

June 6, 2018

Jeff Ackerman  
Project Manager  
Wisconsin Department of Natural Resources  
3911 Fish Hatchery Road  
Fitchburg, WI 53711

**RE: Transmittal of Groundwater Monitoring Results – May 2018**  
Getzen Musical Instruments, Inc.  
530 South County Highway H  
Elkhorn, Wisconsin  
BRRTS# 02-65-245978  
FID# 265006720

Dear Mr. Ackerman:

This report documents the results of the first of two groundwater sample events completed in accordance with the *Site Investigation Work Plan* submitted to the Wisconsin Department of Natural Resources (WDNR) on April 13, 2018 and approved by WDNR in an electronic correspondence dated May 1, 2018. This report is submitted in general accordance with NR 724.17(3)(m) (“Long-term monitoring”).

### **Groundwater Monitoring Well Network**

The groundwater monitoring well network, including Site and off-Site groundwater monitoring wells, is depicted on attached **Figure 1**. The groundwater monitoring well network will be evaluated during groundwater monitoring and any changes, including the rationale for the changes, will be documented in subsequent reports.

### **Sampling Methods**

Groundwater samples were collected using low-flow sampling methods in general accordance with the *Groundwater Sampling Desk Reference* (WDNR 1996). Prior to sampling, each monitoring well was opened and the static groundwater level was measured with an electronic water level indicator.

Getzen Musical Instruments, Inc.

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Page 2

Collected groundwater samples were immediately placed in laboratory supplied containers and placed in a cooler with ice for submittal to the laboratory. The samples were submitted to Pace Analytical Services, Inc. (Pace) under standard chain of custody procedures.

The groundwater samples were analyzed for volatile organic compounds (VOCs) using EPA method 8260, total organic carbon (TOC) using EPA method 9060, and methane, ethane and ethene using EPA method 8015B.

Quality control samples included one duplicate sample (MW-5) and a trip blank. The quality control samples were submitted for VOC analysis.

## Results

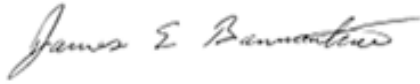
The groundwater elevation data are summarized in attached **Table 1** and a groundwater table elevation contour map is provided as attached **Figure 2**.

The laboratory analytical results are summarized in attached **Table 2** and the laboratory analytical report is attached. **Table 2** provides a comparison of the laboratory analytical results to NR 140 groundwater quality standards.

The duplicate sample results were within 10% of the primary sample results for each of the detected compounds in the duplicate samples, except for trans-1,2-dichloroethene and vinyl chloride which were within 38% and 12% respectively of the primary sample. VOCs were not detected in the trip blank, verifying that the samples were free from contamination during transport.

Please contact us with any questions.

Sincerely,

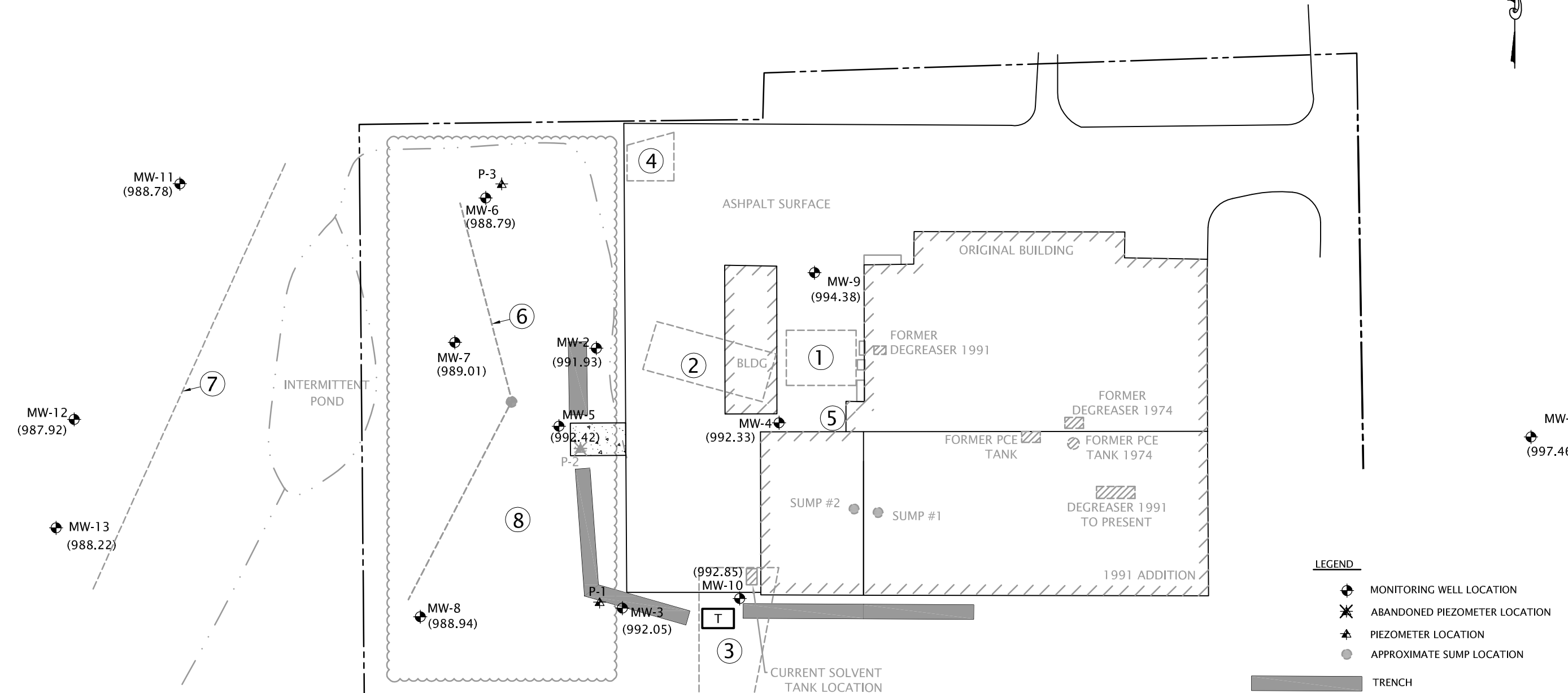


Jim Bannantine, P.G.  
Senior Geologist

cc: Brett Getzen, President, Getzen Musical Instruments, Inc.

Jeff Ackerman, Wisconsin Department of Natural Resources

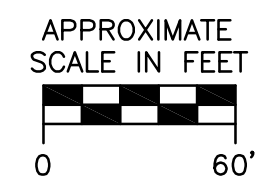
Attachments: as noted



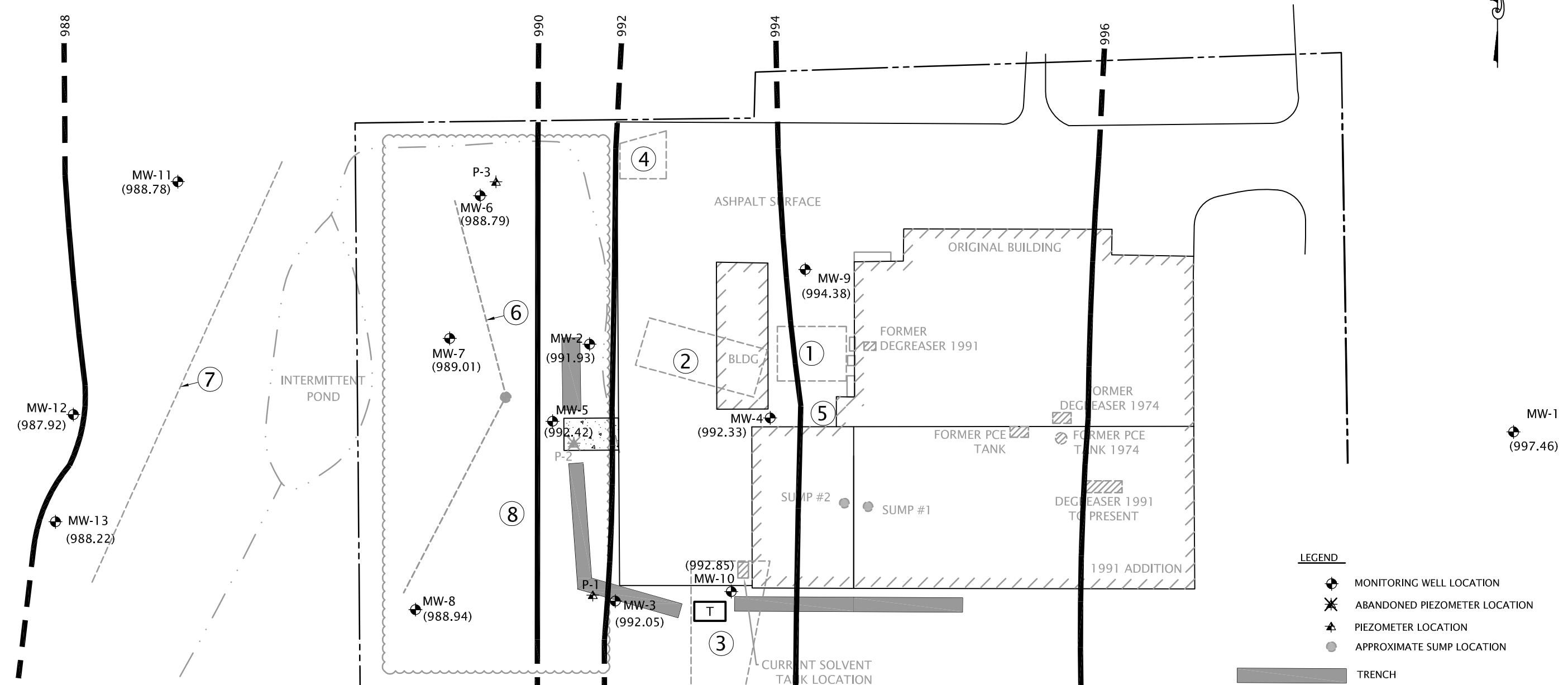
- LEGEND**
- MONITORING WELL LOCATION
  - ABANDONED PIEZOMETER LOCATION
  - PIEZOMETER LOCATION
  - APPROXIMATE SUMP LOCATION
  - TRENCH
  - EXISTING BUILDING
  - APPROXIMATE PROPERTY LINE
  - GROUNDWATER ELEVATION CONTOUR
  - GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)

**NOTES:**

- ① APPROXIMATE LOCATION OF FORMER WASTEWATER TREATMENT LAGOON (WWTL) #1, CONSTRUCTED IN THE LATE 1950s, CLOSED BETWEEN 1963 AND 1973
- ② APPROXIMATE LOCATION OF FORMER WWTL #2, CONSTRUCTED IN 1962, CLOSED IN APPROXIMATELY 1974, APPROXIMATELY 190 TONS OF RESIDUAL MATERIAL REMOVED IN 1996
- ③ APPROXIMATE LOCATION OF FORMER WWTL #3, CLOSED IN 1983, APPROXIMATELY 350 CY OF RESIDUAL MATERIAL REMOVED AT TIME OF CLOSURE
- ④ APPROXIMATE LOCATION OF FORMER BURN PIT, APPROXIMATELY 80 CY OF RESIDUAL MATERIAL REMOVED IN 1991
- ⑤ APPROXIMATE LOCATION OF FORMER SUMP DISCHARGE, PRACTICE CEASED IN 1992 WHEN PCE DETECTED IN SUMP DISCHARGE
- ⑥ APPROXIMATE LOCATION OF FORMER GROUNDWATER EXTRACTION SYSTEM (COLLECTION TRENCH AND EXTRACTION WELL), INSTALLED IN 1996, OPERATED BETWEEN JULY 1997 AND FEBRUARY 1998
- ⑦ APPROXIMATE LOCATION OF OXYGEN RELEASE COMPOUND (ORC) APPLICATION (WITHIN 62 BORINGS)
- ⑧ LOCATION OF 200 POPULAR TREES PLANTED IN 2003 (PHYTOREMEDIATION AREA)



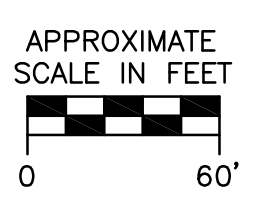
<b>Geosyntec</b> consultants		
CLIENT:	GETZEN COMPANY, INC.	
PROJECT:	GETZEN COMPANY, INC. SITE 530 SOUTH COUNTY HIGHWAY H ELKHORN, WISCONSIN	
TITLE:	GROUNDWATER ELEVATION CONTOUR MAP	
PROJECT:	CHW8297	FIGURE NO.: 2
DATE:	May 17, 2018	FILE NO.: 2018-05 G 020
DRAWING NO.:	1 OF 2	



- NOTES:**
- ① APPROXIMATE LOCATION OF FORMER WASTEWATER TREATMENT LAGOON (WWTL) #1, CONSTRUCTED IN THE LATE 1950s, CLOSED BETWEEN 1963 AND 1973
  - ② APPROXIMATE LOCATION OF FORMER WWTL #2, CONSTRUCTED IN 1962, CLOSED IN APPROXIMATELY 1974, APPROXIMATELY 190 TONS OF RESIDUAL MATERIAL REMOVED IN 1996
  - ③ APPROXIMATE LOCATION OF FORMER WWTL #3, CLOSED IN 1983, APPROXIMATELY 350 CY OF RESIDUAL MATERIAL REMOVED AT TIME OF CLOSURE
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  - ⑧ LOCATION OF 200 POPULAR TREES PLANTED IN 2003 (PHYTOREMEDIATION AREA)

**LEGEND**

- MONITORING WELL LOCATION
- ABANDONED PIEZOMETER LOCATION
- PIEZOMETER LOCATION
- APPROXIMATE SUMP LOCATION
- TRENCH
- EXISTING BUILDING
- APPROXIMATE PROPERTY LINE
- GROUNDWATER ELEVATION CONTOUR
- (988.22) GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)



<b>Geosyntec</b> consultants		
CLIENT:	GETZEN COMPANY, INC.	
PROJECT:	GETZEN COMPANY, INC. SITE 530 SOUTH COUNTY HIGHWAY H ELKHORN, WISCONSIN	
TITLE:	GROUNDWATER ELEVATION CONTOUR MAP	
PROJECT: CHW8297	FIGURE NO.: 2	DRAWING NO.:
DATE: May 17, 2018	FILE NO.: 2018-05 G 020	1 OF 2

TABLE 1  
 Summary of Groundwater Elevation Measurements  
 The Getzen Company  
 Elkhorn, Wisconsin  
 BRRTS# 02-65-245978

Location	Date	Northing (ft)	Easting (ft)	TOC Elevation	Ground Elevation	Well Depth	Screen Length	Groundwater Depth TOC	Groundwater Elevation
MW-1	5/2/2018	244,900.86	2,397,624.78	1002.16	999.17	17.28	10.00	4.70	997.46
MW-2	5/2/2018	244,948.88	2,397,133.69	996.03	993.11	17.66	10.00	4.10	991.93
MW-3	5/2/2018	244,805.80	2,397,145.55	997.3	994.18	19.19	10.00	5.25	992.05
MW-4	5/2/2018	244,907.34	2,397,242.08	993.78	995.50	17.10	10.00	1.45	992.33
MW-5	5/2/2018	244,904.27	2,397,114.88	995.71	993.13	16.65	10.00	5.29	990.42
MW-6	5/2/2018	245,030.60	2,397,063.14	994.52	991.95	17.20	10.00	5.73	988.79
MW-7	5/2/2018	244,955.66	2,397,049.48	994.94	992.23	17.65	10.00	5.93	989.01
MW-8	5/2/2018	244,803.49	2,397,023.68	993.83	991.53	17.05	10.00	4.89	988.94
MW-9	5/2/2018	244,987.69	2,397,262.54	995.88	996.24	12.60	10.00	1.50	994.38
MW-10	5/2/2018	244,812.89	2,397,215.06	996.65	996.64	13.95	10.00	3.80	992.85
MW-11	5/2/2018	245,036.26	2,396,911.18	994.27	991.78	18.24	10.00	5.49	988.78
MW-12	5/2/2018	244,919.04	2,396,818.86	993.88	991.21	18.17	10.00	5.96	987.92
MW-13	5/2/2018	244,859.28	2,396,806.74	993.55	990.55	18.44	10.00	5.33	988.22
P-1	5/2/2018	244,807.81	2,397,132.69	995.47	992.85	32.25	5.00	3.74	991.73
P-3	5/2/2018	245,039.07	2,397,063.45	994.61	992.03	32.25	5.00	3.82	990.79



May 15, 2018

Jim Bannantine  
GEOSYNTEC CONSULTANTS  
10600 North Port Washington Rd  
Suite 100  
Thiensville, WI 53092

RE: Project: GETZEN  
Pace Project No.: 40168620

Dear Jim Bannantine:

Enclosed are the analytical results for sample(s) received by the laboratory on May 04, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Brian Basten  
brian.basten@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: Jeremiah Johnson, GEOSYNTEC CONSULTANTS



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
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## CERTIFICATIONS

Project: GETZEN

Pace Project No.: 40168620

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### Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: GETZEN  
Pace Project No.: 40168620

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40168620001	MW-1	Water	05/02/18 13:25	05/04/18 14:15
40168620002	MW-2	Water	05/03/18 13:10	05/04/18 14:15
40168620003	MW-3	Water	05/03/18 17:00	05/04/18 14:15
40168620004	MW-4	Water	05/04/18 07:45	05/04/18 14:15
40168620005	MW-5	Water	05/01/18 14:00	05/04/18 14:15
40168620006	MW-5 DUP	Water	05/03/18 14:00	05/04/18 14:15
40168620007	MW-6	Water	05/02/18 15:05	05/04/18 14:15
40168620008	MW-7	Water	05/02/18 15:55	05/04/18 14:15
40168620009	MW-8	Water	05/03/18 15:00	05/04/18 14:15
40168620010	MW-9	Water	05/02/18 17:00	05/04/18 14:15
40168620011	MW-10	Water	05/03/18 17:35	05/04/18 14:15
40168620012	MW-11	Water	05/02/18 12:10	05/04/18 14:15
40168620013	MW-12	Water	05/02/18 11:25	05/04/18 14:15
40168620014	MW-13	Water	05/02/18 10:40	05/04/18 14:15
40168620015	P-1	Water	05/03/18 16:05	05/04/18 14:15
40168620016	P-3	Water	05/02/18 14:15	05/04/18 14:15
40168620017	TRIP BLANK	Water	05/03/18 00:00	05/04/18 14:15

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: GETZEN  
Pace Project No.: 40168620

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40168620001	MW-1	EPA 8260	HNW	64
40168620002	MW-2	EPA 8015B Modified	ALD	3
		EPA 8260	HNW	64
		SM 5310C	TJJ	1
40168620003	MW-3	EPA 8015B Modified	ALD	3
		EPA 8260	HNW	64
		SM 5310C	TJJ	1
40168620004	MW-4	EPA 8015B Modified	ALD	3
		EPA 8260	HNW	64
		SM 5310C	TJJ	1
40168620005	MW-5	EPA 8015B Modified	ALD	3
		EPA 8260	HNW	64
		SM 5310C	TJJ	1
40168620006	MW-5 DUP	EPA 8260	HNW	64
40168620007	MW-6	EPA 8015B Modified	ALD	3
		EPA 8260	HNW	64
		SM 5310C	TJJ	1
40168620008	MW-7	EPA 8015B Modified	ALD	3
		EPA 8260	HNW	64
		SM 5310C	TJJ	1
40168620009	MW-8	EPA 8015B Modified	ALD	3
		EPA 8260	HNW	64
		SM 5310C	TJJ	1
40168620010	MW-9	EPA 8015B Modified	ALD	3
		EPA 8260	HNW	64
		SM 5310C	TJJ	1
40168620011	MW-10	EPA 8015B Modified	ALD	3
		EPA 8260	HNW	64
		SM 5310C	TJJ	1
40168620012	MW-11	EPA 8260	HNW	64
40168620013	MW-12	EPA 8260	HNW	64
40168620014	MW-13	EPA 8260	HNW	64
40168620015	P-1	EPA 8015B Modified	ALD	3
		EPA 8260	HNW	64
		SM 5310C	TJJ	1
40168620016	P-3	EPA 8015B Modified	ALD	3
		EPA 8260	HNW	64

