GEI Consultants

Consulting Engineers and Scientists

November 15, 2019

VIA EMAIL: Sarah.Krueger@wisconsin.gov

Ms. Sarah Krueger
Hydrogeologist
Wisconsin Department of Natural Resources
2984 Shawano Avenue
Green Bay, Wisconsin 54313

Re: Groundwater Sampling Summary
15761 East Chain Lake Road
Town of Lakewood
Oconto County, Wisconsin

Dear Sarah:

GEI Consultants, Inc. (GEI) is pleased to provide this summary of groundwater sampling results to assist the Wisconsin Department of Natural Resources (WDNR) with assessing current groundwater conditions associated with the Lakewood DX site (WDNR Bureau of Remediation and Redevelopment Tracking System [BRRTS] Case No. 02-43-000105), in response to the WDNR's Scope of Work (SOW) dated February 21, 2019, and under PO (37000-00000)10666. The purpose of additional assessment tasks was to confirm appropriate sample locations including existing monitoring wells and private wells near the site and to collect groundwater samples for laboratory analysis to determine whether groundwater contamination remains and, if so, whether the groundwater plume appears to have stabilized.

Project Background and Understanding

According to online information (BRRTS on the Web [BOTW]), the site was originally identified through sampling in the late 1980s and 1990s under a "traditional Superfund assessment" of the former service station site. Subsequent State-funded assessment included additional monitoring well installations and several rounds of groundwater sampling from 2002 through 2004. Based on information supplied in the SOW, 36 monitoring wells, including several well nests with water table wells and piezometers, and 17 private wells have been sampled for volatile organic compound (VOC) testing. Groundwater data has indicated contamination above NR 140, Wisconsin Administrative Code (WAC), groundwater quality standards for trichloroethylene (TCE); benzene, ethylbenzene, toluene, and xylenes (BTEX); naphthalene; and trimethylbenzenes (TMB).

Prior to sampling and field documentation, GEI prepared a Quality Assurance/Quality Control (QA/QC) Plan (Plan) that covered methods of groundwater sample collection and analyses, sample preservation techniques, chain-of-custody procedures, decontamination procedures for sampling equipment (as appropriate), and maintenance and calibration of sampling equipment. The quality assurance and quality control procedures were consistent with requirements in ss. NR 716.13 and NR 716.09(2)(f)(5), WAC. The Plan also provided information on duplicate samples, detection limits, field and trip blanks, and matrix spike analysis. GEI submitted the Plan to WDNR on April 30, 2019.

GEI Consultants, Inc.
3159 Voyager Drive, Green Bay, WI 54311
920.455.8200 fax: 920.455.8225

Prior to conducting fieldwork and as required by the Plan, GEI prepared a Health and Safety Plan (HASP) to establish procedures designed to protect GEI personnel from the potential hazards posed by the groundwater sampling activities. The HASP identified measures to limit the potential for accidents or injuries which may result from project activities or during adverse weather conditions, and included sections on hazard/risk analysis, personal protective equipment (PPE), key project personnel/responsibility in lines of authority, training programs, site control measures, incident reporting, and decontamination procedures. The GEI project team has been trained in accordance with requirements in OSHA Standard 29 CFR 1910.120 "Hazardous Waste Operations and Emergency Response" (HAZWOPER) for fieldwork at contaminated sites. GEI brought a hard copy of the HASP to the project site and conducted a project safety briefing prior to the start of fieldwork.

Field and Laboratory Results

On July 19, 2019, GEI met with you to review site conditions and identify, locate, and access appropriate monitoring and potable wells to include in the groundwater sampling program. Groundwater samples were also collected on this date from seven monitoring wells (MW-4, MW-5, MW-5A, MW-5B, MW-6, MW-8A, and MW-17B) and five potable wells (PW-3/PW-4, PW-6, PW-7/PW-8, PW-10, and PW-20/PW-21). Sample IDs listed with a "/" correspond to samples collected before (lower number) and after (higher number) treatment systems observed at the residences. Analytical results are summarized on attached Tables 1 and 2 for the monitoring and potable wells, respectively. Laboratory analytical reports are attached.

Groundwater samples were collected from monitoring wells using low-flow techniques. Water table elevation, pH, and conductivity were recorded from each monitoring well in the field and are summarized on Table 1. VOC results for the monitoring well samples are also summarized on Table 1, along with previous data available electronically from the WDNR. Of note, TCE was detected above its preventive action limit (PAL) in the sample collected from MW-8A. A duplicate sample was collected from MW-4 and was identified as sample MW-4D.

For the potable well samples, consistent with WDNR guidance[1], GEI staff ran water from the appropriate tap/faucet for approximately five minutes prior to collecting the well water sample(s) directly from the tap/faucet into sample vials provided by the analytical laboratory. VOC results for potable well samples are summarized on Table 2, along with previous data available electronically from the WDNR. For each of the three residences having potable wells with observed treatment systems, TCE was detected in the pre-treatment samples (PW-3, PW-7, and PW-20) at concentrations above the PAL or enforcement standard (ES), but not in the post-treatment samples (PW-4, PW-8, and PW-21). TCE was also detected above the PAL in the sample collected from PW-6 where no treatment unit was observed. A duplicate sample was collected from the post-treatment sample spigot for PW-21 and was identified as sample PW-21D.

Groundwater samples were submitted under chain-of-custody control to a Wisconsin-certified laboratory (Pace Analytical Services, LLC, Green Bay, Wisconsin [Pace]) and analyzed for VOCs using EPA Method 8260. Consistent with NR 716, WAC, duplicate groundwater samples were collected at a ratio of 1:10, and matrix spike (MS)/matrix spike duplicate (MSD) samples were collected at a ratio of 1:20. Accordingly, two duplicate samples (as noted above) and one MS/MSD sample were included in the analyses. Pace ran the MS and MSD, utilizing sample MW-5 as the parent sample. The batch included project samples MW-05, MW-5A, and MW-5B. As presented in the attached analytical report, MS and MSD recoveries were within the recovery limits specified for

[1] Wisconsin Department of Natural Resources, *Groundwater Sampling Desk Reference*, Publication DG-037, 1996.

EPA Method 8260. In addition, no VOCs were detected in the trip blank submitted with the monitoring and potable well water samples.

We appreciate this opportunity to provide a groundwater sampling services to the WDNR. Please contact Roger Miller (920.455.8657) if you have any questions.

Sincerely,

GEI CONSULTANTS, INC.

Roger A. Miller
Senior Hydrogeologist

Kyle Sandmire
Project Scientist

Attachments:
Table 1 - WDNR Task and Price Quote Spreadsheet
Table 2 - Cost Breakdown Table
Analytical Laboratory Reports

RAM:cah
K:\Wisconsin Department of Natural Resources (WDNR)\1902344_Lakewood DX GW Monitoring\In_Progress\Reports\1902344_Sampling Summary_WDNR Lakewood DX_2019.docx

TABLE 1
GROUNDWATER MONITORING WELL ANALYTICAL RESULTS
LAKEWOOD DX STATION / PELKY DX STATION
LAKEWOOD, WISCONSIN
EPA Number WID 988566220

