

December 1, 2020

Ms. Jennifer Dorman  
Environmental Program Associate  
Remediation and Redevelopment Program  
Wisconsin Department of Natural Resources  
2300 N. Dr. Martin Luther King Jr. Drive  
Milwaukee, WI 53212-3128

**Subject: Site Investigation Work Plan Modification**  
Milwaukee Die Casting Company Site  
4132 North Holton Street, Milwaukee, Wisconsin  
WDNR BRRTS # 02-41-000023  
WDNR FID # 241228240

Dear Ms. Dorman,

We are writing to request a modification to the November 12, 2019 Updated Site Investigation Work Plan (“SIWP”) for the Milwaukee Die Casting Company Site (“Site”). This letter is being submitted on behalf of Pharmacia LLC (Pharmacia), which is acting on behalf of Fisher Controls International, Inc. (Fisher) in this matter.<sup>1</sup>

The purpose of this letter is to request WDNR approval to modify the scope of groundwater sampling by reducing the analytical parameter list for the second round of sampling. This request is based upon analytical results for a first round of groundwater samples, which as described in more detail below, did not detect semi-volatile organic compounds (SVOCs) and polychlorinated biphenyls (PCBs).

The letter also provides notice to the WDNR of planned additional soil gas sampling.

#### Proposed Groundwater Sampling Scope Modification

Pursuant to the SIWP, groundwater monitoring wells were installed<sup>2</sup> in August/September 2020 and sampled<sup>3</sup> in September/October 2020. The installed groundwater monitoring well locations are depicted on attached **Figure 1 (Attachment 1)**. Two monitoring wells (MW-10 and MW-11) did not produce sufficient groundwater for analysis of all parameters presented in the SIWP. Specifically,

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<sup>1</sup> By submitting this letter, neither Pharmacia nor Fisher is waiving any of its rights under federal or state law. Additionally, nothing in this letter should be deemed an admission of fact or law, or a waiver of any defense or right to contest Pharmacia or Fisher's liability under any state or federal law.

<sup>2</sup> Pursuant to April 2020 correspondence with WDNR, implemented changes to the SIWP included the addition of one groundwater monitoring well (MW-14) and locational changes to several of the groundwater monitoring wells due to boring clearance safety protocols.

SVOCs and geochemical parameters for MW-10 groundwater, and SVOCs, geochemical parameters, and filtered PCBs for MW-11 groundwater were not analyzed.

The groundwater sample laboratory analytical data are summarized in attached **Table 1 (Attachment 2)**. The laboratory reports are included in **Attachment 2**. As shown in **Table 1**, total and dissolved PCBs and SVOCs were not detected in any of the groundwater samples analyzed for these parameters. Therefore, Pharmacia requests approval to eliminate these parameters from the second round of sampling. The planned second round of groundwater sampling is scheduled for December 2020 or January 2021.

#### Additional Soil Gas Sampling

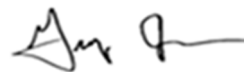
The soil gas probes were installed<sup>4</sup> in September and sampled in October 2020. The soil gas sample laboratory analytical data are summarized in **Table 2 (Attachment 3)**. The laboratory report is also included in **Attachment 3**. An additional round of soil gas sampling<sup>5</sup> is scheduled for December 2020 or January 2021.

Please contact us if you have any questions regarding this letter.

Sincerely,



Jeremiah Johnson, P.G.  
Project Geologist  
(licensed P.G. in WI)



Greg Johnson, P.H., P.G., P.E.  
Senior Engineer  
(licensed P.E. in WI, P.H. in WI, P.G. in IL, WI)

Attachment 1 - Figure 1  
Attachment 2 - Groundwater Sampling Data  
Attachment 3 - Soil Gas Sampling Data

cc: Mr. Christopher Clark, Pharmacia LLC  
Ms. Mary Jo Anzia, BSI  
Mr. Stephen Mueller, WDNR

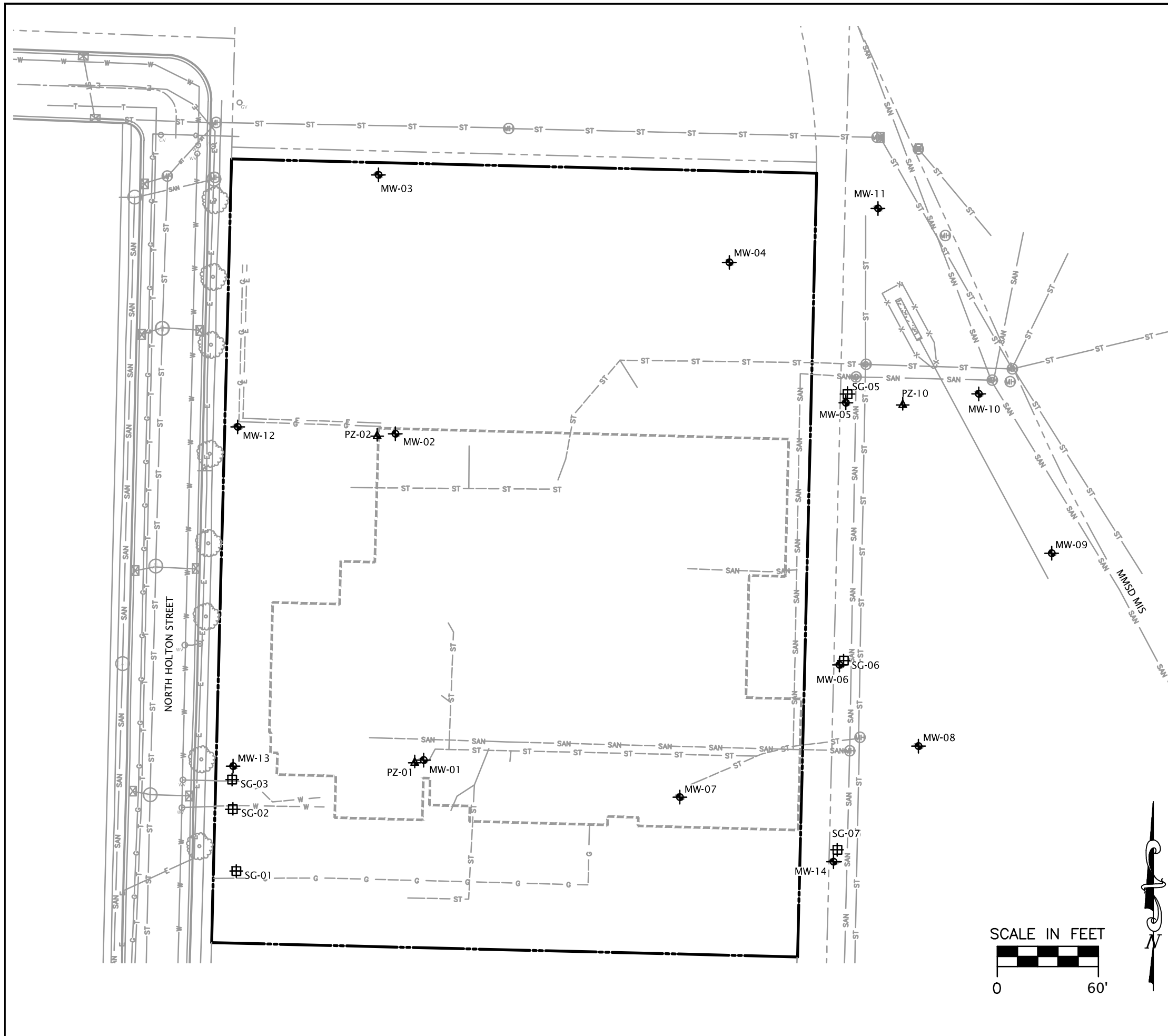
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<sup>4</sup> One of the planned soil gas probes (SG-4) could not be adequately installed due encountered obstructions and hole collapse.

<sup>5</sup> One round of soil gas sampling was originally planned pursuant to the SIWP.

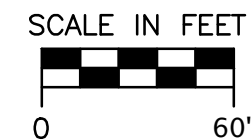
# ATTACHMENT 1

## Figures



**LEGEND**

- APPROXIMATE SITE PROPERTY LINE
- APPROXIMATE ADJACENT PROPERTY LINES
- APPROXIMATE FORMER BUILDING FOOTPRINT
- MW-07 MONITORING WELL LOCATION (2020)
- PZ-02 PIEZOMETER LOCATION (2020)
- SG-07 SOIL GAS PROBE LOCATION (2020)
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING WATER
- EXISTING GAS
- EXISTING ELECTRIC
- TRANSMISSION TOWER GUY WIRE FENCE
- APPROXIMATE OVERHEAD TRANSMISSION TOWER GUY WIRE
- FORMER NATURAL GAS UTILITY
- FORMER WATER UTILITY
- FORMER STORM SEWER
- FORMER SANITARY SEWER
- CATCH BASIN
- MANHOLE (STORM)
- MANHOLE (SANITARY)
- HYDRANT
- VALVE (GAS)
- VALVE (WATER)



<b>Geosyntec</b> consultants		
CLIENT:	PHARMACIA, LLC.	
PROJECT:	MILWAUKEE DIE CASTING COMPANY (MDCC) SITE 4132 NORTH HOLTON STREET MILWAUKEE, WISCONSIN	
TITLE:	SUPPLEMENTAL SITE INVESTIGATION LOCATIONS	
PROJECT: CHW8271M	FIGURE NO.: 1	DRAWING NO.:
DATE: October 28, 2020	FILE NO.: 2010MDCC912	1 OF 1

# **ATTACHMENT 2**

## **Groundwater Sample Analytical Data**

**Site Investigation Work Plan Modification**  
Milwaukee Die Casting Company Site  
4132 North Holton Street  
Milwaukee, Wisconsin  
WDNR BRRTS # 02-41-00023  
WDNR FID # 241228240

**TABLE 1**  
**Summary of Groundwater Sample Analytical Results**  
 Milwaukee Die Casting Company Site  
 4132 North Holton Street  
 Milwaukee, Wisconsin

Well Identification	MW-1	PZ-1	MW-2	PZ-2	MW-3	MW-3 DUP	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	PZ-10	MW-11	MW-12	MW-12 DUP	MW-13	MW-14	NR 140 Groundwater Quality Standard		
Approximate Screen Interval (ft bgs)	5-15	31-36	5-15	32-37	5.5-15.5	5.5-15.5	7.5-17.5	7-17	8-18	5-15	7-17	5-15	8-18	28-33	5-15	5-15	5-15	5-15	8-18	PAL	ES	
Sample Date	9/25/2020	9/25/2020	9/24/2020	9/25/2020	9/23/2020	9/23/2020	9/24/2020	10/29/2020	9/25/2020	9/24/2020	9/24/2020	9/24/2020	10/29/2020	9/25/2020	10/29/220	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020		
Analytical Parameters																						
Detected VOCs (µg/L)																						
1,1,1-Trichloroethane	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	17.3	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	40	200
1,1-Dichloroethane	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	7.21	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	85	850
1,1-Dichloroethene	<b>9.52</b>	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	0.7	7
cis-1,2-Dichloroethene	<b>3150</b>	<b>128 J</b>	4.35	< 2.00	< 2.00	< 2.00	<b>27.8</b>	< 2.00	6.39	<b>48.8</b>	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	<b>21.7</b>	7	70
Tetrachloroethene	<b>2230</b>	<b>325</b>	<b>5.55</b>	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	0.5	5
trans-1,2-Dichloroethene	<b>22.2</b>	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	20	100
Trichloroethene	<b>2580</b>	<b>109</b>	< 2.00	< 2.00	< 2.00	< 2.00	<b>10.6</b>	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	0.5	5
Vinyl chloride	<b>217</b>	<b>10.9</b>	< 2.00	< 2.00	< 2.00	< 2.00	<b>4.31</b>	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	0.02	0.2
PCBs, Total (unfiltered)	< 0.515	< 0.519	< 0.529	< 0.511	< 0.524	< 0.508	< 0.535	< 0.617	< 0.568	< 0.508	< 0.508	< 0.515	< 0.546	< 0.572	< 0.533	< 0.524	< 0.534	< 0.517	< 0.531	0.003	0.03	
PCBs, Total (filtered)	< 0.531	< 0.510	< 0.540	< 0.508	< 0.507	< 0.507	< 0.532	< 0.527	< 0.534	< 0.520	< 0.508	< 0.518	< 0.512	< 0.533	-- <sup>(1)</sup>	< 0.532	< 0.525	< 0.513	< 0.530	0.003	0.03	
SVOCs (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-- <sup>(1)</sup>	ND	-- <sup>(1)</sup>	ND	ND	ND	ND	--	--
1,4-Dioxane (µg/L)	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	<b>28.2</b>	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.3	3
MNA Geochemical Monitoring Parameters																						
Ethane (µg/L)	< 1.2	< 1.2	< 1.2	2.1 J	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	-- <sup>(1)</sup>	< 1.2	-- <sup>(1)</sup>	< 1.2	< 1.2	< 1.2	< 1.2	--	--
Ethene (µg/L)	33.3	1.8 J	< 1.2	1.2 J	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	-- <sup>(1)</sup>	< 1.2	-- <sup>(1)</sup>	< 1.2	< 1.2	< 1.2	< 1.2	--	--
Methane (µg/L)	147	5.0	2.0 J	26.6	1.8J	1.4 J	<0.66	1.2 J	9.4	4.3	0.74 J	1.7 J	1.7 J	-- <sup>(1)</sup>	0.81 J	-- <sup>(1)</sup>	1.1 J	0.81 J	1.3 J	1.3 J	--	--
TOC (mg/L)	3.25	3.92 J	1.93	2.98	3.83	3.82	10.8	3.86	6.84	3.05	3.88	3.85	3.85	-- <sup>(1)</sup>	2.13	-- <sup>(1)</sup>	2.75	2.44	2.39	2.84	--	--

*Notes:*  
 bold - concentration greater than NR 140 PAL  
 boxed - concentration greater than NR 140 ES  
 --<sup>(1)</sup> - slow groundwater recovery prevented the collection of a sufficient volume of water for all the planned laboratory analytical parameters for MW-10 and MW-11  
 -- - not analyzed or not established  
 DUP - duplicate  
 ES - NR 140 Enforcement Standard  
 ft bgs - feet below ground surface  
 J - estimated concentration at or above the limit of detection and below the limit of quantitation  
 mg/L - milligrams per liter  
 MNA - monitored natural attenuation  
 ND - not detected (refer to laboratory reports for detection limits)  
 PAL - NR 140 Preventive Action Limit  
 PCBs - polychlorinated biphenyls  
 SVOCs - semi-volatile organic compounds  
 TOC - total organic carbon  
 µg/L - milligrams per liter  
 VOCs - volatile organics compounds

## Analytical Report

Jeremiah Johnson  
Geosyntec Consultants  
10600 N. Port Washington Rd.  
Mequon, WI 53092

October 07, 2020

Work Order: 2010861

RE: Milw Die Cast  
CHW8271N

Dear Jeremiah Johnson:

Enclosed are the analytical reports for the EMT Work Order listed. Also included with this analytical report is a copy of the chain of custody associated with these samples. If you have any questions, please contact me.

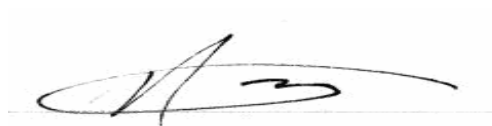
Sincerely,



Nicole Ryan  
Federal Project Manager  
847.967.6666  
nryan@emt.com

Approved for release: 10/7/2020 2:52:29PM

Approved by,



Nathan Fey  
Laboratory Operations Manager

The contents of this report apply to the sample(s) analyzed. No duplication is allowed except in its entirety. Detection and Reporting limits are adjusted for sample size used, dilutions and moisture content, if applicable.

State of Wisconsin Dept of Natural Resources, Cert No. 999888890

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### Sample Summary

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	20I0861-01	Groundwater	09/25/20 12:30	09/28/20 18:15
MW-1	20I0861-02	Groundwater	09/25/20 12:30	09/28/20 18:15
PZ-1	20I0861-03	Groundwater	09/25/20 11:55	09/28/20 18:15
PZ-1	20I0861-04	Groundwater	09/25/20 11:55	09/28/20 18:15
MW-2	20I0861-05	Groundwater	09/24/20 13:40	09/28/20 18:15
MW-2	20I0861-06	Groundwater	09/24/20 13:40	09/28/20 18:15
PZ-2	20I0861-07	Groundwater	09/25/20 08:25	09/28/20 18:15
PZ-2	20I0861-08	Groundwater	09/25/20 08:25	09/28/20 18:15
MW-3	20I0861-09	Groundwater	09/23/20 11:00	09/28/20 18:15
MW-3	20I0861-10	Groundwater	09/23/20 11:00	09/28/20 18:15
MW-3 DUP	20I0861-11	Groundwater	09/23/20 11:00	09/28/20 18:15
MW-3 DUP	20I0861-12	Groundwater	09/23/20 11:00	09/28/20 18:15
MW-4	20I0861-13	Groundwater	09/24/20 09:55	09/28/20 18:15
MW-4	20I0861-14	Groundwater	09/24/20 09:55	09/28/20 18:15
MW-6	20I0861-15	Groundwater	09/25/20 11:05	09/28/20 18:15
MW-6	20I0861-16	Groundwater	09/25/20 11:05	09/28/20 18:15
MW-7	20I0861-17	Groundwater	09/24/20 16:05	09/28/20 18:15
MW-7	20I0861-18	Groundwater	09/24/20 16:05	09/28/20 18:15
MW-8	20I0861-19	Groundwater	09/24/20 09:55	09/28/20 18:15
MW-8	20I0861-20	Groundwater	09/24/20 09:55	09/28/20 18:15
MW-9	20I0861-21	Groundwater	09/24/20 11:55	09/28/20 18:15
MW-9	20I0861-22	Groundwater	09/24/20 11:55	09/28/20 18:15
PZ-10	20I0861-23	Groundwater	09/25/20 08:25	09/28/20 18:15
PZ-10	20I0861-24	Groundwater	09/25/20 08:25	09/28/20 18:15
MW-12	20I0861-25	Groundwater	09/23/20 11:30	09/28/20 18:15
MW-12	20I0861-26	Groundwater	09/23/20 11:30	09/28/20 18:15
MW-12 DUP	20I0861-27	Groundwater	09/23/20 11:30	09/28/20 18:15
MW-12 DUP	20I0861-28	Groundwater	09/23/20 11:30	09/28/20 18:15
MW-13	20I0861-29	Groundwater	09/23/20 14:05	09/28/20 18:15
MW-13	20I0861-30	Groundwater	09/23/20 14:05	09/28/20 18:15
MW-14	20I0861-31	Groundwater	09/23/20 14:35	09/28/20 18:15
MW-14	20I0861-32	Groundwater	09/23/20 14:35	09/28/20 18:15
Trip Blank	20I0861-33	Water	09/23/20 00:00	09/28/20 18:15
Equipment Blank	20I0861-34	Groundwater	09/25/20 00:00	09/28/20 18:15

## Case Narrative

**Client:** Geosyntec Consultants

**Date:** 10/07/2020

**Project:** Milw Die Cast  
CHW8271N

**Work Order:** 20I0861

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Sample results only relate to the sample(s) received at the laboratory and analytes of interest tested.

### Work Order: 20I0861

The samples were received on 09/28/20 18:15. The samples arrived in good condition and properly preserved. The temperature of the cooler at receipt was:

<u>Cooler</u>	<u>Temp C°</u>
1	3.3
2	1.9
3	4.3
4	4.8
5	4.9
6	3.7
7	4.7

Refer to Qualifiers and Definitions for quality and analytical clarifications or deviations.

### GC Semivolatiles

#### 8082A\_PCB

20I0861-04: The sample was utilized for MS/MSD purposes. The recovery for 1016 on the MS exceeded control criteria and the RPD calculated above limits. As all other pertinent QC was acceptable, these exceedances would be attributed to matrix.

20I0861-10: The surrogate spike, decachlorobiphenyl recovered above control criteria. This would indicate potential high bias for sample analytes. As the sample had no positive PCB detections, the exceedance did not impact sample data.

### GCMS Semivolatiles

#### 8270D\_SVOC

20I0861-03: The sample was utilized for MS/MSD purposes. Benzoic acid fell outside recovery criteria. As all other pertinent QC was acceptable, the exceedance would be attributed to sample matrix.

### GC-MS Volatiles (SIM)

#### 8260B-p-Dioxane

Sample 20I0861-01 Internal standard recovered just above the lab control limit due to a high non-target matrix interferent that also affected the Toluene-d8 surrogate recovery. The sample would still be below the lab reporting limit if the Internal standard was calculated for true value- even with the potential low bias.

Sample 20I0861-17 Toluene-d8 surrogate recovery was above the lab control limit, potentially due to the sample matrix.