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: GETZEN  
Pace Project No.: 40168620

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Lab ID	Sample ID	Method	Analysts	Analytes Reported
		SM 5310C	TJJ	1
40168620017	TRIP BLANK	EPA 8260	LAP	64

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

**Sample: MW-1**      **Lab ID: 40168620001**      Collected: 05/02/18 13:25      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		05/08/18 15:55	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/08/18 15:55	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/08/18 15:55	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/08/18 15:55	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/08/18 15:55	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/08/18 15:55	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 15:55	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/08/18 15:55	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/08/18 15:55	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/08/18 15:55	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 15:55	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/08/18 15:55	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/08/18 15:55	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/08/18 15:55	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/08/18 15:55	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/08/18 15:55	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/08/18 15:55	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/08/18 15:55	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/08/18 15:55	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/08/18 15:55	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 15:55	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 15:55	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 15:55	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/08/18 15:55	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/08/18 15:55	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/08/18 15:55	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/08/18 15:55	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/08/18 15:55	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/08/18 15:55	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/08/18 15:55	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/08/18 15:55	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/08/18 15:55	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/08/18 15:55	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/08/18 15:55	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/08/18 15:55	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/08/18 15:55	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 15:55	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/08/18 15:55	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/08/18 15:55	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/08/18 15:55	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/08/18 15:55	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/08/18 15:55	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/08/18 15:55	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 15:55	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		05/08/18 15:55	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/08/18 15:55	630-20-6	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

**Sample: MW-1**      **Lab ID: 40168620001**      Collected: 05/02/18 13:25      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/08/18 15:55	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/08/18 15:55	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		05/08/18 15:55	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/08/18 15:55	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/08/18 15:55	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/08/18 15:55	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/08/18 15:55	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/08/18 15:55	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/08/18 15:55	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/08/18 15:55	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 15:55	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 15:55	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/08/18 15:55	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/08/18 15:55	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/08/18 15:55	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	61-130		1		05/08/18 15:55	460-00-4	
Dibromofluoromethane (S)	107	%	67-130		1		05/08/18 15:55	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		05/08/18 15:55	2037-26-5	

**Sample: MW-2**      **Lab ID: 40168620002**      Collected: 05/03/18 13:10      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b> Analytical Method: EPA 8015B Modified									
Ethane	132	ug/L	5.6	0.58	1		05/14/18 11:01	74-84-0	
Ethene	327	ug/L	5.0	0.52	1		05/14/18 11:01	74-85-1	
Methane	3840	ug/L	70.0	34.2	25		05/14/18 13:57	74-82-8	
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	0.68J	ug/L	1.0	0.50	1		05/08/18 16:17	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/08/18 16:17	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/08/18 16:17	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/08/18 16:17	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/08/18 16:17	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/08/18 16:17	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 16:17	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/08/18 16:17	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/08/18 16:17	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/08/18 16:17	56-23-5	
Chlorobenzene	0.67J	ug/L	1.0	0.50	1		05/08/18 16:17	108-90-7	
Chloroethane	6.1	ug/L	1.0	0.37	1		05/08/18 16:17	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/08/18 16:17	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/08/18 16:17	74-87-3	

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## ANALYTICAL RESULTS

Project: GETZEN

Pace Project No.: 40168620

**Sample: MW-2**      **Lab ID: 40168620002**      Collected: 05/03/18 13:10      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/08/18 16:17	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/08/18 16:17	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/08/18 16:17	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/08/18 16:17	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/08/18 16:17	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/08/18 16:17	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 16:17	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 16:17	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 16:17	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/08/18 16:17	75-71-8	
1,1-Dichloroethane	15.5	ug/L	1.0	0.24	1		05/08/18 16:17	75-34-3	
1,2-Dichloroethane	249	ug/L	1.0	0.17	1		05/08/18 16:17	107-06-2	
1,1-Dichloroethene	79.1	ug/L	1.0	0.41	1		05/08/18 16:17	75-35-4	
cis-1,2-Dichloroethene	7360	ug/L	50.0	12.8	50		05/09/18 11:35	156-59-2	
trans-1,2-Dichloroethene	62.4	ug/L	1.0	0.26	1		05/08/18 16:17	156-60-5	
1,2-Dichloropropane	63.2	ug/L	1.0	0.23	1		05/08/18 16:17	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/08/18 16:17	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/08/18 16:17	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/08/18 16:17	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/08/18 16:17	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/08/18 16:17	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/08/18 16:17	108-20-3	
Ethylbenzene	2.1	ug/L	1.0	0.50	1		05/08/18 16:17	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/08/18 16:17	87-68-3	
Isopropylbenzene (Cumene)	0.22J	ug/L	1.0	0.14	1		05/08/18 16:17	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/08/18 16:17	99-87-6	
Methylene Chloride	2.1	ug/L	1.0	0.23	1		05/08/18 16:17	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/08/18 16:17	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/08/18 16:17	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 16:17	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		05/08/18 16:17	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/08/18 16:17	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/08/18 16:17	79-34-5	
Tetrachloroethene	3180	ug/L	50.0	25.0	50		05/09/18 11:35	127-18-4	
Toluene	9.5	ug/L	1.0	0.50	1		05/08/18 16:17	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/08/18 16:17	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/08/18 16:17	120-82-1	
1,1,1-Trichloroethane	2.6	ug/L	1.0	0.50	1		05/08/18 16:17	71-55-6	
1,1,2-Trichloroethane	2.3	ug/L	1.0	0.20	1		05/08/18 16:17	79-00-5	
Trichloroethene	3150	ug/L	50.0	16.5	50		05/09/18 11:35	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/08/18 16:17	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/08/18 16:17	96-18-4	
1,2,4-Trimethylbenzene	0.88J	ug/L	1.0	0.50	1		05/08/18 16:17	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 16:17	108-67-8	
Vinyl chloride	1420	ug/L	50.0	8.8	50		05/09/18 11:35	75-01-4	
m&p-Xylene	2.3	ug/L	2.0	1.0	1		05/08/18 16:17	179601-23-1	

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### ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

**Sample: MW-2**      **Lab ID: 40168620002**      Collected: 05/03/18 13:10      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
o-Xylene	2.4	ug/L	1.0	0.50	1		05/08/18 16:17	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	61-130		1		05/08/18 16:17	460-00-4	
Dibromofluoromethane (S)	107	%	67-130		1		05/08/18 16:17	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		05/08/18 16:17	2037-26-5	
<b>5310C TOC</b> Analytical Method: SM 5310C									
Total Organic Carbon	2.3	mg/L	1.7	0.50	2		05/10/18 23:44	7440-44-0	

**Sample: MW-3**      **Lab ID: 40168620003**      Collected: 05/03/18 17:00      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b> Analytical Method: EPA 8015B Modified									
Ethane	2.8J	ug/L	5.6	0.58	1		05/14/18 11:08	74-84-0	
Ethene	5.0	ug/L	5.0	0.52	1		05/14/18 11:08	74-85-1	
Methane	398	ug/L	7.0	3.4	2.5		05/14/18 14:03	74-82-8	
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<5.0	ug/L	10.0	5.0	10		05/08/18 21:01	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		05/08/18 21:01	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		05/08/18 21:01	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		05/08/18 21:01	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		05/08/18 21:01	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		05/08/18 21:01	74-83-9	
n-Butylbenzene	<5.0	ug/L	10.0	5.0	10		05/08/18 21:01	104-51-8	
sec-Butylbenzene	<21.9	ug/L	50.0	21.9	10		05/08/18 21:01	135-98-8	
tert-Butylbenzene	<1.8	ug/L	10.0	1.8	10		05/08/18 21:01	98-06-6	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		05/08/18 21:01	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		05/08/18 21:01	108-90-7	
Chloroethane	<3.7	ug/L	10.0	3.7	10		05/08/18 21:01	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		05/08/18 21:01	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		05/08/18 21:01	74-87-3	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		05/08/18 21:01	95-49-8	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		05/08/18 21:01	106-43-4	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		05/08/18 21:01	96-12-8	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		05/08/18 21:01	124-48-1	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		05/08/18 21:01	106-93-4	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		05/08/18 21:01	74-95-3	
1,2-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		05/08/18 21:01	95-50-1	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		05/08/18 21:01	541-73-1	
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		05/08/18 21:01	106-46-7	
Dichlorodifluoromethane	<2.2	ug/L	10.0	2.2	10		05/08/18 21:01	75-71-8	
1,1-Dichloroethane	<2.4	ug/L	10.0	2.4	10		05/08/18 21:01	75-34-3	

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### ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

**Sample: MW-3**      **Lab ID: 40168620003**      Collected: 05/03/18 17:00      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
1,2-Dichloroethane	<1.7	ug/L	10.0	1.7	10		05/08/18 21:01	107-06-2	
1,1-Dichloroethene	<4.1	ug/L	10.0	4.1	10		05/08/18 21:01	75-35-4	
cis-1,2-Dichloroethene	915	ug/L	10.0	2.6	10		05/08/18 21:01	156-59-2	
trans-1,2-Dichloroethene	19.3	ug/L	10.0	2.6	10		05/08/18 21:01	156-60-5	
1,2-Dichloropropane	15.7	ug/L	10.0	2.3	10		05/08/18 21:01	78-87-5	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		05/08/18 21:01	142-28-9	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		05/08/18 21:01	594-20-7	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		05/08/18 21:01	563-58-6	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		05/08/18 21:01	10061-01-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		05/08/18 21:01	10061-02-6	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		05/08/18 21:01	108-20-3	
Ethylbenzene	<5.0	ug/L	10.0	5.0	10		05/08/18 21:01	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		05/08/18 21:01	87-68-3	
Isopropylbenzene (Cumene)	<1.4	ug/L	10.0	1.4	10		05/08/18 21:01	98-82-8	
p-Isopropyltoluene	<5.0	ug/L	10.0	5.0	10		05/08/18 21:01	99-87-6	
Methylene Chloride	<2.3	ug/L	10.0	2.3	10		05/08/18 21:01	75-09-2	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		05/08/18 21:01	1634-04-4	
Naphthalene	<25.0	ug/L	50.0	25.0	10		05/08/18 21:01	91-20-3	
n-Propylbenzene	<5.0	ug/L	10.0	5.0	10		05/08/18 21:01	103-65-1	
Styrene	<5.0	ug/L	10.0	5.0	10		05/08/18 21:01	100-42-5	
1,1,1,2-Tetrachloroethane	<1.8	ug/L	10.0	1.8	10		05/08/18 21:01	630-20-6	
1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		05/08/18 21:01	79-34-5	
Tetrachloroethene	<5.0	ug/L	10.0	5.0	10		05/08/18 21:01	127-18-4	
Toluene	<5.0	ug/L	10.0	5.0	10		05/08/18 21:01	108-88-3	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		05/08/18 21:01	87-61-6	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		05/08/18 21:01	120-82-1	
1,1,1-Trichloroethane	<5.0	ug/L	10.0	5.0	10		05/08/18 21:01	71-55-6	
1,1,2-Trichloroethane	<2.0	ug/L	10.0	2.0	10		05/08/18 21:01	79-00-5	
Trichloroethene	<3.3	ug/L	10.0	3.3	10		05/08/18 21:01	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		05/08/18 21:01	75-69-4	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		05/08/18 21:01	96-18-4	
1,2,4-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		05/08/18 21:01	95-63-6	
1,3,5-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		05/08/18 21:01	108-67-8	
Vinyl chloride	102	ug/L	10.0	1.8	10		05/08/18 21:01	75-01-4	
m&p-Xylene	<10.0	ug/L	20.0	10.0	10		05/08/18 21:01	179601-23-1	
o-Xylene	<5.0	ug/L	10.0	5.0	10		05/08/18 21:01	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	61-130		10		05/08/18 21:01	460-00-4	
Dibromofluoromethane (S)	109	%	67-130		10		05/08/18 21:01	1868-53-7	
Toluene-d8 (S)	100	%	70-130		10		05/08/18 21:01	2037-26-5	
<b>5310C TOC</b> Analytical Method: SM 5310C									
Total Organic Carbon	1.3	mg/L	0.84	0.25	1		05/11/18 00:05	7440-44-0	

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## ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

**Sample: MW-4**      **Lab ID: 40168620004**      Collected: 05/04/18 07:45      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>		Analytical Method: EPA 8015B Modified							
Ethane	9.4	ug/L	5.6	0.58	1		05/14/18 11:34	74-84-0	
Ethene	0.68J	ug/L	5.0	0.52	1		05/14/18 11:34	74-85-1	
Methane	1340	ug/L	28.0	13.7	10		05/14/18 15:23	74-82-8	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<1.2	ug/L	2.5	1.2	2.5		05/08/18 14:27	71-43-2	
Bromobenzene	<0.58	ug/L	2.5	0.58	2.5		05/08/18 14:27	108-86-1	
Bromochloromethane	<0.85	ug/L	2.5	0.85	2.5		05/08/18 14:27	74-97-5	
Bromodichloromethane	<1.2	ug/L	2.5	1.2	2.5		05/08/18 14:27	75-27-4	
Bromoform	<1.2	ug/L	2.5	1.2	2.5		05/08/18 14:27	75-25-2	
Bromomethane	<6.1	ug/L	12.5	6.1	2.5		05/08/18 14:27	74-83-9	
n-Butylbenzene	<1.2	ug/L	2.5	1.2	2.5		05/08/18 14:27	104-51-8	
sec-Butylbenzene	<5.5	ug/L	12.5	5.5	2.5		05/08/18 14:27	135-98-8	
tert-Butylbenzene	<0.45	ug/L	2.5	0.45	2.5		05/08/18 14:27	98-06-6	
Carbon tetrachloride	<1.2	ug/L	2.5	1.2	2.5		05/08/18 14:27	56-23-5	
Chlorobenzene	<1.2	ug/L	2.5	1.2	2.5		05/08/18 14:27	108-90-7	
Chloroethane	<0.94	ug/L	2.5	0.94	2.5		05/08/18 14:27	75-00-3	
Chloroform	<6.2	ug/L	12.5	6.2	2.5		05/08/18 14:27	67-66-3	
Chloromethane	<1.2	ug/L	2.5	1.2	2.5		05/08/18 14:27	74-87-3	
2-Chlorotoluene	<1.2	ug/L	2.5	1.2	2.5		05/08/18 14:27	95-49-8	
4-Chlorotoluene	<0.53	ug/L	2.5	0.53	2.5		05/08/18 14:27	106-43-4	
1,2-Dibromo-3-chloropropane	<5.4	ug/L	12.5	5.4	2.5		05/08/18 14:27	96-12-8	
Dibromochloromethane	<1.2	ug/L	2.5	1.2	2.5		05/08/18 14:27	124-48-1	
1,2-Dibromoethane (EDB)	<0.44	ug/L	2.5	0.44	2.5		05/08/18 14:27	106-93-4	
Dibromomethane	<1.1	ug/L	2.5	1.1	2.5		05/08/18 14:27	74-95-3	
1,2-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		05/08/18 14:27	95-50-1	
1,3-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		05/08/18 14:27	541-73-1	
1,4-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		05/08/18 14:27	106-46-7	
Dichlorodifluoromethane	<0.56	ug/L	2.5	0.56	2.5		05/08/18 14:27	75-71-8	
1,1-Dichloroethane	<0.60	ug/L	2.5	0.60	2.5		05/08/18 14:27	75-34-3	
1,2-Dichloroethane	4.4	ug/L	2.5	0.42	2.5		05/08/18 14:27	107-06-2	
1,1-Dichloroethene	1.8J	ug/L	2.5	1.0	2.5		05/08/18 14:27	75-35-4	
cis-1,2-Dichloroethene	102	ug/L	2.5	0.64	2.5		05/08/18 14:27	156-59-2	
trans-1,2-Dichloroethene	1.5J	ug/L	2.5	0.64	2.5		05/08/18 14:27	156-60-5	
1,2-Dichloropropane	<0.58	ug/L	2.5	0.58	2.5		05/08/18 14:27	78-87-5	
1,3-Dichloropropane	<1.2	ug/L	2.5	1.2	2.5		05/08/18 14:27	142-28-9	
2,2-Dichloropropane	<1.2	ug/L	2.5	1.2	2.5		05/08/18 14:27	594-20-7	
1,1-Dichloropropene	<1.1	ug/L	2.5	1.1	2.5		05/08/18 14:27	563-58-6	
cis-1,3-Dichloropropene	<1.2	ug/L	2.5	1.2	2.5		05/08/18 14:27	10061-01-5	
trans-1,3-Dichloropropene	<0.57	ug/L	2.5	0.57	2.5		05/08/18 14:27	10061-02-6	
Diisopropyl ether	<1.2	ug/L	2.5	1.2	2.5		05/08/18 14:27	108-20-3	
Ethylbenzene	<1.2	ug/L	2.5	1.2	2.5		05/08/18 14:27	100-41-4	
Hexachloro-1,3-butadiene	<5.3	ug/L	12.5	5.3	2.5		05/08/18 14:27	87-68-3	
Isopropylbenzene (Cumene)	<0.36	ug/L	2.5	0.36	2.5		05/08/18 14:27	98-82-8	
p-Isopropyltoluene	<1.2	ug/L	2.5	1.2	2.5		05/08/18 14:27	99-87-6	
Methylene Chloride	<0.58	ug/L	2.5	0.58	2.5		05/08/18 14:27	75-09-2	

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### ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

**Sample: MW-4**      **Lab ID: 40168620004**      Collected: 05/04/18 07:45      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Methyl-tert-butyl ether	<0.44	ug/L	2.5	0.44	2.5		05/08/18 14:27	1634-04-4	
Naphthalene	<6.2	ug/L	12.5	6.2	2.5		05/08/18 14:27	91-20-3	
n-Propylbenzene	<1.2	ug/L	2.5	1.2	2.5		05/08/18 14:27	103-65-1	
Styrene	<1.2	ug/L	2.5	1.2	2.5		05/08/18 14:27	100-42-5	
1,1,1,2-Tetrachloroethane	<0.45	ug/L	2.5	0.45	2.5		05/08/18 14:27	630-20-6	
1,1,2,2-Tetrachloroethane	<0.62	ug/L	2.5	0.62	2.5		05/08/18 14:27	79-34-5	
Tetrachloroethene	96.2	ug/L	2.5	1.2	2.5		05/08/18 14:27	127-18-4	
Toluene	<1.2	ug/L	2.5	1.2	2.5		05/08/18 14:27	108-88-3	
1,2,3-Trichlorobenzene	<5.3	ug/L	12.5	5.3	2.5		05/08/18 14:27	87-61-6	
1,2,4-Trichlorobenzene	<5.5	ug/L	12.5	5.5	2.5		05/08/18 14:27	120-82-1	
1,1,1-Trichloroethane	<1.2	ug/L	2.5	1.2	2.5		05/08/18 14:27	71-55-6	
1,1,2-Trichloroethane	<0.49	ug/L	2.5	0.49	2.5		05/08/18 14:27	79-00-5	
Trichloroethene	69.5	ug/L	2.5	0.83	2.5		05/08/18 14:27	79-01-6	
Trichlorofluoromethane	<0.46	ug/L	2.5	0.46	2.5		05/08/18 14:27	75-69-4	
1,2,3-Trichloropropane	<1.2	ug/L	2.5	1.2	2.5		05/08/18 14:27	96-18-4	
1,2,4-Trimethylbenzene	<1.2	ug/L	2.5	1.2	2.5		05/08/18 14:27	95-63-6	
1,3,5-Trimethylbenzene	<1.2	ug/L	2.5	1.2	2.5		05/08/18 14:27	108-67-8	
Vinyl chloride	46.5	ug/L	2.5	0.44	2.5		05/08/18 14:27	75-01-4	
m&p-Xylene	<2.5	ug/L	5.0	2.5	2.5		05/08/18 14:27	179601-23-1	
o-Xylene	<1.2	ug/L	2.5	1.2	2.5		05/08/18 14:27	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	61-130		2.5		05/08/18 14:27	460-00-4	
Dibromofluoromethane (S)	105	%	67-130		2.5		05/08/18 14:27	1868-53-7	
Toluene-d8 (S)	100	%	70-130		2.5		05/08/18 14:27	2037-26-5	

