com

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

CHAIN OF CUSTODY

4019648

(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):	
PO #:	Regulatory Program:

*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

Quote #:	
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 DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO)	PRESERVATION (CODE)*	Analyses Requested	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					Y/N	Pick Letter	VOCs			
001	MW-4	7/19/19	9:00	GW	N	B	X			
002	MW-6	7/19/19	8:40	GW	N	B	X			
003	MW-4 D	7/19/19	9:10	GW	N	B	X			

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

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

Email #1:	
Email #2:	
Telephone:	
Fax:	

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
	7/22/2019 8:30		7/22/19 0830
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No.
4019648

Receipt Temp = 2.0 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / ~~Not Present~~
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

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

Client Name: GEI

Sample Preservation Receipt Form

Project # 40191648

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):

	Glass							Plastic							Vials						Jars			General								
Pace Lab #	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	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001																		3															2.5 / 5 / 10
002																		3															2.5 / 5 / 10
003																		3															2.5 / 5 / 10
004																																	2.5 / 5 / 10
005																																	2.5 / 5 / 10
006																																	2.5 / 5 / 10
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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

3/27/18

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:	

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

Sample Condition Upon Receipt Form (SCUR)

Client Name: GEI

Project #:

WO#: 40191648

40191648

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: R01 /Corr:

Temp Blank Present: ☐ yes ☑ no **Biological Tissue is Frozen:** ☐ yes ☐ no

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

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

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD:	☐Yes ☑No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: W	☑Yes ☐No ☐N/A	12.
Trip Blank Present:	☐Yes ☑No ☐N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☑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: Date: 7-22-19

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Enclosures

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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	
1,1,2,2-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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191649

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1906374 1906375

Parameter	Units	40191647001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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		

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www.pacelabs.com

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

CHAIN OF CUSTODY

4019164 9

(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):	
PO #:	Regulatory Program:

*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

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:	

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, 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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOCs	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	PW-10	7/19/19	11:13	GW	N	B	X	(Pre-Treatment)		

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:	Relinquished By:	Date/Time: 7/22/2019 8:30	Received By:	Date/Time: 7/22/19 0830	PACE Project No. 4019164 9
Transmit Prelim Rush Results by (complete what you want):	Relinquished By:	Date/Time:	Received By:	Date/Time:	Receipt Temp = 2.0 °C
Email #1:	Relinquished By:	Date/Time:	Received By:	Date/Time:	Sample Receipt pH OK / Adjusted
Email #2:	Relinquished By:	Date/Time:	Received By:	Date/Time:	Cooler Custody Seal Present / Not Present
Telephone:	Relinquished By:	Date/Time:	Received By:	Date/Time:	Intact / Not Intact
Fax:					

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

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

Client Name: GEI

Sample Preservation Receipt Form

Project # 40191619

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

Initial when completed:

Date/ Time:

Lab Lot# of pH paper:

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

Pace Lab #	Glass							Plastic							Vials						Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN							
001																		3															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:	

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

Sample Condition Upon Receipt Form (SCUR)

Client Name: GEI

Project #:

WO#: 40191649

40191649

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: R01 /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:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☑No ☐N/A		8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: W	☑Yes ☐No ☐N/A	12.
Trip Blank Present:	☐Yes ☑No ☐N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☑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: _____ **Date:** 7-22-19

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Enclosures

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

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Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191650

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1906374 1906375

Parameter	Units	40191647001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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		

Pace Analytical®
www.pacelabs.com

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

Page 1 of 1

4019650

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

(Please Print Clearly)	
Company Name:	GEI Consultants, Inc.
Branch/Location:	Green Bay, WI
Project Contact:	Roger Miller
Phone:	920-455-8200
Project Number:	1902341
Project Name:	Lakewood DX
Project State:	WI
Sampled By (Print):	Kyle Sandmire
Sampled By (Sign):	
PO #:	Regulatory Program:

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:	

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: Y/N	Pick Letter	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
							VOCs		
001	PW-6	7/19/19	10:37	GW		X			