### Client Sample Results

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-1  
**Report Date:** 10/07/2020  
**Collection Date:** 09/25/2020 12:30  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-01

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit									
<b>Wet Chemistry</b>											
Method: SW9060											
Organic Carbon, Total	3.25	1.00			mg/L	0.400	0.800	10/06/20 18:13	B0J0227	TB2	1
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>											
Method: SW8082A / SW3510											
Aroclor 1016	< 0.515	1.03			ug/L	0.219	0.515	10/01/20 16:22	B0I0902	CS2	1
Aroclor 1221	< 0.515	0.618			ug/L	0.197	0.515	10/01/20 16:22	B0I0902	CS2	1
Aroclor 1232	< 0.515	0.618			ug/L	0.167	0.515	10/01/20 16:22	B0I0902	CS2	1
Aroclor 1242	< 1.03	2.06			ug/L	0.361	1.03	10/01/20 16:22	B0I0902	CS2	1
Aroclor 1248	< 0.515	0.618			ug/L	0.165	0.515	10/01/20 16:22	B0I0902	CS2	1
Aroclor 1254	< 0.515	0.618			ug/L	0.181	0.515	10/01/20 16:22	B0I0902	CS2	1
Aroclor 1260	< 0.309	0.412			ug/L	0.116	0.309	10/01/20 16:22	B0I0902	CS2	1
Total PCB	< 0.515	0.618			ug/L	0.197	0.515	10/01/20 16:22	B0I0902	CS2	1
Surrogate: Decachlorobiphenyl					Recovery: 75%	Limits: 10-139		10/01/20 16:22	B0I0902	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene					Recovery: 54%	Limits: 26-107		10/01/20 16:22	B0I0902	CS2	1
<b>Volatile Organic Compounds by GC/MS</b>											
Method: SW8260B / SW5030											
1,1,1,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.706	2.00	09/29/20 16:15	B0I0944	WZZ	1
1,1,1-Trichloroethane	< 2.00	4.00			ug/L	0.719	2.00	09/29/20 16:15	B0I0944	WZZ	1
1,1,2,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.713	2.00	09/29/20 16:15	B0I0944	WZZ	1
1,1,2-Trichloroethane	< 0.600	2.00			ug/L	0.198	0.600	09/29/20 16:15	B0I0944	WZZ	1
1,1-Dichloroethane	< 2.00	4.00			ug/L	0.691	2.00	09/29/20 16:15	B0I0944	WZZ	1
<b>1,1-Dichloroethene</b>	<b>9.52</b>	8.00			ug/L	1.10	4.00	09/29/20 16:15	B0I0944	WZZ	1
1,1-Dichloropropene	< 1.00	2.00			ug/L	0.462	1.00	09/29/20 16:15	B0I0944	WZZ	1
1,2,3-Trichlorobenzene	< 0.600	2.00			ug/L	0.199	0.600	09/29/20 16:15	B0I0944	WZZ	1
1,2,3-Trichloropropane	< 2.00	4.00			ug/L	0.598	2.00	09/29/20 16:15	B0I0944	WZZ	1
1,2,4-Trimethylbenzene	< 2.00	4.00			ug/L	0.753	2.00	09/29/20 16:15	B0I0944	WZZ	1
1,2-Dibromo-3-chloropropane	< 4.00	8.00			ug/L	1.22	4.00	09/29/20 16:15	B0I0944	WZZ	1
1,2-Dibromoethane	< 1.00	2.00			ug/L	0.420	1.00	09/29/20 16:15	B0I0944	WZZ	1
1,2-Dichloroethane	< 2.00	4.00			ug/L	0.731	2.00	09/29/20 16:15	B0I0944	WZZ	1
1,2-Dichloropropane	< 2.00	4.00			ug/L	0.557	2.00	09/29/20 16:15	B0I0944	WZZ	1
1,3,5-Trimethylbenzene	< 1.00	2.00			ug/L	0.351	1.00	09/29/20 16:15	B0I0944	WZZ	1
1,3-Dichloropropane	< 1.00	2.00			ug/L	0.345	1.00	09/29/20 16:15	B0I0944	WZZ	1
2,2-Dichloropropane	< 4.00	8.00			ug/L	1.03	4.00	09/29/20 16:15	B0I0944	WZZ	1
2-Butanone	< 14.0	28.0			ug/L	4.79	14.0	09/29/20 16:15	B0I0944	WZZ	1
2-Chlorotoluene	< 1.00	2.00			ug/L	0.384	1.00	09/29/20 16:15	B0I0944	WZZ	1
2-Hexanone	< 14.0	28.0			ug/L	4.74	14.0	09/29/20 16:15	B0I0944	WZZ	1
4-Isopropyltoluene	< 2.00	4.00			ug/L	0.930	2.00	09/29/20 16:15	B0I0944	WZZ	1
4-Methyl-2-pentanone	< 14.0	28.0			ug/L	4.40	14.0	09/29/20 16:15	B0I0944	WZZ	1
Acetone	< 28.0	70.0	Q, S1		ug/L	9.21	28.0	09/29/20 16:15	B0I0944	WZZ	1
Benzene	< 1.00	2.00			ug/L	0.362	1.00	09/29/20 16:15	B0I0944	WZZ	1
Bromobenzene	< 1.00	2.00			ug/L	0.354	1.00	09/29/20 16:15	B0I0944	WZZ	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-1  
**Report Date:** 10/07/2020  
**Collection Date:** 09/25/2020 12:30  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-01 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Volatile Organic Compounds by GC/MS (Continued)</b>										
Method: SW8260B / SW5030 (Continued)										
Bromochloromethane	< 2.00	4.00		ug/L	0.861	2.00	09/29/20 16:15	B0I0944	WZZ	1
Bromodichloromethane	< 1.00	2.00		ug/L	0.458	1.00	09/29/20 16:15	B0I0944	WZZ	1
Bromoform	< 2.00	4.00		ug/L	0.570	2.00	09/29/20 16:15	B0I0944	WZZ	1
Bromomethane	< 4.00	8.00		ug/L	1.61	4.00	09/29/20 16:15	B0I0944	WZZ	1
Carbon disulfide	< 2.00	4.00		ug/L	0.739	2.00	09/29/20 16:15	B0I0944	WZZ	1
Carbon tetrachloride	< 2.00	4.00		ug/L	0.710	2.00	09/29/20 16:15	B0I0944	WZZ	1
Chlorobenzene	< 0.600	2.00		ug/L	0.170	0.600	09/29/20 16:15	B0I0944	WZZ	1
Chloroethane	< 2.00	4.00		ug/L	0.621	2.00	09/29/20 16:15	B0I0944	WZZ	1
Chloroform	< 4.00	8.00		ug/L	1.06	4.00	09/29/20 16:15	B0I0944	WZZ	1
Chloromethane	< 4.00	8.00		ug/L	1.30	4.00	09/29/20 16:15	B0I0944	WZZ	1
<b>cis-1,2-Dichloroethene</b>	<b>3150</b>	100		ug/L	16.3	50.0	10/01/20 14:20	B0J0079	WZZ	25
cis-1,3-Dichloropropene	< 2.00	4.00		ug/L	0.408	2.00	09/29/20 16:15	B0I0944	WZZ	1
Cyclohexane	< 1.00	2.00		ug/L	0.325	1.00	09/29/20 16:15	B0I0944	WZZ	1
Dibromochloromethane	< 2.00	4.00		ug/L	0.632	2.00	09/29/20 16:15	B0I0944	WZZ	1
Dibromomethane	< 1.00	2.00		ug/L	0.390	1.00	09/29/20 16:15	B0I0944	WZZ	1
Dichlorodifluoromethane	< 0.600	2.00		ug/L	0.186	0.600	09/29/20 16:15	B0I0944	WZZ	1
Ethylbenzene	< 1.00	2.00		ug/L	0.268	1.00	09/29/20 16:15	B0I0944	WZZ	1
Isopropylbenzene	< 1.00	2.00		ug/L	0.312	1.00	09/29/20 16:15	B0I0944	WZZ	1
m,p-Xylene	< 4.00	8.00		ug/L	1.58	4.00	09/29/20 16:15	B0I0944	WZZ	1
Methyl tert-butyl ether	< 2.00	4.00		ug/L	0.838	2.00	09/29/20 16:15	B0I0944	WZZ	1
Methylene chloride	< 4.00	8.00		ug/L	1.02	4.00	09/29/20 16:15	B0I0944	WZZ	1
n-Butylbenzene	< 1.00	2.00		ug/L	0.295	1.00	09/29/20 16:15	B0I0944	WZZ	1
n-Propylbenzene	< 1.00	2.00		ug/L	0.289	1.00	09/29/20 16:15	B0I0944	WZZ	1
o-Xylene	< 1.00	2.00		ug/L	0.324	1.00	09/29/20 16:15	B0I0944	WZZ	1
sec-Butylbenzene	< 0.600	2.00		ug/L	0.223	0.600	09/29/20 16:15	B0I0944	WZZ	1
Styrene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 16:15	B0I0944	WZZ	1
tert-Butylbenzene	< 2.00	4.00		ug/L	0.800	2.00	09/29/20 16:15	B0I0944	WZZ	1
<b>Tetrachloroethene</b>	<b>2230</b>	100		ug/L	16.2	50.0	10/01/20 14:20	B0J0079	WZZ	25
Toluene	< 2.00	4.00		ug/L	0.510	2.00	09/29/20 16:15	B0I0944	WZZ	1
<b>trans-1,2-Dichloroethene</b>	<b>22.2</b>	4.00		ug/L	0.566	2.00	09/29/20 16:15	B0I0944	WZZ	1
trans-1,3-Dichloropropene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 16:15	B0I0944	WZZ	1
<b>Trichloroethene</b>	<b>2580</b>	100		ug/L	23.5	50.0	10/01/20 14:20	B0J0079	WZZ	25
Trichlorofluoromethane	< 2.00	4.00		ug/L	0.503	2.00	09/29/20 16:15	B0I0944	WZZ	1
<b>Vinyl chloride</b>	<b>217</b>	100		ug/L	14.5	50.0	10/01/20 14:20	B0J0079	WZZ	25
Xylenes, Total	< 6.00	12.0		ug/L	1.62	6.00	09/29/20 16:15	B0I0944	WZZ	1
<i>Surrogate: Dibromofluoromethane</i>					<i>Recovery: 98%</i>	<i>Limits: 84-137</i>	<i>09/29/20 16:15</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>					<i>Recovery: 102%</i>	<i>Limits: 74-140</i>	<i>09/29/20 16:15</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Fluorobenzene</i>					<i>Recovery: 100%</i>	<i>Limits: 90-105</i>	<i>09/29/20 16:15</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Toluene-d8</i>					<i>Recovery: 99%</i>	<i>Limits: 74-109</i>	<i>09/29/20 16:15</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 4-Bromofluorobenzene</i>					<i>Recovery: 98%</i>	<i>Limits: 86-128</i>	<i>09/29/20 16:15</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>					<i>Recovery: 98%</i>	<i>Limits: 90-128</i>	<i>09/29/20 16:15</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-1  
**Report Date:** 10/07/2020  
**Collection Date:** 09/25/2020 12:30  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-01 (Continued)

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Limit								
<b>Semivolatile Organic Compounds by GC/MS</b>											
<b>Method: SW8270D / SW3510</b>											
1,2,4-Trichlorobenzene	< 1.05	2.10			ug/L	0.294	1.05	09/30/20 08:08	B0I0881	CP1	1
1,2-Dichlorobenzene	< 1.05	2.10			ug/L	0.315	1.05	09/30/20 08:08	B0I0881	CP1	1
1,3-Dichlorobenzene	< 1.05	2.10			ug/L	0.326	1.05	09/30/20 08:08	B0I0881	CP1	1
1,4-Dichlorobenzene	< 1.05	2.10			ug/L	0.294	1.05	09/30/20 08:08	B0I0881	CP1	1
2,4,5-Trichlorophenol	< 0.526	1.05			ug/L	0.136	0.526	09/30/20 08:08	B0I0881	CP1	1
2,4,6-Trichlorophenol	< 0.526	1.05			ug/L	0.256	0.526	09/30/20 08:08	B0I0881	CP1	1
2,4-Dichlorophenol	< 0.526	1.05			ug/L	0.0829	0.526	09/30/20 08:08	B0I0881	CP1	1
2,4-Dimethylphenol	< 1.05	2.10			ug/L	0.123	1.05	09/30/20 08:08	B0I0881	CP1	1
2,4-Dinitrophenol	< 10.5	31.5			ug/L	3.48	10.5	09/30/20 08:08	B0I0881	CP1	1
2,4-Dinitrotoluene	< 1.05	2.10			ug/L	0.265	1.05	09/30/20 08:08	B0I0881	CP1	1
2,6-Dinitrotoluene	< 0.526	1.05			ug/L	0.242	0.526	09/30/20 08:08	B0I0881	CP1	1
2-Chloronaphthalene	< 0.315	0.631			ug/L	0.111	0.315	09/30/20 08:08	B0I0881	CP1	1
2-Chlorophenol	< 0.526	1.05			ug/L	0.161	0.526	09/30/20 08:08	B0I0881	CP1	1
2-Methylnaphthalene	< 2.10	4.21			ug/L	0.673	2.10	09/30/20 08:08	B0I0881	CP1	1
2-Methylphenol	< 0.526	1.05			ug/L	0.192	0.526	09/30/20 08:08	B0I0881	CP1	1
2-Nitroaniline	< 10.5	31.5			ug/L	2.69	10.5	09/30/20 08:08	B0I0881	CP1	1
2-Nitrophenol	< 0.526	1.05			ug/L	0.220	0.526	09/30/20 08:08	B0I0881	CP1	1
3,3'-Dichlorobenzidine	< 10.5	21.0			ug/L	3.33	10.5	09/30/20 08:08	B0I0881	CP1	1
3 & 4-Methylphenol	< 0.526	1.05			ug/L	0.188	0.526	09/30/20 08:08	B0I0881	CP1	1
3-Nitroaniline	< 1.05	2.10			ug/L	0.378	1.05	09/30/20 08:08	B0I0881	CP1	1
4,6-Dinitro-2-methylphenol	< 5.26	15.8			ug/L	2.58	5.26	09/30/20 08:08	B0I0881	CP1	1
4-Bromophenyl-phenylether	< 0.526	1.05			ug/L	0.168	0.526	09/30/20 08:08	B0I0881	CP1	1
4-Chloro-3-methylphenol	< 0.210	0.526			ug/L	0.0750	0.210	09/30/20 08:08	B0I0881	CP1	1
4-Chloroaniline	< 0.315	0.631			ug/L	0.112	0.315	09/30/20 08:08	B0I0881	CP1	1
4-Chlorophenyl-phenylether	< 0.526	1.05			ug/L	0.153	0.526	09/30/20 08:08	B0I0881	CP1	1
4-Nitroaniline	< 10.5	31.5			ug/L	3.97	10.5	09/30/20 08:08	B0I0881	CP1	1
4-Nitrophenol	< 5.26	15.8			ug/L	1.51	5.26	09/30/20 08:08	B0I0881	CP1	1
Acenaphthene	< 0.315	0.631			ug/L	0.109	0.315	09/30/20 08:08	B0I0881	CP1	1
Acenaphthylene	< 0.315	0.631			ug/L	0.137	0.315	09/30/20 08:08	B0I0881	CP1	1
Anthracene	< 0.315	0.631			ug/L	0.117	0.315	09/30/20 08:08	B0I0881	CP1	1
Azobenzene as 1,2-Diphenylhydrazine	< 0.315	1.05			ug/L	0.0806	0.315	09/30/20 08:08	B0I0881	CP1	1
Benzidine	< 42.1	84.1			ug/L	17.4	42.1	09/30/20 08:08	B0I0881	CP1	1
Benzo(a)anthracene	< 0.315	0.631			ug/L	0.130	0.315	09/30/20 08:08	B0I0881	CP1	1
Benzo(a)pyrene	< 1.05	2.10			ug/L	0.395	1.05	09/30/20 08:08	B0I0881	CP1	1
Benzo(b)fluoranthene	< 1.05	2.10			ug/L	0.391	1.05	09/30/20 08:08	B0I0881	CP1	1
Benzo(g,h,i)perylene	< 1.05	2.10			ug/L	0.420	1.05	09/30/20 08:08	B0I0881	CP1	1
Benzo(k)fluoranthene	< 0.526	2.10			ug/L	0.262	0.526	09/30/20 08:08	B0I0881	CP1	1
Benzoic acid	< 25.2	42.1			ug/L	12.3	25.2	09/30/20 08:08	B0I0881	CP1	1
Benzyl alcohol	< 2.10	4.21			ug/L	0.578	2.10	09/30/20 08:08	B0I0881	CP1	1
Bis(2-chloroethoxy)methane	< 0.526	1.05			ug/L	0.142	0.526	09/30/20 08:08	B0I0881	CP1	1
Bis(2-chloroethyl)ether	< 0.526	1.05			ug/L	0.185	0.526	09/30/20 08:08	B0I0881	CP1	1
Bis(2-chloroisopropyl)ether	< 0.526	1.05			ug/L	0.135	0.526	09/30/20 08:08	B0I0881	CP1	1
Bis(2-ethylhexyl)phthalate	< 10.5	21.0			ug/L	3.82	10.5	09/30/20 08:08	B0I0881	CP1	1



**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-1  
**Report Date:** 10/07/2020  
**Collection Date:** 09/25/2020 12:30  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-01 (Continued)

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Limit								
<b>Semivolatile Organic Compounds by GC/MS (Continued)</b>											
<b>Method: SW8270D / SW3510 (Continued)</b>											
Butyl benzyl phthalate	< 0.526	1.05			ug/L	0.246	0.526	09/30/20 08:08	B0I0881	CP1	1
Carbazole	< 0.526	1.05			ug/L	0.182	0.526	09/30/20 08:08	B0I0881	CP1	1
Chrysene	< 0.315	0.631			ug/L	0.133	0.315	09/30/20 08:08	B0I0881	CP1	1
Dibenzo(a,h)anthracene	< 1.05	2.10			ug/L	0.465	1.05	09/30/20 08:08	B0I0881	CP1	1
Dibenzofuran	< 0.315	0.631			ug/L	0.129	0.315	09/30/20 08:08	B0I0881	CP1	1
Diethyl phthalate	< 3.15	6.31			ug/L	1.22	3.15	09/30/20 08:08	B0I0881	CP1	1
Dimethyl phthalate	< 0.315	0.631			ug/L	0.0928	0.315	09/30/20 08:08	B0I0881	CP1	1
Di-n-butyl phthalate	< 6.31	10.5			ug/L	3.03	6.31	09/30/20 08:08	B0I0881	CP1	1
Di-n-octyl phthalate	< 5.26	10.5			ug/L	1.99	5.26	09/30/20 08:08	B0I0881	CP1	1
Fluoranthene	< 0.526	1.05			ug/L	0.206	0.526	09/30/20 08:08	B0I0881	CP1	1
Fluorene	< 0.315	0.631			ug/L	0.130	0.315	09/30/20 08:08	B0I0881	CP1	1
Hexachlorobenzene	< 0.526	1.05			ug/L	0.173	0.526	09/30/20 08:08	B0I0881	CP1	1
Hexachlorobutadiene	< 0.526	1.05			ug/L	0.263	0.526	09/30/20 08:08	B0I0881	CP1	1
Hexachlorocyclopentadiene	< 5.26	15.8			ug/L	2.30	5.26	09/30/20 08:08	B0I0881	CP1	1
Hexachloroethane	< 0.526	1.05			ug/L	0.231	0.526	09/30/20 08:08	B0I0881	CP1	1
Indeno(1,2,3-cd)pyrene	< 1.05	2.10			ug/L	0.528	1.05	09/30/20 08:08	B0I0881	CP1	1
Isophorone	< 0.315	0.631			ug/L	0.116	0.315	09/30/20 08:08	B0I0881	CP1	1
Naphthalene	< 2.10	4.21			ug/L	0.858	2.10	09/30/20 08:08	B0I0881	CP1	1
Nitrobenzene	< 0.315	0.631			ug/L	0.147	0.315	09/30/20 08:08	B0I0881	CP1	1
N-Nitrosodimethylamine	< 0.526	1.05			ug/L	0.164	0.526	09/30/20 08:08	B0I0881	CP1	1
N-Nitrosodi-n-propylamine	< 1.05	2.10			ug/L	0.335	1.05	09/30/20 08:08	B0I0881	CP1	1
N-Nitrosodiphenylamine	< 0.315	0.631			ug/L	0.109	0.315	09/30/20 08:08	B0I0881	CP1	1
Pentachlorophenol	< 10.5	31.5			ug/L	2.65	10.5	09/30/20 08:08	B0I0881	CP1	1
Phenanthrene	< 0.526	1.05			ug/L	0.217	0.526	09/30/20 08:08	B0I0881	CP1	1
Phenol	< 0.526	1.05			ug/L	0.179	0.526	09/30/20 08:08	B0I0881	CP1	1
Pyrene	< 0.526	1.05			ug/L	0.219	0.526	09/30/20 08:08	B0I0881	CP1	1
<i>Surrogate: 2-Fluorophenol</i>					<i>Recovery: 43%</i>	<i>Limits: 10-88</i>		<i>09/30/20 08:08</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: Phenol-d5</i>					<i>Recovery: 34%</i>	<i>Limits: 10-65</i>		<i>09/30/20 08:08</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: Nitrobenzene-d5</i>					<i>Recovery: 65%</i>	<i>Limits: 25-128</i>		<i>09/30/20 08:08</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: 2-Fluorobiphenyl</i>					<i>Recovery: 62%</i>	<i>Limits: 24-114</i>		<i>09/30/20 08:08</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: 2,4,6-Tribromophenol</i>					<i>Recovery: 71%</i>	<i>Limits: 15-119</i>		<i>09/30/20 08:08</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: 4-Terphenyl-d14</i>					<i>Recovery: 86%</i>	<i>Limits: 29-129</i>		<i>09/30/20 08:08</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>

**Subcontracted Analyses****Method: SW8260-SIM Modified / SW5030**

1,4-Dioxane	< 0.200	0.500			ug/L	0.0625	0.200	10/02/20 17:45	B0J0077	CP1	1
<i>Surrogate: Toluene-d8</i>					<i>S</i>	<i>Recovery: 52%</i>	<i>Limits: 80-120</i>	<i>10/02/20 17:45</i>	<i>B0J0077</i>	<i>CP1</i>	<i>1</i>

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-1  
**Report Date:** 10/07/2020  
**Collection Date:** 09/25/2020 12:30  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-02

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF	
		Limit										
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>												
Method: SW8082A / SW3510												
Aroclor 1016	< 0.531	1.06			ug/L	0.226	0.531	10/01/20 16:22	B0I0905	CS2	1	
Aroclor 1221	< 0.531	0.638			ug/L	0.204	0.531	10/01/20 16:22	B0I0905	CS2	1	
Aroclor 1232	< 0.531	0.638			ug/L	0.172	0.531	10/01/20 16:22	B0I0905	CS2	1	
Aroclor 1242	< 1.06	2.13			ug/L	0.372	1.06	10/01/20 16:22	B0I0905	CS2	1	
Aroclor 1248	< 0.531	0.638			ug/L	0.170	0.531	10/01/20 16:22	B0I0905	CS2	1	
Aroclor 1254	< 0.531	0.638			ug/L	0.187	0.531	10/01/20 16:22	B0I0905	CS2	1	
Aroclor 1260	< 0.319	0.425			ug/L	0.119	0.319	10/01/20 16:22	B0I0905	CS2	1	
Total PCB	< 0.531	0.638			ug/L	0.204	0.531	10/01/20 16:22	B0I0905	CS2	1	
<i>Surrogate: Decachlorobiphenyl</i>					Recovery: 88%		Limits: 10-139		10/01/20 16:22	B0I0905	CS2	1
<i>Surrogate: 2,4,5,6-Tetrachloro-m-xylene</i>					Recovery: 67%		Limits: 26-107		10/01/20 16:22	B0I0905	CS2	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** PZ-1  
**Report Date:** 10/07/2020  
**Collection Date:** 09/25/2020 11:55  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-03

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Limit								
<b>Wet Chemistry</b>											
Method: SW9060											
Organic Carbon, Total	3.92	5.00	Q, S1, J		mg/L	2.00	4.00	10/06/20 18:31	B0J0227	TB2	5
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>											
Method: SW8082A / SW3510											
Aroclor 1016	< 0.519	1.04			ug/L	0.220	0.519	09/30/20 17:24	B0I0902	CS2	1
Aroclor 1221	< 0.519	0.623			ug/L	0.199	0.519	09/30/20 17:24	B0I0902	CS2	1
Aroclor 1232	< 0.519	0.623			ug/L	0.168	0.519	09/30/20 17:24	B0I0902	CS2	1
Aroclor 1242	< 1.04	2.08			ug/L	0.364	1.04	09/30/20 17:24	B0I0902	CS2	1
Aroclor 1248	< 0.519	0.623			ug/L	0.166	0.519	09/30/20 17:24	B0I0902	CS2	1
Aroclor 1254	< 0.519	0.623			ug/L	0.182	0.519	09/30/20 17:24	B0I0902	CS2	1
Aroclor 1260	< 0.311	0.415			ug/L	0.116	0.311	09/30/20 17:24	B0I0902	CS2	1
Total PCB	< 0.519	0.623			ug/L	0.199	0.519	09/30/20 17:24	B0I0902	CS2	1
Surrogate: Decachlorobiphenyl					Recovery: 70%	Limits: 10-139		09/30/20 17:24	B0I0902	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene					Recovery: 44%	Limits: 26-107		09/30/20 17:24	B0I0902	CS2	1
<b>Volatile Organic Compounds by GC/MS</b>											
Method: SW8260B / SW5030											
1,1,1,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.706	2.00	09/29/20 16:41	B0I0944	WZZ	1
1,1,1-Trichloroethane	< 2.00	4.00			ug/L	0.719	2.00	09/29/20 16:41	B0I0944	WZZ	1
1,1,2,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.713	2.00	09/29/20 16:41	B0I0944	WZZ	1
1,1,2-Trichloroethane	< 0.600	2.00			ug/L	0.198	0.600	09/29/20 16:41	B0I0944	WZZ	1
1,1-Dichloroethane	< 2.00	4.00			ug/L	0.691	2.00	09/29/20 16:41	B0I0944	WZZ	1
1,1-Dichloroethene	< 4.00	8.00			ug/L	1.10	4.00	09/29/20 16:41	B0I0944	WZZ	1
1,1-Dichloropropene	< 1.00	2.00			ug/L	0.462	1.00	09/29/20 16:41	B0I0944	WZZ	1
1,2,3-Trichlorobenzene	< 0.600	2.00			ug/L	0.199	0.600	09/29/20 16:41	B0I0944	WZZ	1
1,2,3-Trichloropropane	< 2.00	4.00			ug/L	0.598	2.00	09/29/20 16:41	B0I0944	WZZ	1
1,2,4-Trimethylbenzene	< 2.00	4.00			ug/L	0.753	2.00	09/29/20 16:41	B0I0944	WZZ	1
1,2-Dibromo-3-chloropropane	< 4.00	8.00			ug/L	1.22	4.00	09/29/20 16:41	B0I0944	WZZ	1
1,2-Dibromoethane	< 1.00	2.00			ug/L	0.420	1.00	09/29/20 16:41	B0I0944	WZZ	1
1,2-Dichloroethane	< 2.00	4.00			ug/L	0.731	2.00	09/29/20 16:41	B0I0944	WZZ	1
1,2-Dichloropropane	< 2.00	4.00			ug/L	0.557	2.00	09/29/20 16:41	B0I0944	WZZ	1
1,3,5-Trimethylbenzene	< 1.00	2.00			ug/L	0.351	1.00	09/29/20 16:41	B0I0944	WZZ	1
1,3-Dichloropropane	< 1.00	2.00			ug/L	0.345	1.00	09/29/20 16:41	B0I0944	WZZ	1
2,2-Dichloropropane	< 4.00	8.00			ug/L	1.03	4.00	09/29/20 16:41	B0I0944	WZZ	1
2-Butanone	< 14.0	28.0			ug/L	4.79	14.0	09/29/20 16:41	B0I0944	WZZ	1
2-Chlorotoluene	< 1.00	2.00			ug/L	0.384	1.00	09/29/20 16:41	B0I0944	WZZ	1
2-Hexanone	< 14.0	28.0			ug/L	4.74	14.0	09/29/20 16:41	B0I0944	WZZ	1
4-Isopropyltoluene	< 2.00	4.00			ug/L	0.930	2.00	09/29/20 16:41	B0I0944	WZZ	1
4-Methyl-2-pentanone	< 14.0	28.0			ug/L	4.40	14.0	09/29/20 16:41	B0I0944	WZZ	1
Acetone	< 28.0	70.0	Q, S1		ug/L	9.21	28.0	09/29/20 16:41	B0I0944	WZZ	1
Benzene	< 1.00	2.00			ug/L	0.362	1.00	09/29/20 16:41	B0I0944	WZZ	1
Bromobenzene	< 1.00	2.00			ug/L	0.354	1.00	09/29/20 16:41	B0I0944	WZZ	1