Monitoring Well ►			**MW1**	**MW3**	**MW3A**	**MW3B**	**MW3B D**	**MW-4**									
Sampling Date ►			09/20/11	09/20/11	09/21/11	09/21/11	9/21/2011	07/28/89	08/11/89	06/25/91	11/05/02	06/09/03	09/23/03	12/09/03	05/05/04	9/20/2011	7/19/2019
Screen Depth (ft) ►			7 to 17	23 to 33	61 to 66	84 to 89	84 to 89	10 to 20									
Field Parameters																	
Depth to Water (ft)																	14.53
Groundwater Elevation (ft MSL)																	1247.01
Depth to Well Bottom (ft)																	22.04
pH																	7.56
Temperature (°C)																	10.5
Specific Conductance (uS/cm)																	309.9
Dissolved Oxygen (mg/L)																	4.28
VOCs (µg/L) ▼	**NR 140 PAL[1]**	**NR 140 ES[2]**	Well Dry														
1,1,1-TCA	200	40	NS	--	--	--	--	X	X	X	<6.5	<4.5	<4.5	<4.5	<4.5	--	< 0.24
1,1,2-TCA	5	0.5	NS	--	--	--	--	X	X	X	<5.0	<2.1	<2.1	<2.1	<2.1	--	< 0.55
1,1-DCA	850	85	NS	--	--	--	--	X	X	X	<8.7	<3.8	<3.8	<3.8	<3.8	--	< 0.27
1,2,4-Trimethylbenzene	480	96	NS	--	--	--	--	---	---	---	**740.0**	**600.0**	**620.0**	**530.0**	**540.00**	--	8.0
1,2-DCA	5	0.5	NS	--	--	--	--	X	X	X	<5.5	<1.8	<1.8	<1.8	<1.8	--	< 0.28
1,2-Dichloro Propoane	5	0.5	NS	--	--	--	--	--	--	--	<3.9	<2.3	<2.3	<2.3	<2.3	--	< 0.28
1,3,5-Trimethylbenzene	480	96	NS	--	--	--	--	--	--	--	230.0	180.0	250.0	200.0	200.00	--	5.9
Acetone	9 mg/L	1.8 mg/L	NS	< 5.0	< 5.0	< 5.0	< 5.0	X	X	X	--	--	--	--	--	< 5.0	--
Benzene	5	0.5	NS	< 0.5	< 0.5	< 0.5	< 0.5	--	--	--	<2.5	<2.0	<2.0	<2.0	<2.0	< 0.5	< 0.25
Chlorobenzene	NE	NE	NS	< 0.5	< 0.5	< 0.5	< 0.5	--	--	--	--	--	--	--	--	< 0.5	< 0.71
Cyclohexane	NE	NE	NS	< 0.5	< 0.5	< 0.5	< 0.5	--	--	--	--	--	--	--	--	16 J	--
1,1-Dichloroethene	70	7	NS	< 0.5	< 0.5	< 0.5	< 0.5	--	--	--	--	--	--	--	--	< 0.5	< 0.24
cis-1,2-Dichlorethene	70	7	NS	< 0.5	< 0.5	< 0.5	< 0.5	--	--	--	<8.1	<4.2	<4.2	<4.1	<4.1	< 0.5	< 0.27
trans-1,2-Dichloroethene	100	20	NS	< 0.5	< 0.5	< 0.5	< 0.5	--	--	--	<8.0	<4.4	<4.4	<4.4	<4.4	< 0.5	< 1.1
Ethylbenzene	700	140	NS	< 0.5	< 0.5	< 0.5	< 0.5	X	188.0	420.0	20.0	4.7	20.0	23.0	7.50	1.1	< 0.22
Isopropylbenzene	**	**	NS	< 0.5	< 0.5	< 0.5	< 0.5	--	--	--	22.0	14.0	16.0	7.8t	13.00	3.1	< 0.39
Methylcyclohexane	NE	NE	NS	< 0.5	< 0.5	< 0.5	< 0.5	--	--	--	--	--	--	--	--	22 J	--
MethyleneChloride	5	0.5	NS	--	--	--	--	**6.3**	**14.3**	X	<4.7	<2.2	<2.2	<2.2	<2.2	--	< 0.58
Naphthalene	40	8	NS	--	--	--	--	--	--	--	**46.0**	32.0	21.0	**42.0**	29.00	--	< 1.2
n-butyl Benzene	**	**	NS	--	--	--	--	13.0	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	--	< 0.71
n-Propylbenzene	**	**	NS	--	--	--	--	--	--	--	58.0	45.0	57.0	28.0	43.00	--	< 0.81
p-Isopropyltoluene	**	**	NS	--	--	--	--	--	--	--	6.5t	<3.4	<3.4	<3.4	<3.4	--	< 0.8
sec-butyl Benzene	**	**	NS	--	--	--	--	--	--	--	<6.2	<4.4	<4.4	<4.4	<4.4	--	--
Styrene	100	10	NS	--	--	--	--	--	--	--	<6.2	<4.3	<4.3	<4.3	<4.3	--	< 0.47
Toluene	1,000	200	NS	< 0.5	< 0.5	0.87	0.55	61.0	195.0	640.0	<8.4	<3.4	5.8	<3.4	<3.4	< 0.5	< 0.17
Trichloroethene	5	0.5	NS	< 0.5	0.48 J	0.43 J	0.49 J	**23.6**	**26.4**	**27.0**	<3.9	<2.4	2.8	<3.4	<2.4	< 0.5	< 0.26
Vinyl Chloride	0.2	0.02	NS	--	--	--	--	X	X	X	<1.1	<0.9	<0.9	<0.9	<0.9	--	< 0.17
Xylenes	10,000	1,000	NS	< 0.5	< 0.5	< 0.5	< 0.5	834.0	903.0	4900.0	296.0	132.0	370.0	870.0	188.0	37 J	< 0.47

Notes
(µg/L) = micrograms per Liter; -- = not analyzed;
< = not detected above method detection limit;
J = concentration between detection limit and reporting limit;
GW = Groundwater
NE = Not Established;
VOCs = Volatile Organic Compounds;
[1] NR 140 PAL = Chapter NR 140, Wisconsin Administrative Code, Preventive Action Limit;
[2] NR 140 ES = Chapter NR 140, Wisconsin Administrative Code, Enforcement Standard;
[3]Only detected analytes are listed; refer to laboratory analytical report for full list of assessed
Exceeds NR 140 ES standards **100**
Exceeds NR 140 PAL standards ***100***
* - Analysis done by Wisconsin State Laboratory of Hygiene, all others by Mitkem
D - Duplicate
M - Matric Spike Duplicate
MD - Matric Spike Duplicate
NS - Not Sampled

TABLE 1
GROUNDWATER MONITORING WELL ANALYTICAL RESULTS
LAKEWOOD DX STATION / PELKY DX STATION
LAKEWOOD, WISCONSIN
EPA Number WID 988566220

Monitoring Well ►			**MW4 D**	**MW4 D**	**MW4 D**	**MW4 D**	**MW-5**									
Sampling Date ►			9/20/2011	9/20/2011	9/20/2011	7/19/2019	07/28/89	08/11/89	06/25/91	11/5/2002	6/9/2003	9/23/2003	12/9/2003	5/5/2004	9/20/2011	7/19/2019
Screen Depth (ft) ►			10 to 20	10 to 20	10 to 20	10 to 20	14 to 24									
Field Parameters																
Depth to Water (ft)																14.15
Groundwater Elevation (ft MSL)																1246.97
Depth to Well Bottom (ft)																27.35
pH																8.06
Temperature (°C)																8.8
Specific Conductance (uS/cm)																381.5
Dissolved Oxygen (mg/L)																4.44
VOCs (µg/L) ▼	**NR 140 PAL[1]**	**NR 140 ES[2]**														
1,1,1-TCA	200	40	--	--	--	< 0.24	X	X	X	<0.65	<0.90	<0.90	<0.90	<0.90	--	< 0.24
1,1,2-TCA	5	0.5	--	--	--	< 0.55	X	X	2.00	<0.50	<0.42	<0.42	<0.42	<0.42	--	< 0.55
1,1-DCA	850	85	--	--	--	< 0.27	X	X	X	<0.87	<0.75	<0.75	<0.75	<0.75	--	< 0.27
1,2,4-Trimethylbenzene	480	96	--	--	--	7.9	--	--	--	<0.69	<0.97	<0.97	<0.97	<0.97	--	< 0.84
1,2-DCA	5	0.5	--	--	--	< 0.28	X	X	X	<0.55	<0.36	<0.36	<0.36	<0.36	--	< 0.28
1,2-Dichloro Propoane	5	0.5	--	--	--	< 0.28	--	--	--	<0.39	<0.46	<0.46	<0.46	<0.46	--	< 0.28
1,3,5-Trimethylbenzene	480	96	--	--	--	5.9	--	--	--	<0.64	<0.83	<0.83	<0.83	<0.83	--	< 0.87
Acetone	9 mg/L	1.8 mg/L	< 5.0	< 5.0	< 5.0	--	--	--	--	--	--	--	--	--	< 5.0	--
Benzene	5	0.5	< 1.0	< 0.5	< 0.5	< 0.25	X	**38.7**	**5.8**	0.78	<0.41	<0.41	1.40	1.20	< 0.5	< 0.25
Chlorobenzene	NE	NE	< 1.0	< 0.5	< 0.5	< 0.71	--	'--	'--	'--	'--	'--	'--	'--	< 0.5	< 0.71
Cyclohexane	NE	NE	24 J	15 J	20 J	--	X	X	X	'--	'--	'--	'--	'--	< 0.5	--
1,1-Dichloroethene	70	7	< 1.0	< 0.5	< 0.5	< 0.24	--	'--	'--	'--	'--	'--	'--	'--	< 0.5	< 0.24
cis-1,2-Dichlorethene	70	7	< 1.0	< 0.5	< 0.5	< 0.27	--	'--	'--	<0.81	<0.83	<0.83	<0.83	<0.83	< 0.5	< 0.27
trans-1,2-Dichloroethene	100	20	< 1.0	< 0.5	< 0.5	< 1.1	--	'--	'--	<0.80	<0.89	<0.89	<0.89	<0.89	< 0.5	< 1.1
Ethylbenzene	700	140	1.3	1	1.2	< 0.22	X	X	X	<0.53	<0.54	<0.54	<0.54	<0.54	< 0.5	< 0.22
Isopropylbenzene	**	**	4.5	2.9	4	< 0.39	--	'--	'--	<0.66	<0.59	<0.59	1.30	1.20	< 0.5	< 0.39
Methylcyclohexane	NE	NE	36 J	21 J	27 J	--	--	'--	'--	'--	'--	'--	'--	'--	< 0.5	--
MethyleneChloride	5	0.5	--	--	--	< 0.58	--	'--	'--	1.20	1.60	<0.43	<0.43	<0.43	--	< 0.58
Naphthalene	40	8	--	--	--	< 1.2	--	'--	'--	<0.63	<0.74	<0.74	<0.74	<0.74	--	< 1.2
n-butyl Benzene	**	**	--	--	--	< 0.71	--	'--	'--	<0.65	<0.93	<0.93	<0.93	<0.93	--	< 0.71
n-Propylbenzene	**	**	--	--	--	< 0.81	--	'--	'--	<0.65	<0.81	<0.81	<0.81	<0.81	--	< 0.81
p-Isopropyltoluene	**	**	--	--	--	0.81 J	--	'--	'--	<0.58	<0.67	<0.67	<0.67	<0.67	--	< 0.80
sec-butyl Benzene	**	**	--	--	--	--	--	'--	'--	<0.62	<0.89	<0.89	<0.89	<0.89	--	--
Styrene	100	10	--	--	--	< 0.47	X	X	X	<0.62	<0.86	<0.86	<0.86	<0.86	--	< 0.47
Toluene	1,000	200	< 1.0	< 0.5	< 0.5	< 0.17	--	'--	'--	2.00	0.86	0.75	<0.67	<0.67	< 0.5	< 0.17
Trichloroethene	5	0.5	< 1.0	< 0.5	< 0.5	< 0.26	X	1.60	X	<0.39	<0.48	<0.48	<0.48	<0.48	< 0.5	< 0.26
Vinyl Chloride	0.2	0.02	--	--	--	< 0.17	X	X	X	<0.11	<0.18	<0.18	<0.18	<0.18	--	< 0.17
Xylenes	10,000	1,000	46	35	46	< 0.47	X	X	X	1.83	<2.63	<2.63	<2.63	<2.63	< 0.5	< 0.47