<b>5310C TOC</b> Analytical Method: SM 5310C									
Total Organic Carbon	0.38J	mg/L	0.84	0.25	1		05/11/18 00:25	7440-44-0	

**Sample: MW-5**      **Lab ID: 40168620005**      Collected: 05/01/18 14:00      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b> Analytical Method: EPA 8015B Modified									
Ethane	6.2	ug/L	5.6	0.58	1		05/14/18 11:41	74-84-0	
Ethene	3.6J	ug/L	5.0	0.52	1		05/14/18 11:41	74-85-1	
Methane	675	ug/L	14.0	6.8	5		05/14/18 15:30	74-82-8	
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<10.0	ug/L	20.0	10.0	20		05/08/18 15:33	71-43-2	
Bromobenzene	<4.6	ug/L	20.0	4.6	20		05/08/18 15:33	108-86-1	
Bromochloromethane	<6.8	ug/L	20.0	6.8	20		05/08/18 15:33	74-97-5	
Bromodichloromethane	<10.0	ug/L	20.0	10.0	20		05/08/18 15:33	75-27-4	
Bromoform	<10.0	ug/L	20.0	10.0	20		05/08/18 15:33	75-25-2	
Bromomethane	<48.7	ug/L	100	48.7	20		05/08/18 15:33	74-83-9	

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## ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

Sample: MW-5      Lab ID: 40168620005      Collected: 05/01/18 14:00      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
n-Butylbenzene	<10.0	ug/L	20.0	10.0	20		05/08/18 15:33	104-51-8	
sec-Butylbenzene	<43.7	ug/L	100	43.7	20		05/08/18 15:33	135-98-8	
tert-Butylbenzene	<3.6	ug/L	20.0	3.6	20		05/08/18 15:33	98-06-6	
Carbon tetrachloride	<10.0	ug/L	20.0	10.0	20		05/08/18 15:33	56-23-5	
Chlorobenzene	<10.0	ug/L	20.0	10.0	20		05/08/18 15:33	108-90-7	
Chloroethane	<7.5	ug/L	20.0	7.5	20		05/08/18 15:33	75-00-3	
Chloroform	<50.0	ug/L	100	50.0	20		05/08/18 15:33	67-66-3	
Chloromethane	<10.0	ug/L	20.0	10.0	20		05/08/18 15:33	74-87-3	
2-Chlorotoluene	<10.0	ug/L	20.0	10.0	20		05/08/18 15:33	95-49-8	
4-Chlorotoluene	<4.3	ug/L	20.0	4.3	20		05/08/18 15:33	106-43-4	
1,2-Dibromo-3-chloropropane	<43.3	ug/L	100	43.3	20		05/08/18 15:33	96-12-8	
Dibromochloromethane	<10.0	ug/L	20.0	10.0	20		05/08/18 15:33	124-48-1	
1,2-Dibromoethane (EDB)	<3.6	ug/L	20.0	3.6	20		05/08/18 15:33	106-93-4	
Dibromomethane	<8.5	ug/L	20.0	8.5	20		05/08/18 15:33	74-95-3	
1,2-Dichlorobenzene	<10.0	ug/L	20.0	10.0	20		05/08/18 15:33	95-50-1	
1,3-Dichlorobenzene	<10.0	ug/L	20.0	10.0	20		05/08/18 15:33	541-73-1	
1,4-Dichlorobenzene	<10.0	ug/L	20.0	10.0	20		05/08/18 15:33	106-46-7	
Dichlorodifluoromethane	<4.5	ug/L	20.0	4.5	20		05/08/18 15:33	75-71-8	
1,1-Dichloroethane	<4.8	ug/L	20.0	4.8	20		05/08/18 15:33	75-34-3	
1,2-Dichloroethane	<3.4	ug/L	20.0	3.4	20		05/08/18 15:33	107-06-2	
1,1-Dichloroethene	9.9J	ug/L	20.0	8.2	20		05/08/18 15:33	75-35-4	
cis-1,2-Dichloroethene	735	ug/L	20.0	5.1	20		05/08/18 15:33	156-59-2	
trans-1,2-Dichloroethene	9.5J	ug/L	20.0	5.1	20		05/08/18 15:33	156-60-5	
1,2-Dichloropropane	143	ug/L	20.0	4.7	20		05/08/18 15:33	78-87-5	
1,3-Dichloropropane	<10.0	ug/L	20.0	10.0	20		05/08/18 15:33	142-28-9	
2,2-Dichloropropane	<9.7	ug/L	20.0	9.7	20		05/08/18 15:33	594-20-7	
1,1-Dichloropropene	<8.8	ug/L	20.0	8.8	20		05/08/18 15:33	563-58-6	
cis-1,3-Dichloropropene	<10.0	ug/L	20.0	10.0	20		05/08/18 15:33	10061-01-5	
trans-1,3-Dichloropropene	<4.6	ug/L	20.0	4.6	20		05/08/18 15:33	10061-02-6	
Diisopropyl ether	<10.0	ug/L	20.0	10.0	20		05/08/18 15:33	108-20-3	
Ethylbenzene	<10.0	ug/L	20.0	10.0	20		05/08/18 15:33	100-41-4	
Hexachloro-1,3-butadiene	<42.1	ug/L	100	42.1	20		05/08/18 15:33	87-68-3	
Isopropylbenzene (Cumene)	<2.9	ug/L	20.0	2.9	20		05/08/18 15:33	98-82-8	
p-Isopropyltoluene	<10.0	ug/L	20.0	10.0	20		05/08/18 15:33	99-87-6	
Methylene Chloride	<4.7	ug/L	20.0	4.7	20		05/08/18 15:33	75-09-2	
Methyl-tert-butyl ether	<3.5	ug/L	20.0	3.5	20		05/08/18 15:33	1634-04-4	
Naphthalene	<50.0	ug/L	100	50.0	20		05/08/18 15:33	91-20-3	
n-Propylbenzene	<10.0	ug/L	20.0	10.0	20		05/08/18 15:33	103-65-1	
Styrene	<10.0	ug/L	20.0	10.0	20		05/08/18 15:33	100-42-5	
1,1,1,2-Tetrachloroethane	<3.6	ug/L	20.0	3.6	20		05/08/18 15:33	630-20-6	
1,1,1,2,2-Tetrachloroethane	<5.0	ug/L	20.0	5.0	20		05/08/18 15:33	79-34-5	
Tetrachloroethene	2660	ug/L	20.0	10.0	20		05/08/18 15:33	127-18-4	
Toluene	<10.0	ug/L	20.0	10.0	20		05/08/18 15:33	108-88-3	
1,2,3-Trichlorobenzene	<42.7	ug/L	100	42.7	20		05/08/18 15:33	87-61-6	
1,2,4-Trichlorobenzene	<44.2	ug/L	100	44.2	20		05/08/18 15:33	120-82-1	
1,1,1-Trichloroethane	<10.0	ug/L	20.0	10.0	20		05/08/18 15:33	71-55-6	

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## ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

**Sample: MW-5**      **Lab ID: 40168620005**      Collected: 05/01/18 14:00      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
1,1,2-Trichloroethane	<3.9	ug/L	20.0	3.9	20		05/08/18 15:33	79-00-5	
Trichloroethene	701	ug/L	20.0	6.6	20		05/08/18 15:33	79-01-6	
Trichlorofluoromethane	<3.7	ug/L	20.0	3.7	20		05/08/18 15:33	75-69-4	
1,2,3-Trichloropropane	<10.0	ug/L	20.0	10.0	20		05/08/18 15:33	96-18-4	
1,2,4-Trimethylbenzene	<10.0	ug/L	20.0	10.0	20		05/08/18 15:33	95-63-6	
1,3,5-Trimethylbenzene	<10.0	ug/L	20.0	10.0	20		05/08/18 15:33	108-67-8	
Vinyl chloride	89.7	ug/L	20.0	3.5	20		05/08/18 15:33	75-01-4	
m&p-Xylene	<20.0	ug/L	40.0	20.0	20		05/08/18 15:33	179601-23-1	
o-Xylene	<10.0	ug/L	20.0	10.0	20		05/08/18 15:33	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	61-130		20		05/08/18 15:33	460-00-4	
Dibromofluoromethane (S)	104	%	67-130		20		05/08/18 15:33	1868-53-7	
Toluene-d8 (S)	100	%	70-130		20		05/08/18 15:33	2037-26-5	
<b>5310C TOC</b> Analytical Method: SM 5310C									
Total Organic Carbon	0.54J	mg/L	0.84	0.25	1		05/11/18 01:07	7440-44-0	

**Sample: MW-5 DUP**      **Lab ID: 40168620006**      Collected: 05/03/18 14:00      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<5.0	ug/L	10.0	5.0	10		05/08/18 13:44	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		05/08/18 13:44	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		05/08/18 13:44	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		05/08/18 13:44	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		05/08/18 13:44	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		05/08/18 13:44	74-83-9	
n-Butylbenzene	<5.0	ug/L	10.0	5.0	10		05/08/18 13:44	104-51-8	
sec-Butylbenzene	<21.9	ug/L	50.0	21.9	10		05/08/18 13:44	135-98-8	
tert-Butylbenzene	<1.8	ug/L	10.0	1.8	10		05/08/18 13:44	98-06-6	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		05/08/18 13:44	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		05/08/18 13:44	108-90-7	
Chloroethane	<3.7	ug/L	10.0	3.7	10		05/08/18 13:44	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		05/08/18 13:44	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		05/08/18 13:44	74-87-3	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		05/08/18 13:44	95-49-8	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		05/08/18 13:44	106-43-4	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		05/08/18 13:44	96-12-8	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		05/08/18 13:44	124-48-1	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		05/08/18 13:44	106-93-4	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		05/08/18 13:44	74-95-3	
1,2-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		05/08/18 13:44	95-50-1	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		05/08/18 13:44	541-73-1	

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## ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

**Sample: MW-5 DUP**      **Lab ID: 40168620006**      Collected: 05/03/18 14:00      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		05/08/18 13:44	106-46-7	
Dichlorodifluoromethane	<2.2	ug/L	10.0	2.2	10		05/08/18 13:44	75-71-8	
1,1-Dichloroethane	<2.4	ug/L	10.0	2.4	10		05/08/18 13:44	75-34-3	
1,2-Dichloroethane	8.0J	ug/L	10.0	1.7	10		05/08/18 13:44	107-06-2	
1,1-Dichloroethene	9.1J	ug/L	10.0	4.1	10		05/08/18 13:44	75-35-4	
cis-1,2-Dichloroethene	688	ug/L	10.0	2.6	10		05/08/18 13:44	156-59-2	
trans-1,2-Dichloroethene	15.5	ug/L	10.0	2.6	10		05/08/18 13:44	156-60-5	
1,2-Dichloropropane	145	ug/L	10.0	2.3	10		05/08/18 13:44	78-87-5	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		05/08/18 13:44	142-28-9	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		05/08/18 13:44	594-20-7	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		05/08/18 13:44	563-58-6	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		05/08/18 13:44	10061-01-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		05/08/18 13:44	10061-02-6	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		05/08/18 13:44	108-20-3	
Ethylbenzene	<5.0	ug/L	10.0	5.0	10		05/08/18 13:44	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		05/08/18 13:44	87-68-3	
Isopropylbenzene (Cumene)	<1.4	ug/L	10.0	1.4	10		05/08/18 13:44	98-82-8	
p-Isopropyltoluene	<5.0	ug/L	10.0	5.0	10		05/08/18 13:44	99-87-6	
Methylene Chloride	<2.3	ug/L	10.0	2.3	10		05/08/18 13:44	75-09-2	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		05/08/18 13:44	1634-04-4	
Naphthalene	<25.0	ug/L	50.0	25.0	10		05/08/18 13:44	91-20-3	
n-Propylbenzene	<5.0	ug/L	10.0	5.0	10		05/08/18 13:44	103-65-1	
Styrene	<5.0	ug/L	10.0	5.0	10		05/08/18 13:44	100-42-5	
1,1,1,2-Tetrachloroethane	<1.8	ug/L	10.0	1.8	10		05/08/18 13:44	630-20-6	
1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		05/08/18 13:44	79-34-5	
Tetrachloroethene	2600	ug/L	10.0	5.0	10		05/08/18 13:44	127-18-4	
Toluene	<5.0	ug/L	10.0	5.0	10		05/08/18 13:44	108-88-3	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		05/08/18 13:44	87-61-6	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		05/08/18 13:44	120-82-1	
1,1,1-Trichloroethane	<5.0	ug/L	10.0	5.0	10		05/08/18 13:44	71-55-6	
1,1,2-Trichloroethane	<2.0	ug/L	10.0	2.0	10		05/08/18 13:44	79-00-5	
Trichloroethene	690	ug/L	10.0	3.3	10		05/08/18 13:44	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		05/08/18 13:44	75-69-4	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		05/08/18 13:44	96-18-4	
1,2,4-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		05/08/18 13:44	95-63-6	
1,3,5-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		05/08/18 13:44	108-67-8	
Vinyl chloride	78.2	ug/L	10.0	1.8	10		05/08/18 13:44	75-01-4	
m&p-Xylene	<10.0	ug/L	20.0	10.0	10		05/08/18 13:44	179601-23-1	
o-Xylene	<5.0	ug/L	10.0	5.0	10		05/08/18 13:44	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	90	%	61-130		10		05/08/18 13:44	460-00-4	
Dibromofluoromethane (S)	104	%	67-130		10		05/08/18 13:44	1868-53-7	
Toluene-d8 (S)	98	%	70-130		10		05/08/18 13:44	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

Sample: MW-6 Lab ID: 40168620007 Collected: 05/02/18 15:05 Received: 05/04/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>		Analytical Method: EPA 8015B Modified							
Ethane	<0.58	ug/L	5.6	0.58	1		05/14/18 11:48	74-84-0	
Ethene	1.1J	ug/L	5.0	0.52	1		05/14/18 11:48	74-85-1	
Methane	85.3	ug/L	2.8	1.4	1		05/14/18 11:48	74-82-8	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		05/08/18 21:23	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/08/18 21:23	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/08/18 21:23	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/08/18 21:23	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/08/18 21:23	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/08/18 21:23	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 21:23	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/08/18 21:23	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/08/18 21:23	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/08/18 21:23	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 21:23	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/08/18 21:23	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/08/18 21:23	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/08/18 21:23	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/08/18 21:23	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/08/18 21:23	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/08/18 21:23	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/08/18 21:23	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/08/18 21:23	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/08/18 21:23	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 21:23	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 21:23	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 21:23	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/08/18 21:23	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/08/18 21:23	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/08/18 21:23	107-06-2	
1,1-Dichloroethene	2.1	ug/L	1.0	0.41	1		05/08/18 21:23	75-35-4	
cis-1,2-Dichloroethene	97.9	ug/L	1.0	0.26	1		05/08/18 21:23	156-59-2	
trans-1,2-Dichloroethene	0.91J	ug/L	1.0	0.26	1		05/08/18 21:23	156-60-5	
1,2-Dichloropropane	0.42J	ug/L	1.0	0.23	1		05/08/18 21:23	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/08/18 21:23	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/08/18 21:23	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/08/18 21:23	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/08/18 21:23	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/08/18 21:23	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/08/18 21:23	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 21:23	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/08/18 21:23	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/08/18 21:23	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/08/18 21:23	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/08/18 21:23	75-09-2	

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### ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

Sample: MW-6 Lab ID: 40168620007 Collected: 05/02/18 15:05 Received: 05/04/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/08/18 21:23	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/08/18 21:23	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 21:23	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		05/08/18 21:23	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/08/18 21:23	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/08/18 21:23	79-34-5	
Tetrachloroethene	0.54J	ug/L	1.0	0.50	1		05/08/18 21:23	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		05/08/18 21:23	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/08/18 21:23	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/08/18 21:23	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/08/18 21:23	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/08/18 21:23	79-00-5	
Trichloroethene	1.6	ug/L	1.0	0.33	1		05/08/18 21:23	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/08/18 21:23	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/08/18 21:23	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 21:23	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 21:23	108-67-8	
Vinyl chloride	30.4	ug/L	1.0	0.18	1		05/08/18 21:23	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/08/18 21:23	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/08/18 21:23	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	90	%	61-130		1		05/08/18 21:23	460-00-4	
Dibromofluoromethane (S)	107	%	67-130		1		05/08/18 21:23	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		05/08/18 21:23	2037-26-5	
<b>5310C TOC</b> Analytical Method: SM 5310C									
Total Organic Carbon	2.0	mg/L	0.84	0.25	1		05/11/18 01:28	7440-44-0	

Sample: MW-7 Lab ID: 40168620008 Collected: 05/02/18 15:55 Received: 05/04/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b> Analytical Method: EPA 8015B Modified									
Ethane	<0.58	ug/L	5.6	0.58	1		05/14/18 11:55	74-84-0	
Ethene	<0.52	ug/L	5.0	0.52	1		05/14/18 11:55	74-85-1	
Methane	102	ug/L	2.8	1.4	1		05/14/18 11:55	74-82-8	
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:01	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/09/18 09:01	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/09/18 09:01	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 09:01	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/09/18 09:01	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/09/18 09:01	74-83-9	

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## ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

Sample: MW-7 Lab ID: 40168620008 Collected: 05/02/18 15:55 Received: 05/04/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:01	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/09/18 09:01	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/09/18 09:01	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/09/18 09:01	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:01	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/09/18 09:01	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/09/18 09:01	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 09:01	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:01	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/09/18 09:01	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/09/18 09:01	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 09:01	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/09/18 09:01	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/09/18 09:01	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:01	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:01	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:01	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/09/18 09:01	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/09/18 09:01	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/09/18 09:01	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/09/18 09:01	75-35-4	
cis-1,2-Dichloroethene	4.4	ug/L	1.0	0.26	1		05/09/18 09:01	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/09/18 09:01	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/09/18 09:01	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/09/18 09:01	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/09/18 09:01	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/09/18 09:01	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:01	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/09/18 09:01	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/09/18 09:01	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:01	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/09/18 09:01	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/09/18 09:01	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:01	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/09/18 09:01	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/09/18 09:01	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/09/18 09:01	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:01	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:01	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/09/18 09:01	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/09/18 09:01	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:01	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:01	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/09/18 09:01	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/09/18 09:01	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/09/18 09:01	71-55-6	

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### ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

**Sample: MW-7**      **Lab ID: 40168620008**      Collected: 05/02/18 15:55      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/09/18 09:01	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/09/18 09:01	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/09/18 09:01	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/09/18 09:01	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:01	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:01	108-67-8	
Vinyl chloride	3.0	ug/L	1.0	0.18	1		05/09/18 09:01	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/09/18 09:01	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:01	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	61-130		1		05/09/18 09:01	460-00-4	
Dibromofluoromethane (S)	103	%	67-130		1		05/09/18 09:01	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		05/09/18 09:01	2037-26-5	
<b>5310C TOC</b> Analytical Method: SM 5310C									
Total Organic Carbon	2.0	mg/L	0.84	0.25	1		05/11/18 01:49	7440-44-0	