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

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

Email #1:	
Email #2:	
Telephone:	
Fax:	

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
	7/22/2019 8:30		7/22/19 0830
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No.
4019650

Receipt Temp = 2.0 °C

Sample Receipt pH
OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Client Name: GEI

Sample Preservation Receipt Form

Project # 4/0191650

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

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

Lab Lot# of pH paper:

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

Initial when completed:

Date/ Time:

	Glass							Plastic							Vials						Jars			General							
Pace Lab #	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	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001																																	2.5 / 5 / 10
002																																	2.5 / 5 / 10
003																																	2.5 / 5 / 10
004																																	2.5 / 5 / 10
005																																	2.5 / 5 / 10
006																																	2.5 / 5 / 10
007																																	2.5 / 5 / 10
008																																	2.5 / 5 / 10
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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

7/30/19 GEI

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:	

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

Sample Condition Upon Receipt Form (SCUR)

Client Name: GEI

Project #: WO#: 40191650

40191650

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: R01 /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:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☑No ☐N/A		8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: W	☑Yes ☐No ☐N/A	12.
Trip Blank Present:	☐Yes ☑No ☐N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☑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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Enclosures

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

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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

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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	

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								
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	

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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	
1,1,2,2-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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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	40191647001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191651

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1906374 1906375

Parameter	Units	40191647001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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		

Pace Analytical®
www.pacelabs.com

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

(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):	
PO #:	Regulatory Program:

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:	

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 DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO)	PRESERVATION (CODE)*	Analyses Requested	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					Y/N	Pick Letter	VOCs			
001	PW-20	7/19/19	12:10	GW		X		(Pre)		
002	PW-21	7/19/19	12:15	GW		X		(Post)		
003	PW-21 D	7/19/19	12:16	GW		X		(Post)		

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

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

Email #1:	
Email #2:	
Telephone:	
Fax:	

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
	7/22/2019 8:30		7/22/19 0830
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No.
40191651

Receipt Temp = 2.0 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

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

Client Name: GEI

Sample Preservation Receipt Form

Project # 40191651

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):

	Glass							Plastic							Vials						Jars			General							
Pace Lab #	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	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
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:	

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

Sample Condition Upon Receipt Form (SCUR)

Client Name: GEI

Project #:

WO#: 40191651

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: R01 /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:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☑No ☐N/A		8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: W	☑Yes ☐No ☐N/A	12.
Trip Blank Present:	☐Yes ☑No ☐N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☑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: Date: 7-22-19

Page 2 of 2

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Enclosures

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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	

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								
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	

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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	
1,1,2,2-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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191652

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1906374 1906375

Parameter	Units	40191647001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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).

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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		

Pace Analytical
www.pacelabs.com

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

Page 1 of 1

4019652

CHAIN OF CUSTODY

(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 Sandmann
Sampled By (Sign):	
PO #:	Regulatory Program:

*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

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:	

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 DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO)	PRESERVATION (CODE)*	Analyses Requested	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					Y/N	Pick Letter	VOCs			
001	MW-8A	7/19/19	12:55	GW	N	B	X			
002	MW-7	7/19/19	12:30	GW			X	(Pre)		
003	MW-8	7/19/19	12:35	GW			X	(Post)		

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

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

Email #1:	
Email #2:	
Telephone:	
Fax:	

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
	7/22/2019 8:30		7/22/19 0830
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No.
4019652

Receipt Temp = 0.1 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

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

Client Name: GEI

Sample Preservation Receipt Form

Project # 40191652

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:

	Glass							Plastic							Vials						Jars			General							
Pace Lab #	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	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001																		3															2.5 / 5 / 10
002																		3															2.5 / 5 / 10
003																		3									3						2.5 / 5 / 10
004																																	2.5 / 5 / 10
005																																	2.5 / 5 / 10
006																																	2.5 / 5 / 10
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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:	

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

Sample Condition Upon Receipt Form (SCUR)

Client Name: GEI

Project #:

WO# : 40191652

40191652

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: R01 /Corr:

Temp Blank Present: ☐ yes ☑ no **Biological Tissue is Frozen:** ☐ yes ☐ no

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

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

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD:	☐Yes ☑No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: W	☑Yes ☐No ☐N/A	12.
Trip Blank Present:	☐Yes ☑No ☐N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☑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: Date: 7-22-19

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Enclosures

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

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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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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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

Pace Analytical Services, LLC
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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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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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

Pace Analytical Services, LLC
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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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REPORT OF LABORATORY ANALYSIS

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(920)469-2436

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 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
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	

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

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191653

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1906374 1906375

Parameter	Units	40191647001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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		

Pace Analytical®
www.pacelabs.com

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

Page 1 of 1

4019153

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

(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):	
PO #:	Regulatory Program:

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:	

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 DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOCs	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	MW-17B	7/19/19	13:30	GW	N	B	X			

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

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

Email #1:	
Email #2:	
Telephone:	
Fax:	

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
	7/22/19 8:30		7/24/19 0855
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No.
4019153

Receipt Temp = 2.1 °C

Sample Receipt pH
OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

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

Client Name: GEI

Sample Preservation Receipt Form

Project # 40191653

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):

	Glass							Plastic							Vials						Jars			General							
Pace Lab #	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	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001																		W															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
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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

7/22/19 SAD

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:	

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

Sample Condition Upon Receipt Form (SCUR)

Client Name: GEI

Project #:

WO#: 40191653

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: R01 /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:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD:	☐Yes ☑No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: W	☑Yes ☐No ☐N/A	12.
Trip Blank Present:	☐Yes ☑No ☐N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☑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: Date: 7-22-19

Page 2 of 2

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Enclosures

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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	

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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	

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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	

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
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	

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1902344 LAKEWOOD DX
Pace Project No.: 40191654

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1906374 1906375

Parameter	Units	40191647001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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).

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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		

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

Page 1 of 1

40191654

Pace Analytical®
www.pacelabs.com

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

(Please Print Clearly)	
Company Name:	GEI Consultants, Inc.
Branch/Location:	Green Bay, WI
Project Contact:	Roger Miller
Phone:	920-455-8200
Project Number:	1902341
Project Name:	Lakewood DX
Project State:	WI
Sampled By (Print):	Kyle Sandmire
Sampled By (Sign):	
PO #:	Regulatory Program:

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:	

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 DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO)	PRESERVATION (CODE)*	Analyses Requested	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					Y/N	Pick Letter	VOCs			
001	PW-3	7/19/19	4:50	GW	N	B	X	(Pre)		
002	PW-4	7/19/19	4:55	GW	N	B	X	(Post)		

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:	Relinquished By:	Date/Time:	Received By:	Date/Time:
Transmit Prelim Rush Results by (complete what you want):		7/22/2019 8:30		7/22/19 0830
Email #1:	Relinquished By:	Date/Time:	Received By:	Date/Time:
Email #2:	Relinquished By:	Date/Time:	Received By:	Date/Time:
Telephone:	Relinquished By:	Date/Time:	Received By:	Date/Time:
Fax:	Relinquished By:	Date/Time:	Received By:	Date/Time:

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

PACE Project No.
40191654

Receipt Temp = 2.0 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / ~~Not Present~~ Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

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

Sample Preservation Receipt Form

Client Name: GEI

Project # 40191654

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:

	Glass							Plastic							Vials						Jars			General							
Pace Lab #	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	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001																		3															2.5 / 5 / 10
002																		3									3						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
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014																																2.5 / 5 / 10
015																																2.5 / 5 / 10
016																																2.5 / 5 / 10
017																																2.5 / 5 / 10
018																																2.5 / 5 / 10
019																																2.5 / 5 / 10
020																																2.5 / 5 / 10

7/22/19 SA

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:	

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

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40191654

40191654

Client Name: GEI

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: 20.1 /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:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☑No ☐N/A		8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: W	☑Yes ☐No ☐N/A	12.
Trip Blank Present:	☐Yes ☑No ☐N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☑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: _____ **Date:** 7-22-19