Notes
(µg/L) = micrograms per Liter; -- = not analyzed;
< = not detected above method detection limit;
J = concentration between detection limit and reporting limit;
GW = Groundwater
NE = Not Established;
VOCs = Volatile Organic Compounds;
[1] NR 140 PAL = Chapter NR 140, Wisconsin Administrative Code, Preventive Action Limit;
[2] NR 140 ES = Chapter NR 140, Wisconsin Administrative Code, Enforcement Standard;
[3]Only detected analytes are listed; refer to laboratory analytical report for full list of assessed
Exceeds NR 140 ES standards **100**
Exceeds NR 140 PAL standards ***100***
* - Analysis done by Wisconsin State Laboratory of Hygiene, all others by Mitkem
D - Duplicate
M - Matric Spike Duplicate
MD - Matric Spike Duplicate
NS - Not Sampled

TABLE 1
GROUNDWATER MONITORING WELL ANALYTICAL RESULTS
LAKEWOOD DX STATION / PELKY DX STATION
LAKEWOOD, WISCONSIN
EPA Number WID 988566220

Monitoring Well ►			**MW-5A**										**MW5A M**	**MW5A MD**
Sampling Date ►			07/28/89	08/11/89	06/25/91	11/05/02	06/09/03	09/23/03	12/09/03	05/05/04	9/21/2011	7/19/2019	9/21/2011	9/21/2011
Screen Depth (ft) ►			40 to 45										40 to 45	40 to 45
Field Parameters														
Depth to Water (ft)												17.21		
Groundwater Elevation (ft MSL)												1244.1		
Depth to Well Bottom (ft)												49.82		
pH												8.1		
Temperature (°C)												9.5		
Specific Conductance (uS/cm)												412.5		
Dissolved Oxygen (mg/L)												6.97		
VOCs (µg/L) ▼	**NR 140 PAL[1]**	**NR 140 ES[2]**												
1,1,1-TCA	200	40	X	X	X	<0.65	<0.90	<0.90	<0.90	<0.90	--	< 0.24	--	--
1,1,2-TCA	5	0.5	X	X	X	<0.50	<0.42	<0.42	<0.42	<0.42	--	< 0.55	--	--
1,1-DCA	850	85	7.1	11.4	2.0	<0.87	<0.75	<0.75	<0.75	<0.75	--	< 0.27	--	--
1,2,4-Trimethylbenzene	480	96	--	--	--	0.79	<0.97	<0.97	<0.97	<0.97	--	< 0.84	--	--
1,2-DCA	5	0.5	X	X	X	0.84	<0.36	0.90	0.84	<0.36	--	< 0.28	--	--
1,2-Dichloro Propoane	5	0.5	--	--	--	<0.39	<0.46	<0.46	<0.46	<0.46	--	< 0.28	--	--
1,3,5-Trimethylbenzene	480	96	--	--	--	<0.64	<0.83	<0.83	<0.83	<0.83	--	< 0.87	--	--
Acetone	9 mg/L	1.8 mg/L	'--	'--	'--	'--	'--	'--	'--	'--	< 5.0	--	< 5.0	< 5.0
Benzene	5	0.5	**22.0**	**19.9**	**18.3**	**7.60**	4.7	**6.30**	**6.30**	**7.90**	0.84	< 0.25	**5.7**	**5.5**
Chlorobenzene	NE	NE	'--	'--	'--	'--	'--	'--	'--	'--	< 0.5	< 0.71	4.4	4.5
Cyclohexane	NE	NE	'--	'--	'--	'--	'--	'--	'--	'--	5.1	--	6.7	4.7
1,1-Dichloroethene	70	7	--	--	--	'--	'--	'--	'--	'--	< 0.5	< 0.24	3.6	3.9
cis-1,2-Dichlorethene	70	7	'--	'--	'--	4.20	2.30	5.50	5.10	7.00	2.1	< 0.27	3.7	2.2
trans-1,2-Dichloroethene	100	20	'--	'--	'--	<0.80	<0.89	<0.89	<0.89	<0.89	< 0.5	< 1.1	< 0.5	< 0.5
Ethylbenzene	700	140	X	X	X	4.70	2.40	4.10	3.0	4.20	0.61	< 0.22	0.83	0.61
Isopropylbenzene	**	**	--	--	--	0.77	<0.59	0.87	<0.59	0.92	0.42 J	< 0.39	0.4 J	0.41 J
Methylcyclohexane	NE	NE	'--	'--	'--	'--	'--	'--	'--	'--	2.3	--	2.8	2.1
MethyleneChloride	5	0.5	X	X	X	0.57	<0.43	<0.43	<0.43	<0.43	--	< 0.58	--	--
Naphthalene	40	8	--	--	--	<0.63	<0.74	<0.74	<0.74	<0.74	--	< 1.2	--	--
n-butyl Benzene	**	**	--	--	--	<0.65	<0.93	<0.93	<0.93	<0.93	--	< 0.71	--	--
n-Propylbenzene	**	**	--	--	--	<0.95	<0.81	<0.81	<0.81	<0.81	--	< 0.81	--	--
p-Isopropyltoluene	**	**	--	--	--	<0.58	<0.67	<0.67	<0.67	<0.67	--	< 0.80	--	--
sec-butyl Benzene	**	**	--	--	--	<0.62	<0.89	<0.89	<0.89	<0.89	--	--	--	--
Styrene	100	10	--	--	--	<0.62	<0.86	<0.86	<0.86	<0.86	--	< 0.47	--	--
Toluene	1,000	200	2.3	1.6	2.0	9.60	0.90	0.77	1.20	<0.67	0.9 J	< 0.17	4.7	5.4
Trichloroethene	5	0.5	**11.5**	**16.1**	**33.3**	**63.0**	**40.0**	**91.0**	**100.0**	**120.00**	**20 J**	< 0.26	**33 J**	**24 J**
Vinyl Chloride	0.2	0.02	X	X	X	<0.11	<0.18	<0.18	<0.18	<0.18	--	< 0.17	--	--
Xylenes	10,000	1,000	3.3	3.4	5.0	10.10	2.1t	3.68	2.0	3.45	0.79 J	< 0.47	0.51	0.8 J

Notes
(µg/L) = micrograms per Liter; -- = not analyzed;
< = not detected above method detection limit;
J = concentration between detection limit and reporting limit;
GW = Groundwater
NE = Not Established;
VOCs = Volatile Organic Compounds;
[1] NR 140 PAL = Chapter NR 140, Wisconsin Administrative Code, Preventive Action Limit;
[2] NR 140 ES = Chapter NR 140, Wisconsin Administrative Code, Enforcement Standard;
[3]Only detected analytes are listed; refer to laboratory analytical report for full list of assessed
Exceeds NR 140 ES standards **100**
Exceeds NR 140 PAL standards ***100***
* - Analysis done by Wisconsin State Laboratory of Hygiene, all others by Mitkem
D - Duplicate
M - Matric Spike Duplicate
MD - Matric Spike Duplicate
NS - Not Sampled

TABLE 1
GROUNDWATER MONITORING WELL ANALYTICAL RESULTS
LAKEWOOD DX STATION / PELKY DX STATION
LAKEWOOD, WISCONSIN
EPA Number WID 988566220