**Sample: MW-8**      **Lab ID: 40168620009**      Collected: 05/03/18 15:00      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b> Analytical Method: EPA 8015B Modified									
Ethane	<0.58	ug/L	5.6	0.58	1		05/15/18 08:53	74-84-0	
Ethene	<0.52	ug/L	5.0	0.52	1		05/15/18 08:53	74-85-1	
Methane	31.5	ug/L	2.8	1.4	1		05/15/18 08:53	74-82-8	M1
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		05/08/18 20:39	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/08/18 20:39	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/08/18 20:39	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/08/18 20:39	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/08/18 20:39	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/08/18 20:39	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 20:39	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/08/18 20:39	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/08/18 20:39	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/08/18 20:39	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 20:39	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/08/18 20:39	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/08/18 20:39	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/08/18 20:39	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/08/18 20:39	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/08/18 20:39	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/08/18 20:39	96-12-8	

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## ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

Sample: MW-8 Lab ID: 40168620009 Collected: 05/03/18 15:00 Received: 05/04/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/08/18 20:39	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/08/18 20:39	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/08/18 20:39	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 20:39	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 20:39	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 20:39	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/08/18 20:39	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/08/18 20:39	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/08/18 20:39	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/08/18 20:39	75-35-4	
cis-1,2-Dichloroethene	8.3	ug/L	1.0	0.26	1		05/08/18 20:39	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/08/18 20:39	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/08/18 20:39	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/08/18 20:39	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/08/18 20:39	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/08/18 20:39	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/08/18 20:39	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/08/18 20:39	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/08/18 20:39	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 20:39	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/08/18 20:39	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/08/18 20:39	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/08/18 20:39	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/08/18 20:39	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/08/18 20:39	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/08/18 20:39	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 20:39	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		05/08/18 20:39	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/08/18 20:39	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/08/18 20:39	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/08/18 20:39	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		05/08/18 20:39	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/08/18 20:39	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/08/18 20:39	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/08/18 20:39	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/08/18 20:39	79-00-5	
Trichloroethene	2.4	ug/L	1.0	0.33	1		05/08/18 20:39	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/08/18 20:39	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/08/18 20:39	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 20:39	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/08/18 20:39	108-67-8	
Vinyl chloride	8.3	ug/L	1.0	0.18	1		05/08/18 20:39	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/08/18 20:39	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/08/18 20:39	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	61-130		1		05/08/18 20:39	460-00-4	

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### ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

**Sample: MW-8**      **Lab ID: 40168620009**      Collected: 05/03/18 15:00      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
<i>Surrogates</i>									
Dibromofluoromethane (S)	108	%	67-130		1		05/08/18 20:39	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		05/08/18 20:39	2037-26-5	
<b>5310C TOC</b> Analytical Method: SM 5310C									
Total Organic Carbon	8.1	mg/L	5.0	1.5	6		05/11/18 02:10	7440-44-0	

**Sample: MW-9**      **Lab ID: 40168620010**      Collected: 05/02/18 17:00      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b> Analytical Method: EPA 8015B Modified									
Ethane	<0.58	ug/L	5.6	0.58	1		05/14/18 12:02	74-84-0	
Ethene	<0.52	ug/L	5.0	0.52	1		05/14/18 12:02	74-85-1	
Methane	<1.4	ug/L	2.8	1.4	1		05/14/18 12:02	74-82-8	
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:23	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/09/18 09:23	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/09/18 09:23	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 09:23	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/09/18 09:23	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/09/18 09:23	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:23	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/09/18 09:23	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/09/18 09:23	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/09/18 09:23	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:23	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/09/18 09:23	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/09/18 09:23	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 09:23	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:23	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/09/18 09:23	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/09/18 09:23	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 09:23	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/09/18 09:23	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/09/18 09:23	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:23	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:23	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:23	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/09/18 09:23	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/09/18 09:23	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/09/18 09:23	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/09/18 09:23	75-35-4	

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### ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

**Sample: MW-9**      **Lab ID: 40168620010**      Collected: 05/02/18 17:00      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
cis-1,2-Dichloroethene	<b>0.87J</b>	ug/L	1.0	0.26	1		05/09/18 09:23	156-59-2	
trans-1,2-Dichloroethene	<b>&lt;0.26</b>	ug/L	1.0	0.26	1		05/09/18 09:23	156-60-5	
1,2-Dichloropropane	<b>2.1</b>	ug/L	1.0	0.23	1		05/09/18 09:23	78-87-5	
1,3-Dichloropropane	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		05/09/18 09:23	142-28-9	
2,2-Dichloropropane	<b>&lt;0.48</b>	ug/L	1.0	0.48	1		05/09/18 09:23	594-20-7	
1,1-Dichloropropene	<b>&lt;0.44</b>	ug/L	1.0	0.44	1		05/09/18 09:23	563-58-6	
cis-1,3-Dichloropropene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		05/09/18 09:23	10061-01-5	
trans-1,3-Dichloropropene	<b>&lt;0.23</b>	ug/L	1.0	0.23	1		05/09/18 09:23	10061-02-6	
Diisopropyl ether	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		05/09/18 09:23	108-20-3	
Ethylbenzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		05/09/18 09:23	100-41-4	
Hexachloro-1,3-butadiene	<b>&lt;2.1</b>	ug/L	5.0	2.1	1		05/09/18 09:23	87-68-3	
Isopropylbenzene (Cumene)	<b>&lt;0.14</b>	ug/L	1.0	0.14	1		05/09/18 09:23	98-82-8	
p-Isopropyltoluene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		05/09/18 09:23	99-87-6	
Methylene Chloride	<b>&lt;0.23</b>	ug/L	1.0	0.23	1		05/09/18 09:23	75-09-2	
Methyl-tert-butyl ether	<b>&lt;0.17</b>	ug/L	1.0	0.17	1		05/09/18 09:23	1634-04-4	
Naphthalene	<b>&lt;2.5</b>	ug/L	5.0	2.5	1		05/09/18 09:23	91-20-3	
n-Propylbenzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		05/09/18 09:23	103-65-1	
Styrene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		05/09/18 09:23	100-42-5	
1,1,1,2-Tetrachloroethane	<b>&lt;0.18</b>	ug/L	1.0	0.18	1		05/09/18 09:23	630-20-6	
1,1,2,2-Tetrachloroethane	<b>&lt;0.25</b>	ug/L	1.0	0.25	1		05/09/18 09:23	79-34-5	
Tetrachloroethene	<b>3.1</b>	ug/L	1.0	0.50	1		05/09/18 09:23	127-18-4	
Toluene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		05/09/18 09:23	108-88-3	
1,2,3-Trichlorobenzene	<b>&lt;2.1</b>	ug/L	5.0	2.1	1		05/09/18 09:23	87-61-6	
1,2,4-Trichlorobenzene	<b>&lt;2.2</b>	ug/L	5.0	2.2	1		05/09/18 09:23	120-82-1	
1,1,1-Trichloroethane	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		05/09/18 09:23	71-55-6	
1,1,2-Trichloroethane	<b>&lt;0.20</b>	ug/L	1.0	0.20	1		05/09/18 09:23	79-00-5	
Trichloroethene	<b>1.1</b>	ug/L	1.0	0.33	1		05/09/18 09:23	79-01-6	
Trichlorofluoromethane	<b>&lt;0.18</b>	ug/L	1.0	0.18	1		05/09/18 09:23	75-69-4	
1,2,3-Trichloropropane	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		05/09/18 09:23	96-18-4	
1,2,4-Trimethylbenzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		05/09/18 09:23	95-63-6	
1,3,5-Trimethylbenzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		05/09/18 09:23	108-67-8	
Vinyl chloride	<b>&lt;0.18</b>	ug/L	1.0	0.18	1		05/09/18 09:23	75-01-4	
m&p-Xylene	<b>&lt;1.0</b>	ug/L	2.0	1.0	1		05/09/18 09:23	179601-23-1	
o-Xylene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		05/09/18 09:23	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	61-130		1		05/09/18 09:23	460-00-4	
Dibromofluoromethane (S)	104	%	67-130		1		05/09/18 09:23	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		05/09/18 09:23	2037-26-5	
<b>5310C TOC</b>		Analytical Method: SM 5310C							
Total Organic Carbon	<b>0.56J</b>	mg/L	0.84	0.25	1		05/11/18 03:12	7440-44-0	

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## ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

**Sample: MW-10**      **Lab ID: 40168620011**      Collected: 05/03/18 17:35      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>		Analytical Method: EPA 8015B Modified							
Ethane	53.0	ug/L	5.6	0.58	1		05/14/18 12:09	74-84-0	
Ethene	136	ug/L	5.0	0.52	1		05/14/18 12:09	74-85-1	
Methane	11500	ug/L	140	68.5	50		05/14/18 14:24	74-82-8	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<20.0	ug/L	40.0	20.0	40		05/08/18 15:11	71-43-2	
Bromobenzene	<9.2	ug/L	40.0	9.2	40		05/08/18 15:11	108-86-1	
Bromochloromethane	<13.6	ug/L	40.0	13.6	40		05/08/18 15:11	74-97-5	
Bromodichloromethane	<20.0	ug/L	40.0	20.0	40		05/08/18 15:11	75-27-4	
Bromoform	<20.0	ug/L	40.0	20.0	40		05/08/18 15:11	75-25-2	
Bromomethane	<97.4	ug/L	200	97.4	40		05/08/18 15:11	74-83-9	
n-Butylbenzene	<20.0	ug/L	40.0	20.0	40		05/08/18 15:11	104-51-8	
sec-Butylbenzene	<87.4	ug/L	200	87.4	40		05/08/18 15:11	135-98-8	
tert-Butylbenzene	<7.2	ug/L	40.0	7.2	40		05/08/18 15:11	98-06-6	
Carbon tetrachloride	<20.0	ug/L	40.0	20.0	40		05/08/18 15:11	56-23-5	
Chlorobenzene	<20.0	ug/L	40.0	20.0	40		05/08/18 15:11	108-90-7	
Chloroethane	<15.0	ug/L	40.0	15.0	40		05/08/18 15:11	75-00-3	
Chloroform	<100	ug/L	200	100	40		05/08/18 15:11	67-66-3	
Chloromethane	<20.0	ug/L	40.0	20.0	40		05/08/18 15:11	74-87-3	
2-Chlorotoluene	<20.0	ug/L	40.0	20.0	40		05/08/18 15:11	95-49-8	
4-Chlorotoluene	<8.5	ug/L	40.0	8.5	40		05/08/18 15:11	106-43-4	
1,2-Dibromo-3-chloropropane	<86.6	ug/L	200	86.6	40		05/08/18 15:11	96-12-8	
Dibromochloromethane	<20.0	ug/L	40.0	20.0	40		05/08/18 15:11	124-48-1	
1,2-Dibromoethane (EDB)	<7.1	ug/L	40.0	7.1	40		05/08/18 15:11	106-93-4	
Dibromomethane	<17.1	ug/L	40.0	17.1	40		05/08/18 15:11	74-95-3	
1,2-Dichlorobenzene	<20.0	ug/L	40.0	20.0	40		05/08/18 15:11	95-50-1	
1,3-Dichlorobenzene	<20.0	ug/L	40.0	20.0	40		05/08/18 15:11	541-73-1	
1,4-Dichlorobenzene	<20.0	ug/L	40.0	20.0	40		05/08/18 15:11	106-46-7	
Dichlorodifluoromethane	<9.0	ug/L	40.0	9.0	40		05/08/18 15:11	75-71-8	
1,1-Dichloroethane	<9.7	ug/L	40.0	9.7	40		05/08/18 15:11	75-34-3	
1,2-Dichloroethane	<6.7	ug/L	40.0	6.7	40		05/08/18 15:11	107-06-2	
1,1-Dichloroethene	<16.4	ug/L	40.0	16.4	40		05/08/18 15:11	75-35-4	
cis-1,2-Dichloroethene	2350	ug/L	40.0	10.2	40		05/08/18 15:11	156-59-2	
trans-1,2-Dichloroethene	42.3	ug/L	40.0	10.3	40		05/08/18 15:11	156-60-5	
1,2-Dichloropropane	<9.3	ug/L	40.0	9.3	40		05/08/18 15:11	78-87-5	
1,3-Dichloropropane	<20.0	ug/L	40.0	20.0	40		05/08/18 15:11	142-28-9	
2,2-Dichloropropane	<19.4	ug/L	40.0	19.4	40		05/08/18 15:11	594-20-7	
1,1-Dichloropropene	<17.6	ug/L	40.0	17.6	40		05/08/18 15:11	563-58-6	
cis-1,3-Dichloropropene	<20.0	ug/L	40.0	20.0	40		05/08/18 15:11	10061-01-5	
trans-1,3-Dichloropropene	<9.2	ug/L	40.0	9.2	40		05/08/18 15:11	10061-02-6	
Diisopropyl ether	<20.0	ug/L	40.0	20.0	40		05/08/18 15:11	108-20-3	
Ethylbenzene	<20.0	ug/L	40.0	20.0	40		05/08/18 15:11	100-41-4	
Hexachloro-1,3-butadiene	<84.2	ug/L	200	84.2	40		05/08/18 15:11	87-68-3	
Isopropylbenzene (Cumene)	<5.7	ug/L	40.0	5.7	40		05/08/18 15:11	98-82-8	
p-Isopropyltoluene	<20.0	ug/L	40.0	20.0	40		05/08/18 15:11	99-87-6	
Methylene Chloride	<9.3	ug/L	40.0	9.3	40		05/08/18 15:11	75-09-2	

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### ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

Sample: MW-10 Lab ID: 40168620011 Collected: 05/03/18 17:35 Received: 05/04/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Methyl-tert-butyl ether	<7.0	ug/L	40.0	7.0	40		05/08/18 15:11	1634-04-4	
Naphthalene	<100	ug/L	200	100	40		05/08/18 15:11	91-20-3	
n-Propylbenzene	<20.0	ug/L	40.0	20.0	40		05/08/18 15:11	103-65-1	
Styrene	<20.0	ug/L	40.0	20.0	40		05/08/18 15:11	100-42-5	
1,1,1,2-Tetrachloroethane	<7.2	ug/L	40.0	7.2	40		05/08/18 15:11	630-20-6	
1,1,2,2-Tetrachloroethane	<10	ug/L	40.0	10	40		05/08/18 15:11	79-34-5	
Tetrachloroethene	26.8J	ug/L	40.0	20.0	40		05/08/18 15:11	127-18-4	
Toluene	<20.0	ug/L	40.0	20.0	40		05/08/18 15:11	108-88-3	
1,2,3-Trichlorobenzene	<85.3	ug/L	200	85.3	40		05/08/18 15:11	87-61-6	
1,2,4-Trichlorobenzene	<88.4	ug/L	200	88.4	40		05/08/18 15:11	120-82-1	
1,1,1-Trichloroethane	<20.0	ug/L	40.0	20.0	40		05/08/18 15:11	71-55-6	
1,1,2-Trichloroethane	<7.9	ug/L	40.0	7.9	40		05/08/18 15:11	79-00-5	
Trichloroethene	62.0	ug/L	40.0	13.2	40		05/08/18 15:11	79-01-6	
Trichlorofluoromethane	<7.4	ug/L	40.0	7.4	40		05/08/18 15:11	75-69-4	
1,2,3-Trichloropropane	<20.0	ug/L	40.0	20.0	40		05/08/18 15:11	96-18-4	
1,2,4-Trimethylbenzene	<20.0	ug/L	40.0	20.0	40		05/08/18 15:11	95-63-6	
1,3,5-Trimethylbenzene	<20.0	ug/L	40.0	20.0	40		05/08/18 15:11	108-67-8	
Vinyl chloride	968	ug/L	40.0	7.0	40		05/08/18 15:11	75-01-4	
m&p-Xylene	<40.0	ug/L	80.0	40.0	40		05/08/18 15:11	179601-23-1	
o-Xylene	<20.0	ug/L	40.0	20.0	40		05/08/18 15:11	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	61-130		40		05/08/18 15:11	460-00-4	
Dibromofluoromethane (S)	106	%	67-130		40		05/08/18 15:11	1868-53-7	
Toluene-d8 (S)	99	%	70-130		40		05/08/18 15:11	2037-26-5	

<b>5310C TOC</b> Analytical Method: SM 5310C									
Total Organic Carbon	4.7	mg/L	1.7	0.50	2		05/11/18 03:33	7440-44-0	

Sample: MW-11 Lab ID: 40168620012 Collected: 05/02/18 12:10 Received: 05/04/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/09/18 09:45	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/09/18 09:45	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/09/18 09:45	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/09/18 09:45	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/09/18 09:45	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	108-90-7	

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## ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

**Sample: MW-11**      **Lab ID: 40168620012**      Collected: 05/02/18 12:10      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/09/18 09:45	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/09/18 09:45	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/09/18 09:45	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/09/18 09:45	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/09/18 09:45	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/09/18 09:45	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/09/18 09:45	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/09/18 09:45	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/09/18 09:45	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/09/18 09:45	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/09/18 09:45	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/09/18 09:45	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/09/18 09:45	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/09/18 09:45	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/09/18 09:45	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/09/18 09:45	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/09/18 09:45	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/09/18 09:45	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/09/18 09:45	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/09/18 09:45	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/09/18 09:45	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/09/18 09:45	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/09/18 09:45	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/09/18 09:45	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/09/18 09:45	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/09/18 09:45	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/09/18 09:45	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/09/18 09:45	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	95-63-6	

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### ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

**Sample: MW-11**      **Lab ID: 40168620012**      Collected: 05/02/18 12:10      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/09/18 09:45	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/09/18 09:45	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	61-130		1		05/09/18 09:45	460-00-4	
Dibromofluoromethane (S)	104	%	67-130		1		05/09/18 09:45	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		05/09/18 09:45	2037-26-5	

**Sample: MW-12**      **Lab ID: 40168620013**      Collected: 05/02/18 11:25      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/09/18 10:07	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/09/18 10:07	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/09/18 10:07	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/09/18 10:07	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/09/18 10:07	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/09/18 10:07	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/09/18 10:07	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/09/18 10:07	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/09/18 10:07	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/09/18 10:07	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/09/18 10:07	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/09/18 10:07	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/09/18 10:07	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/09/18 10:07	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/09/18 10:07	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/09/18 10:07	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/09/18 10:07	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/09/18 10:07	78-87-5	

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### ANALYTICAL RESULTS

Project: GETZEN

Pace Project No.: 40168620

**Sample: MW-12**      **Lab ID: 40168620013**      Collected: 05/02/18 11:25      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/09/18 10:07	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/09/18 10:07	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/09/18 10:07	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/09/18 10:07	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/09/18 10:07	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/09/18 10:07	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/09/18 10:07	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/09/18 10:07	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/09/18 10:07	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/09/18 10:07	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/09/18 10:07	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/09/18 10:07	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/09/18 10:07	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/09/18 10:07	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/09/18 10:07	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/09/18 10:07	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/09/18 10:07	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	61-130		1		05/09/18 10:07	460-00-4	
Dibromofluoromethane (S)	106	%	67-130		1		05/09/18 10:07	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		05/09/18 10:07	2037-26-5	

**Sample: MW-13**      **Lab ID: 40168620014**      Collected: 05/02/18 10:40      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/09/18 10:29	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/09/18 10:29	74-97-5	

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## ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

Sample: MW-13      Lab ID: 40168620014      Collected: 05/02/18 10:40      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/09/18 10:29	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/09/18 10:29	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/09/18 10:29	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/09/18 10:29	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/09/18 10:29	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/09/18 10:29	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/09/18 10:29	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/09/18 10:29	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/09/18 10:29	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/09/18 10:29	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/09/18 10:29	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/09/18 10:29	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/09/18 10:29	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/09/18 10:29	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/09/18 10:29	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/09/18 10:29	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/09/18 10:29	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/09/18 10:29	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/09/18 10:29	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/09/18 10:29	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/09/18 10:29	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/09/18 10:29	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/09/18 10:29	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/09/18 10:29	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/09/18 10:29	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/09/18 10:29	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	108-88-3	

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### ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