**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** PZ-1  
**Report Date:** 10/07/2020  
**Collection Date:** 09/25/2020 11:55  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-03 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Volatile Organic Compounds by GC/MS (Continued)</b>										
Method: SW8260B / SW5030 (Continued)										
Bromochloromethane	< 2.00	4.00		ug/L	0.861	2.00	09/29/20 16:41	B0I0944	WZZ	1
Bromodichloromethane	< 1.00	2.00		ug/L	0.458	1.00	09/29/20 16:41	B0I0944	WZZ	1
Bromoform	< 2.00	4.00		ug/L	0.570	2.00	09/29/20 16:41	B0I0944	WZZ	1
Bromomethane	< 4.00	8.00		ug/L	1.61	4.00	09/29/20 16:41	B0I0944	WZZ	1
Carbon disulfide	< 2.00	4.00		ug/L	0.739	2.00	09/29/20 16:41	B0I0944	WZZ	1
Carbon tetrachloride	< 2.00	4.00		ug/L	0.710	2.00	09/29/20 16:41	B0I0944	WZZ	1
Chlorobenzene	< 0.600	2.00		ug/L	0.170	0.600	09/29/20 16:41	B0I0944	WZZ	1
Chloroethane	< 2.00	4.00		ug/L	0.621	2.00	09/29/20 16:41	B0I0944	WZZ	1
Chloroform	< 4.00	8.00		ug/L	1.06	4.00	09/29/20 16:41	B0I0944	WZZ	1
Chloromethane	< 4.00	8.00		ug/L	1.30	4.00	09/29/20 16:41	B0I0944	WZZ	1
<b>cis-1,2-Dichloroethene</b>	<b>128</b>	4.00	J1	ug/L	0.652	2.00	09/29/20 16:41	B0I0944	WZZ	1
cis-1,3-Dichloropropene	< 2.00	4.00		ug/L	0.408	2.00	09/29/20 16:41	B0I0944	WZZ	1
Cyclohexane	< 1.00	2.00		ug/L	0.325	1.00	09/29/20 16:41	B0I0944	WZZ	1
Dibromochloromethane	< 2.00	4.00		ug/L	0.632	2.00	09/29/20 16:41	B0I0944	WZZ	1
Dibromomethane	< 1.00	2.00		ug/L	0.390	1.00	09/29/20 16:41	B0I0944	WZZ	1
Dichlorodifluoromethane	< 0.600	2.00		ug/L	0.186	0.600	09/29/20 16:41	B0I0944	WZZ	1
Ethylbenzene	< 1.00	2.00		ug/L	0.268	1.00	09/29/20 16:41	B0I0944	WZZ	1
Isopropylbenzene	< 1.00	2.00		ug/L	0.312	1.00	09/29/20 16:41	B0I0944	WZZ	1
m,p-Xylene	< 4.00	8.00		ug/L	1.58	4.00	09/29/20 16:41	B0I0944	WZZ	1
Methyl tert-butyl ether	< 2.00	4.00		ug/L	0.838	2.00	09/29/20 16:41	B0I0944	WZZ	1
Methylene chloride	< 4.00	8.00		ug/L	1.02	4.00	09/29/20 16:41	B0I0944	WZZ	1
n-Butylbenzene	< 1.00	2.00		ug/L	0.295	1.00	09/29/20 16:41	B0I0944	WZZ	1
n-Propylbenzene	< 1.00	2.00		ug/L	0.289	1.00	09/29/20 16:41	B0I0944	WZZ	1
o-Xylene	< 1.00	2.00		ug/L	0.324	1.00	09/29/20 16:41	B0I0944	WZZ	1
sec-Butylbenzene	< 0.600	2.00		ug/L	0.223	0.600	09/29/20 16:41	B0I0944	WZZ	1
Styrene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 16:41	B0I0944	WZZ	1
tert-Butylbenzene	< 2.00	4.00		ug/L	0.800	2.00	09/29/20 16:41	B0I0944	WZZ	1
<b>Tetrachloroethene</b>	<b>325</b>	8.00		ug/L	1.29	4.00	10/01/20 13:51	B0J0079	WZZ	2
Toluene	< 2.00	4.00		ug/L	0.510	2.00	09/29/20 16:41	B0I0944	WZZ	1
trans-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.566	2.00	09/29/20 16:41	B0I0944	WZZ	1
trans-1,3-Dichloropropene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 16:41	B0I0944	WZZ	1
<b>Trichloroethene</b>	<b>109</b>	4.00		ug/L	0.939	2.00	09/29/20 16:41	B0I0944	WZZ	1
Trichlorofluoromethane	< 2.00	4.00		ug/L	0.503	2.00	09/29/20 16:41	B0I0944	WZZ	1
<b>Vinyl chloride</b>	<b>10.9</b>	4.00		ug/L	0.582	2.00	09/29/20 16:41	B0I0944	WZZ	1
Xylenes, Total	< 6.00	12.0		ug/L	1.62	6.00	09/29/20 16:41	B0I0944	WZZ	1

Surrogate: Dibromofluoromethane	Recovery: 103%	Limits: 84-137	09/29/20 16:41	B0I0944	WZZ	1
Surrogate: 1,2-Dichloroethane-d4	Recovery: 108%	Limits: 74-140	09/29/20 16:41	B0I0944	WZZ	1
Surrogate: Fluorobenzene	Recovery: 101%	Limits: 90-105	09/29/20 16:41	B0I0944	WZZ	1
Surrogate: Toluene-d8	Recovery: 98%	Limits: 74-109	09/29/20 16:41	B0I0944	WZZ	1
Surrogate: 4-Bromofluorobenzene	Recovery: 101%	Limits: 86-128	09/29/20 16:41	B0I0944	WZZ	1
Surrogate: 1,2-Dichlorobenzene-d4	Recovery: 99%	Limits: 90-128	09/29/20 16:41	B0I0944	WZZ	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** PZ-1  
**Report Date:** 10/07/2020  
**Collection Date:** 09/25/2020 11:55  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-03 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Semivolatile Organic Compounds by GC/MS</b>										
Method: SW8270D / SW3510										
1,2,4-Trichlorobenzene	< 1.12	2.24		ug/L	0.313	1.12	09/30/20 07:05	B0I0881	CP1	1
1,2-Dichlorobenzene	< 1.12	2.24		ug/L	0.335	1.12	09/30/20 07:05	B0I0881	CP1	1
1,3-Dichlorobenzene	< 1.12	2.24		ug/L	0.346	1.12	09/30/20 07:05	B0I0881	CP1	1
1,4-Dichlorobenzene	< 1.12	2.24		ug/L	0.313	1.12	09/30/20 07:05	B0I0881	CP1	1
2,4,5-Trichlorophenol	< 0.559	1.12		ug/L	0.145	0.559	09/30/20 07:05	B0I0881	CP1	1
2,4,6-Trichlorophenol	< 0.559	1.12		ug/L	0.272	0.559	09/30/20 07:05	B0I0881	CP1	1
2,4-Dichlorophenol	< 0.559	1.12		ug/L	0.0881	0.559	09/30/20 07:05	B0I0881	CP1	1
2,4-Dimethylphenol	< 1.12	2.24		ug/L	0.131	1.12	09/30/20 07:05	B0I0881	CP1	1
2,4-Dinitrophenol	< 11.2	33.5		ug/L	3.70	11.2	09/30/20 07:05	B0I0881	CP1	1
2,4-Dinitrotoluene	< 1.12	2.24		ug/L	0.282	1.12	09/30/20 07:05	B0I0881	CP1	1
2,6-Dinitrotoluene	< 0.559	1.12		ug/L	0.257	0.559	09/30/20 07:05	B0I0881	CP1	1
2-Chloronaphthalene	< 0.335	0.671		ug/L	0.118	0.335	09/30/20 07:05	B0I0881	CP1	1
2-Chlorophenol	< 0.559	1.12		ug/L	0.171	0.559	09/30/20 07:05	B0I0881	CP1	1
2-Methylnaphthalene	< 2.24	4.47		ug/L	0.715	2.24	09/30/20 07:05	B0I0881	CP1	1
2-Methylphenol	< 0.559	1.12		ug/L	0.204	0.559	09/30/20 07:05	B0I0881	CP1	1
2-Nitroaniline	< 11.2	33.5		ug/L	2.86	11.2	09/30/20 07:05	B0I0881	CP1	1
2-Nitrophenol	< 0.559	1.12		ug/L	0.234	0.559	09/30/20 07:05	B0I0881	CP1	1
3,3'-Dichlorobenzidine	< 11.2	22.4		ug/L	3.54	11.2	09/30/20 07:05	B0I0881	CP1	1
3 & 4-Methylphenol	< 0.559	1.12		ug/L	0.200	0.559	09/30/20 07:05	B0I0881	CP1	1
3-Nitroaniline	< 1.12	2.24		ug/L	0.402	1.12	09/30/20 07:05	B0I0881	CP1	1
4,6-Dinitro-2-methylphenol	< 5.59	16.8		ug/L	2.74	5.59	09/30/20 07:05	B0I0881	CP1	1
4-Bromophenyl-phenylether	< 0.559	1.12		ug/L	0.179	0.559	09/30/20 07:05	B0I0881	CP1	1
4-Chloro-3-methylphenol	< 0.224	0.559		ug/L	0.0797	0.224	09/30/20 07:05	B0I0881	CP1	1
4-Chloroaniline	< 0.335	0.671		ug/L	0.119	0.335	09/30/20 07:05	B0I0881	CP1	1
4-Chlorophenyl-phenylether	< 0.559	1.12		ug/L	0.163	0.559	09/30/20 07:05	B0I0881	CP1	1
4-Nitroaniline	< 11.2	33.5		ug/L	4.22	11.2	09/30/20 07:05	B0I0881	CP1	1
4-Nitrophenol	< 5.59	16.8		ug/L	1.61	5.59	09/30/20 07:05	B0I0881	CP1	1
Acenaphthene	< 0.335	0.671		ug/L	0.116	0.335	09/30/20 07:05	B0I0881	CP1	1
Acenaphthylene	< 0.335	0.671		ug/L	0.145	0.335	09/30/20 07:05	B0I0881	CP1	1
Anthracene	< 0.335	0.671		ug/L	0.125	0.335	09/30/20 07:05	B0I0881	CP1	1
Azobenzene as 1,2-Diphenylhydrazine	< 0.335	1.12		ug/L	0.0857	0.335	09/30/20 07:05	B0I0881	CP1	1
Benzidine	< 44.7	89.4		ug/L	18.5	44.7	09/30/20 07:05	B0I0881	CP1	1
Benzo(a)anthracene	< 0.335	0.671		ug/L	0.138	0.335	09/30/20 07:05	B0I0881	CP1	1
Benzo(a)pyrene	< 1.12	2.24		ug/L	0.420	1.12	09/30/20 07:05	B0I0881	CP1	1
Benzo(b)fluoranthene	< 1.12	2.24		ug/L	0.416	1.12	09/30/20 07:05	B0I0881	CP1	1
Benzo(g,h,i)perylene	< 1.12	2.24		ug/L	0.446	1.12	09/30/20 07:05	B0I0881	CP1	1
Benzo(k)fluoranthene	< 0.559	2.24		ug/L	0.278	0.559	09/30/20 07:05	B0I0881	CP1	1
Benzoic acid	< 26.8	44.7	J2	ug/L	13.1	26.8	09/30/20 07:05	B0I0881	CP1	1
Benzyl alcohol	< 2.24	4.47		ug/L	0.615	2.24	09/30/20 07:05	B0I0881	CP1	1
Bis(2-chloroethoxy)methane	< 0.559	1.12		ug/L	0.151	0.559	09/30/20 07:05	B0I0881	CP1	1
Bis(2-chloroethyl)ether	< 0.559	1.12		ug/L	0.197	0.559	09/30/20 07:05	B0I0881	CP1	1
Bis(2-chloroisopropyl)ether	< 0.559	1.12		ug/L	0.143	0.559	09/30/20 07:05	B0I0881	CP1	1
Bis(2-ethylhexyl)phthalate	< 11.2	22.4		ug/L	4.06	11.2	09/30/20 07:05	B0I0881	CP1	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** PZ-1  
**Report Date:** 10/07/2020  
**Collection Date:** 09/25/2020 11:55  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-03 (Continued)

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Limit								
<b>Semivolatile Organic Compounds by GC/MS (Continued)</b>											
<b>Method: SW8270D / SW3510 (Continued)</b>											
Butyl benzyl phthalate	< 0.559	1.12			ug/L	0.262	0.559	09/30/20 07:05	B0I0881	CP1	1
Carbazole	< 0.559	1.12			ug/L	0.193	0.559	09/30/20 07:05	B0I0881	CP1	1
Chrysene	< 0.335	0.671			ug/L	0.142	0.335	09/30/20 07:05	B0I0881	CP1	1
Dibenzo(a,h)anthracene	< 1.12	2.24			ug/L	0.494	1.12	09/30/20 07:05	B0I0881	CP1	1
Dibenzofuran	< 0.335	0.671			ug/L	0.137	0.335	09/30/20 07:05	B0I0881	CP1	1
Diethyl phthalate	< 3.35	6.71			ug/L	1.30	3.35	09/30/20 07:05	B0I0881	CP1	1
Dimethyl phthalate	< 0.335	0.671			ug/L	0.0987	0.335	09/30/20 07:05	B0I0881	CP1	1
Di-n-butyl phthalate	< 6.71	11.2			ug/L	3.22	6.71	09/30/20 07:05	B0I0881	CP1	1
Di-n-octyl phthalate	< 5.59	11.2			ug/L	2.11	5.59	09/30/20 07:05	B0I0881	CP1	1
Fluoranthene	< 0.559	1.12			ug/L	0.219	0.559	09/30/20 07:05	B0I0881	CP1	1
Fluorene	< 0.335	0.671			ug/L	0.138	0.335	09/30/20 07:05	B0I0881	CP1	1
Hexachlorobenzene	< 0.559	1.12			ug/L	0.184	0.559	09/30/20 07:05	B0I0881	CP1	1
Hexachlorobutadiene	< 0.559	1.12			ug/L	0.279	0.559	09/30/20 07:05	B0I0881	CP1	1
Hexachlorocyclopentadiene	< 5.59	16.8			ug/L	2.44	5.59	09/30/20 07:05	B0I0881	CP1	1
Hexachloroethane	< 0.559	1.12			ug/L	0.246	0.559	09/30/20 07:05	B0I0881	CP1	1
Indeno(1,2,3-cd)pyrene	< 1.12	2.24			ug/L	0.562	1.12	09/30/20 07:05	B0I0881	CP1	1
Isophorone	< 0.335	0.671			ug/L	0.123	0.335	09/30/20 07:05	B0I0881	CP1	1
Naphthalene	< 2.24	4.47			ug/L	0.912	2.24	09/30/20 07:05	B0I0881	CP1	1
Nitrobenzene	< 0.335	0.671			ug/L	0.156	0.335	09/30/20 07:05	B0I0881	CP1	1
N-Nitrosodimethylamine	< 0.559	1.12			ug/L	0.174	0.559	09/30/20 07:05	B0I0881	CP1	1
N-Nitrosodi-n-propylamine	< 1.12	2.24			ug/L	0.356	1.12	09/30/20 07:05	B0I0881	CP1	1
N-Nitrosodiphenylamine	< 0.335	0.671			ug/L	0.116	0.335	09/30/20 07:05	B0I0881	CP1	1
Pentachlorophenol	< 11.2	33.5			ug/L	2.82	11.2	09/30/20 07:05	B0I0881	CP1	1
Phenanthrene	< 0.559	1.12			ug/L	0.230	0.559	09/30/20 07:05	B0I0881	CP1	1
Phenol	< 0.559	1.12			ug/L	0.191	0.559	09/30/20 07:05	B0I0881	CP1	1
Pyrene	< 0.559	1.12			ug/L	0.232	0.559	09/30/20 07:05	B0I0881	CP1	1
<i>Surrogate: 2-Fluorophenol</i>					<i>Recovery: 48%</i>	<i>Limits: 10-88</i>		<i>09/30/20 07:05</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: Phenol-d5</i>					<i>Recovery: 38%</i>	<i>Limits: 10-65</i>		<i>09/30/20 07:05</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: Nitrobenzene-d5</i>					<i>Recovery: 62%</i>	<i>Limits: 25-128</i>		<i>09/30/20 07:05</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: 2-Fluorobiphenyl</i>					<i>Recovery: 62%</i>	<i>Limits: 24-114</i>		<i>09/30/20 07:05</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: 2,4,6-Tribromophenol</i>					<i>Recovery: 73%</i>	<i>Limits: 15-119</i>		<i>09/30/20 07:05</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: 4-Terphenyl-d14</i>					<i>Recovery: 90%</i>	<i>Limits: 29-129</i>		<i>09/30/20 07:05</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>

**Subcontracted Analyses****Method: SW8260-SIM Modified / SW5030**

1,4-Dioxane	< 0.200	0.500			ug/L	0.0625	0.200	10/02/20 12:05	B0J0077	CP1	1
<i>Surrogate: Toluene-d8</i>					<i>Recovery: 106%</i>	<i>Limits: 80-120</i>		<i>10/02/20 12:05</i>	<i>B0J0077</i>	<i>CP1</i>	<i>1</i>

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** PZ-1  
**Report Date:** 10/07/2020  
**Collection Date:** 09/25/2020 11:55  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-04

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF	
		Limit										
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>												
Method: SW8082A / SW3510												
Aroclor 1016	< 0.510	1.02	J2		ug/L	0.217	0.510	09/30/20 17:41	B0I0905	CS2	1	
Aroclor 1221	< 0.510	0.612			ug/L	0.195	0.510	09/30/20 17:41	B0I0905	CS2	1	
Aroclor 1232	< 0.510	0.612			ug/L	0.165	0.510	09/30/20 17:41	B0I0905	CS2	1	
Aroclor 1242	< 1.02	2.04			ug/L	0.358	1.02	09/30/20 17:41	B0I0905	CS2	1	
Aroclor 1248	< 0.510	0.612			ug/L	0.163	0.510	09/30/20 17:41	B0I0905	CS2	1	
Aroclor 1254	< 0.510	0.612			ug/L	0.179	0.510	09/30/20 17:41	B0I0905	CS2	1	
Aroclor 1260	< 0.306	0.408			ug/L	0.115	0.306	09/30/20 17:41	B0I0905	CS2	1	
Total PCB	< 0.510	0.612			ug/L	0.195	0.510	09/30/20 17:41	B0I0905	CS2	1	
<i>Surrogate: Decachlorobiphenyl</i>					Recovery: 76%		Limits: 10-139		09/30/20 17:41	B0I0905	CS2	1
<i>Surrogate: 2,4,5,6-Tetrachloro-m-xylene</i>					Recovery: 64%		Limits: 26-107		09/30/20 17:41	B0I0905	CS2	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-2  
**Report Date:** 10/07/2020  
**Collection Date:** 09/24/2020 13:40  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-05

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF	
		Limit	Limit									
<b>Wet Chemistry</b>												
Method: SW9060												
Organic Carbon, Total	1.93	1.00			mg/L	0.400	0.800	10/06/20 19:34	B0J0227	TB2	1	
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>												
Method: SW8082A / SW3510												
Aroclor 1016	< 0.540	1.08			ug/L	0.229	0.540	09/30/20 17:41	B0I0902	CS2	1	
Aroclor 1221	< 0.540	0.648			ug/L	0.207	0.540	09/30/20 17:41	B0I0902	CS2	1	
Aroclor 1232	< 0.540	0.648			ug/L	0.175	0.540	09/30/20 17:41	B0I0902	CS2	1	
Aroclor 1242	< 1.08	2.16			ug/L	0.378	1.08	09/30/20 17:41	B0I0902	CS2	1	
Aroclor 1248	< 0.540	0.648			ug/L	0.173	0.540	09/30/20 17:41	B0I0902	CS2	1	
Aroclor 1254	< 0.540	0.648			ug/L	0.190	0.540	09/30/20 17:41	B0I0902	CS2	1	
Aroclor 1260	< 0.324	0.432			ug/L	0.121	0.324	09/30/20 17:41	B0I0902	CS2	1	
Total PCB	< 0.540	0.648			ug/L	0.207	0.540	09/30/20 17:41	B0I0902	CS2	1	
Surrogate: Decachlorobiphenyl					Recovery: 83%		Limits: 10-139		09/30/20 17:41	B0I0902	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene					Recovery: 68%		Limits: 26-107		09/30/20 17:41	B0I0902	CS2	1
<b>Volatile Organic Compounds by GC/MS</b>												
Method: SW8260B / SW5030												
1,1,1,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.706	2.00	09/29/20 17:07	B0I0944	WZZ	1	
1,1,1-Trichloroethane	< 2.00	4.00			ug/L	0.719	2.00	09/29/20 17:07	B0I0944	WZZ	1	
1,1,2,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.713	2.00	09/29/20 17:07	B0I0944	WZZ	1	
1,1,2-Trichloroethane	< 0.600	2.00			ug/L	0.198	0.600	09/29/20 17:07	B0I0944	WZZ	1	
1,1-Dichloroethane	< 2.00	4.00			ug/L	0.691	2.00	09/29/20 17:07	B0I0944	WZZ	1	
1,1-Dichloroethene	< 4.00	8.00			ug/L	1.10	4.00	09/29/20 17:07	B0I0944	WZZ	1	
1,1-Dichloropropene	< 1.00	2.00			ug/L	0.462	1.00	09/29/20 17:07	B0I0944	WZZ	1	
1,2,3-Trichlorobenzene	< 0.600	2.00			ug/L	0.199	0.600	09/29/20 17:07	B0I0944	WZZ	1	
1,2,3-Trichloropropane	< 2.00	4.00			ug/L	0.598	2.00	09/29/20 17:07	B0I0944	WZZ	1	
1,2,4-Trimethylbenzene	< 2.00	4.00			ug/L	0.753	2.00	09/29/20 17:07	B0I0944	WZZ	1	
1,2-Dibromo-3-chloropropane	< 4.00	8.00			ug/L	1.22	4.00	09/29/20 17:07	B0I0944	WZZ	1	
1,2-Dibromoethane	< 1.00	2.00			ug/L	0.420	1.00	09/29/20 17:07	B0I0944	WZZ	1	
1,2-Dichloroethane	< 2.00	4.00			ug/L	0.731	2.00	09/29/20 17:07	B0I0944	WZZ	1	
1,2-Dichloropropane	< 2.00	4.00			ug/L	0.557	2.00	09/29/20 17:07	B0I0944	WZZ	1	
1,3,5-Trimethylbenzene	< 1.00	2.00			ug/L	0.351	1.00	09/29/20 17:07	B0I0944	WZZ	1	
1,3-Dichloropropane	< 1.00	2.00			ug/L	0.345	1.00	09/29/20 17:07	B0I0944	WZZ	1	
2,2-Dichloropropane	< 4.00	8.00			ug/L	1.03	4.00	09/29/20 17:07	B0I0944	WZZ	1	
2-Butanone	< 14.0	28.0			ug/L	4.79	14.0	09/29/20 17:07	B0I0944	WZZ	1	
2-Chlorotoluene	< 1.00	2.00			ug/L	0.384	1.00	09/29/20 17:07	B0I0944	WZZ	1	
2-Hexanone	< 14.0	28.0			ug/L	4.74	14.0	09/29/20 17:07	B0I0944	WZZ	1	
4-Isopropyltoluene	< 2.00	4.00			ug/L	0.930	2.00	09/29/20 17:07	B0I0944	WZZ	1	
4-Methyl-2-pentanone	< 14.0	28.0			ug/L	4.40	14.0	09/29/20 17:07	B0I0944	WZZ	1	
Acetone	< 28.0	70.0	Q, S1		ug/L	9.21	28.0	09/29/20 17:07	B0I0944	WZZ	1	
Benzene	< 1.00	2.00			ug/L	0.362	1.00	09/29/20 17:07	B0I0944	WZZ	1	
Bromobenzene	< 1.00	2.00			ug/L	0.354	1.00	09/29/20 17:07	B0I0944	WZZ	1	