Monitoring Well ►			**MW-5B**						**MW5B D**	**MW-6**						**MW6 D**
Sampling Date ►			06/09/03	09/23/03	12/09/03	05/05/04	9/21/2011	7/19/2019	9/21/2011	06/09/03	09/23/03	12/09/03	05/05/04	9/20/2011	7/19/2019	9/20/2011
Screen Depth (ft) ►			97 to 102						97 to 102	10 to 20						10 to 20
Field Parameters																
Depth to Water (ft)								16.97							14.3	
Groundwater Elevation (ft MSL)								1243.97							1244.82	
Depth to Well Bottom (ft)								104.89							23.43	
pH								7.81							7.8	
Temperature (°C)								9.9							10.4	
Specific Conductance (uS/cm)								295.7							275.4	
Dissolved Oxygen (mg/L)								2.7							8.11	
VOCs (µg/L) ▼	**NR 140 PAL[1]**	**NR 140 ES[2]**														
1,1,1-TCA	200	40	<0.90	<0.90	<0.90	<0.90	--	< 0.24	--	<0.90	<0.90	<0.90	<0.90	--	< 0.24	--
1,1,2-TCA	5	0.5	<0.42	<0.42	<0.42	<0.42	--	< 0.55	--	<0.42	<0.42	<0.42	<0.42	--	< 0.55	--
1,1-DCA	850	85	<0.75	<0.75	<0.75	<0.75	--	< 0.27	--	<0.75	<0.75	<0.75	<0.75	--	< 0.27	--
1,2,4-Trimethylbenzene	480	96	<0.97	<0.97	<0.97	<0.97	--	< 0.84	--	71.0	53.0	18.0	11.0	--	< 0.84	--
1,2-DCA	5	0.5	<0.36	<0.36	<0.36	<0.36	--	< 0.28	--	<0.36	<0.36	<0.36	<0.36	--	< 0.28	--
1,2-Dichloro Propoane	5	0.5	<0.46	<0.46	<0.46	<0.46	--	< 0.28	--	<0.46	<0.46	<0.46	<0.46	--	< 0.28	--
1,3,5-Trimethylbenzene	480	96	<0.83	<0.83	<0.83	<0.83	--	< 0.87	--	68.0	50.0	26.0	32.0	--	< 0.87	--
Acetone	9 mg/L	1.8 mg/L	'--	'--	'--	'--	< 5.0	--	< 5.0	--	--	--	--	< 5.0	--	< 5.0
Benzene	5	0.5	1.6	<0.41	<0.41	<0.41	< 0.5	< 0.25	< 0.5	<0.41	<0.41	<0.41	<0.41	< 0.5	< 0.25	< 2.0
Chlorobenzene	NE	NE	'--	'--	'--	'--	< 0.5	< 0.71	< 0.5	--	--	--	--	< 0.5	< 0.71	< 2.0
Cyclohexane	NE	NE	'--	'--	'--	'--	< 0.5	--	< 0.5	--	--	--	--	4.8 J	--	6.7
1,1-Dichloroethene	70	7	'--	'--	'--	'--	< 0.5	< 0.24	< 0.5	--	--	--	--	< 0.5	< 0.24	< 2.0
cis-1,2-Dichlorethene	70	7	1.0	<0.83	<0.83	<0.83	< 0.5	< 0.27	< 0.5	<0.83	<0.83	<0.83	<0.83	< 0.5	< 0.27	< 2.0
trans-1,2-Dichloroethene	100	20	<0.89	<0.89	<0.89	<0.89	< 0.5	< 1.1	< 0.5	<0.89	<0.89	<0.89	<0.89	< 0.5	< 1.1	< 2.0
Ethylbenzene	700	140	2.3	9.5	11.0	2.4	< 0.5	< 0.22	< 0.5	<0.54	<0.54	<0.54	<0.54	< 0.5	< 0.22	< 2.0
Isopropylbenzene	**	**	<0.59	2.0	1.7	1.1	< 0.5	< 0.39	< 0.5	1.8	1.5	<0.59	<0.59	< 0.5	< 0.39	< 2.0
Methylcyclohexane	NE	NE	'--	'--	'--	'--	< 0.5	--	0.75	--	--	--	--	40 J	--	58
MethyleneChloride	5	0.5	<0.43	<0.43	<0.43	<0.43	--	< 0.58	--	<0.43	<0.43	<0.43	<0.43	--	< 0.58	--
Naphthalene	40	8	<0.74	1.5	2.3t	<0.74	--	< 1.2	--	<0.74	<0.75	<0.76	<0.77	--	< 1.2	--
n-butyl Benzene	**	**	<0.93	<0.93	<0.93	<0.93	--	< 0.71	--	<0.93	20.0	<0.93	16.0	--	< 0.71	--
n-Propylbenzene	**	**	<0.81	3.5	4.0	1.8	--	< 0.81	--	6.2	6.6	<0.81	2.7	--	< 0.81	--
p-Isopropyltoluene	**	**	<0.67	<0.67	<0.67	<0.67	--	< 0.80	--	1.7	7.0	4.5	10.0	--	< 0.80	--
sec-butyl Benzene	**	**	<0.89	<0.89	<0.89	<0.89	--	--	--	<0.89	2.8t	<0.89	<0.89	--	--	--
Styrene	100	10	<0.86	<0.86	<0.86	<0.86	--	< 0.47	--	<0.86	<0.86	<0.86	<0.86	--	< 0.47	--
Toluene	1,000	200	<0.67	0.89t	1.2	<0.67	0.72	< 0.17	0.73	<0.67	0.8	1.2	<0.67	< 0.5	< 0.17	< 2.0
Trichloroethene	5	0.5	**13.0**	0.9	1.0	0.79	< 0.5	< 0.26	< 0.5	**38.0**	**34.0**	**31.0**	**15.0**	3.4	< 0.26	3.7
Vinyl Chloride	0.2	0.02	<0.18	<0.18	<0.18	<0.18	--	< 0.17	--	<0.18	<0.18	<0.18	<0.18	--	< 0.17	--
Xylenes	10,000	1,000	<2.63	<2.63	<2.63	<2.63	< 0.5	< 0.47	< 0.5	1.7	3.2	1.9	<2.63	1.09 J	< 0.47	< 2.0

Notes
(µg/L) = micrograms per Liter; -- = not analyzed;
< = not detected above method detection limit;
J = concentration between detection limit and reporting limit;
GW = Groundwater
NE = Not Established;
VOCs = Volatile Organic Compounds;
[1] NR 140 PAL = Chapter NR 140, Wisconsin Administrative Code, Preventive Action Limit;
[2] NR 140 ES = Chapter NR 140, Wisconsin Administrative Code, Enforcement Standard;
[3]Only detected analytes are listed; refer to laboratory analytical report for full list of assessed
Exceeds NR 140 ES standards **100**
Exceeds NR 140 PAL standards ***100***
* - Analysis done by Wisconsin State Laboratory of Hygiene, all others by Mitkem
D - Duplicate
M - Matric Spike Duplicate
MD - Matric Spike Duplicate
NS - Not Sampled

TABLE 1
GROUNDWATER MONITORING WELL ANALYTICAL RESULTS
LAKEWOOD DX STATION / PELKY DX STATION
LAKEWOOD, WISCONSIN
EPA Number WID 988566220

Monitoring Well ►			**MW6A**	**MW6B**	**MW8**	**MW-8A**									
Sampling Date ►			9/20/2011	9/20/2011	9/20/2011	07/28/89	08/11/89	06/25/91	11/05/02	06/09/03	09/23/03	12/09/03	05/05/04	9/20/2011	7/19/2019
Screen Depth (ft) ►			41 to 46	65 to 70	8 to 18	53 to 58									
Field Parameters															
Depth to Water (ft)															24.3
Groundwater Elevation (ft MSL)															1243.07
Depth to Well Bottom (ft)															60.45
pH															7.94
Temperature (°C)															11
Specific Conductance (uS/cm)															1368
Dissolved Oxygen (mg/L)															0.87
VOCs (µg/L) ▼	**NR 140 PAL[1]**	**NR 140 ES[2]**													
1,1,1-TCA	200	40	--	--	--	X	X	X	<0.65	<0.90	<0.90	<0.90	<0.90	--	<0.24
1,1,2-TCA	5	0.5	--	--	--	X	X	X	<0.50	<0.42	<0.42	<0.42	<0.42	--	<0.55
1,1-DCA	850	85	--	--	--	X	X	X	<0.87	<0.75	<0.75	<0.75	<0.75	--	<0.27
1,2,4-Trimethylbenzene	480	96	--	--	--	--	--	--	<0.69	<0.97	<0.97	<0.97	<0.97	--	<0.84
1,2-DCA	5	0.5	--	--	--	X	X	X	<0.55	<0.36	<0.36	<0.36	<0.36	--	<0.28
1,2-Dichloro Propoane	5	0.5	--	--	--	--	--	--	<0.39	<0.46	<0.46	<0.46	<0.46	--	<0.28
1,3,5-Trimethylbenzene	480	96	--	--	--	--	--	--	<0.64	<0.83	<0.83	<0.83	<0.83	--	<0.87
Acetone	9 mg/L	1.8 mg/L	< 5.0	< 5.0	< 5.0	--	--	--	--	--	--	--	--	< 5.0	--
Benzene	5	0.5	< 0.5	< 0.5	< 0.5	1.10	1.00	X	<0.25	<0.41	<0.41	<0.41	<0.41	< 0.5	<0.25
Chlorobenzene	NE	NE	< 0.5	< 0.5	< 0.5	--	--	--	--	--	--	--	--	< 0.5	<0.71
Cyclohexane	NE	NE	< 0.5	< 0.5	< 0.5	--	--	--	--	--	--	--	--	0.75	--
1,1-Dichloroethene	70	7	< 0.5	< 0.5	< 0.5	--	--	--	--	--	--	--	--	< 0.5	<0.24
cis-1,2-Dichlorethene	70	7	< 0.5	< 0.5	< 0.5	--	--	--	3.40	9.4	8.2	9.9	13.0	2.6	3.1
trans-1,2-Dichloroethene	100	20	< 0.5	< 0.5	< 0.5	--	--	--	<0.80	<0.89	<0.89	<0.89	<0.89	1.2	<1.1
Ethylbenzene	700	140	< 0.5	< 0.5	< 0.5	X	X	X	<0.53	<0.54	0.61t	0.56t	0.72t	< 0.5	<0.22
Isopropylbenzene	**	**	< 0.5	< 0.5	< 0.5	--	--	--	<0.66	<0.59	<0.59	<0.59	<0.59	< 0.5	<0.39
Methylcyclohexane	NE	NE	< 0.5	< 0.5	< 0.5	--	--	--	--	--	--	--	--	0.62	--
MethyleneChloride	5	0.5	--	--	--	X	X	X	1.40	<0.43	<0.43	<0.43	<0.43	--	<0.58
Naphthalene	40	8	--	--	--	--	--	--	<0.63	<0.74	<0.74	<0.74	<0.74	--	<1.2
n-butyl Benzene	**	**	--	--	--	--	--	--	<0.65	<0.93	<0.93	<0.93	<0.93	--	<0.71
n-Propylbenzene	**	**	--	--	--	--	--	--	<0.95	<0.81	<0.81	<0.81	<0.81	--	<0.81
p-Isopropyltoluene	**	**	--	--	--	--	--	--	<0.58	<0.67	<0.67	<0.67	<0.67	--	<0.80
sec-butyl Benzene	**	**	--	--	--	--	--	--	<0.62	<0.89	<0.89	<0.89	<0.89	--	<0.85
Styrene	100	10	--	--	--	--	--	--	<0.62	<0.86	<0.86	<0.86	<0.86	--	<0.47
Toluene	1,000	200	< 0.5	0.28 J	< 0.5	X	X	X	0.84	<0.67	<0.67	<0.67	<0.67	0.36 J	<0.17
Trichloroethene	5	0.5	< 0.5	< 0.5	< 0.5	**6.20**	**5.60**	3.0t	**12.0**	**28.0**	**31.0**	**45.0**	**68.0**	**5.2**	**0.67J**
Vinyl Chloride	0.2	0.02	--	--	--	X	X	X	<0.11	<0.18	<0.18	<0.18	<0.18	--	<0.17
Xylenes	10,000	1,000	< 0.5	< 0.5	< 0.5	X	X	X	<1.83	<2.63	<2.63	<2.63	<2.63	< 0.5	<0.47