**Sample: MW-13**      **Lab ID: 40168620014**      Collected: 05/02/18 10:40      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/09/18 10:29	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/09/18 10:29	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/09/18 10:29	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/09/18 10:29	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/09/18 10:29	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/09/18 10:29	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/09/18 10:29	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	61-130		1		05/09/18 10:29	460-00-4	
Dibromofluoromethane (S)	105	%	67-130		1		05/09/18 10:29	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		05/09/18 10:29	2037-26-5	

**Sample: P-1**      **Lab ID: 40168620015**      Collected: 05/03/18 16:05      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b> Analytical Method: EPA 8015B Modified									
Ethane	<0.58	ug/L	5.6	0.58	1		05/14/18 12:16	74-84-0	
Ethene	<0.52	ug/L	5.0	0.52	1		05/14/18 12:16	74-85-1	
Methane	252	ug/L	11.2	5.5	4		05/14/18 14:55	74-82-8	
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:51	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/09/18 10:51	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/09/18 10:51	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 10:51	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/09/18 10:51	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/09/18 10:51	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:51	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/09/18 10:51	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/09/18 10:51	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/09/18 10:51	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:51	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/09/18 10:51	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/09/18 10:51	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 10:51	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:51	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/09/18 10:51	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/09/18 10:51	96-12-8	

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### ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

**Sample: P-1**      **Lab ID: 40168620015**      Collected: 05/03/18 16:05      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 10:51	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/09/18 10:51	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/09/18 10:51	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:51	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:51	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:51	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/09/18 10:51	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/09/18 10:51	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/09/18 10:51	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/09/18 10:51	75-35-4	
cis-1,2-Dichloroethene	1.1	ug/L	1.0	0.26	1		05/09/18 10:51	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/09/18 10:51	156-60-5	
1,2-Dichloropropane	1.4	ug/L	1.0	0.23	1		05/09/18 10:51	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/09/18 10:51	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/09/18 10:51	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/09/18 10:51	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:51	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/09/18 10:51	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/09/18 10:51	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:51	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/09/18 10:51	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/09/18 10:51	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:51	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/09/18 10:51	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/09/18 10:51	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/09/18 10:51	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:51	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:51	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/09/18 10:51	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/09/18 10:51	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:51	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:51	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/09/18 10:51	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/09/18 10:51	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/09/18 10:51	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/09/18 10:51	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/09/18 10:51	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/09/18 10:51	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/09/18 10:51	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:51	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:51	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/09/18 10:51	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/09/18 10:51	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:51	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	61-130		1		05/09/18 10:51	460-00-4	

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### ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

**Sample: P-1**      **Lab ID: 40168620015**      Collected: 05/03/18 16:05      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
<i>Surrogates</i>									
Dibromofluoromethane (S)	106	%	67-130		1		05/09/18 10:51	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		05/09/18 10:51	2037-26-5	
<b>5310C TOC</b> Analytical Method: SM 5310C									
Total Organic Carbon	2.4	mg/L	0.84	0.25	1		05/11/18 03:53	7440-44-0	

**Sample: P-3**      **Lab ID: 40168620016**      Collected: 05/02/18 14:15      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b> Analytical Method: EPA 8015B Modified									
Ethane	<0.58	ug/L	5.6	0.58	1		05/14/18 13:22	74-84-0	
Ethene	<0.52	ug/L	5.0	0.52	1		05/14/18 13:22	74-85-1	
Methane	3.8	ug/L	2.8	1.4	1		05/14/18 13:22	74-82-8	
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		05/09/18 11:13	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/09/18 11:13	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/09/18 11:13	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 11:13	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/09/18 11:13	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/09/18 11:13	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 11:13	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/09/18 11:13	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/09/18 11:13	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/09/18 11:13	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 11:13	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/09/18 11:13	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/09/18 11:13	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 11:13	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/09/18 11:13	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/09/18 11:13	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/09/18 11:13	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 11:13	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/09/18 11:13	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/09/18 11:13	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 11:13	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 11:13	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 11:13	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/09/18 11:13	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/09/18 11:13	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/09/18 11:13	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/09/18 11:13	75-35-4	

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### ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

**Sample: P-3**      **Lab ID: 40168620016**      Collected: 05/02/18 14:15      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/09/18 11:13	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/09/18 11:13	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/09/18 11:13	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/09/18 11:13	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/09/18 11:13	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/09/18 11:13	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/09/18 11:13	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/09/18 11:13	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/09/18 11:13	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 11:13	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/09/18 11:13	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/09/18 11:13	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/09/18 11:13	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/09/18 11:13	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/09/18 11:13	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/09/18 11:13	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 11:13	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		05/09/18 11:13	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/09/18 11:13	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/09/18 11:13	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/09/18 11:13	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		05/09/18 11:13	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/09/18 11:13	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/09/18 11:13	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/09/18 11:13	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/09/18 11:13	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/09/18 11:13	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/09/18 11:13	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/09/18 11:13	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 11:13	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 11:13	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/09/18 11:13	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/09/18 11:13	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/09/18 11:13	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	61-130		1		05/09/18 11:13	460-00-4	
Dibromofluoromethane (S)	109	%	67-130		1		05/09/18 11:13	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		05/09/18 11:13	2037-26-5	
<b>5310C TOC</b> Analytical Method: SM 5310C									
Total Organic Carbon	<b>0.87</b>	mg/L	0.84	0.25	1		05/11/18 04:15	7440-44-0	

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## ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

**Sample: TRIP BLANK**      **Lab ID: 40168620017**      Collected: 05/03/18 00:00      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		05/09/18 20:09	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/09/18 20:09	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/09/18 20:09	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 20:09	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/09/18 20:09	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/09/18 20:09	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 20:09	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/09/18 20:09	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/09/18 20:09	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/09/18 20:09	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 20:09	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/09/18 20:09	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/09/18 20:09	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 20:09	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/09/18 20:09	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/09/18 20:09	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/09/18 20:09	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 20:09	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/09/18 20:09	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/09/18 20:09	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 20:09	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 20:09	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 20:09	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/09/18 20:09	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/09/18 20:09	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/09/18 20:09	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/09/18 20:09	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/09/18 20:09	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/09/18 20:09	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/09/18 20:09	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/09/18 20:09	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/09/18 20:09	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/09/18 20:09	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/09/18 20:09	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/09/18 20:09	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/09/18 20:09	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 20:09	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/09/18 20:09	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/09/18 20:09	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/09/18 20:09	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/09/18 20:09	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/09/18 20:09	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/09/18 20:09	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 20:09	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		05/09/18 20:09	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/09/18 20:09	630-20-6	

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### ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

**Sample: TRIP BLANK**      **Lab ID: 40168620017**      Collected: 05/03/18 00:00      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/09/18 20:09	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/09/18 20:09	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		05/09/18 20:09	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/09/18 20:09	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/09/18 20:09	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/09/18 20:09	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/09/18 20:09	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/09/18 20:09	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/09/18 20:09	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/09/18 20:09	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 20:09	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 20:09	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/09/18 20:09	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/09/18 20:09	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/09/18 20:09	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89	%	61-130		1		05/09/18 20:09	460-00-4	
Dibromofluoromethane (S)	98	%	67-130		1		05/09/18 20:09	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		05/09/18 20:09	2037-26-5	

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### QUALITY CONTROL DATA

Project: GETZEN  
Pace Project No.: 40168620

QC Batch: 288724 Analysis Method: EPA 8015B Modified  
QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV  
Associated Lab Samples: 40168620002, 40168620003, 40168620004, 40168620005, 40168620007, 40168620008, 40168620010, 40168620011, 40168620015, 40168620016

METHOD BLANK: 1689990 Matrix: Water  
Associated Lab Samples: 40168620002, 40168620003, 40168620004, 40168620005, 40168620007, 40168620008, 40168620010, 40168620011, 40168620015, 40168620016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<0.58	5.6	05/14/18 09:34	
Ethene	ug/L	<0.52	5.0	05/14/18 09:34	
Methane	ug/L	<1.4	2.8	05/14/18 09:34	

LABORATORY CONTROL SAMPLE & LCSD: 1689991 1689992

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	53.6	55.0	55.0	103	103	80-120	0	20	
Ethene	ug/L	50	50.3	51.1	101	102	80-119	2	20	
Methane	ug/L	28.6	29.5	29.4	103	103	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1689993 1689994

Parameter	Units	40168498008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<0.58	53.6	53.6	55.0	54.8	103	102	79-120	0	20	
Ethene	ug/L	<0.52	50	50	50.7	50.4	101	101	78-119	0	20	
Methane	ug/L	<1.4	28.6	28.6	28.9	28.9	101	101	10-200	0	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.

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### QUALITY CONTROL DATA

Project: GETZEN  
Pace Project No.: 40168620

QC Batch: 288880      Analysis Method: EPA 8015B Modified  
QC Batch Method: EPA 8015B Modified      Analysis Description: Methane, Ethane, Ethene GCV  
Associated Lab Samples: 40168620009

METHOD BLANK: 1690442      Matrix: Water  
Associated Lab Samples: 40168620009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<0.58	5.6	05/15/18 08:19	
Ethene	ug/L	<0.52	5.0	05/15/18 08:19	
Methane	ug/L	<1.4	2.8	05/15/18 08:19	

LABORATORY CONTROL SAMPLE & LCSD: 1690443

Parameter	Units	1690444									
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
Ethane	ug/L	53.6	55.3	54.4	103	102	80-120	2	20		
Ethene	ug/L	50	51.4	50.5	103	101	80-119	2	20		
Methane	ug/L	28.6	29.0	28.5	101	100	80-120	2	20		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1690445

Parameter	Units	1690446										
		40168620009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<0.58	53.6	53.6	52.8	54.9	99	102	79-120	4	20	
Ethene	ug/L	<0.52	50	50	48.7	50.2	97	100	78-119	3	20	
Methane	ug/L	31.5	28.6	28.6	113	114	285	288	10-200	1	20	M1

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: GETZEN  
Pace Project No.: 40168620

QC Batch: 288093 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Associated Lab Samples: 40168620001, 40168620002, 40168620003, 40168620004, 40168620005, 40168620006, 40168620007, 40168620008, 40168620009, 40168620010, 40168620011, 40168620012, 40168620013, 40168620014, 40168620015, 40168620016

METHOD BLANK: 1685746 Matrix: Water  
Associated Lab Samples: 40168620001, 40168620002, 40168620003, 40168620004, 40168620005, 40168620006, 40168620007, 40168620008, 40168620009, 40168620010, 40168620011, 40168620012, 40168620013, 40168620014, 40168620015, 40168620016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	05/08/18 11:32	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	05/08/18 11:32	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	05/08/18 11:32	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	05/08/18 11:32	
1,1-Dichloroethane	ug/L	<0.24	1.0	05/08/18 11:32	
1,1-Dichloroethene	ug/L	<0.41	1.0	05/08/18 11:32	
1,1-Dichloropropene	ug/L	<0.44	1.0	05/08/18 11:32	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	05/08/18 11:32	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	05/08/18 11:32	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	05/08/18 11:32	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	05/08/18 11:32	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	05/08/18 11:32	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	05/08/18 11:32	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	05/08/18 11:32	
1,2-Dichloroethane	ug/L	<0.17	1.0	05/08/18 11:32	
1,2-Dichloropropane	ug/L	<0.23	1.0	05/08/18 11:32	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	05/08/18 11:32	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	05/08/18 11:32	
1,3-Dichloropropane	ug/L	<0.50	1.0	05/08/18 11:32	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	05/08/18 11:32	
2,2-Dichloropropane	ug/L	<0.48	1.0	05/08/18 11:32	
2-Chlorotoluene	ug/L	<0.50	1.0	05/08/18 11:32	
4-Chlorotoluene	ug/L	<0.21	1.0	05/08/18 11:32	
Benzene	ug/L	<0.50	1.0	05/08/18 11:32	
Bromobenzene	ug/L	<0.23	1.0	05/08/18 11:32	
Bromochloromethane	ug/L	<0.34	1.0	05/08/18 11:32	
Bromodichloromethane	ug/L	<0.50	1.0	05/08/18 11:32	
Bromoform	ug/L	<0.50	1.0	05/08/18 11:32	
Bromomethane	ug/L	<2.4	5.0	05/08/18 11:32	
Carbon tetrachloride	ug/L	<0.50	1.0	05/08/18 11:32	
Chlorobenzene	ug/L	<0.50	1.0	05/08/18 11:32	
Chloroethane	ug/L	<0.37	1.0	05/08/18 11:32	
Chloroform	ug/L	<2.5	5.0	05/08/18 11:32	
Chloromethane	ug/L	<0.50	1.0	05/08/18 11:32	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	05/08/18 11:32	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	05/08/18 11:32	
Dibromochloromethane	ug/L	<0.50	1.0	05/08/18 11:32	
Dibromomethane	ug/L	<0.43	1.0	05/08/18 11:32	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: GETZEN  
Pace Project No.: 40168620

METHOD BLANK: 1685746

Matrix: Water

Associated Lab Samples: 40168620001, 40168620002, 40168620003, 40168620004, 40168620005, 40168620006, 40168620007, 40168620008, 40168620009, 40168620010, 40168620011, 40168620012, 40168620013, 40168620014, 40168620015, 40168620016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	<0.22	1.0	05/08/18 11:32	
Diisopropyl ether	ug/L	<0.50	1.0	05/08/18 11:32	
Ethylbenzene	ug/L	<0.50	1.0	05/08/18 11:32	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	05/08/18 11:32	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	05/08/18 11:32	
m&p-Xylene	ug/L	<1.0	2.0	05/08/18 11:32	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	05/08/18 11:32	
Methylene Chloride	ug/L	<0.23	1.0	05/08/18 11:32	
n-Butylbenzene	ug/L	<0.50	1.0	05/08/18 11:32	
n-Propylbenzene	ug/L	<0.50	1.0	05/08/18 11:32	
Naphthalene	ug/L	<2.5	5.0	05/08/18 11:32	
o-Xylene	ug/L	<0.50	1.0	05/08/18 11:32	
p-Isopropyltoluene	ug/L	<0.50	1.0	05/08/18 11:32	
sec-Butylbenzene	ug/L	<2.2	5.0	05/08/18 11:32	
Styrene	ug/L	<0.50	1.0	05/08/18 11:32	
tert-Butylbenzene	ug/L	<0.18	1.0	05/08/18 11:32	
Tetrachloroethene	ug/L	<0.50	1.0	05/08/18 11:32	
Toluene	ug/L	<0.50	1.0	05/08/18 11:32	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	05/08/18 11:32	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	05/08/18 11:32	
Trichloroethene	ug/L	<0.33	1.0	05/08/18 11:32	
Trichlorofluoromethane	ug/L	<0.18	1.0	05/08/18 11:32	
Vinyl chloride	ug/L	<0.18	1.0	05/08/18 11:32	
4-Bromofluorobenzene (S)	%	93	61-130	05/08/18 11:32	
Dibromofluoromethane (S)	%	103	67-130	05/08/18 11:32	
Toluene-d8 (S)	%	99	70-130	05/08/18 11:32	

LABORATORY CONTROL SAMPLE: 1685747

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.2	100	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.0	98	70-130	
1,1,2-Trichloroethane	ug/L	50	48.8	98	70-130	
1,1-Dichloroethane	ug/L	50	60.5	121	71-132	
1,1-Dichloroethene	ug/L	50	61.5	123	75-130	
1,2,4-Trichlorobenzene	ug/L	50	47.6	95	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	42.0	84	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	49.1	98	70-130	
1,2-Dichlorobenzene	ug/L	50	49.1	98	70-130	
1,2-Dichloroethane	ug/L	50	50.7	101	70-131	
1,2-Dichloropropane	ug/L	50	48.9	98	80-120	
1,3-Dichlorobenzene	ug/L	50	48.9	98	70-130	

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### QUALITY CONTROL DATA

Project: GETZEN  
Pace Project No.: 40168620

LABORATORY CONTROL SAMPLE: 1685747

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	48.3	97	70-130	
Benzene	ug/L	50	50.0	100	73-145	
Bromodichloromethane	ug/L	50	48.2	96	70-130	
Bromoform	ug/L	50	41.6	83	67-130	
Bromomethane	ug/L	50	44.9	90	26-128	
Carbon tetrachloride	ug/L	50	49.7	99	70-133	
Chlorobenzene	ug/L	50	49.9	100	70-130	
Chloroethane	ug/L	50	54.6	109	58-120	
Chloroform	ug/L	50	49.3	99	80-121	
Chloromethane	ug/L	50	47.2	94	40-127	
cis-1,2-Dichloroethene	ug/L	50	50.5	101	70-130	
cis-1,3-Dichloropropene	ug/L	50	44.5	89	70-130	
Dibromochloromethane	ug/L	50	51.4	103	70-130	
Dichlorodifluoromethane	ug/L	50	36.2	72	20-135	
Ethylbenzene	ug/L	50	49.7	99	87-129	
Isopropylbenzene (Cumene)	ug/L	50	50.9	102	70-130	
m&p-Xylene	ug/L	100	101	101	70-130	
Methyl-tert-butyl ether	ug/L	50	54.9	110	66-143	
Methylene Chloride	ug/L	50	56.7	113	70-130	
o-Xylene	ug/L	50	49.8	100	70-130	
Styrene	ug/L	50	50.2	100	70-130	
Tetrachloroethene	ug/L	50	50.8	102	70-130	
Toluene	ug/L	50	48.8	98	82-130	
trans-1,2-Dichloroethene	ug/L	50	59.5	119	75-132	
trans-1,3-Dichloropropene	ug/L	50	42.3	85	70-130	
Trichloroethene	ug/L	50	51.2	102	70-130	
Trichlorofluoromethane	ug/L	50	62.0	124	76-133	
Vinyl chloride	ug/L	50	54.4	109	57-136	
4-Bromofluorobenzene (S)	%			98	61-130	
Dibromofluoromethane (S)	%			105	67-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1685748 1685749

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40168620009	Spike Conc.	Spike Conc.	Result								
1,1,1-Trichloroethane	ug/L	<0.50	100	100	105	95.8	105	96	70-134	9	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.25	100	100	99.4	90.8	99	91	70-130	9	20		
1,1,2-Trichloroethane	ug/L	<0.20	100	100	99.0	91.7	99	92	70-130	8	20		
1,1-Dichloroethane	ug/L	<0.24	100	100	125	112	125	112	71-133	11	20		
1,1-Dichloroethene	ug/L	<0.41	100	100	129	113	129	113	75-136	13	20		
1,2,4-Trichlorobenzene	ug/L	<2.2	100	100	104	93.0	104	93	70-130	12	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.2	100	100	86.8	80.7	87	81	63-123	7	20		
1,2-Dibromoethane (EDB)	ug/L	<0.18	100	100	102	92.4	102	92	70-130	10	20		