**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-2  
**Report Date:** 10/07/2020  
**Collection Date:** 09/24/2020 13:40  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-05 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Volatile Organic Compounds by GC/MS (Continued)</b>										
Method: SW8260B / SW5030 (Continued)										
Bromochloromethane	< 2.00	4.00		ug/L	0.861	2.00	09/29/20 17:07	B0I0944	WZZ	1
Bromodichloromethane	< 1.00	2.00		ug/L	0.458	1.00	09/29/20 17:07	B0I0944	WZZ	1
Bromoform	< 2.00	4.00		ug/L	0.570	2.00	09/29/20 17:07	B0I0944	WZZ	1
Bromomethane	< 4.00	8.00		ug/L	1.61	4.00	09/29/20 17:07	B0I0944	WZZ	1
Carbon disulfide	< 2.00	4.00		ug/L	0.739	2.00	09/29/20 17:07	B0I0944	WZZ	1
Carbon tetrachloride	< 2.00	4.00		ug/L	0.710	2.00	09/29/20 17:07	B0I0944	WZZ	1
Chlorobenzene	< 0.600	2.00		ug/L	0.170	0.600	09/29/20 17:07	B0I0944	WZZ	1
Chloroethane	< 2.00	4.00		ug/L	0.621	2.00	09/29/20 17:07	B0I0944	WZZ	1
Chloroform	< 4.00	8.00		ug/L	1.06	4.00	09/29/20 17:07	B0I0944	WZZ	1
Chloromethane	< 4.00	8.00		ug/L	1.30	4.00	09/29/20 17:07	B0I0944	WZZ	1
<b>cis-1,2-Dichloroethene</b>	<b>4.35</b>	4.00		ug/L	0.652	2.00	09/29/20 17:07	B0I0944	WZZ	1
cis-1,3-Dichloropropene	< 2.00	4.00		ug/L	0.408	2.00	09/29/20 17:07	B0I0944	WZZ	1
Cyclohexane	< 1.00	2.00		ug/L	0.325	1.00	09/29/20 17:07	B0I0944	WZZ	1
Dibromochloromethane	< 2.00	4.00		ug/L	0.632	2.00	09/29/20 17:07	B0I0944	WZZ	1
Dibromomethane	< 1.00	2.00		ug/L	0.390	1.00	09/29/20 17:07	B0I0944	WZZ	1
Dichlorodifluoromethane	< 0.600	2.00		ug/L	0.186	0.600	09/29/20 17:07	B0I0944	WZZ	1
Ethylbenzene	< 1.00	2.00		ug/L	0.268	1.00	09/29/20 17:07	B0I0944	WZZ	1
Isopropylbenzene	< 1.00	2.00		ug/L	0.312	1.00	09/29/20 17:07	B0I0944	WZZ	1
m,p-Xylene	< 4.00	8.00		ug/L	1.58	4.00	09/29/20 17:07	B0I0944	WZZ	1
Methyl tert-butyl ether	< 2.00	4.00		ug/L	0.838	2.00	09/29/20 17:07	B0I0944	WZZ	1
Methylene chloride	< 4.00	8.00		ug/L	1.02	4.00	09/29/20 17:07	B0I0944	WZZ	1
n-Butylbenzene	< 1.00	2.00		ug/L	0.295	1.00	09/29/20 17:07	B0I0944	WZZ	1
n-Propylbenzene	< 1.00	2.00		ug/L	0.289	1.00	09/29/20 17:07	B0I0944	WZZ	1
o-Xylene	< 1.00	2.00		ug/L	0.324	1.00	09/29/20 17:07	B0I0944	WZZ	1
sec-Butylbenzene	< 0.600	2.00		ug/L	0.223	0.600	09/29/20 17:07	B0I0944	WZZ	1
Styrene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 17:07	B0I0944	WZZ	1
tert-Butylbenzene	< 2.00	4.00		ug/L	0.800	2.00	09/29/20 17:07	B0I0944	WZZ	1
<b>Tetrachloroethene</b>	<b>5.55</b>	4.00		ug/L	0.646	2.00	09/29/20 17:07	B0I0944	WZZ	1
Toluene	< 2.00	4.00		ug/L	0.510	2.00	09/29/20 17:07	B0I0944	WZZ	1
trans-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.566	2.00	09/29/20 17:07	B0I0944	WZZ	1
trans-1,3-Dichloropropene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 17:07	B0I0944	WZZ	1
Trichloroethene	< 2.00	4.00		ug/L	0.939	2.00	09/29/20 17:07	B0I0944	WZZ	1
Trichlorofluoromethane	< 2.00	4.00		ug/L	0.503	2.00	09/29/20 17:07	B0I0944	WZZ	1
Vinyl chloride	< 2.00	4.00		ug/L	0.582	2.00	09/29/20 17:07	B0I0944	WZZ	1
Xylenes, Total	< 6.00	12.0		ug/L	1.62	6.00	09/29/20 17:07	B0I0944	WZZ	1
<i>Surrogate: Dibromofluoromethane</i>				<i>Recovery: 98%</i>	<i>Limits: 84-137</i>		<i>09/29/20 17:07</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>				<i>Recovery: 100%</i>	<i>Limits: 74-140</i>		<i>09/29/20 17:07</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Fluorobenzene</i>				<i>Recovery: 101%</i>	<i>Limits: 90-105</i>		<i>09/29/20 17:07</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Toluene-d8</i>				<i>Recovery: 101%</i>	<i>Limits: 74-109</i>		<i>09/29/20 17:07</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 4-Bromofluorobenzene</i>				<i>Recovery: 95%</i>	<i>Limits: 86-128</i>		<i>09/29/20 17:07</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>				<i>Recovery: 97%</i>	<i>Limits: 90-128</i>		<i>09/29/20 17:07</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-2  
**Report Date:** 10/07/2020  
**Collection Date:** 09/24/2020 13:40  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-05 (Continued)

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Limit								
<b>Semivolatile Organic Compounds by GC/MS</b>											
Method: SW8270D / SW3510											
1,2,4-Trichlorobenzene	< 1.13	2.26			ug/L	0.316	1.13	09/30/20 08:29	B0I0881	CP1	1
1,2-Dichlorobenzene	< 1.13	2.26			ug/L	0.339	1.13	09/30/20 08:29	B0I0881	CP1	1
1,3-Dichlorobenzene	< 1.13	2.26			ug/L	0.350	1.13	09/30/20 08:29	B0I0881	CP1	1
1,4-Dichlorobenzene	< 1.13	2.26			ug/L	0.316	1.13	09/30/20 08:29	B0I0881	CP1	1
2,4,5-Trichlorophenol	< 0.564	1.13			ug/L	0.146	0.564	09/30/20 08:29	B0I0881	CP1	1
2,4,6-Trichlorophenol	< 0.564	1.13			ug/L	0.275	0.564	09/30/20 08:29	B0I0881	CP1	1
2,4-Dichlorophenol	< 0.564	1.13			ug/L	0.0889	0.564	09/30/20 08:29	B0I0881	CP1	1
2,4-Dimethylphenol	< 1.13	2.26			ug/L	0.132	1.13	09/30/20 08:29	B0I0881	CP1	1
2,4-Dinitrophenol	< 11.3	33.9			ug/L	3.73	11.3	09/30/20 08:29	B0I0881	CP1	1
2,4-Dinitrotoluene	< 1.13	2.26			ug/L	0.284	1.13	09/30/20 08:29	B0I0881	CP1	1
2,6-Dinitrotoluene	< 0.564	1.13			ug/L	0.259	0.564	09/30/20 08:29	B0I0881	CP1	1
2-Chloronaphthalene	< 0.339	0.677			ug/L	0.119	0.339	09/30/20 08:29	B0I0881	CP1	1
2-Chlorophenol	< 0.564	1.13			ug/L	0.173	0.564	09/30/20 08:29	B0I0881	CP1	1
2-Methylnaphthalene	< 2.26	4.51			ug/L	0.722	2.26	09/30/20 08:29	B0I0881	CP1	1
2-Methylphenol	< 0.564	1.13			ug/L	0.206	0.564	09/30/20 08:29	B0I0881	CP1	1
2-Nitroaniline	< 11.3	33.9			ug/L	2.89	11.3	09/30/20 08:29	B0I0881	CP1	1
2-Nitrophenol	< 0.564	1.13			ug/L	0.236	0.564	09/30/20 08:29	B0I0881	CP1	1
3,3'-Dichlorobenzidine	< 11.3	22.6			ug/L	3.57	11.3	09/30/20 08:29	B0I0881	CP1	1
3 & 4-Methylphenol	< 0.564	1.13			ug/L	0.202	0.564	09/30/20 08:29	B0I0881	CP1	1
3-Nitroaniline	< 1.13	2.26			ug/L	0.406	1.13	09/30/20 08:29	B0I0881	CP1	1
4,6-Dinitro-2-methylphenol	< 5.64	16.9			ug/L	2.77	5.64	09/30/20 08:29	B0I0881	CP1	1
4-Bromophenyl-phenylether	< 0.564	1.13			ug/L	0.181	0.564	09/30/20 08:29	B0I0881	CP1	1
4-Chloro-3-methylphenol	< 0.226	0.564			ug/L	0.0805	0.226	09/30/20 08:29	B0I0881	CP1	1
4-Chloroaniline	< 0.339	0.677			ug/L	0.121	0.339	09/30/20 08:29	B0I0881	CP1	1
4-Chlorophenyl-phenylether	< 0.564	1.13			ug/L	0.164	0.564	09/30/20 08:29	B0I0881	CP1	1
4-Nitroaniline	< 11.3	33.9			ug/L	4.26	11.3	09/30/20 08:29	B0I0881	CP1	1
4-Nitrophenol	< 5.64	16.9			ug/L	1.62	5.64	09/30/20 08:29	B0I0881	CP1	1
Acenaphthene	< 0.339	0.677			ug/L	0.117	0.339	09/30/20 08:29	B0I0881	CP1	1
Acenaphthylene	< 0.339	0.677			ug/L	0.147	0.339	09/30/20 08:29	B0I0881	CP1	1
Anthracene	< 0.339	0.677			ug/L	0.126	0.339	09/30/20 08:29	B0I0881	CP1	1
Azobenzene as 1,2-Diphenylhydrazine	< 0.339	1.13			ug/L	0.0865	0.339	09/30/20 08:29	B0I0881	CP1	1
Benzidine	< 45.1	90.3			ug/L	18.7	45.1	09/30/20 08:29	B0I0881	CP1	1
Benzo(a)anthracene	< 0.339	0.677			ug/L	0.139	0.339	09/30/20 08:29	B0I0881	CP1	1
Benzo(a)pyrene	< 1.13	2.26			ug/L	0.424	1.13	09/30/20 08:29	B0I0881	CP1	1
Benzo(b)fluoranthene	< 1.13	2.26			ug/L	0.420	1.13	09/30/20 08:29	B0I0881	CP1	1
Benzo(g,h,i)perylene	< 1.13	2.26			ug/L	0.451	1.13	09/30/20 08:29	B0I0881	CP1	1
Benzo(k)fluoranthene	< 0.564	2.26			ug/L	0.281	0.564	09/30/20 08:29	B0I0881	CP1	1
Benzoic acid	< 27.1	45.1			ug/L	13.2	27.1	09/30/20 08:29	B0I0881	CP1	1
Benzyl alcohol	< 2.26	4.51			ug/L	0.621	2.26	09/30/20 08:29	B0I0881	CP1	1
Bis(2-chloroethoxy)methane	< 0.564	1.13			ug/L	0.153	0.564	09/30/20 08:29	B0I0881	CP1	1
Bis(2-chloroethyl)ether	< 0.564	1.13			ug/L	0.198	0.564	09/30/20 08:29	B0I0881	CP1	1
Bis(2-chloroisopropyl)ether	< 0.564	1.13			ug/L	0.145	0.564	09/30/20 08:29	B0I0881	CP1	1
Bis(2-ethylhexyl)phthalate	< 11.3	22.6			ug/L	4.10	11.3	09/30/20 08:29	B0I0881	CP1	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-2  
**Report Date:** 10/07/2020  
**Collection Date:** 09/24/2020 13:40  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-05 (Continued)

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Limit								
<b>Semivolatile Organic Compounds by GC/MS (Continued)</b>											
<b>Method: SW8270D / SW3510 (Continued)</b>											
Butyl benzyl phthalate	< 0.564	1.13			ug/L	0.264	0.564	09/30/20 08:29	B0I0881	CP1	1
Carbazole	< 0.564	1.13			ug/L	0.195	0.564	09/30/20 08:29	B0I0881	CP1	1
Chrysene	< 0.339	0.677			ug/L	0.143	0.339	09/30/20 08:29	B0I0881	CP1	1
Dibenzo(a,h)anthracene	< 1.13	2.26			ug/L	0.499	1.13	09/30/20 08:29	B0I0881	CP1	1
Dibenzofuran	< 0.339	0.677			ug/L	0.138	0.339	09/30/20 08:29	B0I0881	CP1	1
Diethyl phthalate	< 3.39	6.77			ug/L	1.31	3.39	09/30/20 08:29	B0I0881	CP1	1
Dimethyl phthalate	< 0.339	0.677			ug/L	0.0996	0.339	09/30/20 08:29	B0I0881	CP1	1
Di-n-butyl phthalate	< 6.77	11.3			ug/L	3.25	6.77	09/30/20 08:29	B0I0881	CP1	1
Di-n-octyl phthalate	< 5.64	11.3			ug/L	2.13	5.64	09/30/20 08:29	B0I0881	CP1	1
Fluoranthene	< 0.564	1.13			ug/L	0.222	0.564	09/30/20 08:29	B0I0881	CP1	1
Fluorene	< 0.339	0.677			ug/L	0.140	0.339	09/30/20 08:29	B0I0881	CP1	1
Hexachlorobenzene	< 0.564	1.13			ug/L	0.186	0.564	09/30/20 08:29	B0I0881	CP1	1
Hexachlorobutadiene	< 0.564	1.13			ug/L	0.282	0.564	09/30/20 08:29	B0I0881	CP1	1
Hexachlorocyclopentadiene	< 5.64	16.9			ug/L	2.47	5.64	09/30/20 08:29	B0I0881	CP1	1
Hexachloroethane	< 0.564	1.13			ug/L	0.248	0.564	09/30/20 08:29	B0I0881	CP1	1
Indeno(1,2,3-cd)pyrene	< 1.13	2.26			ug/L	0.567	1.13	09/30/20 08:29	B0I0881	CP1	1
Isophorone	< 0.339	0.677			ug/L	0.124	0.339	09/30/20 08:29	B0I0881	CP1	1
Naphthalene	< 2.26	4.51			ug/L	0.921	2.26	09/30/20 08:29	B0I0881	CP1	1
Nitrobenzene	< 0.339	0.677			ug/L	0.158	0.339	09/30/20 08:29	B0I0881	CP1	1
N-Nitrosodimethylamine	< 0.564	1.13			ug/L	0.176	0.564	09/30/20 08:29	B0I0881	CP1	1
N-Nitrosodi-n-propylamine	< 1.13	2.26			ug/L	0.360	1.13	09/30/20 08:29	B0I0881	CP1	1
N-Nitrosodiphenylamine	< 0.339	0.677			ug/L	0.117	0.339	09/30/20 08:29	B0I0881	CP1	1
Pentachlorophenol	< 11.3	33.9			ug/L	2.85	11.3	09/30/20 08:29	B0I0881	CP1	1
Phenanthrene	< 0.564	1.13			ug/L	0.232	0.564	09/30/20 08:29	B0I0881	CP1	1
Phenol	< 0.564	1.13			ug/L	0.193	0.564	09/30/20 08:29	B0I0881	CP1	1
Pyrene	< 0.564	1.13			ug/L	0.235	0.564	09/30/20 08:29	B0I0881	CP1	1
<i>Surrogate: 2-Fluorophenol</i>					<i>Recovery: 48%</i>	<i>Limits: 10-88</i>		<i>09/30/20 08:29</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: Phenol-d5</i>					<i>Recovery: 35%</i>	<i>Limits: 10-65</i>		<i>09/30/20 08:29</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: Nitrobenzene-d5</i>					<i>Recovery: 72%</i>	<i>Limits: 25-128</i>		<i>09/30/20 08:29</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: 2-Fluorobiphenyl</i>					<i>Recovery: 65%</i>	<i>Limits: 24-114</i>		<i>09/30/20 08:29</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: 2,4,6-Tribromophenol</i>					<i>Recovery: 76%</i>	<i>Limits: 15-119</i>		<i>09/30/20 08:29</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: 4-Terphenyl-d14</i>					<i>Recovery: 95%</i>	<i>Limits: 29-129</i>		<i>09/30/20 08:29</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>

**Subcontracted Analyses****Method: SW8260-SIM Modified / SW5030**

1,4-Dioxane	< 0.200	0.500			ug/L	0.0625	0.200	10/02/20 15:19	B0J0077	CP1	1
<i>Surrogate: Toluene-d8</i>					<i>Recovery: 108%</i>	<i>Limits: 80-120</i>		<i>10/02/20 15:19</i>	<i>B0J0077</i>	<i>CP1</i>	<i>1</i>



**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-2  
**Report Date:** 10/07/2020  
**Collection Date:** 09/24/2020 13:40  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-06

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>										
Method: SW8082A / SW3510										
Aroclor 1016	< 0.529	1.06		ug/L	0.224	0.529	09/30/20 17:58	B0I0905	CS2	1
Aroclor 1221	< 0.529	0.635		ug/L	0.203	0.529	09/30/20 17:58	B0I0905	CS2	1
Aroclor 1232	< 0.529	0.635		ug/L	0.171	0.529	09/30/20 17:58	B0I0905	CS2	1
Aroclor 1242	< 1.06	2.12		ug/L	0.371	1.06	09/30/20 17:58	B0I0905	CS2	1
Aroclor 1248	< 0.529	0.635		ug/L	0.169	0.529	09/30/20 17:58	B0I0905	CS2	1
Aroclor 1254	< 0.529	0.635		ug/L	0.186	0.529	09/30/20 17:58	B0I0905	CS2	1
Aroclor 1260	< 0.317	0.423		ug/L	0.119	0.317	09/30/20 17:58	B0I0905	CS2	1
Total PCB	< 0.529	0.635		ug/L	0.203	0.529	09/30/20 17:58	B0I0905	CS2	1
<i>Surrogate: Decachlorobiphenyl</i>				<i>Recovery: 105%</i>	<i>Limits: 10-139</i>		<i>09/30/20 17:58</i>	<i>B0I0905</i>	<i>CS2</i>	<i>1</i>
<i>Surrogate: 2,4,5,6-Tetrachloro-m-xylene</i>				<i>Recovery: 66%</i>	<i>Limits: 26-107</i>		<i>09/30/20 17:58</i>	<i>B0I0905</i>	<i>CS2</i>	<i>1</i>

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** PZ-2  
**Report Date:** 10/07/2020  
**Collection Date:** 09/25/2020 08:25  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-07