Notes
(µg/L) = micrograms per Liter; -- = not analyzed;
< = not detected above method detection limit;
J = concentration between detection limit and reporting limit;
GW = Groundwater
NE = Not Established;
VOCs = Volatile Organic Compounds;
[1] NR 140 PAL = Chapter NR 140, Wisconsin Administrative Code, Preventive Action Limit;
[2] NR 140 ES = Chapter NR 140, Wisconsin Administrative Code, Enforcement Standard;
[3]Only detected analytes are listed; refer to laboratory analytical report for full list of assessed
Exceeds NR 140 ES standards **100**
Exceeds NR 140 PAL standards ***100***
* - Analysis done by Wisconsin State Laboratory of Hygiene, all others by Mitkem
D - Duplicate
M - Matric Spike Duplicate
MD - Matric Spike Duplicate
NS - Not Sampled

TABLE 1
GROUNDWATER MONITORING WELL ANALYTICAL RESULTS
LAKEWOOD DX STATION / PELKY DX STATION
LAKEWOOD, WISCONSIN
EPA Number WID 988566220

Monitoring Well ►			**MW9***	**MW9A***	**MW10**		**MW11**	**MW12A**	**MW13**	**MW14***	**MW14B***	**MW14B* D**	**MW15A**	**MW15B**
Sampling Date ►			9/20/2011	9/20/2011	9/20/2011	7/19/2019	9/20/2011	9/20/2011	9/20/2011	9/20/2011	9/20/2011	9/20/2011	9/20/2011	9/20/2011
Screen Depth (ft) ►			27 to 37	53 to 58	7 to 17		9 to 19	40 to 45	3 to 13	7 to 22	95 to 100	95 to 100	47 to 52	136 to 141
Field Parameters														
Depth to Water (ft)														
Groundwater Elevation (ft MSL)														
Depth to Well Bottom (ft)														
pH														
Temperature (°C)														
Specific Conductance (uS/cm)														
Dissolved Oxygen (mg/L)														
VOCs (µg/L) ▼	**NR 140 PAL[1]**	**NR 140 ES[2]**							Well Dry					
1,1,1-TCA	200	40	--	--	--	< 0.24	--	--	--	--	--	--	--	--
1,1,2-TCA	5	0.5	--	--	--	< 0.55	--	--	--	--	--	--	--	--
1,1-DCA	850	85	--	--	--	< 0.28	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	480	96	--	--	--	< 0.84	--	--	--	--	--	--	--	--
1,2-DCA	5	0.5	--	--	--	< 0.28	--	--	--	--	--	--	--	--
1,2-Dichloro Propoane	5	0.5	--	--	--	< 0.28	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	480	96	--	--	--	< 0.87	--	--	--	--	--	--	--	--
Acetone	9 mg/L	1.8 mg/L	< 3.0	< 3.0	< 5.0	--	< 5.0	< 5.0	NS	<3.0	6	<3.0	< 5.0	< 5.0
Benzene	5	0.5	<0.5	<0.5	< 0.5	< 0.25	< 0.5	< 0.5	NS	<0.5	<0.5	<0.5	< 0.5	< 0.5
Chlorobenzene	NE	NE	<0.5	<0.5	< 0.5	< 0.71	< 0.5	< 0.5	NS	<0.5	<0.5	<0.5	< 0.5	< 0.5
Cyclohexane	NE	NE	--	--	< 0.5	--	< 0.5	< 0.5	NS	--	--	--	< 0.5	1.2
1,1-Dichloroethene	70	7	<0.5	<0.5	< 0.5	< 0.24	< 0.5	< 0.5	NS	<0.5	<0.5	<0.5	< 0.5	< 0.5
cis-1,2-Dichlorethene	70	7	<0.5	<0.5	< 0.5	< 0.27	< 0.5	< 0.5	NS	<0.5	<0.5	<0.5	< 0.5	3.6
trans-1,2-Dichloroethene	100	20	<0.5	<0.5	< 0.5	< 1.1	< 0.5	< 0.5	NS	<0.5	<0.5	<0.5	< 0.5	7.4
Ethylbenzene	700	140	<0.5	<0.5	< 0.5	< 0.22	< 0.5	< 0.5	NS	<0.5	<0.5	<0.5	< 0.5	< 0.5
Isopropylbenzene	**	**	<0.5	<0.5	< 0.5	< 0.39	< 0.5	< 0.5	NS	<0.5	<0.5	<0.5	< 0.5	< 0.5
Methylcyclohexane	NE	NE	--	--	< 0.5	--	< 0.5	< 0.5	NS	--	--	--	< 0.5	1
MethyleneChloride	5	0.5	--	--	--	< 0.58	--	--	--	--	--	--	--	--
Naphthalene	40	8	--	--	--	< 1.2	--	--	--	--	--	--	--	--
n-butyl Benzene	**	**	--	--	--	< 0.71	--	--	--	--	--	--	--	--
n-Propylbenzene	**	**	--	--	--	< 0.81	--	--	--	--	--	--	--	--
p-Isopropyltoluene	**	**	--	--	--	< 0.80	--	--	--	--	--	--	--	--
sec-butyl Benzene	**	**	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	100	10	--	--	--	< 0.47	--	--	--	--	--	--	--	--
Toluene	1,000	200	<0.5	<0.5	< 0.5	< 0.17	< 0.5	0.35 J	NS	<0.5	1.1	<0.5	< 0.5	0.38 J
Trichloroethene	5	0.5	<0.5	<0.5	< 0.5	< 0.26	< 0.5	< 0.5	NS	<0.5	<0.5	<0.5	< 0.5	3.5
Vinyl Chloride	0.2	0.02	--	--	--	< 0.17	--	--	--	--	--	--	--	--
Xylenes	10,000	1,000	<1.0	<1.0	< 0.5	< 0.47	< 0.5	< 0.5	NS	<1.0	<1.0	<1.0	< 0.5	< 0.5

Notes

(µg/L) = micrograms per Liter; -- = not analyzed;
< = not detected above method detection limit;
J = concentration between detection limit and reporting limit;
GW = Groundwater
NE = Not Established;
VOCs = Volatile Organic Compounds;
[1] NR 140 PAL = Chapter NR 140, Wisconsin Administrative Code, Preventive Action Limit;
[2] NR 140 ES = Chapter NR 140, Wisconsin Administrative Code, Enforcement Standard;
[3]Only detected analytes are listed; refer to laboratory analytical report for full list of assessed
Exceeds NR 140 ES standards **100**
Exceeds NR 140 PAL standards ***100***
* - Analysis done by Wisconsin State Laboratory of Hygiene, all others by Mitkem
D - Duplicate
M - Matric Spike Duplicate
MD - Matric Spike Duplicate
NS - Not Sampled

TABLE 1
GROUNDWATER MONITORING WELL ANALYTICAL RESULTS
LAKEWOOD DX STATION / PELKY DX STATION
LAKEWOOD, WISCONSIN
EPA Number WID 988566220