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### QUALITY CONTROL DATA

Project: GETZEN  
Pace Project No.: 40168620

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1685748		1685749		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40168620009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,2-Dichlorobenzene	ug/L	<0.50	100	100	104	93.5	104	94	70-130	11	20		
1,2-Dichloroethane	ug/L	<0.17	100	100	105	95.3	105	95	70-131	10	20		
1,2-Dichloropropane	ug/L	<0.23	100	100	103	92.3	103	92	80-120	11	20		
1,3-Dichlorobenzene	ug/L	<0.50	100	100	105	93.4	105	93	70-130	11	20		
1,4-Dichlorobenzene	ug/L	<0.50	100	100	102	91.6	102	92	70-130	11	20		
Benzene	ug/L	<0.50	100	100	104	94.4	104	94	73-145	9	20		
Bromodichloromethane	ug/L	<0.50	100	100	100	92.3	100	92	70-130	8	20		
Bromoform	ug/L	<0.50	100	100	86.8	79.9	87	80	67-130	8	20		
Bromomethane	ug/L	<2.4	100	100	95.7	90.6	96	91	26-129	5	20		
Carbon tetrachloride	ug/L	<0.50	100	100	102	94.0	102	94	70-134	8	20		
Chlorobenzene	ug/L	<0.50	100	100	105	94.7	105	95	70-130	11	20		
Chloroethane	ug/L	<0.37	100	100	111	99.9	111	100	58-120	11	20		
Chloroform	ug/L	<2.5	100	100	102	92.3	102	92	80-121	9	20		
Chloromethane	ug/L	<0.50	100	100	94.2	87.7	94	88	40-128	7	20		
cis-1,2-Dichloroethene	ug/L	8.3	100	100	112	102	104	94	70-130	9	20		
cis-1,3-Dichloropropene	ug/L	<0.50	100	100	95.3	87.5	95	87	70-130	9	20		
Dibromochloromethane	ug/L	<0.50	100	100	109	99.8	109	100	70-130	9	20		
Dichlorodifluoromethane	ug/L	<0.22	100	100	91.1	80.9	91	81	20-146	12	20		
Ethylbenzene	ug/L	<0.50	100	100	106	94.4	106	94	87-129	12	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	100	100	109	97.0	109	97	70-130	12	20		
m&p-Xylene	ug/L	<1.0	200	200	215	191	107	95	70-130	12	20		
Methyl-tert-butyl ether	ug/L	<0.17	100	100	111	102	111	102	66-143	8	20		
Methylene Chloride	ug/L	<0.23	100	100	116	105	116	105	70-130	10	20		
o-Xylene	ug/L	<0.50	100	100	106	93.8	106	94	70-130	12	20		
Styrene	ug/L	<0.50	100	100	105	92.2	105	92	70-130	13	20		
Tetrachloroethene	ug/L	<0.50	100	100	110	97.6	110	98	70-130	12	20		
Toluene	ug/L	<0.50	100	100	104	92.7	104	93	82-131	12	20		
trans-1,2-Dichloroethene	ug/L	<0.26	100	100	125	111	125	111	75-135	11	20		
trans-1,3-Dichloropropene	ug/L	<0.23	100	100	91.1	82.5	91	82	70-130	10	20		
Trichloroethene	ug/L	2.4	100	100	109	100	107	98	70-130	9	20		
Trichlorofluoromethane	ug/L	<0.18	100	100	130	116	130	116	76-150	11	20		
Vinyl chloride	ug/L	8.3	100	100	118	105	110	97	56-143	12	20		
4-Bromofluorobenzene (S)	%							99	61-130				
Dibromofluoromethane (S)	%							104	67-130				
Toluene-d8 (S)	%							99	70-130				

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### QUALITY CONTROL DATA

Project: GETZEN  
Pace Project No.: 40168620

QC Batch: 288245 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Associated Lab Samples: 40168620017

METHOD BLANK: 1686562 Matrix: Water  
Associated Lab Samples: 40168620017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	05/09/18 17:34	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	05/09/18 17:34	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	05/09/18 17:34	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	05/09/18 17:34	
1,1-Dichloroethane	ug/L	<0.24	1.0	05/09/18 17:34	
1,1-Dichloroethene	ug/L	<0.41	1.0	05/09/18 17:34	
1,1-Dichloropropene	ug/L	<0.44	1.0	05/09/18 17:34	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	05/09/18 17:34	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	05/09/18 17:34	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	05/09/18 17:34	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	05/09/18 17:34	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	05/09/18 17:34	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	05/09/18 17:34	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	05/09/18 17:34	
1,2-Dichloroethane	ug/L	<0.17	1.0	05/09/18 17:34	
1,2-Dichloropropane	ug/L	<0.23	1.0	05/09/18 17:34	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	05/09/18 17:34	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	05/09/18 17:34	
1,3-Dichloropropane	ug/L	<0.50	1.0	05/09/18 17:34	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	05/09/18 17:34	
2,2-Dichloropropane	ug/L	<0.48	1.0	05/09/18 17:34	
2-Chlorotoluene	ug/L	<0.50	1.0	05/09/18 17:34	
4-Chlorotoluene	ug/L	<0.21	1.0	05/09/18 17:34	
Benzene	ug/L	<0.50	1.0	05/09/18 17:34	
Bromobenzene	ug/L	<0.23	1.0	05/09/18 17:34	
Bromochloromethane	ug/L	<0.34	1.0	05/09/18 17:34	
Bromodichloromethane	ug/L	<0.50	1.0	05/09/18 17:34	
Bromoform	ug/L	<0.50	1.0	05/09/18 17:34	
Bromomethane	ug/L	<2.4	5.0	05/09/18 17:34	
Carbon tetrachloride	ug/L	<0.50	1.0	05/09/18 17:34	
Chlorobenzene	ug/L	<0.50	1.0	05/09/18 17:34	
Chloroethane	ug/L	<0.37	1.0	05/09/18 17:34	
Chloroform	ug/L	<2.5	5.0	05/09/18 17:34	
Chloromethane	ug/L	<0.50	1.0	05/09/18 17:34	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	05/09/18 17:34	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	05/09/18 17:34	
Dibromochloromethane	ug/L	<0.50	1.0	05/09/18 17:34	
Dibromomethane	ug/L	<0.43	1.0	05/09/18 17:34	
Dichlorodifluoromethane	ug/L	<0.22	1.0	05/09/18 17:34	
Diisopropyl ether	ug/L	<0.50	1.0	05/09/18 17:34	
Ethylbenzene	ug/L	<0.50	1.0	05/09/18 17:34	

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### QUALITY CONTROL DATA

Project: GETZEN  
Pace Project No.: 40168620

METHOD BLANK: 1686562

Matrix: Water

Associated Lab Samples: 40168620017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	05/09/18 17:34	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	05/09/18 17:34	
m&p-Xylene	ug/L	<1.0	2.0	05/09/18 17:34	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	05/09/18 17:34	
Methylene Chloride	ug/L	0.29J	1.0	05/09/18 17:34	
n-Butylbenzene	ug/L	<0.50	1.0	05/09/18 17:34	
n-Propylbenzene	ug/L	<0.50	1.0	05/09/18 17:34	
Naphthalene	ug/L	<2.5	5.0	05/09/18 17:34	
o-Xylene	ug/L	<0.50	1.0	05/09/18 17:34	
p-Isopropyltoluene	ug/L	<0.50	1.0	05/09/18 17:34	
sec-Butylbenzene	ug/L	<2.2	5.0	05/09/18 17:34	
Styrene	ug/L	<0.50	1.0	05/09/18 17:34	
tert-Butylbenzene	ug/L	<0.18	1.0	05/09/18 17:34	
Tetrachloroethene	ug/L	<0.50	1.0	05/09/18 17:34	
Toluene	ug/L	<0.50	1.0	05/09/18 17:34	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	05/09/18 17:34	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	05/09/18 17:34	
Trichloroethene	ug/L	<0.33	1.0	05/09/18 17:34	
Trichlorofluoromethane	ug/L	<0.18	1.0	05/09/18 17:34	
Vinyl chloride	ug/L	<0.18	1.0	05/09/18 17:34	
4-Bromofluorobenzene (S)	%	85	61-130	05/09/18 17:34	
Dibromofluoromethane (S)	%	101	67-130	05/09/18 17:34	
Toluene-d8 (S)	%	96	70-130	05/09/18 17:34	

LABORATORY CONTROL SAMPLE: 1686563

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	45.2	90	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	48.9	98	70-130	
1,1,2-Trichloroethane	ug/L	50	48.3	97	70-130	
1,1-Dichloroethane	ug/L	50	43.2	86	71-132	
1,1-Dichloroethene	ug/L	50	48.8	98	75-130	
1,2,4-Trichlorobenzene	ug/L	50	42.8	86	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	41.2	82	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	50.5	101	70-130	
1,2-Dichlorobenzene	ug/L	50	51.7	103	70-130	
1,2-Dichloroethane	ug/L	50	40.3	81	70-131	
1,2-Dichloropropane	ug/L	50	45.0	90	80-120	
1,3-Dichlorobenzene	ug/L	50	51.1	102	70-130	
1,4-Dichlorobenzene	ug/L	50	51.3	103	70-130	
Benzene	ug/L	50	49.7	99	73-145	
Bromodichloromethane	ug/L	50	41.6	83	70-130	
Bromoform	ug/L	50	45.4	91	67-130	
Bromomethane	ug/L	50	29.8	60	26-128	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: GETZEN  
Pace Project No.: 40168620

LABORATORY CONTROL SAMPLE: 1686563

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	45.4	91	70-133	
Chlorobenzene	ug/L	50	52.0	104	70-130	
Chloroethane	ug/L	50	40.1	80	58-120	
Chloroform	ug/L	50	45.8	92	80-121	
Chloromethane	ug/L	50	26.3	53	40-127	
cis-1,2-Dichloroethene	ug/L	50	59.6	119	70-130	
cis-1,3-Dichloropropene	ug/L	50	44.8	90	70-130	
Dibromochloromethane	ug/L	50	46.5	93	70-130	
Dichlorodifluoromethane	ug/L	50	25.9	52	20-135	
Ethylbenzene	ug/L	50	50.1	100	87-129	
Isopropylbenzene (Cumene)	ug/L	50	49.5	99	70-130	
m&p-Xylene	ug/L	100	105	105	70-130	
Methyl-tert-butyl ether	ug/L	50	40.2	80	66-143	
Methylene Chloride	ug/L	50	46.6	93	70-130	
o-Xylene	ug/L	50	50.8	102	70-130	
Styrene	ug/L	50	51.3	103	70-130	
Tetrachloroethene	ug/L	50	50.0	100	70-130	
Toluene	ug/L	50	50.6	101	82-130	
trans-1,2-Dichloroethene	ug/L	50	45.8	92	75-132	
trans-1,3-Dichloropropene	ug/L	50	43.4	87	70-130	
Trichloroethene	ug/L	50	47.9	96	70-130	
Trichlorofluoromethane	ug/L	50	41.6	83	76-133	
Vinyl chloride	ug/L	50	37.2	74	57-136	
4-Bromofluorobenzene (S)	%			96	61-130	
Dibromofluoromethane (S)	%			101	67-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1686686 1686687

Parameter	Units	40168724001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
1,1,1-Trichloroethane	ug/L	<0.50	50	50	44.6	45.3	89	91	70-134	2	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	47.9	47.9	96	96	70-130	0	20		
1,1,2-Trichloroethane	ug/L	<0.20	50	50	46.8	49.0	94	98	70-130	4	20		
1,1-Dichloroethane	ug/L	0.64J	50	50	44.1	44.9	87	89	71-133	2	20		
1,1-Dichloroethene	ug/L	<0.41	50	50	47.7	49.2	95	98	75-136	3	20		
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	41.3	41.0	83	82	70-130	1	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	39.6	40.2	79	80	63-123	2	20		
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	49.9	51.7	100	103	70-130	3	20		
1,2-Dichlorobenzene	ug/L	<0.50	50	50	49.7	49.9	99	100	70-130	0	20		
1,2-Dichloroethane	ug/L	<0.17	50	50	39.7	40.4	79	81	70-131	2	20		
1,2-Dichloropropane	ug/L	<0.23	50	50	44.4	46.0	89	92	80-120	3	20		
1,3-Dichlorobenzene	ug/L	<0.50	50	50	48.5	50.5	97	101	70-130	4	20		
1,4-Dichlorobenzene	ug/L	3.9	50	50	53.3	54.9	99	102	70-130	3	20		

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: GETZEN  
Pace Project No.: 40168620

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1686686		1686687		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40168724001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Benzene	ug/L	<0.50	50	50	49.2	50.1	98	100	73-145	2	20	
Bromodichloromethane	ug/L	<0.50	50	50	41.2	42.7	82	85	70-130	3	20	
Bromoform	ug/L	<0.50	50	50	43.1	46.2	86	92	67-130	7	20	
Bromomethane	ug/L	<2.4	50	50	29.6	32.2	59	64	26-129	8	20	
Carbon tetrachloride	ug/L	<0.50	50	50	44.5	46.6	89	93	70-134	5	20	
Chlorobenzene	ug/L	1.3	50	50	50.8	53.4	99	104	70-130	5	20	
Chloroethane	ug/L	<0.37	50	50	39.9	40.3	80	81	58-120	1	20	
Chloroform	ug/L	<2.5	50	50	45.4	46.9	91	94	80-121	3	20	
Chloromethane	ug/L	<0.50	50	50	25.6	25.9	51	52	40-128	1	20	
cis-1,2-Dichloroethene	ug/L	3.6	50	50	64.0	65.7	121	124	70-130	3	20	
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	44.1	46.1	88	92	70-130	4	20	
Dibromochloromethane	ug/L	<0.50	50	50	43.5	46.9	87	94	70-130	7	20	
Dichlorodifluoromethane	ug/L	<0.22	50	50	26.0	25.2	52	50	20-146	3	20	
Ethylbenzene	ug/L	<0.50	50	50	47.7	50.2	95	100	87-129	5	20	
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	48.4	51.4	97	103	70-130	6	20	
m&p-Xylene	ug/L	<1.0	100	100	96.3	103	96	103	70-130	7	20	
Methyl-tert-butyl ether	ug/L	0.22J	50	50	40.7	41.6	81	83	66-143	2	20	
Methylene Chloride	ug/L	<0.23	50	50	45.5	47.0	91	94	70-130	3	20	
o-Xylene	ug/L	<0.50	50	50	48.2	50.7	96	101	70-130	5	20	
Styrene	ug/L	<0.50	50	50	49.2	48.9	98	98	70-130	1	20	
Tetrachloroethene	ug/L	<0.50	50	50	47.8	49.9	96	100	70-130	4	20	
Toluene	ug/L	<0.50	50	50	48.6	50.1	97	100	82-131	3	20	
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	46.3	48.0	93	96	75-135	4	20	
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	41.4	43.6	83	87	70-130	5	20	
Trichloroethene	ug/L	2.1	50	50	49.5	52.2	95	100	70-130	5	20	
Trichlorofluoromethane	ug/L	<0.18	50	50	41.2	41.8	82	84	76-150	1	20	
Vinyl chloride	ug/L	<0.18	50	50	36.8	36.6	74	73	56-143	0	20	
4-Bromofluorobenzene (S)	%						91	96	61-130			
Dibromofluoromethane (S)	%						102	101	67-130			
Toluene-d8 (S)	%						95	99	70-130			

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: GETZEN  
Pace Project No.: 40168620

QC Batch: 288239 Analysis Method: SM 5310C  
QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon  
Associated Lab Samples: 40168620002, 40168620003, 40168620004, 40168620005, 40168620007, 40168620008, 40168620009, 40168620010, 40168620011, 40168620015, 40168620016

METHOD BLANK: 1686536 Matrix: Water  
Associated Lab Samples: 40168620002, 40168620003, 40168620004, 40168620005, 40168620007, 40168620008, 40168620009, 40168620010, 40168620011, 40168620015, 40168620016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.25	0.84	05/10/18 12:36	

LABORATORY CONTROL SAMPLE: 1686537

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	2.5	2.4	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1686538 1686539

Parameter	Units	10429737001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	ND	1	1	1.6	1.6	107	107	80-120	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1686540 1686541

Parameter	Units	40168620009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	8.1	6	6	14.1	13.9	101	98	80-120	1	10	

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## QUALIFIERS

Project: GETZEN  
Pace Project No.: 40168620

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### DEFINITIONS

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

ND - Not Detected at or above LOD.

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

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

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

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GETZEN  
Pace Project No.: 40168620

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40168620002	MW-2	EPA 8015B Modified	288724		
40168620003	MW-3	EPA 8015B Modified	288724		
40168620004	MW-4	EPA 8015B Modified	288724		
40168620005	MW-5	EPA 8015B Modified	288724		
40168620007	MW-6	EPA 8015B Modified	288724		
40168620008	MW-7	EPA 8015B Modified	288724		
40168620009	MW-8	EPA 8015B Modified	288880		
40168620010	MW-9	EPA 8015B Modified	288724		
40168620011	MW-10	EPA 8015B Modified	288724		
40168620015	P-1	EPA 8015B Modified	288724		
40168620016	P-3	EPA 8015B Modified	288724		
40168620001	MW-1	EPA 8260	288093		
40168620002	MW-2	EPA 8260	288093		
40168620003	MW-3	EPA 8260	288093		
40168620004	MW-4	EPA 8260	288093		
40168620005	MW-5	EPA 8260	288093		
40168620006	MW-5 DUP	EPA 8260	288093		
40168620007	MW-6	EPA 8260	288093		
40168620008	MW-7	EPA 8260	288093		
40168620009	MW-8	EPA 8260	288093		
40168620010	MW-9	EPA 8260	288093		
40168620011	MW-10	EPA 8260	288093		
40168620012	MW-11	EPA 8260	288093		
40168620013	MW-12	EPA 8260	288093		
40168620014	MW-13	EPA 8260	288093		
40168620015	P-1	EPA 8260	288093		
40168620016	P-3	EPA 8260	288093		
40168620017	TRIP BLANK	EPA 8260	288245		
40168620002	MW-2	SM 5310C	288239		
40168620003	MW-3	SM 5310C	288239		
40168620004	MW-4	SM 5310C	288239		
40168620005	MW-5	SM 5310C	288239		
40168620007	MW-6	SM 5310C	288239		
40168620008	MW-7	SM 5310C	288239		
40168620009	MW-8	SM 5310C	288239		
40168620010	MW-9	SM 5310C	288239		
40168620011	MW-10	SM 5310C	288239		
40168620015	P-1	SM 5310C	288239		
40168620016	P-3	SM 5310C	288239		

### REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: Gressyrite  
 Branch/Location: McJannet, WI  
 Project Contact: Sim Bannawitve  
 Phone: 262 824 0223  
 Project Number: 62720  
 Project Name: Getzen  
 Project State: WI  
 Sampled By (Print): E. McJannet  
 Sampled By (Sign): [Signature]  
 PO #: \_\_\_\_\_  
 Regulatory Program: \_\_\_\_\_



# 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

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

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

Y/N	Pick Letter	Matrix
N	B	VOCs
N	D	MEB Methane, Ethane, Ethanol
N	C	TOL

DATE	TIME	MATRIX	Analyses Requested
5/2/18	1325	GW	X
5/5/18	1310	GW	X
5/5/18	1700	GW	X
5/5/18	0745	GW	X
5/6/18	1400	GW	X
5/9/18	1400	GW	X
5/2/18	1505	GW	X
5/2/18	1535	GW	X
5/5/18	1500	GW	X
5/2/18	1700	GW	X
5/5/18	1735	GW	X
5/2/18	1210	GW	X
5/2/18	1125	GW	X

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

Transmit Prelim Rush Results by (complete what you want):  
 Email #1: \_\_\_\_\_  
 Email #2: \_\_\_\_\_  
 Telephone: \_\_\_\_\_  
 Fax: \_\_\_\_\_

Relinquished By: [Signature] Date/Time: 5/4/18 0800  
 Relinquished By: Marie Farnin Date/Time: 5/4/18 1900  
 Relinquished By: Marie Farnin Date/Time: 5/4/18 1415

Quote #:  
 Mail To Contact: Sim Bannawitve  
 Mail To Company: Gressyrite  
 Mail To Address: 10600 Port Washington St 100 McJannet WI 53092  
 Invoice To Contact: Gressyrite  
 Invoice To Company:  
 Invoice To Address:  
 Invoice To Phone:  
 CLIENT COMMENTS  
 LAB COMMENTS (Lab Use Only)  
 Profile #

Received By: Marie Farnin Date/Time: 5/4/18 10:50  
 Received By: Marie Farnin Date/Time: 5/4/18 1200  
 Received By: Marie Farnin Date/Time: 5/4/18 1415

COOLER CUSTODY SEAL  
 Present / Not Present  
 Intact / Not Intact

Receipt Temp = ROT °C  
 Sample Receipt pH  
 OK / Adjusted

PAGE Project No. 10168020

(Please Print Clearly)



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

# CHAIN OF CUSTODY

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

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

V/I/N	Pick Letter	Analyses Requested
N	B	VOI
N	B	MEE (Methane, Ethane, Ethene)
N	C	TOC