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Wet Chemistry</b>										
Method: SW9060										
Organic Carbon, Total	2.98	1.00		mg/L	0.400	0.800	10/06/20 19:55	B0J0227	TB2	1
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>										
Method: SW8082A / SW3510										
Aroclor 1016	< 0.511	1.02		ug/L	0.217	0.511	10/01/20 16:39	B0I0902	CS2	1
Aroclor 1221	< 0.511	0.613		ug/L	0.196	0.511	10/01/20 16:39	B0I0902	CS2	1
Aroclor 1232	< 0.511	0.613		ug/L	0.166	0.511	10/01/20 16:39	B0I0902	CS2	1
Aroclor 1242	< 1.02	2.04		ug/L	0.358	1.02	10/01/20 16:39	B0I0902	CS2	1
Aroclor 1248	< 0.511	0.613		ug/L	0.163	0.511	10/01/20 16:39	B0I0902	CS2	1
Aroclor 1254	< 0.511	0.613		ug/L	0.179	0.511	10/01/20 16:39	B0I0902	CS2	1
Aroclor 1260	< 0.306	0.408		ug/L	0.115	0.306	10/01/20 16:39	B0I0902	CS2	1
Total PCB	< 0.511	0.613		ug/L	0.196	0.511	10/01/20 16:39	B0I0902	CS2	1
Surrogate: Decachlorobiphenyl				Recovery: 70%	Limits: 10-139		10/01/20 16:39	B0I0902	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene				Recovery: 60%	Limits: 26-107		10/01/20 16:39	B0I0902	CS2	1
<b>Volatile Organic Compounds by GC/MS</b>										
Method: SW8260B / SW5030										
1,1,1,2-Tetrachloroethane	< 2.00	4.00		ug/L	0.706	2.00	09/29/20 17:32	B0I0944	WZZ	1
1,1,1-Trichloroethane	< 2.00	4.00		ug/L	0.719	2.00	09/29/20 17:32	B0I0944	WZZ	1
1,1,2,2-Tetrachloroethane	< 2.00	4.00		ug/L	0.713	2.00	09/29/20 17:32	B0I0944	WZZ	1
1,1,2-Trichloroethane	< 0.600	2.00		ug/L	0.198	0.600	09/29/20 17:32	B0I0944	WZZ	1
1,1-Dichloroethane	< 2.00	4.00		ug/L	0.691	2.00	09/29/20 17:32	B0I0944	WZZ	1
1,1-Dichloroethene	< 4.00	8.00		ug/L	1.10	4.00	09/29/20 17:32	B0I0944	WZZ	1
1,1-Dichloropropene	< 1.00	2.00		ug/L	0.462	1.00	09/29/20 17:32	B0I0944	WZZ	1
1,2,3-Trichlorobenzene	< 0.600	2.00		ug/L	0.199	0.600	09/29/20 17:32	B0I0944	WZZ	1
1,2,3-Trichloropropane	< 2.00	4.00		ug/L	0.598	2.00	09/29/20 17:32	B0I0944	WZZ	1
1,2,4-Trimethylbenzene	< 2.00	4.00		ug/L	0.753	2.00	09/29/20 17:32	B0I0944	WZZ	1
1,2-Dibromo-3-chloropropane	< 4.00	8.00		ug/L	1.22	4.00	09/29/20 17:32	B0I0944	WZZ	1
1,2-Dibromoethane	< 1.00	2.00		ug/L	0.420	1.00	09/29/20 17:32	B0I0944	WZZ	1
1,2-Dichloroethane	< 2.00	4.00		ug/L	0.731	2.00	09/29/20 17:32	B0I0944	WZZ	1
1,2-Dichloropropane	< 2.00	4.00		ug/L	0.557	2.00	09/29/20 17:32	B0I0944	WZZ	1
1,3,5-Trimethylbenzene	< 1.00	2.00		ug/L	0.351	1.00	09/29/20 17:32	B0I0944	WZZ	1
1,3-Dichloropropane	< 1.00	2.00		ug/L	0.345	1.00	09/29/20 17:32	B0I0944	WZZ	1
2,2-Dichloropropane	< 4.00	8.00		ug/L	1.03	4.00	09/29/20 17:32	B0I0944	WZZ	1
2-Butanone	< 14.0	28.0		ug/L	4.79	14.0	09/29/20 17:32	B0I0944	WZZ	1
2-Chlorotoluene	< 1.00	2.00		ug/L	0.384	1.00	09/29/20 17:32	B0I0944	WZZ	1
2-Hexanone	< 14.0	28.0		ug/L	4.74	14.0	09/29/20 17:32	B0I0944	WZZ	1
4-Isopropyltoluene	< 2.00	4.00		ug/L	0.930	2.00	09/29/20 17:32	B0I0944	WZZ	1
4-Methyl-2-pentanone	< 14.0	28.0		ug/L	4.40	14.0	09/29/20 17:32	B0I0944	WZZ	1
Acetone	< 28.0	70.0	Q, S1	ug/L	9.21	28.0	09/29/20 17:32	B0I0944	WZZ	1
Benzene	< 1.00	2.00		ug/L	0.362	1.00	09/29/20 17:32	B0I0944	WZZ	1
Bromobenzene	< 1.00	2.00		ug/L	0.354	1.00	09/29/20 17:32	B0I0944	WZZ	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** PZ-2  
**Report Date:** 10/07/2020  
**Collection Date:** 09/25/2020 08:25  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-07 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Volatile Organic Compounds by GC/MS (Continued)</b>										
Method: SW8260B / SW5030 (Continued)										
Bromochloromethane	< 2.00	4.00		ug/L	0.861	2.00	09/29/20 17:32	B0I0944	WZZ	1
Bromodichloromethane	< 1.00	2.00		ug/L	0.458	1.00	09/29/20 17:32	B0I0944	WZZ	1
Bromoform	< 2.00	4.00		ug/L	0.570	2.00	09/29/20 17:32	B0I0944	WZZ	1
Bromomethane	< 4.00	8.00		ug/L	1.61	4.00	09/29/20 17:32	B0I0944	WZZ	1
Carbon disulfide	< 2.00	4.00		ug/L	0.739	2.00	09/29/20 17:32	B0I0944	WZZ	1
Carbon tetrachloride	< 2.00	4.00		ug/L	0.710	2.00	09/29/20 17:32	B0I0944	WZZ	1
Chlorobenzene	< 0.600	2.00		ug/L	0.170	0.600	09/29/20 17:32	B0I0944	WZZ	1
Chloroethane	< 2.00	4.00		ug/L	0.621	2.00	09/29/20 17:32	B0I0944	WZZ	1
Chloroform	< 4.00	8.00		ug/L	1.06	4.00	09/29/20 17:32	B0I0944	WZZ	1
Chloromethane	< 4.00	8.00		ug/L	1.30	4.00	09/29/20 17:32	B0I0944	WZZ	1
cis-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.652	2.00	09/29/20 17:32	B0I0944	WZZ	1
cis-1,3-Dichloropropene	< 2.00	4.00		ug/L	0.408	2.00	09/29/20 17:32	B0I0944	WZZ	1
Cyclohexane	< 1.00	2.00		ug/L	0.325	1.00	09/29/20 17:32	B0I0944	WZZ	1
Dibromochloromethane	< 2.00	4.00		ug/L	0.632	2.00	09/29/20 17:32	B0I0944	WZZ	1
Dibromomethane	< 1.00	2.00		ug/L	0.390	1.00	09/29/20 17:32	B0I0944	WZZ	1
Dichlorodifluoromethane	< 0.600	2.00		ug/L	0.186	0.600	09/29/20 17:32	B0I0944	WZZ	1
Ethylbenzene	< 1.00	2.00		ug/L	0.268	1.00	09/29/20 17:32	B0I0944	WZZ	1
Isopropylbenzene	< 1.00	2.00		ug/L	0.312	1.00	09/29/20 17:32	B0I0944	WZZ	1
m,p-Xylene	< 4.00	8.00		ug/L	1.58	4.00	09/29/20 17:32	B0I0944	WZZ	1
Methyl tert-butyl ether	< 2.00	4.00		ug/L	0.838	2.00	09/29/20 17:32	B0I0944	WZZ	1
Methylene chloride	< 4.00	8.00		ug/L	1.02	4.00	09/29/20 17:32	B0I0944	WZZ	1
n-Butylbenzene	< 1.00	2.00		ug/L	0.295	1.00	09/29/20 17:32	B0I0944	WZZ	1
n-Propylbenzene	< 1.00	2.00		ug/L	0.289	1.00	09/29/20 17:32	B0I0944	WZZ	1
o-Xylene	< 1.00	2.00		ug/L	0.324	1.00	09/29/20 17:32	B0I0944	WZZ	1
sec-Butylbenzene	< 0.600	2.00		ug/L	0.223	0.600	09/29/20 17:32	B0I0944	WZZ	1
Styrene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 17:32	B0I0944	WZZ	1
tert-Butylbenzene	< 2.00	4.00		ug/L	0.800	2.00	09/29/20 17:32	B0I0944	WZZ	1
Tetrachloroethene	< 2.00	4.00		ug/L	0.646	2.00	09/29/20 17:32	B0I0944	WZZ	1
Toluene	< 2.00	4.00		ug/L	0.510	2.00	09/29/20 17:32	B0I0944	WZZ	1
trans-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.566	2.00	09/29/20 17:32	B0I0944	WZZ	1
trans-1,3-Dichloropropene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 17:32	B0I0944	WZZ	1
Trichloroethene	< 2.00	4.00		ug/L	0.939	2.00	09/29/20 17:32	B0I0944	WZZ	1
Trichlorofluoromethane	< 2.00	4.00		ug/L	0.503	2.00	09/29/20 17:32	B0I0944	WZZ	1
Vinyl chloride	< 2.00	4.00		ug/L	0.582	2.00	09/29/20 17:32	B0I0944	WZZ	1
Xylenes, Total	< 6.00	12.0		ug/L	1.62	6.00	09/29/20 17:32	B0I0944	WZZ	1
<i>Surrogate: Dibromofluoromethane</i>				<i>Recovery: 104%</i>	<i>Limits: 84-137</i>		<i>09/29/20 17:32</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>				<i>Recovery: 102%</i>	<i>Limits: 74-140</i>		<i>09/29/20 17:32</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Fluorobenzene</i>				<i>Recovery: 100%</i>	<i>Limits: 90-105</i>		<i>09/29/20 17:32</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Toluene-d8</i>				<i>Recovery: 100%</i>	<i>Limits: 74-109</i>		<i>09/29/20 17:32</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 4-Bromofluorobenzene</i>				<i>Recovery: 94%</i>	<i>Limits: 86-128</i>		<i>09/29/20 17:32</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>				<i>Recovery: 98%</i>	<i>Limits: 90-128</i>		<i>09/29/20 17:32</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** PZ-2  
**Report Date:** 10/07/2020  
**Collection Date:** 09/25/2020 08:25  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-07 (Continued)

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Limit								
<b>Semivolatile Organic Compounds by GC/MS</b>											
<b>Method: SW8270D / SW3510</b>											
1,2,4-Trichlorobenzene	< 1.04	2.07			ug/L	0.290	1.04	09/30/20 08:50	B0I0881	CP1	1
1,2-Dichlorobenzene	< 1.04	2.07			ug/L	0.311	1.04	09/30/20 08:50	B0I0881	CP1	1
1,3-Dichlorobenzene	< 1.04	2.07			ug/L	0.321	1.04	09/30/20 08:50	B0I0881	CP1	1
1,4-Dichlorobenzene	< 1.04	2.07			ug/L	0.290	1.04	09/30/20 08:50	B0I0881	CP1	1
2,4,5-Trichlorophenol	< 0.518	1.04			ug/L	0.134	0.518	09/30/20 08:50	B0I0881	CP1	1
2,4,6-Trichlorophenol	< 0.518	1.04			ug/L	0.252	0.518	09/30/20 08:50	B0I0881	CP1	1
2,4-Dichlorophenol	< 0.518	1.04			ug/L	0.0816	0.518	09/30/20 08:50	B0I0881	CP1	1
2,4-Dimethylphenol	< 1.04	2.07			ug/L	0.122	1.04	09/30/20 08:50	B0I0881	CP1	1
2,4-Dinitrophenol	< 10.4	31.1			ug/L	3.43	10.4	09/30/20 08:50	B0I0881	CP1	1
2,4-Dinitrotoluene	< 1.04	2.07			ug/L	0.261	1.04	09/30/20 08:50	B0I0881	CP1	1
2,6-Dinitrotoluene	< 0.518	1.04			ug/L	0.238	0.518	09/30/20 08:50	B0I0881	CP1	1
2-Chloronaphthalene	< 0.311	0.622			ug/L	0.110	0.311	09/30/20 08:50	B0I0881	CP1	1
2-Chlorophenol	< 0.518	1.04			ug/L	0.159	0.518	09/30/20 08:50	B0I0881	CP1	1
2-Methylnaphthalene	< 2.07	4.14			ug/L	0.663	2.07	09/30/20 08:50	B0I0881	CP1	1
2-Methylphenol	< 0.518	1.04			ug/L	0.189	0.518	09/30/20 08:50	B0I0881	CP1	1
2-Nitroaniline	< 10.4	31.1			ug/L	2.65	10.4	09/30/20 08:50	B0I0881	CP1	1
2-Nitrophenol	< 0.518	1.04			ug/L	0.217	0.518	09/30/20 08:50	B0I0881	CP1	1
3,3'-Dichlorobenzidine	< 10.4	20.7			ug/L	3.28	10.4	09/30/20 08:50	B0I0881	CP1	1
3 & 4-Methylphenol	< 0.518	1.04			ug/L	0.186	0.518	09/30/20 08:50	B0I0881	CP1	1
3-Nitroaniline	< 1.04	2.07			ug/L	0.373	1.04	09/30/20 08:50	B0I0881	CP1	1
4,6-Dinitro-2-methylphenol	< 5.18	15.5			ug/L	2.54	5.18	09/30/20 08:50	B0I0881	CP1	1
4-Bromophenyl-phenylether	< 0.518	1.04			ug/L	0.166	0.518	09/30/20 08:50	B0I0881	CP1	1
4-Chloro-3-methylphenol	< 0.207	0.518			ug/L	0.0739	0.207	09/30/20 08:50	B0I0881	CP1	1
4-Chloroaniline	< 0.311	0.622			ug/L	0.111	0.311	09/30/20 08:50	B0I0881	CP1	1
4-Chlorophenyl-phenylether	< 0.518	1.04			ug/L	0.151	0.518	09/30/20 08:50	B0I0881	CP1	1
4-Nitroaniline	< 10.4	31.1			ug/L	3.91	10.4	09/30/20 08:50	B0I0881	CP1	1
4-Nitrophenol	< 5.18	15.5			ug/L	1.49	5.18	09/30/20 08:50	B0I0881	CP1	1
Acenaphthene	< 0.311	0.622			ug/L	0.108	0.311	09/30/20 08:50	B0I0881	CP1	1
Acenaphthylene	< 0.311	0.622			ug/L	0.135	0.311	09/30/20 08:50	B0I0881	CP1	1
Anthracene	< 0.311	0.622			ug/L	0.116	0.311	09/30/20 08:50	B0I0881	CP1	1
Azobenzene as 1,2-Diphenylhydrazine	< 0.311	1.04			ug/L	0.0795	0.311	09/30/20 08:50	B0I0881	CP1	1
Benzidine	< 41.4	82.9			ug/L	17.2	41.4	09/30/20 08:50	B0I0881	CP1	1
Benzo(a)anthracene	< 0.311	0.622			ug/L	0.128	0.311	09/30/20 08:50	B0I0881	CP1	1
Benzo(a)pyrene	< 1.04	2.07			ug/L	0.389	1.04	09/30/20 08:50	B0I0881	CP1	1
Benzo(b)fluoranthene	< 1.04	2.07			ug/L	0.386	1.04	09/30/20 08:50	B0I0881	CP1	1
Benzo(g,h,i)perylene	< 1.04	2.07			ug/L	0.414	1.04	09/30/20 08:50	B0I0881	CP1	1
Benzo(k)fluoranthene	< 0.518	2.07			ug/L	0.258	0.518	09/30/20 08:50	B0I0881	CP1	1
Benzoic acid	< 24.9	41.4			ug/L	12.2	24.9	09/30/20 08:50	B0I0881	CP1	1
Benzyl alcohol	< 2.07	4.14			ug/L	0.570	2.07	09/30/20 08:50	B0I0881	CP1	1
Bis(2-chloroethoxy)methane	< 0.518	1.04			ug/L	0.140	0.518	09/30/20 08:50	B0I0881	CP1	1
Bis(2-chloroethyl)ether	< 0.518	1.04			ug/L	0.182	0.518	09/30/20 08:50	B0I0881	CP1	1
Bis(2-chloroisopropyl)ether	< 0.518	1.04			ug/L	0.133	0.518	09/30/20 08:50	B0I0881	CP1	1
Bis(2-ethylhexyl)phthalate	< 10.4	20.7			ug/L	3.76	10.4	09/30/20 08:50	B0I0881	CP1	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** PZ-2  
**Report Date:** 10/07/2020  
**Collection Date:** 09/25/2020 08:25  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-07 (Continued)

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time	Batch	Analyst	DF
		Limit						Analyzed			
<b>Semivolatile Organic Compounds by GC/MS (Continued)</b>											
<b>Method: SW8270D / SW3510 (Continued)</b>											
Butyl benzyl phthalate	< 0.518	1.04			ug/L	0.242	0.518	09/30/20 08:50	B0I0881	CP1	1
Carbazole	< 0.518	1.04			ug/L	0.179	0.518	09/30/20 08:50	B0I0881	CP1	1
Chrysene	< 0.311	0.622			ug/L	0.131	0.311	09/30/20 08:50	B0I0881	CP1	1
Dibenzo(a,h)anthracene	< 1.04	2.07			ug/L	0.458	1.04	09/30/20 08:50	B0I0881	CP1	1
Dibenzofuran	< 0.311	0.622			ug/L	0.127	0.311	09/30/20 08:50	B0I0881	CP1	1
Diethyl phthalate	< 3.11	6.22			ug/L	1.21	3.11	09/30/20 08:50	B0I0881	CP1	1
Dimethyl phthalate	< 0.311	0.622			ug/L	0.0915	0.311	09/30/20 08:50	B0I0881	CP1	1
Di-n-butyl phthalate	< 6.22	10.4			ug/L	2.98	6.22	09/30/20 08:50	B0I0881	CP1	1
Di-n-octyl phthalate	< 5.18	10.4			ug/L	1.96	5.18	09/30/20 08:50	B0I0881	CP1	1
Fluoranthene	< 0.518	1.04			ug/L	0.203	0.518	09/30/20 08:50	B0I0881	CP1	1
Fluorene	< 0.311	0.622			ug/L	0.128	0.311	09/30/20 08:50	B0I0881	CP1	1
Hexachlorobenzene	< 0.518	1.04			ug/L	0.171	0.518	09/30/20 08:50	B0I0881	CP1	1
Hexachlorobutadiene	< 0.518	1.04			ug/L	0.259	0.518	09/30/20 08:50	B0I0881	CP1	1
Hexachlorocyclopentadiene	< 5.18	15.5			ug/L	2.27	5.18	09/30/20 08:50	B0I0881	CP1	1
Hexachloroethane	< 0.518	1.04			ug/L	0.228	0.518	09/30/20 08:50	B0I0881	CP1	1
Indeno(1,2,3-cd)pyrene	< 1.04	2.07			ug/L	0.521	1.04	09/30/20 08:50	B0I0881	CP1	1
Isophorone	< 0.311	0.622			ug/L	0.114	0.311	09/30/20 08:50	B0I0881	CP1	1
Naphthalene	< 2.07	4.14			ug/L	0.845	2.07	09/30/20 08:50	B0I0881	CP1	1
Nitrobenzene	< 0.311	0.622			ug/L	0.145	0.311	09/30/20 08:50	B0I0881	CP1	1
N-Nitrosodimethylamine	< 0.518	1.04			ug/L	0.161	0.518	09/30/20 08:50	B0I0881	CP1	1
N-Nitrosodi-n-propylamine	< 1.04	2.07			ug/L	0.330	1.04	09/30/20 08:50	B0I0881	CP1	1
N-Nitrosodiphenylamine	< 0.311	0.622			ug/L	0.108	0.311	09/30/20 08:50	B0I0881	CP1	1
Pentachlorophenol	< 10.4	31.1			ug/L	2.61	10.4	09/30/20 08:50	B0I0881	CP1	1
Phenanthrene	< 0.518	1.04			ug/L	0.213	0.518	09/30/20 08:50	B0I0881	CP1	1
Phenol	< 0.518	1.04			ug/L	0.177	0.518	09/30/20 08:50	B0I0881	CP1	1
Pyrene	< 0.518	1.04			ug/L	0.215	0.518	09/30/20 08:50	B0I0881	CP1	1
<i>Surrogate: 2-Fluorophenol</i>					<i>Recovery: 47%</i>	<i>Limits: 10-88</i>		<i>09/30/20 08:50</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: Phenol-d5</i>					<i>Recovery: 37%</i>	<i>Limits: 10-65</i>		<i>09/30/20 08:50</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: Nitrobenzene-d5</i>					<i>Recovery: 76%</i>	<i>Limits: 25-128</i>		<i>09/30/20 08:50</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: 2-Fluorobiphenyl</i>					<i>Recovery: 69%</i>	<i>Limits: 24-114</i>		<i>09/30/20 08:50</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: 2,4,6-Tribromophenol</i>					<i>Recovery: 78%</i>	<i>Limits: 15-119</i>		<i>09/30/20 08:50</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: 4-Terphenyl-d14</i>					<i>Recovery: 95%</i>	<i>Limits: 29-129</i>		<i>09/30/20 08:50</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>

**Subcontracted Analyses****Method: SW8260-SIM Modified / SW5030**

1,4-Dioxane	< 0.200	0.500			ug/L	0.0625	0.200	10/02/20 18:09	B0J0077	CP1	1
<i>Surrogate: Toluene-d8</i>					<i>Recovery: 97%</i>	<i>Limits: 80-120</i>		<i>10/02/20 18:09</i>	<i>B0J0077</i>	<i>CP1</i>	<i>1</i>



**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** PZ-2  
**Report Date:** 10/07/2020  
**Collection Date:** 09/25/2020 08:25  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-08

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF	
		Limit										
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>												
Method: SW8082A / SW3510												
Aroclor 1016	< 0.508	1.02			ug/L	0.216	0.508	10/01/20 16:39	B0I0905	CS2	1	
Aroclor 1221	< 0.508	0.610			ug/L	0.195	0.508	10/01/20 16:39	B0I0905	CS2	1	
Aroclor 1232	< 0.508	0.610			ug/L	0.165	0.508	10/01/20 16:39	B0I0905	CS2	1	
Aroclor 1242	< 1.02	2.03			ug/L	0.356	1.02	10/01/20 16:39	B0I0905	CS2	1	
Aroclor 1248	< 0.508	0.610			ug/L	0.163	0.508	10/01/20 16:39	B0I0905	CS2	1	
Aroclor 1254	< 0.508	0.610			ug/L	0.179	0.508	10/01/20 16:39	B0I0905	CS2	1	
Aroclor 1260	< 0.305	0.407			ug/L	0.114	0.305	10/01/20 16:39	B0I0905	CS2	1	
Total PCB	< 0.508	0.610			ug/L	0.195	0.508	10/01/20 16:39	B0I0905	CS2	1	
<i>Surrogate: Decachlorobiphenyl</i>					Recovery: 88%		Limits: 10-139		10/01/20 16:39	B0I0905	CS2	1
<i>Surrogate: 2,4,5,6-Tetrachloro-m-xylene</i>					Recovery: 64%		Limits: 26-107		10/01/20 16:39	B0I0905	CS2	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-3  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 11:00  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-09