Monitoring Well ►			**MW16A***	**MW16B***	**MW17**	**MW17A**	**MW-17B**					
Sampling Date ►			9/20/2011	9/20/2011	9/20/2011	9/20/2011	06/10/03	09/24/03	12/10/03	05/04/04	9/20/2011	7/19/2019
Screen Depth (ft) ►			44 to 49	137 to 142	5 to 20	54 to 59	95 to 100					
Field Parameters												
Depth to Water (ft)												4.8
Groundwater Elevation (ft MSL)												1241.55
Depth to Well Bottom (ft)												102.45
pH												7.77
Temperature (°C)												14.7
Specific Conductance (uS/cm)												358.1
Dissolved Oxygen (mg/L)												4.54
VOCs (µg/L) ▼	**NR 140 PAL[1]**	**NR 140 ES[2]**										
1,1,1-TCA	200	40	--	--	--	--	<0.90	<0.90	<0.90	<0.90	--	< 0.24
1,1,2-TCA	5	0.5	--	--	--	--	<0.42	<0.42	<0.42	<0.42	--	< 0.55
1,1-DCA	850	85	--	--	--	--	<0.75	<0.75	<0.75	<0.75	--	< 0.27
1,2,4-Trimethylbenzene	480	96	--	--	--	--	<0.97	<0.97	<0.97	<0.97	--	< 0.84
1,2-DCA	5	0.5	--	--	--	--	<0.36	<0.36	<0.36	<0.36	--	< 0.28
1,2-Dichloro Propoane	5	0.5	--	--	--	--	<0.46	<0.46	<0.46	<0.46	--	< 0.28
1,3,5-Trimethylbenzene	480	96	--	--	--	--	<0.83	<0.83	<0.83	<0.83	--	< 0.87
Acetone	9 mg/L	1.8 mg/L	<3.0	<3.0	< 5.0	< 5.0	--	--	--	--	< 5.0	--
Benzene	5	0.5	<0.5	<0.5	< 0.5	< 0.5	1.5	0.9	1.1	3.0	1.2	< 0.25
Chlorobenzene	NE	NE	<0.5	<0.5	< 0.5	< 0.5	--	--	--	--	< 0.5	< 0.71
Cyclohexane	NE	NE	--	--	< 0.5	< 0.5	--	--	--	--	< 0.5	--
1,1-Dichloroethene	70	7	<0.5	<0.5	< 0.5	< 0.5	--	--	--	--	< 0.5	< 0.24
cis-1,2-Dichlorethene	70	7	<0.5	<0.5	< 0.5	< 0.5	1.0	<0.83	<0.83	<0.83	0.58 J	< 0.27
trans-1,2-Dichloroethene	100	20	<0.5	<0.5	< 0.5	< 0.5	1.1	<0.89	<0.89	<0.89	0.26 J	< 1.1
Ethylbenzene	700	140	<0.5	<0.5	< 0.5	< 0.5	<0.54	<0.54	<0.54	<0.54	< 0.5	< 0.22
Isopropylbenzene	**	**	<0.5	<0.5	< 0.5	< 0.5	<0.59	<0.59	<0.59	<0.59	0.24 J	< 0.39
Methylcyclohexane	NE	NE	--	--	< 0.5	< 0.5	--	--	--	--	< 0.5	--
MethyleneChloride	5	0.5	--	--	--	--	<0.43	<0.43	<0.43	<0.43	--	< 0.58
Naphthalene	40	8	--	--	--	--	<0.74	<0.74	<0.74	<0.74	--	< 1.2
n-butyl Benzene	**	**	--	--	--	--	<0.93	<0.93	<0.93	<0.93	--	< 0.71
n-Propylbenzene	**	**	--	--	--	--	<0.81	<0.81	<0.81	<0.81	--	< 0.81
p-Isopropyltoluene	**	**	--	--	--	--	<0.67	<0.67	<0.67	<0.67	--	< 0.80
sec-butyl Benzene	**	**	--	--	--	--	<0.89	<0.89	<0.89	<0.89	--	--
Styrene	100	10	--	--	--	--	<0.86	<0.86	<0.86	<0.86	--	< 0.47
Toluene	1,000	200	<0.5	1.4	< 0.5	0.57	1.6	3.3	0.99t	0.8t	0.77	< 0.17
Trichloroethene	5	0.5	<0.5	<0.5	< 0.5	< 0.5	2.7	<0.48	0.6	0.7	0.25 J	< 0.26
Vinyl Chloride	0.2	0.02	--	--	--	--	<0.18	<0.18	<0.18	<0.18	--	< 0.17
Xylenes	10,000	1,000	<1.0	<1.0	< 0.5	< 0.5	<2.63	<2.63	<2.63	<2.63	< 0.5	< 0.47

Notes
(µg/L) = micrograms per Liter; -- = not analyzed;
< = not detected above method detection limit;
J = concentration between detection limit and reporting limit;
GW = Groundwater
NE = Not Established;
VOCs = Volatile Organic Compounds;
[1] NR 140 PAL = Chapter NR 140, Wisconsin Administrative Code, Preventive Action Limit;
[2] NR 140 ES = Chapter NR 140, Wisconsin Administrative Code, Enforcement Standard;
[3]Only detected analytes are listed; refer to laboratory analytical report for full list of assessed
Exceeds NR 140 ES standards **100**
Exceeds NR 140 PAL standards ***100***
* - Analysis done by Wisconsin State Laboratory of Hygiene, all others by Mitkem
D - Duplicate
M - Matric Spike Duplicate
MD - Matric Spike Duplicate
NS - Not Sampled

TABLE 1
GROUNDWATER MONITORING WELL ANALYTICAL RESULTS
LAKEWOOD DX STATION / PELKY DX STATION
LAKEWOOD, WISCONSIN
EPA Number WID 988566220

Monitoring Well ►			**MW18A**	**MW18B**	**MW19A**	**MW19B**
Sampling Date ►			9/20/2011	9/20/2011	9/20/2011	9/20/2011
Screen Depth (ft) ►			55 to 60	85 to 90	46 to 51	112 to 117
Field Parameters						
Depth to Water (ft)						
Groundwater Elevation (ft MSL)						
Depth to Well Bottom (ft)						
pH						
Temperature (°C)						
Specific Conductance (uS/cm)						
Dissolved Oxygen (mg/L)						
VOCs (µg/L) ▼	**NR 140 PAL[1]**	**NR 140 ES[2]**				
1,1,1-TCA	200	40	--	--	--	--
1,1,2-TCA	5	0.5	--	--	--	--
1,1-DCA	850	85	--	--	--	--
1,2,4-Trimethylbenzene	480	96	--	--	--	--
1,2-DCA	5	0.5	--	--	--	--
1,2-Dichloro Propoane	5	0.5	--	--	--	--
1,3,5-Trimethylbenzene	480	96	--	--	--	--
Acetone	9 mg/L	1.8 mg/L	< 5.0	9.7	< 5.0	< 5.0
Benzene	5	0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene	NE	NE	< 0.5	< 0.5	< 0.5	< 0.5
Cyclohexane	NE	NE	< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloroethene	70	7	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-Dichlorethene	70	7	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-Dichloroethene	100	20	< 0.5	< 0.5	< 0.5	< 0.5
Ethylbenzene	700	140	< 0.5	< 0.5	< 0.5	< 0.5
Isopropylbenzene	**	**	< 0.5	< 0.5	< 0.5	< 0.5
Methylcyclohexane	NE	NE	< 0.5	< 0.5	< 0.5	< 0.5
MethyleneChloride	5	0.5	--	--	--	--
Naphthalene	40	8	--	--	--	--
n-butyl Benzene	**	**	--	--	--	--
n-Propylbenzene	**	**	--	--	--	--
p-Isopropyltoluene	**	**	--	--	--	--
sec-butyl Benzene	**	**	--	--	--	--
Styrene	100	10	--	--	--	--
Toluene	1,000	200	0.24 J	0.34 J	0.26 J	0.36 J
Trichloroethene	5	0.5	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl Chloride	0.2	0.02	--	--	--	--
Xylenes	10,000	1,000	< 0.5	< 0.5	< 0.5	< 0.5

Notes
(µg/L) = micrograms per Liter; -- = not analyzed;
< = not detected above method detection limit;
J = concentration between detection limit and reporting limit;
GW = Groundwater
NE = Not Established;
VOCs = Volatile Organic Compounds;
[1] NR 140 PAL = Chapter NR 140, Wisconsin Administrative Code, Preventive Action Limit;
[2] NR 140 ES = Chapter NR 140, Wisconsin Administrative Code, Enforcement Standard;
[3]Only detected analytes are listed; refer to laboratory analytical report for full list of assessed
Exceeds NR 140 ES standards **100**
Exceeds NR 140 PAL standards ***100***
* - Analysis done by Wisconsin State Laboratory of Hygiene, all others by Mitkem
D - Duplicate
M - Matric Spike Duplicate
MD - Matric Spike Duplicate
NS - Not Sampled

TABLE 2
POTABLE WELL ANALYTICAL RESULTS
LAKEWOOD DX STATION / PELKY DX STATION
LAKEWOOD, WISCONSIN

Potable Well ►		PW1	PW2	PW3					PW4			PW5			
		9/20/2011	9/20/2011	9/20/2011	9/20/2011 M	9/20/2011 MD	11/2/2011*	7/19/2019	9/20/2011*	11/2/2011*	7/19/2019	9/20/2011	9/20/2011 M	9/20/2011 MD	11/2/2011*
VOCs (µg/L) ▼	▼MCLs														
Benzene	5	< 0.5	< 0.5	< 0.5	4.3	4.8	<0.5	< 0.25	<0.5	<0.5	< 0.25	< 0.5	4.6	4.5	<0.5
Chlorobenzene	NE	< 0.5	< 0.5	< 0.5	4.0	4.4	<0.5	< 0.71	<0.5	<0.5	< 0.71	< 0.5	4.3	4.3	<0.5
Chloroform	NE	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<0.5	< 1.3	<0.5	<0.5	< 1.3	< 0.5	< 0.5	< 0.5	<0.5
Chloromethane	NE	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<1.0	< 2.2	<1.0	<1.0	< 2.2	< 0.5	< 0.5	< 0.5	<1.0
Cyclohexane	NE	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 0.5	NA
1,1-Dichloroethane	NE	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<0.5	< 0.27	<0.5	<0.5	< 0.27	< 0.5	< 0.5	< 0.5	<0.5
1,1-Dichloroethene	7	< 0.5	< 0.5	< 0.5	4.0	4.2	<0.5	< 0.24	<0.5	<0.5	< 0.24	< 0.5	4.0	4.4	<0.5
cis-1,2-Dichloroethene	70	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<0.5	0.67 J	<0.5	<0.5	< 0.27	< 0.5	< 0.5	< 0.5	<0.5
Ethylbenzene	700	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<0.5	< 0.22	<0.5	<0.5	< 0.22	< 0.5	< 0.5	< 0.5	<0.5
Isopropylbenzene	NE	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<0.5	< 0.39	<0.5	<0.5	< 0.39	< 0.5	< 0.5	< 0.5	<0.5
Methylcyclohexane	NE	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 0.5	NA
N-Propylbenzene	NE	NA	NA	NA	NA	NA	<0.5	< 0.81	<0.5	<0.5	< 0.81	NA	NA	NA	<0.5
Toluene	1,000	< 0.5	< 0.5	< 0.5	4.5	4.9	<0.5	< 0.17	<0.5	<0.5	< 0.17	< 0.5	4.8	4.7	<0.5
Trichloroethene	5	< 0.5	< 0.5	0.21 J	**5.2**	**5.4**	<0.5	0.34 J	<0.5	<0.5	< 0.26	0.33	**5.5**	**5.5**	0.89
Xylenes	10 mg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<0.5	< 0.47	<0.5	<0.5	< 0.47	< 0.5	< 0.5	< 0.5	<0.5