Company Name: Gresyutte  
 Branch/Location: Megun, WI  
 Project Contact: Sim Bannawitay  
 Phone: 262 834 0223  
 Project Number: C  
 Project Name: Getzen  
 Project State: WI  
 Sampled By (Print): G. MacAlister  
 Sampled By (Sign): GAM  
 PO #: \_\_\_\_\_  
 Regulatory Program: \_\_\_\_\_

**Data Package Options**  
 EPA Level III  
 EPA Level IV  
 On your sample (billable)  
 NOT needed on your sample

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

PAGE LAB #	CLIENT FIELD ID	DATE	COLLECTION TIME	MATRIX
014	MW-13	5/2/18	1040	GW
015	P-1	5/2/18	1005	
016	P-3	5/2/18	1415	
017	Trip Blank	5/2/18		

Relinquished By:	Date/Time:	Received By:	Date/Time:
<u>GAM</u>	5/4/18 0800	<u>Sim Bannawitay</u>	5/4/18 10:50
<u>Maryanne</u>	5/4/18 1200	<u>Sim Bannawitay</u>	5/4/18 1200
<u>Maxine</u>	5/4/18 1415	<u>Maxine</u>	5/4/18 1415

**Quote #:** \_\_\_\_\_  
**Mail To Contact:** \_\_\_\_\_  
**Mail To Company:** Gresyutte  
**Mail To Address:** 10600 N. Port Washington  
STE 100  
Megun, WI 53092  
**Invoice To Contact:** Gresyutte  
**Invoice To Company:** \_\_\_\_\_  
**Invoice To Address:** \_\_\_\_\_  
**Invoice To Phone:** \_\_\_\_\_  
**CLIENT COMMENTS** (Lab Use Only)  
**LAB COMMENTS** (Lab Use Only)  
**Profile #** \_\_\_\_\_

**PACE Project No.** L1016800  
**Receipt Temp =** RO2 °C  
**Sample Receipt pH** \_\_\_\_\_  
**OK / Adjusted** \_\_\_\_\_  
**Cooler Custody Seal** \_\_\_\_\_  
**Present / Not Present** \_\_\_\_\_  
**Intact / Not Intact** \_\_\_\_\_

Client Name: Green Bay, WI

Sample Preservation Receipt Form  
Project # 42108620

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:

Page 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)
001	AG1U	BP1U	VG9U	JGFU	SP5T							2.5 / 5 / 10
002	AG1H	BP2N	VG9H	WGFU	ZPLC							2.5 / 5 / 10
003	AG4S	BP2Z	VG9M	WPFU	GN							2.5 / 5 / 10
004	AG4U	BP3U	VG9D									2.5 / 5 / 10
005	AG5U	BP3C										2.5 / 5 / 10
006	AG2S	BP3N										2.5 / 5 / 10
007	BG3U	BP3S										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,  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	SP5T	120 ml plastic Na Thiosulfate
AG1H	1 liter amber glass HCL	BP2N	500 ml plastic HNO3	DG9T	40 ml amber Na Thio	WGFU	4 oz clear jar unpres	ZPLC	ziploc bag
AG4S	125 ml amber glass H2SO4	BP2Z	500 ml plastic NaOH, Znact	VG9U	40 ml clear vial unpres	WPFU	4 oz plastic jar unpres	GN:	
AG4U	120 ml amber glass unpres	BP3U	250 ml plastic unpres	VG9H	40 ml clear vial HCL				
AG5U	100 ml amber glass unpres	BP3C	250 ml plastic NaOH	VG9M	40 ml clear vial MeOH				
AG2S	500 ml amber glass H2SO4	BP3N	250 ml plastic HNO3	VG9D	40 ml clear vial DI				
BG3U	250 ml clear glass unpres	BP3S	250 ml plastic H2SO4						



**Sample Condition Upon Receipt Form (SCUR)**

Client Name: Geosyntec

Project #: **WO# : 40168620**

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



Tracking #: \_\_\_\_\_  
Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no  
Custody Seal on Samples Present:  yes  no Seals intact:  yes  no  
Packing Material:  Bubble Wrap  Bubble Bags  None  Other  
Thermometer Used SR - NA Type of Ice:  Wet  Blue  Dry  None  Samples on ice, cooling process has begun  
Cooler Temperature Uncorr: R6P / Corr: \_\_\_\_\_  
Temp Blank Present:  yes  no Biological Tissue is Frozen:  yes  no

Person examining contents:  
Date: 5/4/18  
Initials: SSM

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time: _____
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>399</u>		

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

Project Manager Review: [Signature]

Date: 5-7-18

June 6, 2018

Mr. Bryan Arndt  
Applied Material Solutions  
1001 E. Centralia Street  
Elkhorn, Wisconsin 53121

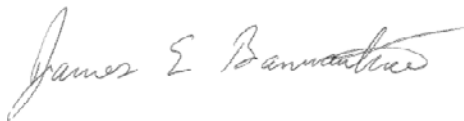
**RE:** Transmittal of Groundwater Monitoring Results for Applied Material Solutions (AMS) Property, 530 South County Highway H, Elkhorn, Wisconsin  
BRRTS# 02-65-245978, FID# 265006720

Dear Mr. Arndt:

Attached are the laboratory results for groundwater samples collected from your property in May 2018. Three locations (MW-11, MW-12 and MW-13) were sampled and submitted to Pace Analytical Laboratory (Wisconsin Certification #: 405132750) for analysis of volatile organic compounds (VOCs). Monitoring well locations are depicted in Figure 1. A copy of the laboratory analytical report is attached, and the analytical results are summarized in the attached Table 1. A copy of this letter has been provided to the WDNR for the Getzen Company, Inc. project case file.

Thank you for providing access to the AMS property. Please contact us if you have any questions.

Sincerely,



Jim Bannantine, P.G.  
Senior Geologist

Attached: Laboratory Analytical Report (Pace Analytical)  
Table 1 Summary of May 2018 Groundwater Sample Analytical Results  
Figure 1 Monitoring Well Locations for Applied Material Solutions

Copies:  
Jeff Ackerman, Project Manager, Wisconsin Department of Natural Resources  
Brett Getzen, President, Getzen Musical Instruments, Inc.



**APPLIED MATERIAL SOLUTIONS PROPERTY**

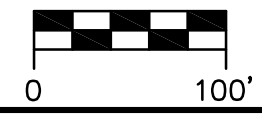
**GETZEN COMPANY PROPERTY**

MW-11

MW-12

MW-13

SCALE IN FEET



**LEGEND**

● MONITORING WELL LOCATION

**Geosyntec**  
consultants

CLIENT:	GETZEN COMPANY, INC.	
PROJECT:	GETZEN COMPANY, INC. SITE 530 SOUTH COUNTY HIGHWAY H ELKHORN, WISCONSIN	
TITLE:	MONITORING WELL LOCATIONS FOR APPLIED MATERIAL SOLUTIONS	
PROJECT:	CHW8297	FIGURE NO.: 1
DATE:	May 29, 2018	FILE NO.: 2018-05 G 020
		DRAWING NO.: 1 OF 1

SOURCE: WALWORTH COUNTY ON-LINE GIS

**TABLE 1**  
**SUMMARY OF MAY 2018 GROUNDWATER SAMPLE ANALYTICAL RESULTS**

**Applied Material Solutions**  
1001 E. Centralia Street  
Elkhorn, Wisconsin  
BRRTS # 02-65-245978

Date	5/2/2018		5/2/2018		5/2/2018		Groundwater Quality Standards	
Well No.	MW-11		MW-12		MW-13		ES <sup>1</sup> (ug/L)	PAL <sup>2</sup> (ug/L)
Screen Interval (feet bgs)	8-18		8-18		8-18			
Detected VOCs (ug/L)								
Benzene	<	0.50 U	<	0.50 U	<	0.50 U	5	0.5
Bromobenzene	<	0.23 U	<	0.23 U	<	0.23 U	NS	NS
Bromochloromethane	<	0.34 U	<	0.34 U	<	0.34 U	NS	NS
Bromodichloromethane	<	0.50 U	<	0.50 U	<	0.50 U	0.6	0.1
Bromoform	<	0.50 U	<	0.50 U	<	0.50 U	4	0.4
Bromomethane	<	2.4 U	<	2.4 U	<	2.4 U	10	1
n-Butylbenzene	<	0.50 U	<	0.50 U	<	0.50 U	NS	NS
sec-Butylbenzene	<	2.2 U	<	2.2 U	<	2.2 U	NS	NS
tert-Butylbenzene	<	0.18 U	<	0.18 U	<	0.18 U	NS	NS
Carbon tetrachloride	<	0.50 U	<	0.50 U	<	0.50 U	5	0.5
Chlorobenzene	<	0.50 U	<	0.50 U	<	0.50 U	NS	NS
Chloroethane	<	0.37 U	<	0.37 U	<	0.37 U	400	80
Chloroform	<	2.5 U	<	2.5 U	<	2.5 U	6	1
Chloromethane	<	0.50 U	<	0.50 U	<	0.50 U	30	3
2-Chlorotoluene	<	0.50 U	<	0.50 U	<	0.50 U	NS	NS
4-Chlorotoluene	<	0.21 U	<	0.21 U	<	0.21 U	NS	NS
1,2-Dibromo-3-chloropropane	<	2.2 U	<	2.2 U	<	2.2 U	0	0
Dibromochloromethane	<	0.50 U	<	0.50 U	<	0.50 U	60	6
1,2-Dibromoethane (EDB)	<	0.18 U	<	0.18 U	<	0.18 U	0	0
Dibromomethane	<	0.43 U	<	0.43 U	<	0.43 U	NS	NS
1,2-Dichlorobenzene	<	0.50 U	<	0.50 U	<	0.50 U	600	60
1,3-Dichlorobenzene	<	0.50 U	<	0.50 U	<	0.50 U	1,250	125
1,4-Dichlorobenzene	<	0.50 U	<	0.50 U	<	0.50 U	75	15
Dichlorodifluoromethane	<	0.22 U	<	0.22 U	<	0.22 U	1,000	200
1,1-Dichloroethane	<	0.24 U	<	0.24 U	<	0.24 U	850	85
1,2-Dichloroethane	<	0.17 U	<	0.17 U	<	0.17 U	5	0.5
1,1-Dichloroethene	<	0.41 U	<	0.41 U	<	0.41 U	7	0.7
cis-1,2-Dichloroethene	<	0.26 U	<	0.26 U	<	0.26 U	70	7
trans-1,2-Dichloroethene	<	0.26 U	<	0.26 U	<	0.26 U	100	20
1,2-Dichloropropane	<	0.23 U	<	0.23 U	<	0.23 U	5	0.5
1,3-Dichloropropane	<	0.50 U	<	0.50 U	<	0.50 U	NS	NS
2,2-Dichloropropane	<	0.48 U	<	0.48 U	<	0.48 U	NS	NS
1,1-Dichloropropene	<	0.44 U	<	0.44 U	<	0.44 U	NS	NS
cis-1,3-Dichloropropene	<	0.50 U	<	0.50 U	<	0.50 U	0.2	0.02
trans-1,3-Dichloropropene	<	0.23 U	<	0.23 U	<	0.23 U	0.2	0.02
Diisopropyl ether	<	0.50 U	<	0.50 U	<	0.50 U	NS	NS
Ethylbenzene	<	0.50 U	<	0.50 U	<	0.50 U	700	140
Hexachloro-1,3-butadiene	<	2.1 U	<	2.1 U	<	2.1 U	NS	NS
Isopropylbenzene (Cumene)	<	0.14 U	<	0.14 U	<	0.14 U	NS	NS
p-Isopropyltoluene	<	0.50 U	<	0.50 U	<	0.50 U	NS	NS
Methylene Chloride	<	0.23 U	<	0.23 U	<	0.23 U	5	1
Methyl-tert-butyl ether	<	0.17 U	<	0.17 U	<	0.17 U	60	12
Naphthalene	<	2.5 U	<	2.5 U	<	2.5 U	100	10
n-Propylbenzene	<	0.50 U	<	0.50 U	<	0.50 U	NS	NS
Styrene	<	0.50 U	<	0.50 U	<	0.50 U	100	10
1,1,1,2-Tetrachloroethane	<	0.18 U	<	0.18 U	<	0.18 U	70	7
1,1,2,2-Tetrachloroethane	<	0.25 U	<	0.25 U	<	0.25 U	0.2	0.02
Tetrachloroethene	<	0.50 U	<	0.50 U	<	0.50 U	5	0.5
Toluene	<	0.50 U	<	0.50 U	<	0.50 U	1,000	200
1,2,3-Trichlorobenzene	<	2.1 U	<	2.1 U	<	2.1 U	NS	NS
1,2,4-Trichlorobenzene	<	2.2 U	<	2.2 U	<	2.2 U	70	14
1,1,1-Trichloroethane	<	0.50 U	<	0.50 U	<	0.50 U	200	40
1,1,2-Trichloroethane	<	0.20 U	<	0.20 U	<	0.20 U	5	0.5
Trichloroethene	<	0.33 U	<	0.33 U	<	0.33 U	5	0.5
Trichlorofluoromethane	<	0.18 U	<	0.18 U	<	0.18 U	3,490	698
1,2,3-Trichloropropane	<	0.50 U	<	0.50 U	<	0.50 U	60	12
1,2,4-Trimethylbenzene	<	0.50 U	<	0.50 U	<	0.50 U	480*	96*
1,3,5-Trimethylbenzene	<	0.50 U	<	0.50 U	<	0.50 U		
Vinyl chloride	<	0.18 U	<	0.18 U	<	0.18 U	0.2	0.02
m&p-Xylene	<	1.0 U	<	1.0 U	<	1.0 U	2,000**	400**
o-Xylene	<	0.50 U	<	0.50 U	<	0.50 U		

Notes:

1. Wisconsin Administrative Code Chapter NR 140 Enforcement Standard. Concentrations that are bold exceed the ES.
2. Wisconsin Administrative Code Chapter NR 140 Preventative Action Limit. Concentrations in italics exceed the PAL.

bgs - below ground surface

NS = no NR 140 standard published.

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

\* The ES and PAL for trimethylbenzenes applies to the sum of the 1,2,4- and 1,3,5- isomers

\*\* The ES and PAL for xylenes applies to the sum of the m-, p- and o-isomers

VOCs - Volatile Organic Compounds

ug/L - micrograms per Liter

May 21, 2018

Jim Bannantine  
GEOSYNTEC CONSULTANTS  
10600 North Port Washington Rd  
Suite 100  
Thiensville, WI 53092

RE: Project: GETZEN  
Pace Project No.: 40168620

Dear Jim Bannantine:

Enclosed are the analytical results for sample(s) received by the laboratory on May 04, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Brian Basten  
brian.basten@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: Jeremiah Johnson, GEOSYNTEC CONSULTANTS



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: GETZEN

Pace Project No.: 40168620

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### Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: GETZEN  
Pace Project No.: 40168620

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Lab ID	Sample ID	Matrix	Date Collected	Date Received
40168620012	MW-11	Water	05/02/18 12:10	05/04/18 14:15
40168620013	MW-12	Water	05/02/18 11:25	05/04/18 14:15
40168620014	MW-13	Water	05/02/18 10:40	05/04/18 14:15

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: GETZEN  
Pace Project No.: 40168620

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Lab ID	Sample ID	Method	Analysts	Analytes Reported
40168620012	MW-11	EPA 8260	HNW	64
40168620013	MW-12	EPA 8260	HNW	64
40168620014	MW-13	EPA 8260	HNW	64

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

**Sample: MW-11**      **Lab ID: 40168620012**      Collected: 05/02/18 12:10      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/09/18 09:45	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/09/18 09:45	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/09/18 09:45	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/09/18 09:45	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/09/18 09:45	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/09/18 09:45	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/09/18 09:45	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/09/18 09:45	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/09/18 09:45	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/09/18 09:45	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/09/18 09:45	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/09/18 09:45	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/09/18 09:45	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/09/18 09:45	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/09/18 09:45	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/09/18 09:45	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/09/18 09:45	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/09/18 09:45	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/09/18 09:45	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/09/18 09:45	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/09/18 09:45	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/09/18 09:45	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/09/18 09:45	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/09/18 09:45	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/09/18 09:45	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/09/18 09:45	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/09/18 09:45	630-20-6	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

Sample: MW-11 Lab ID: 40168620012 Collected: 05/02/18 12:10 Received: 05/04/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/09/18 09:45	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/09/18 09:45	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/09/18 09:45	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/09/18 09:45	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/09/18 09:45	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/09/18 09:45	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/09/18 09:45	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/09/18 09:45	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/09/18 09:45	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	61-130		1		05/09/18 09:45	460-00-4	
Dibromofluoromethane (S)	104	%	67-130		1		05/09/18 09:45	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		05/09/18 09:45	2037-26-5	

Sample: MW-12 Lab ID: 40168620013 Collected: 05/02/18 11:25 Received: 05/04/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/09/18 10:07	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/09/18 10:07	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/09/18 10:07	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/09/18 10:07	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/09/18 10:07	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/09/18 10:07	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/09/18 10:07	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/09/18 10:07	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/09/18 10:07	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/09/18 10:07	106-93-4	

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## ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

**Sample: MW-12**      **Lab ID: 40168620013**      Collected: 05/02/18 11:25      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/09/18 10:07	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/09/18 10:07	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/09/18 10:07	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/09/18 10:07	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/09/18 10:07	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/09/18 10:07	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/09/18 10:07	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/09/18 10:07	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/09/18 10:07	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/09/18 10:07	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/09/18 10:07	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/09/18 10:07	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/09/18 10:07	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/09/18 10:07	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/09/18 10:07	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/09/18 10:07	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/09/18 10:07	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/09/18 10:07	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/09/18 10:07	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/09/18 10:07	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/09/18 10:07	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/09/18 10:07	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/09/18 10:07	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/09/18 10:07	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/09/18 10:07	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:07	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	61-130		1		05/09/18 10:07	460-00-4	
Dibromofluoromethane (S)	106	%	67-130		1		05/09/18 10:07	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		05/09/18 10:07	2037-26-5	

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## ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

**Sample: MW-13**      **Lab ID: 40168620014**      Collected: 05/02/18 10:40      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/09/18 10:29	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/09/18 10:29	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/09/18 10:29	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/09/18 10:29	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/09/18 10:29	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/09/18 10:29	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/09/18 10:29	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/09/18 10:29	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/09/18 10:29	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/09/18 10:29	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/09/18 10:29	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/09/18 10:29	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/09/18 10:29	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/09/18 10:29	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/09/18 10:29	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/09/18 10:29	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/09/18 10:29	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/09/18 10:29	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/09/18 10:29	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/09/18 10:29	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/09/18 10:29	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/09/18 10:29	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/09/18 10:29	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/09/18 10:29	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/09/18 10:29	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/09/18 10:29	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/09/18 10:29	630-20-6	

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## ANALYTICAL RESULTS

Project: GETZEN  
Pace Project No.: 40168620

**Sample: MW-13**      **Lab ID: 40168620014**      Collected: 05/02/18 10:40      Received: 05/04/18 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/09/18 10:29	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/09/18 10:29	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/09/18 10:29	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/09/18 10:29	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/09/18 10:29	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/09/18 10:29	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/09/18 10:29	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/09/18 10:29	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/09/18 10:29	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	61-130		1		05/09/18 10:29	460-00-4	
Dibromofluoromethane (S)	105	%	67-130		1		05/09/18 10:29	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		05/09/18 10:29	2037-26-5	

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### QUALITY CONTROL DATA

Project: GETZEN  
Pace Project No.: 40168620

QC Batch: 288093 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Associated Lab Samples: 40168620012, 40168620013, 40168620014