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Limit								
<b>Wet Chemistry</b>											
Method: SW9060											
Organic Carbon, Total	3.83	1.00			mg/L	0.400	0.800	10/06/20 20:14	B0J0227	TB2	1
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>											
Method: SW8082A / SW3510											
Aroclor 1016	< 0.524	1.05			ug/L	0.223	0.524	09/30/20 17:58	B0I0902	CS2	1
Aroclor 1221	< 0.524	0.629			ug/L	0.201	0.524	09/30/20 17:58	B0I0902	CS2	1
Aroclor 1232	< 0.524	0.629			ug/L	0.170	0.524	09/30/20 17:58	B0I0902	CS2	1
Aroclor 1242	< 1.05	2.10			ug/L	0.367	1.05	09/30/20 17:58	B0I0902	CS2	1
Aroclor 1248	< 0.524	0.629			ug/L	0.168	0.524	09/30/20 17:58	B0I0902	CS2	1
Aroclor 1254	< 0.524	0.629			ug/L	0.184	0.524	09/30/20 17:58	B0I0902	CS2	1
Aroclor 1260	< 0.315	0.419			ug/L	0.118	0.315	09/30/20 17:58	B0I0902	CS2	1
Total PCB	< 0.524	0.629			ug/L	0.201	0.524	09/30/20 17:58	B0I0902	CS2	1
Surrogate: Decachlorobiphenyl					Recovery: 73%	Limits: 10-139		09/30/20 17:58	B0I0902	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene					Recovery: 47%	Limits: 26-107		09/30/20 17:58	B0I0902	CS2	1
<b>Volatile Organic Compounds by GC/MS</b>											
Method: SW8260B / SW5030											
1,1,1,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.706	2.00	09/29/20 17:58	B0I0944	WZZ	1
1,1,1-Trichloroethane	< 2.00	4.00			ug/L	0.719	2.00	09/29/20 17:58	B0I0944	WZZ	1
1,1,2,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.713	2.00	09/29/20 17:58	B0I0944	WZZ	1
1,1,2-Trichloroethane	< 0.600	2.00			ug/L	0.198	0.600	09/29/20 17:58	B0I0944	WZZ	1
1,1-Dichloroethane	< 2.00	4.00			ug/L	0.691	2.00	09/29/20 17:58	B0I0944	WZZ	1
1,1-Dichloroethene	< 4.00	8.00			ug/L	1.10	4.00	09/29/20 17:58	B0I0944	WZZ	1
1,1-Dichloropropene	< 1.00	2.00			ug/L	0.462	1.00	09/29/20 17:58	B0I0944	WZZ	1
1,2,3-Trichlorobenzene	< 0.600	2.00			ug/L	0.199	0.600	09/29/20 17:58	B0I0944	WZZ	1
1,2,3-Trichloropropane	< 2.00	4.00			ug/L	0.598	2.00	09/29/20 17:58	B0I0944	WZZ	1
1,2,4-Trimethylbenzene	< 2.00	4.00			ug/L	0.753	2.00	09/29/20 17:58	B0I0944	WZZ	1
1,2-Dibromo-3-chloropropane	< 4.00	8.00			ug/L	1.22	4.00	09/29/20 17:58	B0I0944	WZZ	1
1,2-Dibromoethane	< 1.00	2.00			ug/L	0.420	1.00	09/29/20 17:58	B0I0944	WZZ	1
1,2-Dichloroethane	< 2.00	4.00			ug/L	0.731	2.00	09/29/20 17:58	B0I0944	WZZ	1
1,2-Dichloropropane	< 2.00	4.00			ug/L	0.557	2.00	09/29/20 17:58	B0I0944	WZZ	1
1,3,5-Trimethylbenzene	< 1.00	2.00			ug/L	0.351	1.00	09/29/20 17:58	B0I0944	WZZ	1
1,3-Dichloropropane	< 1.00	2.00			ug/L	0.345	1.00	09/29/20 17:58	B0I0944	WZZ	1
2,2-Dichloropropane	< 4.00	8.00			ug/L	1.03	4.00	09/29/20 17:58	B0I0944	WZZ	1
2-Butanone	< 14.0	28.0			ug/L	4.79	14.0	09/29/20 17:58	B0I0944	WZZ	1
2-Chlorotoluene	< 1.00	2.00			ug/L	0.384	1.00	09/29/20 17:58	B0I0944	WZZ	1
2-Hexanone	< 14.0	28.0			ug/L	4.74	14.0	09/29/20 17:58	B0I0944	WZZ	1
4-Isopropyltoluene	< 2.00	4.00			ug/L	0.930	2.00	09/29/20 17:58	B0I0944	WZZ	1
4-Methyl-2-pentanone	< 14.0	28.0			ug/L	4.40	14.0	09/29/20 17:58	B0I0944	WZZ	1
Acetone	< 28.0	70.0	Q, S1		ug/L	9.21	28.0	09/29/20 17:58	B0I0944	WZZ	1
Benzene	< 1.00	2.00			ug/L	0.362	1.00	09/29/20 17:58	B0I0944	WZZ	1
Bromobenzene	< 1.00	2.00			ug/L	0.354	1.00	09/29/20 17:58	B0I0944	WZZ	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-3  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 11:00  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-09 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Volatile Organic Compounds by GC/MS (Continued)</b>										
Method: SW8260B / SW5030 (Continued)										
Bromochloromethane	< 2.00	4.00		ug/L	0.861	2.00	09/29/20 17:58	B0I0944	WZZ	1
Bromodichloromethane	< 1.00	2.00		ug/L	0.458	1.00	09/29/20 17:58	B0I0944	WZZ	1
Bromoform	< 2.00	4.00		ug/L	0.570	2.00	09/29/20 17:58	B0I0944	WZZ	1
Bromomethane	< 4.00	8.00		ug/L	1.61	4.00	09/29/20 17:58	B0I0944	WZZ	1
Carbon disulfide	< 2.00	4.00		ug/L	0.739	2.00	09/29/20 17:58	B0I0944	WZZ	1
Carbon tetrachloride	< 2.00	4.00		ug/L	0.710	2.00	09/29/20 17:58	B0I0944	WZZ	1
Chlorobenzene	< 0.600	2.00		ug/L	0.170	0.600	09/29/20 17:58	B0I0944	WZZ	1
Chloroethane	< 2.00	4.00		ug/L	0.621	2.00	09/29/20 17:58	B0I0944	WZZ	1
Chloroform	< 4.00	8.00		ug/L	1.06	4.00	09/29/20 17:58	B0I0944	WZZ	1
Chloromethane	< 4.00	8.00		ug/L	1.30	4.00	09/29/20 17:58	B0I0944	WZZ	1
cis-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.652	2.00	09/29/20 17:58	B0I0944	WZZ	1
cis-1,3-Dichloropropene	< 2.00	4.00		ug/L	0.408	2.00	09/29/20 17:58	B0I0944	WZZ	1
Cyclohexane	< 1.00	2.00		ug/L	0.325	1.00	09/29/20 17:58	B0I0944	WZZ	1
Dibromochloromethane	< 2.00	4.00		ug/L	0.632	2.00	09/29/20 17:58	B0I0944	WZZ	1
Dibromomethane	< 1.00	2.00		ug/L	0.390	1.00	09/29/20 17:58	B0I0944	WZZ	1
Dichlorodifluoromethane	< 0.600	2.00		ug/L	0.186	0.600	09/29/20 17:58	B0I0944	WZZ	1
Ethylbenzene	< 1.00	2.00		ug/L	0.268	1.00	09/29/20 17:58	B0I0944	WZZ	1
Isopropylbenzene	< 1.00	2.00		ug/L	0.312	1.00	09/29/20 17:58	B0I0944	WZZ	1
m,p-Xylene	< 4.00	8.00		ug/L	1.58	4.00	09/29/20 17:58	B0I0944	WZZ	1
Methyl tert-butyl ether	< 2.00	4.00		ug/L	0.838	2.00	09/29/20 17:58	B0I0944	WZZ	1
Methylene chloride	< 4.00	8.00		ug/L	1.02	4.00	09/29/20 17:58	B0I0944	WZZ	1
n-Butylbenzene	< 1.00	2.00		ug/L	0.295	1.00	09/29/20 17:58	B0I0944	WZZ	1
n-Propylbenzene	< 1.00	2.00		ug/L	0.289	1.00	09/29/20 17:58	B0I0944	WZZ	1
o-Xylene	< 1.00	2.00		ug/L	0.324	1.00	09/29/20 17:58	B0I0944	WZZ	1
sec-Butylbenzene	< 0.600	2.00		ug/L	0.223	0.600	09/29/20 17:58	B0I0944	WZZ	1
Styrene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 17:58	B0I0944	WZZ	1
tert-Butylbenzene	< 2.00	4.00		ug/L	0.800	2.00	09/29/20 17:58	B0I0944	WZZ	1
Tetrachloroethene	< 2.00	4.00		ug/L	0.646	2.00	09/29/20 17:58	B0I0944	WZZ	1
Toluene	< 2.00	4.00		ug/L	0.510	2.00	09/29/20 17:58	B0I0944	WZZ	1
trans-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.566	2.00	09/29/20 17:58	B0I0944	WZZ	1
trans-1,3-Dichloropropene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 17:58	B0I0944	WZZ	1
Trichloroethene	< 2.00	4.00		ug/L	0.939	2.00	09/29/20 17:58	B0I0944	WZZ	1
Trichlorofluoromethane	< 2.00	4.00		ug/L	0.503	2.00	09/29/20 17:58	B0I0944	WZZ	1
Vinyl chloride	< 2.00	4.00		ug/L	0.582	2.00	09/29/20 17:58	B0I0944	WZZ	1
Xylenes, Total	< 6.00	12.0		ug/L	1.62	6.00	09/29/20 17:58	B0I0944	WZZ	1
<i>Surrogate: Dibromofluoromethane</i>				<i>Recovery: 99%</i>	<i>Limits: 84-137</i>		<i>09/29/20 17:58</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>				<i>Recovery: 103%</i>	<i>Limits: 74-140</i>		<i>09/29/20 17:58</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Fluorobenzene</i>				<i>Recovery: 99%</i>	<i>Limits: 90-105</i>		<i>09/29/20 17:58</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Toluene-d8</i>				<i>Recovery: 102%</i>	<i>Limits: 74-109</i>		<i>09/29/20 17:58</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 4-Bromofluorobenzene</i>				<i>Recovery: 103%</i>	<i>Limits: 86-128</i>		<i>09/29/20 17:58</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>				<i>Recovery: 100%</i>	<i>Limits: 90-128</i>		<i>09/29/20 17:58</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>



**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-3  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 11:00  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-09 (Continued)

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Limit								
<b>Semivolatile Organic Compounds by GC/MS</b>											
Method: SW8270D / SW3510											
1,2,4-Trichlorobenzene	< 1.05	2.09			ug/L	0.293	1.05	09/30/20 09:11	B0I0881	CP1	1
1,2-Dichlorobenzene	< 1.05	2.09			ug/L	0.314	1.05	09/30/20 09:11	B0I0881	CP1	1
1,3-Dichlorobenzene	< 1.05	2.09			ug/L	0.324	1.05	09/30/20 09:11	B0I0881	CP1	1
1,4-Dichlorobenzene	< 1.05	2.09			ug/L	0.293	1.05	09/30/20 09:11	B0I0881	CP1	1
2,4,5-Trichlorophenol	< 0.523	1.05			ug/L	0.135	0.523	09/30/20 09:11	B0I0881	CP1	1
2,4,6-Trichlorophenol	< 0.523	1.05			ug/L	0.255	0.523	09/30/20 09:11	B0I0881	CP1	1
2,4-Dichlorophenol	< 0.523	1.05			ug/L	0.0825	0.523	09/30/20 09:11	B0I0881	CP1	1
2,4-Dimethylphenol	< 1.05	2.09			ug/L	0.123	1.05	09/30/20 09:11	B0I0881	CP1	1
2,4-Dinitrophenol	< 10.5	31.4			ug/L	3.46	10.5	09/30/20 09:11	B0I0881	CP1	1
2,4-Dinitrotoluene	< 1.05	2.09			ug/L	0.264	1.05	09/30/20 09:11	B0I0881	CP1	1
2,6-Dinitrotoluene	< 0.523	1.05			ug/L	0.241	0.523	09/30/20 09:11	B0I0881	CP1	1
2-Chloronaphthalene	< 0.314	0.628			ug/L	0.111	0.314	09/30/20 09:11	B0I0881	CP1	1
2-Chlorophenol	< 0.523	1.05			ug/L	0.161	0.523	09/30/20 09:11	B0I0881	CP1	1
2-Methylnaphthalene	< 2.09	4.19			ug/L	0.670	2.09	09/30/20 09:11	B0I0881	CP1	1
2-Methylphenol	< 0.523	1.05			ug/L	0.191	0.523	09/30/20 09:11	B0I0881	CP1	1
2-Nitroaniline	< 10.5	31.4			ug/L	2.68	10.5	09/30/20 09:11	B0I0881	CP1	1
2-Nitrophenol	< 0.523	1.05			ug/L	0.219	0.523	09/30/20 09:11	B0I0881	CP1	1
3,3'-Dichlorobenzidine	< 10.5	20.9			ug/L	3.31	10.5	09/30/20 09:11	B0I0881	CP1	1
3 & 4-Methylphenol	< 0.523	1.05			ug/L	0.187	0.523	09/30/20 09:11	B0I0881	CP1	1
3-Nitroaniline	< 1.05	2.09			ug/L	0.377	1.05	09/30/20 09:11	B0I0881	CP1	1
4,6-Dinitro-2-methylphenol	< 5.23	15.7			ug/L	2.57	5.23	09/30/20 09:11	B0I0881	CP1	1
4-Bromophenyl-phenylether	< 0.523	1.05			ug/L	0.168	0.523	09/30/20 09:11	B0I0881	CP1	1
4-Chloro-3-methylphenol	< 0.209	0.523			ug/L	0.0746	0.209	09/30/20 09:11	B0I0881	CP1	1
4-Chloroaniline	< 0.314	0.628			ug/L	0.112	0.314	09/30/20 09:11	B0I0881	CP1	1
4-Chlorophenyl-phenylether	< 0.523	1.05			ug/L	0.152	0.523	09/30/20 09:11	B0I0881	CP1	1
4-Nitroaniline	< 10.5	31.4			ug/L	3.95	10.5	09/30/20 09:11	B0I0881	CP1	1
4-Nitrophenol	< 5.23	15.7			ug/L	1.50	5.23	09/30/20 09:11	B0I0881	CP1	1
Acenaphthene	< 0.314	0.628			ug/L	0.109	0.314	09/30/20 09:11	B0I0881	CP1	1
Acenaphthylene	< 0.314	0.628			ug/L	0.136	0.314	09/30/20 09:11	B0I0881	CP1	1
Anthracene	< 0.314	0.628			ug/L	0.117	0.314	09/30/20 09:11	B0I0881	CP1	1
Azobenzene as 1,2-Diphenylhydrazine	< 0.314	1.05			ug/L	0.0803	0.314	09/30/20 09:11	B0I0881	CP1	1
Benzidine	< 41.9	83.7			ug/L	17.3	41.9	09/30/20 09:11	B0I0881	CP1	1
Benzo(a)anthracene	< 0.314	0.628			ug/L	0.129	0.314	09/30/20 09:11	B0I0881	CP1	1
Benzo(a)pyrene	< 1.05	2.09			ug/L	0.393	1.05	09/30/20 09:11	B0I0881	CP1	1
Benzo(b)fluoranthene	< 1.05	2.09			ug/L	0.390	1.05	09/30/20 09:11	B0I0881	CP1	1
Benzo(g,h,i)perylene	< 1.05	2.09			ug/L	0.418	1.05	09/30/20 09:11	B0I0881	CP1	1
Benzo(k)fluoranthene	< 0.523	2.09			ug/L	0.260	0.523	09/30/20 09:11	B0I0881	CP1	1
Benzoic acid	< 25.1	41.9			ug/L	12.3	25.1	09/30/20 09:11	B0I0881	CP1	1
Benzyl alcohol	< 2.09	4.19			ug/L	0.576	2.09	09/30/20 09:11	B0I0881	CP1	1
Bis(2-chloroethoxy)methane	< 0.523	1.05			ug/L	0.142	0.523	09/30/20 09:11	B0I0881	CP1	1
Bis(2-chloroethyl)ether	< 0.523	1.05			ug/L	0.184	0.523	09/30/20 09:11	B0I0881	CP1	1
Bis(2-chloroisopropyl)ether	< 0.523	1.05			ug/L	0.134	0.523	09/30/20 09:11	B0I0881	CP1	1
Bis(2-ethylhexyl)phthalate	< 10.5	20.9			ug/L	3.80	10.5	09/30/20 09:11	B0I0881	CP1	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-3  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 11:00  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-09 (Continued)

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time	Batch	Analyst	DF
		Limit						Analyzed			
<b>Semivolatile Organic Compounds by GC/MS (Continued)</b>											
<b>Method: SW8270D / SW3510 (Continued)</b>											
Butyl benzyl phthalate	< 0.523	1.05			ug/L	0.245	0.523	09/30/20 09:11	B0I0881	CP1	1
Carbazole	< 0.523	1.05			ug/L	0.181	0.523	09/30/20 09:11	B0I0881	CP1	1
Chrysene	< 0.314	0.628			ug/L	0.133	0.314	09/30/20 09:11	B0I0881	CP1	1
Dibenzo(a,h)anthracene	< 1.05	2.09			ug/L	0.462	1.05	09/30/20 09:11	B0I0881	CP1	1
Dibenzofuran	< 0.314	0.628			ug/L	0.128	0.314	09/30/20 09:11	B0I0881	CP1	1
Diethyl phthalate	< 3.14	6.28			ug/L	1.22	3.14	09/30/20 09:11	B0I0881	CP1	1
Dimethyl phthalate	< 0.314	0.628			ug/L	0.0924	0.314	09/30/20 09:11	B0I0881	CP1	1
Di-n-butyl phthalate	< 6.28	10.5			ug/L	3.01	6.28	09/30/20 09:11	B0I0881	CP1	1
Di-n-octyl phthalate	< 5.23	10.5			ug/L	1.98	5.23	09/30/20 09:11	B0I0881	CP1	1
Fluoranthene	< 0.523	1.05			ug/L	0.206	0.523	09/30/20 09:11	B0I0881	CP1	1
Fluorene	< 0.314	0.628			ug/L	0.130	0.314	09/30/20 09:11	B0I0881	CP1	1
Hexachlorobenzene	< 0.523	1.05			ug/L	0.173	0.523	09/30/20 09:11	B0I0881	CP1	1
Hexachlorobutadiene	< 0.523	1.05			ug/L	0.262	0.523	09/30/20 09:11	B0I0881	CP1	1
Hexachlorocyclopentadiene	< 5.23	15.7			ug/L	2.29	5.23	09/30/20 09:11	B0I0881	CP1	1
Hexachloroethane	< 0.523	1.05			ug/L	0.230	0.523	09/30/20 09:11	B0I0881	CP1	1
Indeno(1,2,3-cd)pyrene	< 1.05	2.09			ug/L	0.526	1.05	09/30/20 09:11	B0I0881	CP1	1
Isophorone	< 0.314	0.628			ug/L	0.115	0.314	09/30/20 09:11	B0I0881	CP1	1
Naphthalene	< 2.09	4.19			ug/L	0.854	2.09	09/30/20 09:11	B0I0881	CP1	1
Nitrobenzene	< 0.314	0.628			ug/L	0.146	0.314	09/30/20 09:11	B0I0881	CP1	1
N-Nitrosodimethylamine	< 0.523	1.05			ug/L	0.163	0.523	09/30/20 09:11	B0I0881	CP1	1
N-Nitrosodi-n-propylamine	< 1.05	2.09			ug/L	0.334	1.05	09/30/20 09:11	B0I0881	CP1	1
N-Nitrosodiphenylamine	< 0.314	0.628			ug/L	0.109	0.314	09/30/20 09:11	B0I0881	CP1	1
Pentachlorophenol	< 10.5	31.4			ug/L	2.64	10.5	09/30/20 09:11	B0I0881	CP1	1
Phenanthrene	< 0.523	1.05			ug/L	0.216	0.523	09/30/20 09:11	B0I0881	CP1	1
Phenol	< 0.523	1.05			ug/L	0.179	0.523	09/30/20 09:11	B0I0881	CP1	1
Pyrene	< 0.523	1.05			ug/L	0.218	0.523	09/30/20 09:11	B0I0881	CP1	1
<i>Surrogate: 2-Fluorophenol</i>				<i>Recovery: 35%</i>	<i>Limits: 10-88</i>			<i>09/30/20 09:11</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: Phenol-d5</i>				<i>Recovery: 30%</i>	<i>Limits: 10-65</i>			<i>09/30/20 09:11</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: Nitrobenzene-d5</i>				<i>Recovery: 56%</i>	<i>Limits: 25-128</i>			<i>09/30/20 09:11</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: 2-Fluorobiphenyl</i>				<i>Recovery: 54%</i>	<i>Limits: 24-114</i>			<i>09/30/20 09:11</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: 2,4,6-Tribromophenol</i>				<i>Recovery: 64%</i>	<i>Limits: 15-119</i>			<i>09/30/20 09:11</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: 4-Terphenyl-d14</i>				<i>Recovery: 81%</i>	<i>Limits: 29-129</i>			<i>09/30/20 09:11</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>

**Subcontracted Analyses****Method: SW8260-SIM Modified / SW5030**

1,4-Dioxane	< 0.200	0.500			ug/L	0.0625	0.200	10/02/20 12:53	B0J0077	CP1	1
<i>Surrogate: Toluene-d8</i>				<i>Recovery: 108%</i>	<i>Limits: 80-120</i>			<i>10/02/20 12:53</i>	<i>B0J0077</i>	<i>CP1</i>	<i>1</i>

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-3  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 11:00  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-10

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit									
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>											
Method: SW8082A / SW3510											
Aroclor 1016	< 0.507	1.01			ug/L	0.215	0.507	09/30/20 18:15	B0I0905	CS2	1
Aroclor 1221	< 0.507	0.609			ug/L	0.194	0.507	09/30/20 18:15	B0I0905	CS2	1
Aroclor 1232	< 0.507	0.609			ug/L	0.164	0.507	09/30/20 18:15	B0I0905	CS2	1
Aroclor 1242	< 1.01	2.03			ug/L	0.356	1.01	09/30/20 18:15	B0I0905	CS2	1
Aroclor 1248	< 0.507	0.609			ug/L	0.162	0.507	09/30/20 18:15	B0I0905	CS2	1
Aroclor 1254	< 0.507	0.609			ug/L	0.178	0.507	09/30/20 18:15	B0I0905	CS2	1
Aroclor 1260	< 0.304	0.406			ug/L	0.114	0.304	09/30/20 18:15	B0I0905	CS2	1
Total PCB	< 0.507	0.609			ug/L	0.194	0.507	09/30/20 18:15	B0I0905	CS2	1
<hr/>											
Surrogate: Decachlorobiphenyl			S			Recovery: 229%	Limits: 10-139	09/30/20 18:15	B0I0905	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene						Recovery: 73%	Limits: 26-107	09/30/20 18:15	B0I0905	CS2	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-3 DUP  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 11:00  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-11