VOC - Volatile Organic Compounds
ug/L - Microgram per liter
mg/L - Milligram per liter
MCL - NR 809 Maximum Contaminant Level
NE - Not Established
NA - Not Analyzed
J = concentration between detection limit and reporting limit;
M - Matric Spike Duplicate
MD - Matric Spike Duplicate
D - Duplicate
< 0.5 - Concentration below shown level of detection
NS - Not Sampled
Bold - Detected concentration at or above NR 809 MCL
***** - Analysis done by Wisconsin State Laboratory of Hygiene, all other analysis done by Mitkem Laboratories or Pace Analytical

TABLE 2
POTABLE WELL ANALYTICAL RESULTS
LAKEWOOD DX STATION / PELKY DX STATION
LAKEWOOD, WISCONSIN

Potable Well ►		**PW6**			**PW7**	**PW8**	**PW9**	**PW10**			**PW11***	**PW12**	**PW13***		**PW14**	**PW15**
		9/20/2011*	11/2/2011*	7/19/2019	7/19/2019	7/19/2019	9/20/2011	9/20/2011	9/20/2011 D	7/19/2019	9/20/2011	Capped	9/20/2011*	9/20/2011* D	9/20/2011	Capped
VOCs (µg/L) ▼	**▼MCLs**															
Benzene	5	<0.5	<0.5	< 0.25	<0.25	<0.25	< 0.5	< 0.5	< 13	<0.25	<0.5	NS	<0.5	<0.5	< 0.5	NS
Chlorobenzene	NE	<0.5	<0.5	< 0.71	<0.71	<0.71	< 0.5	< 0.5	< 13	<0.71	<0.5	NS	<0.5	<0.5	< 0.5	NS
Chloroform	NE	<0.5	<0.5	< 1.3	<1.3	<1.3	< 0.5	< 0.5	< 13	<1.3	<0.5	NS	<0.5	<0.5	< 0.5	NS
Chloromethane	NE	<1.0	<1.0	< 2.2	<2.2	<2.2	< 0.5	< 0.5	< 13	<2.2	<1.0	NS	<1.0	<1.0	< 0.5	NS
Cyclohexane	NE	NA	NA	NA	NA	NA	< 0.5	0.25 J	< 13	NA	NA	NS	NA	NA	< 0.5	NS
1,1-Dichloroethane	NE	<0.5	<0.5	< 0.27	<0.27	<0.27	< 0.5	< 0.5	< 13	<0.27	<0.5	NS	<0.5	<0.5	< 0.5	NS
1,1-Dichloroethene	7	<0.5	<0.5	< 0.24	<0.24	<0.24	< 0.5	< 0.5	< 13	<0.24	<0.5	NS	<0.5	<0.5	< 0.5	NS
cis-1,2-Dichloroethene	70	<0.5	<0.5	2.8	1.7	<0.27	< 0.5	0.67	< 13	<0.27	<0.5	NS	<0.5	<0.5	< 0.5	NS
Ethylbenzene	700	<0.5	<0.5	0.33 J	<0.22	<0.22	< 0.5	< 0.5	< 13	<0.22	<0.5	NS	<0.5	<0.5	< 0.5	NS
Isopropylbenzene	NE	<0.5	<0.5	1.1 J	<0.39	<0.39	< 0.5	< 0.5	< 13	<0.39	<0.5	NS	<0.5	<0.5	< 0.5	NS
Methylcyclohexane	NE	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 13	NA	NA	NS	NA	NA	< 0.5	NS
N-Propylbenzene	NE	<0.5	<0.5	< 0.81	<0.81	<0.81	NA	NA	NA	<0.81	<0.5	NS	<0.5	<0.5	NA	NS
Toluene	1,000	<0.5	<0.5	< 0.17	<0.17	<0.17	< 0.5	< 0.5	< 13	<0.17	<0.5	NS	<0.5	<0.5	< 0.5	NS
Trichloroethene	5	<0.5	<0.5	0.66 J	1.3	<0.26	< 0.5	**220 J**	**230**	<0.26	<0.5	NS	<0.5	<0.5	< 0.5	NS
Xylenes	10 mg/L	<0.5	<0.5	< 0.47	<0.47	<0.47	< 0.5	< 0.5	< 13	<0.47	<0.5	NS	<0.5	<0.5	< 0.5	NS

VOC - Volatile Organic Compounds
ug/L - Microgram per liter
mg/L - Milligram per liter
MCL - NR 809 Maximum Contaminant Level
NE - Not Established
NA - Not Analyzed
J = concentration between detection limit and reporting limit;
M - Matric Spike Duplicate
MD - Matric Spike Duplicate
D - Duplicate
< 0.5 - Concentration below shown level of detection
NS - Not Sampled
Bold - Detected concentration at or above NR 809 MCL
***** - Analysis done by Wisconsin State Laboratory of Hygiene, all other analysis done by Mitkem Laboratories or Pace Analytical

TABLE 2
POTABLE WELL ANALYTICAL RESULTS
LAKEWOOD DX STATION / PELKY DX STATION
LAKEWOOD, WISCONSIN

Potable Well ►		PW16	PW17			PW18*		PW19	PW20					
		9/20/2011	9/20/2011	9/20/2011 D	11/2/2011*	9/20/2011*	11/2/2011*	9/20/2011	9/20/2011	9/20/2011 D	9/20/2011 D	9/20/2011 D	11/2/2011*	7/19/2019
VOCs (µg/L) ▼	▼MCLs													
Benzene	5	< 0.5	< 0.5	< 0.5	<0.5	<0.5	<0.5	< 0.5	0.5 J	0.53 J	0.47 J	0.51 J	1.3	< 0.25
Chlorobenzene	NE	< 0.5	< 0.5	< 0.5	<0.5	<0.5	<0.5	< 0.5	< 0.5	< 1.3	< 0.5	< 1.3	<0.5	< 0.71
Chloroform	NE	< 0.5	< 0.5	< 0.5	<0.5	<0.5	<0.5	< 0.5	< 0.5	< 1.3	< 0.5	< 1.3	<0.5	< 1.3
Chloromethane	NE	< 0.5	< 0.5	< 0.5	<1.0	<1.0	<1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<1.0	< 2.2
Cyclohexane	NE	< 0.5	0.87	0.78	NA	NA	NA	< 0.5	1.8	1.9	1.6	1.8	NA	NA
1,1-Dichloroethane	NE	< 0.5	< 0.5	< 0.5	<0.5	<0.5	<0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<0.5	< 0.27
1,1-Dichloroethene	7	< 0.5	< 0.5	< 0.5	<0.5	<0.5	<0.5	< 0.5	< 0.5	< 1.3	< 0.5	< 1.3	<0.5	< 0.24
cis-1,2-Dichloroethene	70	< 0.5	0.39	0.37 J	1.1	<0.5	<0.5	< 0.5	< 0.5	< 1.3	< 0.5	< 1.3	<0.5	20.7
Ethylbenzene	700	< 0.5	< 0.5	< 0.5	<0.5	<0.5	<0.5	< 0.5	0.21 J	< 1.3	0.2 J	< 1.3	0.5	0.25 J
Isopropylbenzene	NE	< 0.5	< 0.5	< 0.5	1.3	<0.5	<0.5	< 0.5	< 0.5	< 1.3	< 0.5	< 1.3	<0.5	< 0.39
Methylcyclohexane	NE	< 0.5	0.52	0.57	NA	NA	NA	< 0.5	< 0.5	< 1.3	< 0.5	< 1.3	NA	NA
N-Propylbenzene	NE	NA	NA	NA	0.85	<0.5	<0.5	NA	NA	NA	NA	NA	<0.5	< 0.81
Toluene	1,000	< 0.5	< 0.5	< 0.5	<0.5	<0.5	<0.5	< 0.5	< 0.5	< 1.3	< 0.5	< 1.3	<0.5	< 0.17
Trichloroethene	5	< 0.5	0.97	1.1	3.2	<0.5	<0.5	< 0.5	**30 J**	**32**	**29 J**	**29 J**	**86.0**	**9.6**
Xylenes	10 mg/L	< 0.5	< 0.5	< 0.5	<0.5	<0.5	<0.5	< 0.5	0.21 J	< 1.3	0.22 J	< 1.3	<0.5	< 0.47

VOC - Volatile Organic Compounds
ug/L - Microgram per liter
mg/L - Milligram per liter
MCL - NR 809 Maximum Contaminant Level
NE - Not Established
NA - Not Analyzed
J = concentration between detection limit and reporting limit;
M - Matric Spike Duplicate
MD - Matric Spike Duplicate
D - Duplicate
< 0.5 - Concentration below shown level of detection
NS - Not Sampled
Bold - Detected concentration at or above NR 809 MCL
***** - Analysis done by Wisconsin State Laboratory of Hygiene, all other analysis done by Mitkem Laboratories or Pace Analytical