METHOD BLANK: 1685746 Matrix: Water  
Associated Lab Samples: 40168620012, 40168620013, 40168620014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	05/08/18 11:32	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	05/08/18 11:32	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	05/08/18 11:32	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	05/08/18 11:32	
1,1-Dichloroethane	ug/L	<0.24	1.0	05/08/18 11:32	
1,1-Dichloroethene	ug/L	<0.41	1.0	05/08/18 11:32	
1,1-Dichloropropene	ug/L	<0.44	1.0	05/08/18 11:32	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	05/08/18 11:32	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	05/08/18 11:32	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	05/08/18 11:32	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	05/08/18 11:32	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	05/08/18 11:32	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	05/08/18 11:32	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	05/08/18 11:32	
1,2-Dichloroethane	ug/L	<0.17	1.0	05/08/18 11:32	
1,2-Dichloropropane	ug/L	<0.23	1.0	05/08/18 11:32	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	05/08/18 11:32	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	05/08/18 11:32	
1,3-Dichloropropane	ug/L	<0.50	1.0	05/08/18 11:32	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	05/08/18 11:32	
2,2-Dichloropropane	ug/L	<0.48	1.0	05/08/18 11:32	
2-Chlorotoluene	ug/L	<0.50	1.0	05/08/18 11:32	
4-Chlorotoluene	ug/L	<0.21	1.0	05/08/18 11:32	
Benzene	ug/L	<0.50	1.0	05/08/18 11:32	
Bromobenzene	ug/L	<0.23	1.0	05/08/18 11:32	
Bromochloromethane	ug/L	<0.34	1.0	05/08/18 11:32	
Bromodichloromethane	ug/L	<0.50	1.0	05/08/18 11:32	
Bromoform	ug/L	<0.50	1.0	05/08/18 11:32	
Bromomethane	ug/L	<2.4	5.0	05/08/18 11:32	
Carbon tetrachloride	ug/L	<0.50	1.0	05/08/18 11:32	
Chlorobenzene	ug/L	<0.50	1.0	05/08/18 11:32	
Chloroethane	ug/L	<0.37	1.0	05/08/18 11:32	
Chloroform	ug/L	<2.5	5.0	05/08/18 11:32	
Chloromethane	ug/L	<0.50	1.0	05/08/18 11:32	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	05/08/18 11:32	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	05/08/18 11:32	
Dibromochloromethane	ug/L	<0.50	1.0	05/08/18 11:32	
Dibromomethane	ug/L	<0.43	1.0	05/08/18 11:32	
Dichlorodifluoromethane	ug/L	<0.22	1.0	05/08/18 11:32	
Diisopropyl ether	ug/L	<0.50	1.0	05/08/18 11:32	
Ethylbenzene	ug/L	<0.50	1.0	05/08/18 11:32	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: GETZEN  
Pace Project No.: 40168620

METHOD BLANK: 1685746 Matrix: Water  
Associated Lab Samples: 40168620012, 40168620013, 40168620014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	05/08/18 11:32	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	05/08/18 11:32	
m&p-Xylene	ug/L	<1.0	2.0	05/08/18 11:32	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	05/08/18 11:32	
Methylene Chloride	ug/L	<0.23	1.0	05/08/18 11:32	
n-Butylbenzene	ug/L	<0.50	1.0	05/08/18 11:32	
n-Propylbenzene	ug/L	<0.50	1.0	05/08/18 11:32	
Naphthalene	ug/L	<2.5	5.0	05/08/18 11:32	
o-Xylene	ug/L	<0.50	1.0	05/08/18 11:32	
p-Isopropyltoluene	ug/L	<0.50	1.0	05/08/18 11:32	
sec-Butylbenzene	ug/L	<2.2	5.0	05/08/18 11:32	
Styrene	ug/L	<0.50	1.0	05/08/18 11:32	
tert-Butylbenzene	ug/L	<0.18	1.0	05/08/18 11:32	
Tetrachloroethene	ug/L	<0.50	1.0	05/08/18 11:32	
Toluene	ug/L	<0.50	1.0	05/08/18 11:32	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	05/08/18 11:32	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	05/08/18 11:32	
Trichloroethene	ug/L	<0.33	1.0	05/08/18 11:32	
Trichlorofluoromethane	ug/L	<0.18	1.0	05/08/18 11:32	
Vinyl chloride	ug/L	<0.18	1.0	05/08/18 11:32	
4-Bromofluorobenzene (S)	%	93	61-130	05/08/18 11:32	
Dibromofluoromethane (S)	%	103	67-130	05/08/18 11:32	
Toluene-d8 (S)	%	99	70-130	05/08/18 11:32	

LABORATORY CONTROL SAMPLE: 1685747

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.2	100	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.0	98	70-130	
1,1,2-Trichloroethane	ug/L	50	48.8	98	70-130	
1,1-Dichloroethane	ug/L	50	60.5	121	71-132	
1,1-Dichloroethene	ug/L	50	61.5	123	75-130	
1,2,4-Trichlorobenzene	ug/L	50	47.6	95	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	42.0	84	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	49.1	98	70-130	
1,2-Dichlorobenzene	ug/L	50	49.1	98	70-130	
1,2-Dichloroethane	ug/L	50	50.7	101	70-131	
1,2-Dichloropropane	ug/L	50	48.9	98	80-120	
1,3-Dichlorobenzene	ug/L	50	48.9	98	70-130	
1,4-Dichlorobenzene	ug/L	50	48.3	97	70-130	
Benzene	ug/L	50	50.0	100	73-145	
Bromodichloromethane	ug/L	50	48.2	96	70-130	
Bromoform	ug/L	50	41.6	83	67-130	
Bromomethane	ug/L	50	44.9	90	26-128	

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### QUALITY CONTROL DATA

Project: GETZEN  
Pace Project No.: 40168620

LABORATORY CONTROL SAMPLE: 1685747

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	49.7	99	70-133	
Chlorobenzene	ug/L	50	49.9	100	70-130	
Chloroethane	ug/L	50	54.6	109	58-120	
Chloroform	ug/L	50	49.3	99	80-121	
Chloromethane	ug/L	50	47.2	94	40-127	
cis-1,2-Dichloroethene	ug/L	50	50.5	101	70-130	
cis-1,3-Dichloropropene	ug/L	50	44.5	89	70-130	
Dibromochloromethane	ug/L	50	51.4	103	70-130	
Dichlorodifluoromethane	ug/L	50	36.2	72	20-135	
Ethylbenzene	ug/L	50	49.7	99	87-129	
Isopropylbenzene (Cumene)	ug/L	50	50.9	102	70-130	
m&p-Xylene	ug/L	100	101	101	70-130	
Methyl-tert-butyl ether	ug/L	50	54.9	110	66-143	
Methylene Chloride	ug/L	50	56.7	113	70-130	
o-Xylene	ug/L	50	49.8	100	70-130	
Styrene	ug/L	50	50.2	100	70-130	
Tetrachloroethene	ug/L	50	50.8	102	70-130	
Toluene	ug/L	50	48.8	98	82-130	
trans-1,2-Dichloroethene	ug/L	50	59.5	119	75-132	
trans-1,3-Dichloropropene	ug/L	50	42.3	85	70-130	
Trichloroethene	ug/L	50	51.2	102	70-130	
Trichlorofluoromethane	ug/L	50	62.0	124	76-133	
Vinyl chloride	ug/L	50	54.4	109	57-136	
4-Bromofluorobenzene (S)	%			98	61-130	
Dibromofluoromethane (S)	%			105	67-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1685748 1685749

Parameter	Units	40168620009		MSD		MSD		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
1,1,1-Trichloroethane	ug/L	<0.50	100	100	105	95.8	105	96	70-134	9	20			
1,1,2,2-Tetrachloroethane	ug/L	<0.25	100	100	99.4	90.8	99	91	70-130	9	20			
1,1,2-Trichloroethane	ug/L	<0.20	100	100	99.0	91.7	99	92	70-130	8	20			
1,1-Dichloroethane	ug/L	<0.24	100	100	125	112	125	112	71-133	11	20			
1,1-Dichloroethene	ug/L	<0.41	100	100	129	113	129	113	75-136	13	20			
1,2,4-Trichlorobenzene	ug/L	<2.2	100	100	104	93.0	104	93	70-130	12	20			
1,2-Dibromo-3-chloropropane	ug/L	<2.2	100	100	86.8	80.7	87	81	63-123	7	20			
1,2-Dibromoethane (EDB)	ug/L	<0.18	100	100	102	92.4	102	92	70-130	10	20			
1,2-Dichlorobenzene	ug/L	<0.50	100	100	104	93.5	104	94	70-130	11	20			
1,2-Dichloroethane	ug/L	<0.17	100	100	105	95.3	105	95	70-131	10	20			
1,2-Dichloropropane	ug/L	<0.23	100	100	103	92.3	103	92	80-120	11	20			
1,3-Dichlorobenzene	ug/L	<0.50	100	100	105	93.4	105	93	70-130	11	20			
1,4-Dichlorobenzene	ug/L	<0.50	100	100	102	91.6	102	92	70-130	11	20			

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### QUALITY CONTROL DATA

Project: GETZEN  
Pace Project No.: 40168620

Parameter	Units	1685748		1685749		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40168620009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Benzene	ug/L	<0.50	100	100	104	94.4	104	94	73-145	9	20	
Bromodichloromethane	ug/L	<0.50	100	100	100	92.3	100	92	70-130	8	20	
Bromoform	ug/L	<0.50	100	100	86.8	79.9	87	80	67-130	8	20	
Bromomethane	ug/L	<2.4	100	100	95.7	90.6	96	91	26-129	5	20	
Carbon tetrachloride	ug/L	<0.50	100	100	102	94.0	102	94	70-134	8	20	
Chlorobenzene	ug/L	<0.50	100	100	105	94.7	105	95	70-130	11	20	
Chloroethane	ug/L	<0.37	100	100	111	99.9	111	100	58-120	11	20	
Chloroform	ug/L	<2.5	100	100	102	92.3	102	92	80-121	9	20	
Chloromethane	ug/L	<0.50	100	100	94.2	87.7	94	88	40-128	7	20	
cis-1,2-Dichloroethene	ug/L	8.3	100	100	112	102	104	94	70-130	9	20	
cis-1,3-Dichloropropene	ug/L	<0.50	100	100	95.3	87.5	95	87	70-130	9	20	
Dibromochloromethane	ug/L	<0.50	100	100	109	99.8	109	100	70-130	9	20	
Dichlorodifluoromethane	ug/L	<0.22	100	100	91.1	80.9	91	81	20-146	12	20	
Ethylbenzene	ug/L	<0.50	100	100	106	94.4	106	94	87-129	12	20	
Isopropylbenzene (Cumene)	ug/L	<0.14	100	100	109	97.0	109	97	70-130	12	20	
m&p-Xylene	ug/L	<1.0	200	200	215	191	107	95	70-130	12	20	
Methyl-tert-butyl ether	ug/L	<0.17	100	100	111	102	111	102	66-143	8	20	
Methylene Chloride	ug/L	<0.23	100	100	116	105	116	105	70-130	10	20	
o-Xylene	ug/L	<0.50	100	100	106	93.8	106	94	70-130	12	20	
Styrene	ug/L	<0.50	100	100	105	92.2	105	92	70-130	13	20	
Tetrachloroethene	ug/L	<0.50	100	100	110	97.6	110	98	70-130	12	20	
Toluene	ug/L	<0.50	100	100	104	92.7	104	93	82-131	12	20	
trans-1,2-Dichloroethene	ug/L	<0.26	100	100	125	111	125	111	75-135	11	20	
trans-1,3-Dichloropropene	ug/L	<0.23	100	100	91.1	82.5	91	82	70-130	10	20	
Trichloroethene	ug/L	2.4	100	100	109	100	107	98	70-130	9	20	
Trichlorofluoromethane	ug/L	<0.18	100	100	130	116	130	116	76-150	11	20	
Vinyl chloride	ug/L	8.3	100	100	118	105	110	97	56-143	12	20	
4-Bromofluorobenzene (S)	%							99	61-130			
Dibromofluoromethane (S)	%							104	67-130			
Toluene-d8 (S)	%							99	70-130			

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## QUALIFIERS

Project: GETZEN  
Pace Project No.: 40168620

---

### DEFINITIONS

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

ND - Not Detected at or above LOD.

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

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GETZEN  
Pace Project No.: 40168620

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Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40168620012	MW-11	EPA 8260	288093		
40168620013	MW-12	EPA 8260	288093		
40168620014	MW-13	EPA 8260	288093		

### REPORT OF LABORATORY ANALYSIS

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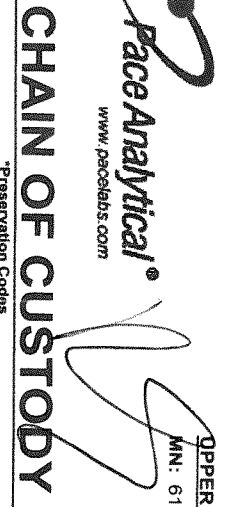
(Please Print Clearly)

Company Name: Gressyrite  
 Branch/Location: McJannet, WI  
 Project Contact: Sim Bannawitho  
 Phone: 262 824 0223  
 Project Number: 62720  
 Project Name: Getzen  
 Project State: WI  
 Sampled By (Print): E. Maudslayi  
 Sampled By (Sign): [Signature]  
 PO #: \_\_\_\_\_  
 Regulatory Program: \_\_\_\_\_

**Data Package Options**  
 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



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

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

Y/N	Pick Letter	Analyses Requested	
		Analysis	Matrix
N	B	VOCs	W
N	B	MEB Methane, Ethane, Ethanol	W
N	C	TOC	W

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

Transmit Prelim Rush Results by (complete what you want):  
 Email #1: \_\_\_\_\_  
 Email #2: \_\_\_\_\_  
 Telephone: \_\_\_\_\_  
 Fax: \_\_\_\_\_

Relinquished By: [Signature] Date/Time: 5/4/18 0800

Relinquished By: Marie Farnin Date/Time: 5/4/18 1900

Relinquished By: Marie Farnin Date/Time: 5/4/18 1415

**Quote #:** \_\_\_\_\_

Mail To Contact: Sim Bannawitho

Mail To Company: Gressyrite

Mail To Address: 10600 Port Washington St 100 McJannet WI 53092

Invoice To Contact: Gressyrite

Invoice To Company: \_\_\_\_\_

Invoice To Address: \_\_\_\_\_

Invoice To Phone: \_\_\_\_\_

CLIENT COMMENTS: \_\_\_\_\_

LAB COMMENTS (Lab Use Only): \_\_\_\_\_

Profile #: \_\_\_\_\_

DATE	TIME	MATRIX	Received By:	Date/Time:
5/2/18	1325	W	[Signature]	5/4/18 0800
5/5/18	1310	W	[Signature]	5/4/18 1900
5/5/18	1700	W	[Signature]	5/4/18 1415
5/4/18	0745	W	[Signature]	5/4/18 10:50
5/6/18	1400	W	[Signature]	5/4/18 1200
5/9/18	1400	W	[Signature]	5/4/18 1415
5/2/18	1505	W	[Signature]	5/4/18 1415
5/2/18	1555	W	[Signature]	5/4/18 1415
5/3/18	1500	W	[Signature]	5/4/18 1415
5/2/18	1700	W	[Signature]	5/4/18 1415
5/3/18	1735	W	[Signature]	5/4/18 1415
5/2/18	1210	W	[Signature]	5/4/18 1415
5/2/18	1125	W	[Signature]	5/4/18 1415

PAGE Project No. 10168020

Receipt Temp = ROT °C

Sample Receipt pH \_\_\_\_\_

OK / Adjusted \_\_\_\_\_

Cooler Custody Seal Present / Not Present Intact / Not Intact

(Please Print Clearly)

Company Name: Greasytite  
 Branch/Location: Meguson, WI  
 Project Contact: Sim Bannawitay  
 Phone: 262 834 0223  
 Project Number: C  
 Project Name: Getzen  
 Project State: WI  
 Sampled By (Print): G. MacAlister  
 Sampled By (Sign): GAM  
 PO #:



# 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

Regulatory Program:  
 FILTERED? (YES/NO)  
 PRESERVATION (CODE)\*

Data Package Options (billable)  
 EPA Level III  
 EPA Level IV  
 On your sample (billable)  
 NOT needed on your sample

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

PAGE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
014	MW-13	5/2/18	1040	GW
015	P-1	5/2/18	1005	
016	P-3	5/2/18	1415	
017	Trip Blank	5/2/18		

Analyses Requested	V/I/N	Pick Letter	N	B	C
VOC		B	X		
MEE (Methane, Ethane, Ethene)		B	X		
TOC		C	X		

Relinquished By: [Signature] Date/Time: 5/4/18 0800  
 Relinquished By: [Signature] Date/Time: 5/4/18 1200  
 Relinquished By: [Signature] Date/Time: 5/4/18 1415  
 Relinquished By: [Signature] Date/Time: 5/4/18 1415

Quote #: \_\_\_\_\_  
 Mail To Contact: Sim Bannawitay  
 Mail To Company: Greasytite  
 Mail To Address: 10600 N. Port Washington Ave Ste 100 Meguson, WI 53092  
 Invoice To Contact: Greasytite  
 Invoice To Company: \_\_\_\_\_  
 Invoice To Address: \_\_\_\_\_  
 Invoice To Phone: \_\_\_\_\_  
 CLIENT COMMENTS: \_\_\_\_\_  
 LAB COMMENTS (Lab Use Only): \_\_\_\_\_  
 Profile #: \_\_\_\_\_

Received By: [Signature] Date/Time: 5/4/18 10:50  
 Received By: [Signature] Date/Time: 5/4/18 1200  
 Received By: [Signature] Date/Time: 5/4/18 1415  
 Received By: [Signature] Date/Time: 5/4/18 1415

PACE Project No. L1016800  
 Receipt Temp = RO2 °C  
 Sample Receipt pH OK / Adjusted  
 Cooler Custody Seal Present / Not Present Intact / Not Intact

Client Name: Green Bay, WI

### Sample Preservation Receipt Form

Project # 42168620

Pace Analytical Services, LLC  
1241 Bellevue Street, Suite 9  
Green Bay, WI 54802

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: \_\_\_\_\_

Page Lab #	Glass			Plastic			Vials				Jars		General		VOA Vials (>6mm) *					Volume (mL)															
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M		VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted			
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,  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	SP5T	120 mL plastic Na Thiosulfate
AG1H	1 liter amber glass HCL	BP2N	500 ml plastic HNO3	DG9T	40 ml amber Na Thio	WGFU	4 oz clear jar unpres	ZPLC	ziploc bag
AG4S	125 ml amber glass H2SO4	BP2Z	500 ml plastic NaOH, Znact	VG9U	40 ml clear vial unpres	WPFU	4 oz plastic jar unpres	GN:	
AG4U	120 ml amber glass unpres	BP3U	250 ml plastic unpres	VG9H	40 ml clear vial HCL				
AG5U	100 ml amber glass unpres	BP3C	250 ml plastic NaOH	VG9M	40 ml clear vial MeOH				
AG2S	500 ml amber glass H2SO4	BP3N	250 ml plastic HNO3	VG9D	40 ml clear vial DI				
BG3U	250 ml clear glass unpres	BP3S	250 ml plastic H2SO4						

**Sample Condition Upon Receipt Form (SCUR)**

Client Name: Geosyntec

Project #: **WO# : 40168620**

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



Tracking #: \_\_\_\_\_  
Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no  
Custody Seal on Samples Present:  yes  no Seals intact:  yes  no  
Packing Material:  Bubble Wrap  Bubble Bags  None  Other  
Thermometer Used SR - NA Type of Ice:  Wet  Blue  Dry  None  Samples on ice, cooling process has begun  
Cooler Temperature Uncorr: R62 / Corr: \_\_\_\_\_  
Temp Blank Present:  yes  no Biological Tissue is Frozen:  yes  no

Person examining contents:  
Date: 5/4/18  
Initials: SSM

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time: _____
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>399</u>		

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

Project Manager Review: [Signature]

Date: 5-7-18