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Limit								
<b>Wet Chemistry</b>											
Method: SW9060											
Organic Carbon, Total	3.82	1.00			mg/L	0.400	0.800	10/06/20 20:36	B0J0227	TB2	1
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>											
Method: SW8082A / SW3510											
Aroclor 1016	< 0.508	1.02			ug/L	0.215	0.508	09/30/20 18:15	B0I0902	CS2	1
Aroclor 1221	< 0.508	0.609			ug/L	0.194	0.508	09/30/20 18:15	B0I0902	CS2	1
Aroclor 1232	< 0.508	0.609			ug/L	0.165	0.508	09/30/20 18:15	B0I0902	CS2	1
Aroclor 1242	< 1.02	2.03			ug/L	0.356	1.02	09/30/20 18:15	B0I0902	CS2	1
Aroclor 1248	< 0.508	0.609			ug/L	0.162	0.508	09/30/20 18:15	B0I0902	CS2	1
Aroclor 1254	< 0.508	0.609			ug/L	0.178	0.508	09/30/20 18:15	B0I0902	CS2	1
Aroclor 1260	< 0.305	0.406			ug/L	0.114	0.305	09/30/20 18:15	B0I0902	CS2	1
Total PCB	< 0.508	0.609			ug/L	0.194	0.508	09/30/20 18:15	B0I0902	CS2	1
Surrogate: Decachlorobiphenyl					Recovery: 75%	Limits: 10-139		09/30/20 18:15	B0I0902	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene					Recovery: 55%	Limits: 26-107		09/30/20 18:15	B0I0902	CS2	1
<b>Volatile Organic Compounds by GC/MS</b>											
Method: SW8260B / SW5030											
1,1,1,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.706	2.00	09/29/20 18:23	B0I0944	WZZ	1
1,1,1-Trichloroethane	< 2.00	4.00			ug/L	0.719	2.00	09/29/20 18:23	B0I0944	WZZ	1
1,1,2,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.713	2.00	09/29/20 18:23	B0I0944	WZZ	1
1,1,2-Trichloroethane	< 0.600	2.00			ug/L	0.198	0.600	09/29/20 18:23	B0I0944	WZZ	1
1,1-Dichloroethane	< 2.00	4.00			ug/L	0.691	2.00	09/29/20 18:23	B0I0944	WZZ	1
1,1-Dichloroethene	< 4.00	8.00			ug/L	1.10	4.00	09/29/20 18:23	B0I0944	WZZ	1
1,1-Dichloropropene	< 1.00	2.00			ug/L	0.462	1.00	09/29/20 18:23	B0I0944	WZZ	1
1,2,3-Trichlorobenzene	< 0.600	2.00			ug/L	0.199	0.600	09/29/20 18:23	B0I0944	WZZ	1
1,2,3-Trichloropropane	< 2.00	4.00			ug/L	0.598	2.00	09/29/20 18:23	B0I0944	WZZ	1
1,2,4-Trimethylbenzene	< 2.00	4.00			ug/L	0.753	2.00	09/29/20 18:23	B0I0944	WZZ	1
1,2-Dibromo-3-chloropropane	< 4.00	8.00			ug/L	1.22	4.00	09/29/20 18:23	B0I0944	WZZ	1
1,2-Dibromoethane	< 1.00	2.00			ug/L	0.420	1.00	09/29/20 18:23	B0I0944	WZZ	1
1,2-Dichloroethane	< 2.00	4.00			ug/L	0.731	2.00	09/29/20 18:23	B0I0944	WZZ	1
1,2-Dichloropropane	< 2.00	4.00			ug/L	0.557	2.00	09/29/20 18:23	B0I0944	WZZ	1
1,3,5-Trimethylbenzene	< 1.00	2.00			ug/L	0.351	1.00	09/29/20 18:23	B0I0944	WZZ	1
1,3-Dichloropropane	< 1.00	2.00			ug/L	0.345	1.00	09/29/20 18:23	B0I0944	WZZ	1
2,2-Dichloropropane	< 4.00	8.00			ug/L	1.03	4.00	09/29/20 18:23	B0I0944	WZZ	1
2-Butanone	< 14.0	28.0			ug/L	4.79	14.0	09/29/20 18:23	B0I0944	WZZ	1
2-Chlorotoluene	< 1.00	2.00			ug/L	0.384	1.00	09/29/20 18:23	B0I0944	WZZ	1
2-Hexanone	< 14.0	28.0			ug/L	4.74	14.0	09/29/20 18:23	B0I0944	WZZ	1
4-Isopropyltoluene	< 2.00	4.00			ug/L	0.930	2.00	09/29/20 18:23	B0I0944	WZZ	1
4-Methyl-2-pentanone	< 14.0	28.0			ug/L	4.40	14.0	09/29/20 18:23	B0I0944	WZZ	1
Acetone	< 28.0	70.0	Q, S1		ug/L	9.21	28.0	09/29/20 18:23	B0I0944	WZZ	1
Benzene	< 1.00	2.00			ug/L	0.362	1.00	09/29/20 18:23	B0I0944	WZZ	1
Bromobenzene	< 1.00	2.00			ug/L	0.354	1.00	09/29/20 18:23	B0I0944	WZZ	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-3 DUP  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 11:00  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-11 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Volatile Organic Compounds by GC/MS (Continued)</b>										
Method: SW8260B / SW5030 (Continued)										
Bromochloromethane	< 2.00	4.00		ug/L	0.861	2.00	09/29/20 18:23	B0I0944	WZZ	1
Bromodichloromethane	< 1.00	2.00		ug/L	0.458	1.00	09/29/20 18:23	B0I0944	WZZ	1
Bromoform	< 2.00	4.00		ug/L	0.570	2.00	09/29/20 18:23	B0I0944	WZZ	1
Bromomethane	< 4.00	8.00		ug/L	1.61	4.00	09/29/20 18:23	B0I0944	WZZ	1
Carbon disulfide	< 2.00	4.00		ug/L	0.739	2.00	09/29/20 18:23	B0I0944	WZZ	1
Carbon tetrachloride	< 2.00	4.00		ug/L	0.710	2.00	09/29/20 18:23	B0I0944	WZZ	1
Chlorobenzene	< 0.600	2.00		ug/L	0.170	0.600	09/29/20 18:23	B0I0944	WZZ	1
Chloroethane	< 2.00	4.00		ug/L	0.621	2.00	09/29/20 18:23	B0I0944	WZZ	1
Chloroform	< 4.00	8.00		ug/L	1.06	4.00	09/29/20 18:23	B0I0944	WZZ	1
Chloromethane	< 4.00	8.00		ug/L	1.30	4.00	09/29/20 18:23	B0I0944	WZZ	1
cis-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.652	2.00	09/29/20 18:23	B0I0944	WZZ	1
cis-1,3-Dichloropropene	< 2.00	4.00		ug/L	0.408	2.00	09/29/20 18:23	B0I0944	WZZ	1
Cyclohexane	< 1.00	2.00		ug/L	0.325	1.00	09/29/20 18:23	B0I0944	WZZ	1
Dibromochloromethane	< 2.00	4.00		ug/L	0.632	2.00	09/29/20 18:23	B0I0944	WZZ	1
Dibromomethane	< 1.00	2.00		ug/L	0.390	1.00	09/29/20 18:23	B0I0944	WZZ	1
Dichlorodifluoromethane	< 0.600	2.00		ug/L	0.186	0.600	09/29/20 18:23	B0I0944	WZZ	1
Ethylbenzene	< 1.00	2.00		ug/L	0.268	1.00	09/29/20 18:23	B0I0944	WZZ	1
Isopropylbenzene	< 1.00	2.00		ug/L	0.312	1.00	09/29/20 18:23	B0I0944	WZZ	1
m,p-Xylene	< 4.00	8.00		ug/L	1.58	4.00	09/29/20 18:23	B0I0944	WZZ	1
Methyl tert-butyl ether	< 2.00	4.00		ug/L	0.838	2.00	09/29/20 18:23	B0I0944	WZZ	1
Methylene chloride	< 4.00	8.00		ug/L	1.02	4.00	09/29/20 18:23	B0I0944	WZZ	1
n-Butylbenzene	< 1.00	2.00		ug/L	0.295	1.00	09/29/20 18:23	B0I0944	WZZ	1
n-Propylbenzene	< 1.00	2.00		ug/L	0.289	1.00	09/29/20 18:23	B0I0944	WZZ	1
o-Xylene	< 1.00	2.00		ug/L	0.324	1.00	09/29/20 18:23	B0I0944	WZZ	1
sec-Butylbenzene	< 0.600	2.00		ug/L	0.223	0.600	09/29/20 18:23	B0I0944	WZZ	1
Styrene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 18:23	B0I0944	WZZ	1
tert-Butylbenzene	< 2.00	4.00		ug/L	0.800	2.00	09/29/20 18:23	B0I0944	WZZ	1
Tetrachloroethene	< 2.00	4.00		ug/L	0.646	2.00	09/29/20 18:23	B0I0944	WZZ	1
Toluene	< 2.00	4.00		ug/L	0.510	2.00	09/29/20 18:23	B0I0944	WZZ	1
trans-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.566	2.00	09/29/20 18:23	B0I0944	WZZ	1
trans-1,3-Dichloropropene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 18:23	B0I0944	WZZ	1
Trichloroethene	< 2.00	4.00		ug/L	0.939	2.00	09/29/20 18:23	B0I0944	WZZ	1
Trichlorofluoromethane	< 2.00	4.00		ug/L	0.503	2.00	09/29/20 18:23	B0I0944	WZZ	1
Vinyl chloride	< 2.00	4.00		ug/L	0.582	2.00	09/29/20 18:23	B0I0944	WZZ	1
Xylenes, Total	< 6.00	12.0		ug/L	1.62	6.00	09/29/20 18:23	B0I0944	WZZ	1
Surrogate: Dibromofluoromethane				Recovery: 102%	Limits: 84-137		09/29/20 18:23	B0I0944	WZZ	1
Surrogate: 1,2-Dichloroethane-d4				Recovery: 104%	Limits: 74-140		09/29/20 18:23	B0I0944	WZZ	1
Surrogate: Fluorobenzene				Recovery: 100%	Limits: 90-105		09/29/20 18:23	B0I0944	WZZ	1
Surrogate: Toluene-d8				Recovery: 100%	Limits: 74-109		09/29/20 18:23	B0I0944	WZZ	1
Surrogate: 4-Bromofluorobenzene				Recovery: 99%	Limits: 86-128		09/29/20 18:23	B0I0944	WZZ	1
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 103%	Limits: 90-128		09/29/20 18:23	B0I0944	WZZ	1



**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-3 DUP  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 11:00  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-11 (Continued)

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit									
<b>Semivolatile Organic Compounds by GC/MS</b>											
Method: SW8270D / SW3510											
1,2,4-Trichlorobenzene	< 1.04	2.08			ug/L	0.291	1.04	09/30/20 09:31	B0I0881	CP1	1
1,2-Dichlorobenzene	< 1.04	2.08			ug/L	0.312	1.04	09/30/20 09:31	B0I0881	CP1	1
1,3-Dichlorobenzene	< 1.04	2.08			ug/L	0.323	1.04	09/30/20 09:31	B0I0881	CP1	1
1,4-Dichlorobenzene	< 1.04	2.08			ug/L	0.291	1.04	09/30/20 09:31	B0I0881	CP1	1
2,4,5-Trichlorophenol	< 0.521	1.04			ug/L	0.135	0.521	09/30/20 09:31	B0I0881	CP1	1
2,4,6-Trichlorophenol	< 0.521	1.04			ug/L	0.254	0.521	09/30/20 09:31	B0I0881	CP1	1
2,4-Dichlorophenol	< 0.521	1.04			ug/L	0.0820	0.521	09/30/20 09:31	B0I0881	CP1	1
2,4-Dimethylphenol	< 1.04	2.08			ug/L	0.122	1.04	09/30/20 09:31	B0I0881	CP1	1
2,4-Dinitrophenol	< 10.4	31.2			ug/L	3.45	10.4	09/30/20 09:31	B0I0881	CP1	1
2,4-Dinitrotoluene	< 1.04	2.08			ug/L	0.262	1.04	09/30/20 09:31	B0I0881	CP1	1
2,6-Dinitrotoluene	< 0.521	1.04			ug/L	0.239	0.521	09/30/20 09:31	B0I0881	CP1	1
2-Chloronaphthalene	< 0.312	0.625			ug/L	0.110	0.312	09/30/20 09:31	B0I0881	CP1	1
2-Chlorophenol	< 0.521	1.04			ug/L	0.160	0.521	09/30/20 09:31	B0I0881	CP1	1
2-Methylnaphthalene	< 2.08	4.16			ug/L	0.666	2.08	09/30/20 09:31	B0I0881	CP1	1
2-Methylphenol	< 0.521	1.04			ug/L	0.190	0.521	09/30/20 09:31	B0I0881	CP1	1
2-Nitroaniline	< 10.4	31.2			ug/L	2.67	10.4	09/30/20 09:31	B0I0881	CP1	1
2-Nitrophenol	< 0.521	1.04			ug/L	0.218	0.521	09/30/20 09:31	B0I0881	CP1	1
3,3'-Dichlorobenzidine	< 10.4	20.8			ug/L	3.29	10.4	09/30/20 09:31	B0I0881	CP1	1
3 & 4-Methylphenol	< 0.521	1.04			ug/L	0.186	0.521	09/30/20 09:31	B0I0881	CP1	1
3-Nitroaniline	< 1.04	2.08			ug/L	0.375	1.04	09/30/20 09:31	B0I0881	CP1	1
4,6-Dinitro-2-methylphenol	< 5.21	15.6			ug/L	2.55	5.21	09/30/20 09:31	B0I0881	CP1	1
4-Bromophenyl-phenylether	< 0.521	1.04			ug/L	0.167	0.521	09/30/20 09:31	B0I0881	CP1	1
4-Chloro-3-methylphenol	< 0.208	0.521			ug/L	0.0742	0.208	09/30/20 09:31	B0I0881	CP1	1
4-Chloroaniline	< 0.312	0.625			ug/L	0.111	0.312	09/30/20 09:31	B0I0881	CP1	1
4-Chlorophenyl-phenylether	< 0.521	1.04			ug/L	0.152	0.521	09/30/20 09:31	B0I0881	CP1	1
4-Nitroaniline	< 10.4	31.2			ug/L	3.93	10.4	09/30/20 09:31	B0I0881	CP1	1
4-Nitrophenol	< 5.21	15.6			ug/L	1.50	5.21	09/30/20 09:31	B0I0881	CP1	1
Acenaphthene	< 0.312	0.625			ug/L	0.108	0.312	09/30/20 09:31	B0I0881	CP1	1
Acenaphthylene	< 0.312	0.625			ug/L	0.135	0.312	09/30/20 09:31	B0I0881	CP1	1
Anthracene	< 0.312	0.625			ug/L	0.116	0.312	09/30/20 09:31	B0I0881	CP1	1
Azobenzene as 1,2-Diphenylhydrazine	< 0.312	1.04			ug/L	0.0798	0.312	09/30/20 09:31	B0I0881	CP1	1
Benzidine	< 41.6	83.3			ug/L	17.2	41.6	09/30/20 09:31	B0I0881	CP1	1
Benzo(a)anthracene	< 0.312	0.625			ug/L	0.128	0.312	09/30/20 09:31	B0I0881	CP1	1
Benzo(a)pyrene	< 1.04	2.08			ug/L	0.391	1.04	09/30/20 09:31	B0I0881	CP1	1
Benzo(b)fluoranthene	< 1.04	2.08			ug/L	0.388	1.04	09/30/20 09:31	B0I0881	CP1	1
Benzo(g,h,i)perylene	< 1.04	2.08			ug/L	0.416	1.04	09/30/20 09:31	B0I0881	CP1	1
Benzo(k)fluoranthene	< 0.521	2.08			ug/L	0.259	0.521	09/30/20 09:31	B0I0881	CP1	1
Benzoic acid	< 25.0	41.6			ug/L	12.2	25.0	09/30/20 09:31	B0I0881	CP1	1
Benzyl alcohol	< 2.08	4.16			ug/L	0.573	2.08	09/30/20 09:31	B0I0881	CP1	1
Bis(2-chloroethoxy)methane	< 0.521	1.04			ug/L	0.141	0.521	09/30/20 09:31	B0I0881	CP1	1
Bis(2-chloroethyl)ether	< 0.521	1.04			ug/L	0.183	0.521	09/30/20 09:31	B0I0881	CP1	1
Bis(2-chloroisopropyl)ether	< 0.521	1.04			ug/L	0.134	0.521	09/30/20 09:31	B0I0881	CP1	1
Bis(2-ethylhexyl)phthalate	< 10.4	20.8			ug/L	3.78	10.4	09/30/20 09:31	B0I0881	CP1	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-3 DUP  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 11:00  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-11 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Semivolatile Organic Compounds by GC/MS (Continued)</b>										
Method: SW8270D / SW3510 (Continued)										
Butyl benzyl phthalate	< 0.521	1.04		ug/L	0.244	0.521	09/30/20 09:31	B0I0881	CP1	1
Carbazole	< 0.521	1.04		ug/L	0.180	0.521	09/30/20 09:31	B0I0881	CP1	1
Chrysene	< 0.312	0.625		ug/L	0.132	0.312	09/30/20 09:31	B0I0881	CP1	1
Dibenzo(a,h)anthracene	< 1.04	2.08		ug/L	0.460	1.04	09/30/20 09:31	B0I0881	CP1	1
Dibenzofuran	< 0.312	0.625		ug/L	0.128	0.312	09/30/20 09:31	B0I0881	CP1	1
Diethyl phthalate	< 3.12	6.25		ug/L	1.21	3.12	09/30/20 09:31	B0I0881	CP1	1
Dimethyl phthalate	< 0.312	0.625		ug/L	0.0919	0.312	09/30/20 09:31	B0I0881	CP1	1
Di-n-butyl phthalate	< 6.25	10.4		ug/L	3.00	6.25	09/30/20 09:31	B0I0881	CP1	1
Di-n-octyl phthalate	< 5.21	10.4		ug/L	1.97	5.21	09/30/20 09:31	B0I0881	CP1	1
Fluoranthene	< 0.521	1.04		ug/L	0.204	0.521	09/30/20 09:31	B0I0881	CP1	1
Fluorene	< 0.312	0.625		ug/L	0.129	0.312	09/30/20 09:31	B0I0881	CP1	1
Hexachlorobenzene	< 0.521	1.04		ug/L	0.172	0.521	09/30/20 09:31	B0I0881	CP1	1
Hexachlorobutadiene	< 0.521	1.04		ug/L	0.260	0.521	09/30/20 09:31	B0I0881	CP1	1
Hexachlorocyclopentadiene	< 5.21	15.6		ug/L	2.28	5.21	09/30/20 09:31	B0I0881	CP1	1
Hexachloroethane	< 0.521	1.04		ug/L	0.229	0.521	09/30/20 09:31	B0I0881	CP1	1
Indeno(1,2,3-cd)pyrene	< 1.04	2.08		ug/L	0.523	1.04	09/30/20 09:31	B0I0881	CP1	1
Isophorone	< 0.312	0.625		ug/L	0.115	0.312	09/30/20 09:31	B0I0881	CP1	1
Naphthalene	< 2.08	4.16		ug/L	0.849	2.08	09/30/20 09:31	B0I0881	CP1	1
Nitrobenzene	< 0.312	0.625		ug/L	0.145	0.312	09/30/20 09:31	B0I0881	CP1	1
N-Nitrosodimethylamine	< 0.521	1.04		ug/L	0.162	0.521	09/30/20 09:31	B0I0881	CP1	1
N-Nitrosodi-n-propylamine	< 1.04	2.08		ug/L	0.332	1.04	09/30/20 09:31	B0I0881	CP1	1
N-Nitrosodiphenylamine	< 0.312	0.625		ug/L	0.108	0.312	09/30/20 09:31	B0I0881	CP1	1
Pentachlorophenol	< 10.4	31.2		ug/L	2.62	10.4	09/30/20 09:31	B0I0881	CP1	1
Phenanthrene	< 0.521	1.04		ug/L	0.214	0.521	09/30/20 09:31	B0I0881	CP1	1
Phenol	< 0.521	1.04		ug/L	0.178	0.521	09/30/20 09:31	B0I0881	CP1	1
Pyrene	< 0.521	1.04		ug/L	0.217	0.521	09/30/20 09:31	B0I0881	CP1	1
<i>Surrogate: 2-Fluorophenol</i>				<i>Recovery: 39%</i>	<i>Limits: 10-88</i>		<i>09/30/20 09:31</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: Phenol-d5</i>				<i>Recovery: 33%</i>	<i>Limits: 10-65</i>		<i>09/30/20 09:31</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: Nitrobenzene-d5</i>				<i>Recovery: 67%</i>	<i>Limits: 25-128</i>		<i>09/30/20 09:31</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: 2-Fluorobiphenyl</i>				<i>Recovery: 63%</i>	<i>Limits: 24-114</i>		<i>09/30/20 09:31</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: 2,4,6-Tribromophenol</i>				<i>Recovery: 74%</i>	<i>Limits: 15-119</i>		<i>09/30/20 09:31</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: 4-Terphenyl-d14</i>				<i>Recovery: 93%</i>	<i>Limits: 29-129</i>		<i>09/30/20 09:31</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>

**Subcontracted Analyses**

Method: SW8260-SIM Modified / SW5030

1,4-Dioxane	< 0.200	0.500		ug/L	0.0625	0.200	10/02/20 13:17	B0J0077	CP1	1
<i>Surrogate: Toluene-d8</i>				<i>Recovery: 103%</i>	<i>Limits: 80-120</i>		<i>10/02/20 13:17</i>	<i>B0J0077</i>	<i>CP1</i>	<i>1</i>

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-3 DUP  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 11:00  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-12

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>										
Method: SW8082A / SW3510										
Aroclor 1016	< 0.507	1.01		ug/L	0.215	0.507	09/30/20 18:32	B0I0905	CS2	1
Aroclor 1221	< 0.507	0.608		ug/L	0.194	0.507	09/30/20 18:32	B0I0905	CS2	1
Aroclor 1232	< 0.507	0.608		ug/L	0.164	0.507	09/30/20 18:32	B0I0905	CS2	1
Aroclor 1242	< 1.01	2.03		ug/L	0.355	1.01	09/30/20 18:32	B0I0905	CS2	1
Aroclor 1248	< 0.507	0.608		ug/L	0.162	0.507	09/30/20 18:32	B0I0905	CS2	1
Aroclor 1254	< 0.507	0.608		ug/L	0.178	0.507	09/30/20 18:32	B0I0905	CS2	1
Aroclor 1260	< 0.304	0.405		ug/L	0.114	0.304	09/30/20 18:32	B0I0905	CS2	1
Total PCB	< 0.507	0.608		ug/L	0.194	0.507	09/30/20 18:32	B0I0905	CS2	1
<i>Surrogate: Decachlorobiphenyl</i>				<i>Recovery: 81%</i>	<i>Limits: 10-139</i>		<i>09/30/20 18:32</i>	<i>B0I0905</i>	<i>CS2</i>	<i>1</i>
<i>Surrogate: 2,4,5,6-Tetrachloro-m-xylene</i>				<i>Recovery: 66%</i>	<i>Limits: 26-107</i>		<i>09/30/20 18:32</i>	<i>B0I0905</i>	<i>CS2</i>	<i>1</i>



**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-4  
**Report Date:** 10/07/2020  
**Collection Date:** 09/24/2020 09:55  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-13