TABLE 2
POTABLE WELL ANALYTICAL RESULTS
LAKEWOOD DX STATION / PELKY DX STATION
LAKEWOOD, WISCONSIN

Potable Well ►		PW21				PW22	PW23	PW24	PW25	PW26	PW27	PW28	PW29	PW30	PW31	PW32	PW33
		9/20/2011*	11/2/2011*	7/19/2019	7/19/19 D	9/20/2011	9/20/2011	9/20/2011	No Access	No Access	9/21/2011	9/20/2011	9/20/2011	No Well	9/21/2011	9/21/2011	9/21/2011
VOCs (µg/L) ▼	▼MCLs												Shared Well►◄Shared Well				
Benzene	5	<0.5	<0.5	< 0.25	< 0.25	< 0.5	< 0.5	< 0.5	NS	NS	< 0.5	< 0.5	< 0.5	NS	< 0.5	< 0.5	< 0.5
Chlorobenzene	NE	<0.5	<0.5	< 0.71	< 0.71	< 0.5	< 0.5	< 0.5	NS	NS	< 0.5	< 0.5	< 0.5	NS	< 0.5	< 0.5	< 0.5
Chloroform	NE	<0.5	0.61	< 1.3	< 1.3	< 0.5	< 0.5	< 0.5	NS	NS	< 0.5	< 0.5	< 0.5	NS	< 0.5	< 0.5	< 0.5
Chloromethane	NE	<1.0	<1.0	< 2.2	< 2.2	< 0.5	< 0.5	< 0.5	NS	NS	< 0.5	< 0.5	< 0.5	NS	< 0.5	< 0.5	0.27 J
Cyclohexane	NE	NA	NA	NA	NA	< 0.5	< 0.5	< 0.5	NS	NS	0.65	< 0.5	< 0.5	NS	< 0.5	< 0.5	< 0.5
1,1-Dichloroethane	NE	<0.5	<0.5	< 0.27	< 0.27	< 0.5	< 0.5	< 0.5	NS	NS	0.59	< 0.5	< 0.5	NS	< 0.5	< 0.5	< 0.5
1,1-Dichloroethene	7	<0.5	<0.5	< 0.24	< 0.24	< 0.5	< 0.5	< 0.5	NS	NS	< 0.5	< 0.5	< 0.5	NS	< 0.5	< 0.5	< 0.5
cis-1,2-Dichloroethene	70	<0.5	<0.5	< 0.27	< 0.27	< 0.5	< 0.5	< 0.5	NS	NS	< 0.5	< 0.5	< 0.5	NS	< 0.5	< 0.5	< 0.5
Ethylbenzene	700	<0.5	<0.5	< 0.22	< 0.22	< 0.5	< 0.5	< 0.5	NS	NS	< 0.5	< 0.5	< 0.5	NS	< 0.5	< 0.5	< 0.5
Isopropylbenzene	NE	<0.5	<0.5	< 0.39	< 0.39	< 0.5	< 0.5	< 0.5	NS	NS	< 0.5	< 0.5	< 0.5	NS	< 0.5	< 0.5	< 0.5
Methylcyclohexane	NE	NA	NA	NA	NA	< 0.5	< 0.5	< 0.5	NS	NS	1.4	< 0.5	< 0.5	NS	< 0.5	< 0.5	< 0.5
N-Propylbenzene	NE	<0.5	<0.5	< 0.81	< 0.81	NA	NA	NA	NS	NS	NA	NA	NA	NS	NA	NA	NA
Toluene	1,000	<0.5	<0.5	< 0.17	< 0.17	< 0.5	< 0.5	< 0.5	NS	NS	< 0.5	< 0.5	< 0.5	NS	< 0.5	< 0.5	< 0.5
Trichloroethene	5	**8.9**	**8.2**	< 0.26	< 0.26	< 0.5	< 0.5	0.21 J	NS	NS	< 0.5	< 0.5	< 0.5	NS	< 0.5	< 0.5	< 0.5
Xylenes	10 mg/L	<0.5	<0.5	< 0.47	< 0.47	< 0.5	< 0.5	< 0.5	NS	NS	< 0.5	< 0.5	< 0.5	NS	< 0.5	< 0.5	< 0.5

VOC - Volatile Organic Compounds
ug/L - Microgram per liter
mg/L - Milligram per liter
MCL - NR 809 Maximum Contaminant Level
NE - Not Established
NA - Not Analyzed
J = concentration between detection limit and reporting limit;
M - Matric Spike Duplicate
MD - Matric Spike Duplicate
D - Duplicate
< 0.5 - Concentration below shown level of detection
NS - Not Sampled
Bold - Detected concentration at or above NR 809 MCL
***** - Analysis done by Wisconsin State Laboratory of Hygiene, all other analysis done by Mitkem Laboratories or Pace Analytical

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

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.: 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
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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
(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								
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

Page 1 of 1

40191648

CHAIN OF CUSTODY

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

(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:	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) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOCs	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
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 1033

PACE Project No.
40191648

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 # 40191648

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

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

Lab Lot# of pH paper: Lab Std #ID of preservation (if pH adjusted): Initial when completed: Date/ Time:

Pace Lab #	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)
	Glass							Plastic							Vials						Jars			General									
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
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

5/23/19

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:	

F-GB-C-046-Rev.02 (29Mar2018) Sample Preservation Receipt Form

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

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

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

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:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
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.: 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

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.: 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

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								
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
(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								
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
(920)469-2436

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
Green Bay, WI 54302
(920)469-2436

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
(920)469-2436

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	

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.: 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	

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.: 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	

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.: 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			

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.: 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

Page 1 of 1

4019647

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 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	MW-5	7/19/19	9:35	GW	N	B	X			
002	MW-5A	7/19/19	10:15	GW	N	B	X			
003	MW-5B	7/19/19	10:25	GW	N	B	X			
	MW-5 MS	7/19/19	9:45	GW	N	B	X			
	MW-5 MSD	7/19/19	10:00	GW	N	B	X			
004	Trip Blank	7/19/19	8:40		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.
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

Client Name: GEI

Sample Preservation Receipt Form

Project # 4019647

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															2.5 / 5 / 10
002																		2															2.5 / 5 / 10
003																		2															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
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

2/20/19 SEC

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

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: ROT /Corr:

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

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

Person examining contents:
Date: 7-22-19
Initials: 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:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
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.: 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

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-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

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-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

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

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	

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

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.: 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			

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.: 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		

(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:

Pace Analytical®
www.pacelabs.com

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

4019652

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

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-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 = 6.1 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal* Present / Not Present
Intact / Not Intact*

C019a(27Jun2006)
Version 6.0 06/14/06
ORIGINAL

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

Sample Preservation Receipt Form

Client Name: GEI

Project # 40191652

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

Initial when completed:

Date/ Time:

Lab Lot# of pH paper:

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

Pace Lab #	Glass							Plastic							Vials						Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤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									3						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#: 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

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

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

REPORT OF LABORATORY ANALYSIS

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.: 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
Green Bay, WI 54302
(920)469-2436

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

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
Green Bay, WI 54302
(920)469-2436

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	

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.: 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	

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.: 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
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(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

4019653

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:	190234.14
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
Sl = 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 #
001	MW-17B	7/19/19	13:30	GW	N	B	VOCs			

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:	Relinquished By:	Date/Time:	Received By:	Date/Time:
		7/22/19 8:30		7/22/19 0855
Transmit Prelim Rush Results by (complete what you want):	Relinquished By:	Date/Time:	Received By:	Date/Time:
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:				

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

PACE Project No. 4019653

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 # 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
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

7/24/19 SAV

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: [signature] **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

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	

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								
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		

Pace Analytical®
www.pacelabs.com

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

CHAIN OF CUSTODY

40191654

*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
Sl = 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	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:

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.
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 Initial when completed: Date/ Time:

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

Pace Lab #	Glass: AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	Plastic: BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	Vials: DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	Jars: JGFU	WGFU	WPFU	General: 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
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

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: [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.: 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

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.: 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	

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

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.: 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

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-6	7/19/19	10:37	GW	N	B	X	(Pre)		

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:	Relinquished By:	Date/Time:	Received By:	Date/Time:
		7/22/2019 8:30		7/23/19 0830
Transmit Prelim Rush Results by (complete what you want):	Relinquished By:	Date/Time:	Received By:	Date/Time:
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:				

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

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

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

Sample Preservation Receipt Form

Client Name: GEI

Project # 40191650

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

Initial when completed:

Date/ Time:

Lab Lot# of pH paper:

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

	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#: 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:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
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

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								
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	

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.: 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	

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.: 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	

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.: 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			

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.: 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		

Pace Analytical®
www.pacelabs.com

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

4019164 9

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:	1907344
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) — Y/N: N
PRESERVATION (CODE)* — Pick Letter: B
Analyses Requested: VOCs

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	PW-10	7/19/19	11:13	GW	X	(Pre-Treatment)	

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		7/24/19 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. 4019164 9

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 # 4019649

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			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
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							
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

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

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

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.: 40191651

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

REPORT OF LABORATORY ANALYSIS

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.: 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

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-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

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-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

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-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

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-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

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								
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	

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.: 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	

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.: 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	

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.: 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

4019651

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:	190234
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) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOCs	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	PW-20	7/19/19	12:10	GW		N / B	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		7/22/0830
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.
4019651

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

C019a(27Jun2006)

Version 6.0 06/14/06

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):

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																																	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

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