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Wet Chemistry</b>										
Method: SW9060										
Organic Carbon, Total	10.8	5.00		mg/L	2.00	4.00	10/06/20 20:55	B0J0227	TB2	5
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>										
Method: SW8082A / SW3510										
Aroclor 1016	< 0.535	1.07		ug/L	0.227	0.535	10/01/20 16:56	B0I0902	CS2	1
Aroclor 1221	< 0.535	0.643		ug/L	0.205	0.535	10/01/20 16:56	B0I0902	CS2	1
Aroclor 1232	< 0.535	0.643		ug/L	0.174	0.535	10/01/20 16:56	B0I0902	CS2	1
Aroclor 1242	< 1.07	2.14		ug/L	0.375	1.07	10/01/20 16:56	B0I0902	CS2	1
Aroclor 1248	< 0.535	0.643		ug/L	0.171	0.535	10/01/20 16:56	B0I0902	CS2	1
Aroclor 1254	< 0.535	0.643		ug/L	0.188	0.535	10/01/20 16:56	B0I0902	CS2	1
Aroclor 1260	< 0.321	0.428		ug/L	0.120	0.321	10/01/20 16:56	B0I0902	CS2	1
Total PCB	< 0.535	0.643		ug/L	0.205	0.535	10/01/20 16:56	B0I0902	CS2	1
Surrogate: Decachlorobiphenyl				Recovery: 78%	Limits: 10-139		10/01/20 16:56	B0I0902	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene				Recovery: 61%	Limits: 26-107		10/01/20 16:56	B0I0902	CS2	1
<b>Volatile Organic Compounds by GC/MS</b>										
Method: SW8260B / SW5030										
1,1,1,2-Tetrachloroethane	< 2.00	4.00		ug/L	0.706	2.00	09/29/20 18:49	B0I0944	WZZ	1
<b>1,1,1-Trichloroethane</b>	<b>17.3</b>	4.00		ug/L	0.719	2.00	09/29/20 18:49	B0I0944	WZZ	1
1,1,2,2-Tetrachloroethane	< 2.00	4.00		ug/L	0.713	2.00	09/29/20 18:49	B0I0944	WZZ	1
1,1,2-Trichloroethane	< 0.600	2.00		ug/L	0.198	0.600	09/29/20 18:49	B0I0944	WZZ	1
<b>1,1-Dichloroethane</b>	<b>7.21</b>	4.00		ug/L	0.691	2.00	09/29/20 18:49	B0I0944	WZZ	1
1,1-Dichloroethene	< 4.00	8.00		ug/L	1.10	4.00	09/29/20 18:49	B0I0944	WZZ	1
1,1-Dichloropropene	< 1.00	2.00		ug/L	0.462	1.00	09/29/20 18:49	B0I0944	WZZ	1
1,2,3-Trichlorobenzene	< 0.600	2.00		ug/L	0.199	0.600	09/29/20 18:49	B0I0944	WZZ	1
1,2,3-Trichloropropane	< 2.00	4.00		ug/L	0.598	2.00	09/29/20 18:49	B0I0944	WZZ	1
1,2,4-Trimethylbenzene	< 2.00	4.00		ug/L	0.753	2.00	09/29/20 18:49	B0I0944	WZZ	1
1,2-Dibromo-3-chloropropane	< 4.00	8.00		ug/L	1.22	4.00	09/29/20 18:49	B0I0944	WZZ	1
1,2-Dibromoethane	< 1.00	2.00		ug/L	0.420	1.00	09/29/20 18:49	B0I0944	WZZ	1
1,2-Dichloroethane	< 2.00	4.00		ug/L	0.731	2.00	09/29/20 18:49	B0I0944	WZZ	1
1,2-Dichloropropane	< 2.00	4.00		ug/L	0.557	2.00	09/29/20 18:49	B0I0944	WZZ	1
1,3,5-Trimethylbenzene	< 1.00	2.00		ug/L	0.351	1.00	09/29/20 18:49	B0I0944	WZZ	1
1,3-Dichloropropane	< 1.00	2.00		ug/L	0.345	1.00	09/29/20 18:49	B0I0944	WZZ	1
2,2-Dichloropropane	< 4.00	8.00		ug/L	1.03	4.00	09/29/20 18:49	B0I0944	WZZ	1
2-Butanone	< 14.0	28.0		ug/L	4.79	14.0	09/29/20 18:49	B0I0944	WZZ	1
2-Chlorotoluene	< 1.00	2.00		ug/L	0.384	1.00	09/29/20 18:49	B0I0944	WZZ	1
2-Hexanone	< 14.0	28.0		ug/L	4.74	14.0	09/29/20 18:49	B0I0944	WZZ	1
4-Isopropyltoluene	< 2.00	4.00		ug/L	0.930	2.00	09/29/20 18:49	B0I0944	WZZ	1
4-Methyl-2-pentanone	< 14.0	28.0		ug/L	4.40	14.0	09/29/20 18:49	B0I0944	WZZ	1
Acetone	< 28.0	70.0	Q, S1	ug/L	9.21	28.0	09/29/20 18:49	B0I0944	WZZ	1
Benzene	< 1.00	2.00		ug/L	0.362	1.00	09/29/20 18:49	B0I0944	WZZ	1
Bromobenzene	< 1.00	2.00		ug/L	0.354	1.00	09/29/20 18:49	B0I0944	WZZ	1
Bromochloromethane	< 2.00	4.00		ug/L	0.861	2.00	09/29/20 18:49	B0I0944	WZZ	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-4  
**Report Date:** 10/07/2020  
**Collection Date:** 09/24/2020 09:55  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-13 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Volatile Organic Compounds by GC/MS (Continued)</b>										
Method: SW8260B / SW5030 (Continued)										
Bromodichloromethane	< 1.00	2.00		ug/L	0.458	1.00	09/29/20 18:49	B0I0944	WZZ	1
Bromoform	< 2.00	4.00		ug/L	0.570	2.00	09/29/20 18:49	B0I0944	WZZ	1
Bromomethane	< 4.00	8.00		ug/L	1.61	4.00	09/29/20 18:49	B0I0944	WZZ	1
Carbon disulfide	< 2.00	4.00		ug/L	0.739	2.00	09/29/20 18:49	B0I0944	WZZ	1
Carbon tetrachloride	< 2.00	4.00		ug/L	0.710	2.00	09/29/20 18:49	B0I0944	WZZ	1
Chlorobenzene	< 0.600	2.00		ug/L	0.170	0.600	09/29/20 18:49	B0I0944	WZZ	1
Chloroethane	< 2.00	4.00		ug/L	0.621	2.00	09/29/20 18:49	B0I0944	WZZ	1
Chloroform	< 4.00	8.00		ug/L	1.06	4.00	09/29/20 18:49	B0I0944	WZZ	1
Chloromethane	< 4.00	8.00		ug/L	1.30	4.00	09/29/20 18:49	B0I0944	WZZ	1
<b>cis-1,2-Dichloroethene</b>	<b>27.8</b>	4.00		ug/L	0.652	2.00	09/29/20 18:49	B0I0944	WZZ	1
cis-1,3-Dichloropropene	< 2.00	4.00		ug/L	0.408	2.00	09/29/20 18:49	B0I0944	WZZ	1
Cyclohexane	< 1.00	2.00		ug/L	0.325	1.00	09/29/20 18:49	B0I0944	WZZ	1
Dibromochloromethane	< 2.00	4.00		ug/L	0.632	2.00	09/29/20 18:49	B0I0944	WZZ	1
Dibromomethane	< 1.00	2.00		ug/L	0.390	1.00	09/29/20 18:49	B0I0944	WZZ	1
Dichlorodifluoromethane	< 0.600	2.00		ug/L	0.186	0.600	09/29/20 18:49	B0I0944	WZZ	1
Ethylbenzene	< 1.00	2.00		ug/L	0.268	1.00	09/29/20 18:49	B0I0944	WZZ	1
Isopropylbenzene	< 1.00	2.00		ug/L	0.312	1.00	09/29/20 18:49	B0I0944	WZZ	1
m,p-Xylene	< 4.00	8.00		ug/L	1.58	4.00	09/29/20 18:49	B0I0944	WZZ	1
Methyl tert-butyl ether	< 2.00	4.00		ug/L	0.838	2.00	09/29/20 18:49	B0I0944	WZZ	1
Methylene chloride	< 4.00	8.00		ug/L	1.02	4.00	09/29/20 18:49	B0I0944	WZZ	1
n-Butylbenzene	< 1.00	2.00		ug/L	0.295	1.00	09/29/20 18:49	B0I0944	WZZ	1
n-Propylbenzene	< 1.00	2.00		ug/L	0.289	1.00	09/29/20 18:49	B0I0944	WZZ	1
o-Xylene	< 1.00	2.00		ug/L	0.324	1.00	09/29/20 18:49	B0I0944	WZZ	1
sec-Butylbenzene	< 0.600	2.00		ug/L	0.223	0.600	09/29/20 18:49	B0I0944	WZZ	1
Styrene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 18:49	B0I0944	WZZ	1
tert-Butylbenzene	< 2.00	4.00		ug/L	0.800	2.00	09/29/20 18:49	B0I0944	WZZ	1
Tetrachloroethene	< 2.00	4.00		ug/L	0.646	2.00	09/29/20 18:49	B0I0944	WZZ	1
Toluene	< 2.00	4.00		ug/L	0.510	2.00	09/29/20 18:49	B0I0944	WZZ	1
trans-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.566	2.00	09/29/20 18:49	B0I0944	WZZ	1
trans-1,3-Dichloropropene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 18:49	B0I0944	WZZ	1
<b>Trichloroethene</b>	<b>10.6</b>	4.00		ug/L	0.939	2.00	09/29/20 18:49	B0I0944	WZZ	1
Trichlorofluoromethane	< 2.00	4.00		ug/L	0.503	2.00	09/29/20 18:49	B0I0944	WZZ	1
<b>Vinyl chloride</b>	<b>4.31</b>	4.00		ug/L	0.582	2.00	09/29/20 18:49	B0I0944	WZZ	1
Xylenes, Total	< 6.00	12.0		ug/L	1.62	6.00	09/29/20 18:49	B0I0944	WZZ	1
<i>Surrogate: Dibromofluoromethane</i>				<i>Recovery: 97%</i>	<i>Limits: 84-137</i>		<i>09/29/20 18:49</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>				<i>Recovery: 101%</i>	<i>Limits: 74-140</i>		<i>09/29/20 18:49</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Fluorobenzene</i>				<i>Recovery: 98%</i>	<i>Limits: 90-105</i>		<i>09/29/20 18:49</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Toluene-d8</i>				<i>Recovery: 101%</i>	<i>Limits: 74-109</i>		<i>09/29/20 18:49</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 4-Bromofluorobenzene</i>				<i>Recovery: 105%</i>	<i>Limits: 86-128</i>		<i>09/29/20 18:49</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>				<i>Recovery: 106%</i>	<i>Limits: 90-128</i>		<i>09/29/20 18:49</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-4  
**Report Date:** 10/07/2020  
**Collection Date:** 09/24/2020 09:55  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-13 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Semivolatile Organic Compounds by GC/MS</b>										
Method: SW8270D / SW3510										
1,2,4-Trichlorobenzene	< 1.07	2.14		ug/L	0.300	1.07	09/30/20 09:52	B0I0881	CP1	1
1,2-Dichlorobenzene	< 1.07	2.14		ug/L	0.321	1.07	09/30/20 09:52	B0I0881	CP1	1
1,3-Dichlorobenzene	< 1.07	2.14		ug/L	0.332	1.07	09/30/20 09:52	B0I0881	CP1	1
1,4-Dichlorobenzene	< 1.07	2.14		ug/L	0.300	1.07	09/30/20 09:52	B0I0881	CP1	1
2,4,5-Trichlorophenol	< 0.535	1.07		ug/L	0.139	0.535	09/30/20 09:52	B0I0881	CP1	1
2,4,6-Trichlorophenol	< 0.535	1.07		ug/L	0.261	0.535	09/30/20 09:52	B0I0881	CP1	1
2,4-Dichlorophenol	< 0.535	1.07		ug/L	0.0844	0.535	09/30/20 09:52	B0I0881	CP1	1
2,4-Dimethylphenol	< 1.07	2.14		ug/L	0.126	1.07	09/30/20 09:52	B0I0881	CP1	1
2,4-Dinitrophenol	< 10.7	32.1		ug/L	3.54	10.7	09/30/20 09:52	B0I0881	CP1	1
2,4-Dinitrotoluene	< 1.07	2.14		ug/L	0.270	1.07	09/30/20 09:52	B0I0881	CP1	1
2,6-Dinitrotoluene	< 0.535	1.07		ug/L	0.246	0.535	09/30/20 09:52	B0I0881	CP1	1
2-Chloronaphthalene	< 0.321	0.642		ug/L	0.113	0.321	09/30/20 09:52	B0I0881	CP1	1
2-Chlorophenol	< 0.535	1.07		ug/L	0.164	0.535	09/30/20 09:52	B0I0881	CP1	1
2-Methylnaphthalene	< 2.14	4.28		ug/L	0.685	2.14	09/30/20 09:52	B0I0881	CP1	1
2-Methylphenol	< 0.535	1.07		ug/L	0.196	0.535	09/30/20 09:52	B0I0881	CP1	1
2-Nitroaniline	< 10.7	32.1		ug/L	2.74	10.7	09/30/20 09:52	B0I0881	CP1	1
2-Nitrophenol	< 0.535	1.07		ug/L	0.224	0.535	09/30/20 09:52	B0I0881	CP1	1
3,3'-Dichlorobenzidine	< 10.7	21.4		ug/L	3.39	10.7	09/30/20 09:52	B0I0881	CP1	1
3 & 4-Methylphenol	< 0.535	1.07		ug/L	0.192	0.535	09/30/20 09:52	B0I0881	CP1	1
3-Nitroaniline	< 1.07	2.14		ug/L	0.385	1.07	09/30/20 09:52	B0I0881	CP1	1
4,6-Dinitro-2-methylphenol	< 5.35	16.1		ug/L	2.62	5.35	09/30/20 09:52	B0I0881	CP1	1
4-Bromophenyl-phenylether	< 0.535	1.07		ug/L	0.171	0.535	09/30/20 09:52	B0I0881	CP1	1
4-Chloro-3-methylphenol	< 0.214	0.535		ug/L	0.0763	0.214	09/30/20 09:52	B0I0881	CP1	1
4-Chloroaniline	< 0.321	0.642		ug/L	0.114	0.321	09/30/20 09:52	B0I0881	CP1	1
4-Chlorophenyl-phenylether	< 0.535	1.07		ug/L	0.156	0.535	09/30/20 09:52	B0I0881	CP1	1
4-Nitroaniline	< 10.7	32.1		ug/L	4.04	10.7	09/30/20 09:52	B0I0881	CP1	1
4-Nitrophenol	< 5.35	16.1		ug/L	1.54	5.35	09/30/20 09:52	B0I0881	CP1	1
Acenaphthene	< 0.321	0.642		ug/L	0.111	0.321	09/30/20 09:52	B0I0881	CP1	1
Acenaphthylene	< 0.321	0.642		ug/L	0.139	0.321	09/30/20 09:52	B0I0881	CP1	1
Anthracene	< 0.321	0.642		ug/L	0.119	0.321	09/30/20 09:52	B0I0881	CP1	1
Azobenzene as 1,2-Diphenylhydrazine	< 0.321	1.07		ug/L	0.0821	0.321	09/30/20 09:52	B0I0881	CP1	1
Benzidine	< 42.8	85.6		ug/L	17.7	42.8	09/30/20 09:52	B0I0881	CP1	1
Benzo(a)anthracene	< 0.321	0.642		ug/L	0.132	0.321	09/30/20 09:52	B0I0881	CP1	1
Benzo(a)pyrene	< 1.07	2.14		ug/L	0.402	1.07	09/30/20 09:52	B0I0881	CP1	1
Benzo(b)fluoranthene	< 1.07	2.14		ug/L	0.399	1.07	09/30/20 09:52	B0I0881	CP1	1
Benzo(g,h,i)perylene	< 1.07	2.14		ug/L	0.428	1.07	09/30/20 09:52	B0I0881	CP1	1
Benzo(k)fluoranthene	< 0.535	2.14		ug/L	0.266	0.535	09/30/20 09:52	B0I0881	CP1	1
Benzoic acid	< 25.7	42.8		ug/L	12.6	25.7	09/30/20 09:52	B0I0881	CP1	1
Benzyl alcohol	< 2.14	4.28		ug/L	0.589	2.14	09/30/20 09:52	B0I0881	CP1	1
Bis(2-chloroethoxy)methane	< 0.535	1.07		ug/L	0.145	0.535	09/30/20 09:52	B0I0881	CP1	1
Bis(2-chloroethyl)ether	< 0.535	1.07		ug/L	0.188	0.535	09/30/20 09:52	B0I0881	CP1	1
Bis(2-chloroisopropyl)ether	< 0.535	1.07		ug/L	0.137	0.535	09/30/20 09:52	B0I0881	CP1	1
Bis(2-ethylhexyl)phthalate	< 10.7	21.4		ug/L	3.89	10.7	09/30/20 09:52	B0I0881	CP1	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-4  
**Report Date:** 10/07/2020  
**Collection Date:** 09/24/2020 09:55  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-13 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Semivolatile Organic Compounds by GC/MS (Continued)</b>										
Method: SW8270D / SW3510 (Continued)										
Butyl benzyl phthalate	< 0.535	1.07		ug/L	0.251	0.535	09/30/20 09:52	B0I0881	CP1	1
Carbazole	< 0.535	1.07		ug/L	0.185	0.535	09/30/20 09:52	B0I0881	CP1	1
Chrysene	< 0.321	0.642		ug/L	0.136	0.321	09/30/20 09:52	B0I0881	CP1	1
Dibenzo(a,h)anthracene	< 1.07	2.14		ug/L	0.473	1.07	09/30/20 09:52	B0I0881	CP1	1
Dibenzofuran	< 0.321	0.642		ug/L	0.131	0.321	09/30/20 09:52	B0I0881	CP1	1
Diethyl phthalate	< 3.21	6.42		ug/L	1.25	3.21	09/30/20 09:52	B0I0881	CP1	1
Dimethyl phthalate	< 0.321	0.642		ug/L	0.0945	0.321	09/30/20 09:52	B0I0881	CP1	1
Di-n-butyl phthalate	< 6.42	10.7		ug/L	3.08	6.42	09/30/20 09:52	B0I0881	CP1	1
Di-n-octyl phthalate	< 5.35	10.7		ug/L	2.02	5.35	09/30/20 09:52	B0I0881	CP1	1
Fluoranthene	< 0.535	1.07		ug/L	0.210	0.535	09/30/20 09:52	B0I0881	CP1	1
Fluorene	< 0.321	0.642		ug/L	0.133	0.321	09/30/20 09:52	B0I0881	CP1	1
Hexachlorobenzene	< 0.535	1.07		ug/L	0.177	0.535	09/30/20 09:52	B0I0881	CP1	1
Hexachlorobutadiene	< 0.535	1.07		ug/L	0.268	0.535	09/30/20 09:52	B0I0881	CP1	1
Hexachlorocyclopentadiene	< 5.35	16.1		ug/L	2.34	5.35	09/30/20 09:52	B0I0881	CP1	1
Hexachloroethane	< 0.535	1.07		ug/L	0.236	0.535	09/30/20 09:52	B0I0881	CP1	1
Indeno(1,2,3-cd)pyrene	< 1.07	2.14		ug/L	0.538	1.07	09/30/20 09:52	B0I0881	CP1	1
Isophorone	< 0.321	0.642		ug/L	0.118	0.321	09/30/20 09:52	B0I0881	CP1	1
Naphthalene	< 2.14	4.28		ug/L	0.874	2.14	09/30/20 09:52	B0I0881	CP1	1
Nitrobenzene	< 0.321	0.642		ug/L	0.149	0.321	09/30/20 09:52	B0I0881	CP1	1
N-Nitrosodimethylamine	< 0.535	1.07		ug/L	0.167	0.535	09/30/20 09:52	B0I0881	CP1	1
N-Nitrosodi-n-propylamine	< 1.07	2.14		ug/L	0.341	1.07	09/30/20 09:52	B0I0881	CP1	1
N-Nitrosodiphenylamine	< 0.321	0.642		ug/L	0.111	0.321	09/30/20 09:52	B0I0881	CP1	1
Pentachlorophenol	< 10.7	32.1		ug/L	2.70	10.7	09/30/20 09:52	B0I0881	CP1	1
Phenanthrene	< 0.535	1.07		ug/L	0.221	0.535	09/30/20 09:52	B0I0881	CP1	1
Phenol	< 0.535	1.07		ug/L	0.183	0.535	09/30/20 09:52	B0I0881	CP1	1
Pyrene	< 0.535	1.07		ug/L	0.223	0.535	09/30/20 09:52	B0I0881	CP1	1
Surrogate: 2-Fluorophenol							09/30/20 09:52	B0I0881	CP1	1
Surrogate: Phenol-d5							09/30/20 09:52	B0I0881	CP1	1
Surrogate: Nitrobenzene-d5							09/30/20 09:52	B0I0881	CP1	1
Surrogate: 2-Fluorobiphenyl							09/30/20 09:52	B0I0881	CP1	1
Surrogate: 2,4,6-Tribromophenol							09/30/20 09:52	B0I0881	CP1	1
Surrogate: 4-Terphenyl-d14							09/30/20 09:52	B0I0881	CP1	1

**Subcontracted Analyses**

Method: SW8260-SIM Modified / SW5030

1,4-Dioxane	< 0.200	0.500		ug/L	0.0625	0.200	10/02/20 15:43	B0J0077	CP1	1
Surrogate: Toluene-d8							10/02/20 15:43	B0J0077	CP1	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-4  
**Report Date:** 10/07/2020  
**Collection Date:** 09/24/2020 09:55  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-14

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF	
		Limit	Limit									
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>												
Method: SW8082A / SW3510												
Aroclor 1016	< 0.532	1.06			ug/L	0.226	0.532	10/01/20 16:56	B0I0905	CS2	1	
Aroclor 1221	< 0.532	0.638			ug/L	0.204	0.532	10/01/20 16:56	B0I0905	CS2	1	
Aroclor 1232	< 0.532	0.638			ug/L	0.172	0.532	10/01/20 16:56	B0I0905	CS2	1	
Aroclor 1242	< 1.06	2.13			ug/L	0.373	1.06	10/01/20 16:56	B0I0905	CS2	1	
Aroclor 1248	< 0.532	0.638			ug/L	0.170	0.532	10/01/20 16:56	B0I0905	CS2	1	
Aroclor 1254	< 0.532	0.638			ug/L	0.187	0.532	10/01/20 16:56	B0I0905	CS2	1	
Aroclor 1260	< 0.319	0.425			ug/L	0.119	0.319	10/01/20 16:56	B0I0905	CS2	1	
Total PCB	< 0.532	0.638			ug/L	0.204	0.532	10/01/20 16:56	B0I0905	CS2	1	
<i>Surrogate: Decachlorobiphenyl</i>					Recovery: 97%		Limits: 10-139		10/01/20 16:56	B0I0905	CS2	1
<i>Surrogate: 2,4,5,6-Tetrachloro-m-xylene</i>					Recovery: 73%		Limits: 26-107		10/01/20 16:56	B0I0905	CS2	1



**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-6  
**Report Date:** 10/07/2020  
**Collection Date:** 09/25/2020 11:05  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-15

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Limit								
<b>Wet Chemistry</b>											
Method: SW9060											
Organic Carbon, Total	6.84	1.00			mg/L	0.400	0.800	10/06/20 23:39	B0J0227	TB2	1
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>											
Method: SW8082A / SW3510											
Aroclor 1016	< 0.568	1.14			ug/L	0.241	0.568	10/01/20 17:13	B0I0902	CS2	1
Aroclor 1221	< 0.568	0.682			ug/L	0.218	0.568	10/01/20 17:13	B0I0902	CS2	1
Aroclor 1232	< 0.568	0.682			ug/L	0.184	0.568	10/01/20 17:13	B0I0902	CS2	1
Aroclor 1242	< 1.14	2.27			ug/L	0.398	1.14	10/01/20 17:13	B0I0902	CS2	1
Aroclor 1248	< 0.568	0.682			ug/L	0.182	0.568	10/01/20 17:13	B0I0902	CS2	1
Aroclor 1254	< 0.568	0.682			ug/L	0.200	0.568	10/01/20 17:13	B0I0902	CS2	1
Aroclor 1260	< 0.341	0.455			ug/L	0.128	0.341	10/01/20 17:13	B0I0902	CS2	1
Total PCB	< 0.568	0.682			ug/L	0.218	0.568	10/01/20 17:13	B0I0902	CS2	1
Surrogate: Decachlorobiphenyl					Recovery: 77%	Limits: 10-139		10/01/20 17:13	B0I0902	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene					Recovery: 58%	Limits: 26-107		10/01/20 17:13	B0I0902	CS2	1
<b>Volatile Organic Compounds by GC/MS</b>											
Method: SW8260B / SW5030											
1,1,1,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.706	2.00	09/29/20 19:14	B0I0944	WZZ	1
1,1,1-Trichloroethane	< 2.00	4.00			ug/L	0.719	2.00	09/29/20 19:14	B0I0944	WZZ	1
1,1,2,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.713	2.00	09/29/20 19:14	B0I0944	WZZ	1
1,1,2-Trichloroethane	< 0.600	2.00			ug/L	0.198	0.600	09/29/20 19:14	B0I0944	WZZ	1
1,1-Dichloroethane	< 2.00	4.00			ug/L	0.691	2.00	09/29/20 19:14	B0I0944	WZZ	1
1,1-Dichloroethene	< 4.00	8.00			ug/L	1.10	4.00	09/29/20 19:14	B0I0944	WZZ	1
1,1-Dichloropropene	< 1.00	2.00			ug/L	0.462	1.00	09/29/20 19:14	B0I0944	WZZ	1
1,2,3-Trichlorobenzene	< 0.600	2.00			ug/L	0.199	0.600	09/29/20 19:14	B0I0944	WZZ	1
1,2,3-Trichloropropane	< 2.00	4.00			ug/L	0.598	2.00	09/29/20 19:14	B0I0944	WZZ	1
1,2,4-Trimethylbenzene	< 2.00	4.00			ug/L	0.753	2.00	09/29/20 19:14	B0I0944	WZZ	1
1,2-Dibromo-3-chloropropane	< 4.00	8.00			ug/L	1.22	4.00	09/29/20 19:14	B0I0944	WZZ	1
1,2-Dibromoethane	< 1.00	2.00			ug/L	0.420	1.00	09/29/20 19:14	B0I0944	WZZ	1
1,2-Dichloroethane	< 2.00	4.00			ug/L	0.731	2.00	09/29/20 19:14	B0I0944	WZZ	1
1,2-Dichloropropane	< 2.00	4.00			ug/L	0.557	2.00	09/29/20 19:14	B0I0944	WZZ	1
1,3,5-Trimethylbenzene	< 1.00	2.00			ug/L	0.351	1.00	09/29/20 19:14	B0I0944	WZZ	1
1,3-Dichloropropane	< 1.00	2.00			ug/L	0.345	1.00	09/29/20 19:14	B0I0944	WZZ	1
2,2-Dichloropropane	< 4.00	8.00			ug/L	1.03	4.00	09/29/20 19:14	B0I0944	WZZ	1
2-Butanone	< 14.0	28.0			ug/L	4.79	14.0	09/29/20 19:14	B0I0944	WZZ	1
2-Chlorotoluene	< 1.00	2.00			ug/L	0.384	1.00	09/29/20 19:14	B0I0944	WZZ	1
2-Hexanone	< 14.0	28.0			ug/L	4.74	14.0	09/29/20 19:14	B0I0944	WZZ	1
4-Isopropyltoluene	< 2.00	4.00			ug/L	0.930	2.00	09/29/20 19:14	B0I0944	WZZ	1
4-Methyl-2-pentanone	< 14.0	28.0			ug/L	4.40	14.0	09/29/20 19:14	B0I0944	WZZ	1
Acetone	< 28.0	70.0	Q, S1		ug/L	9.21	28.0	09/29/20 19:14	B0I0944	WZZ	1
Benzene	< 1.00	2.00			ug/L	0.362	1.00	09/29/20 19:14	B0I0944	WZZ	1
Bromobenzene	< 1.00	2.00			ug/L	0.354	1.00	09/29/20 19:14	B0I0944	WZZ	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-6  
**Report Date:** 10/07/2020  
**Collection Date:** 09/25/2020 11:05  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-15 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Volatile Organic Compounds by GC/MS (Continued)</b>										
Method: SW8260B / SW5030 (Continued)										
Bromochloromethane	< 2.00	4.00		ug/L	0.861	2.00	09/29/20 19:14	B0I0944	WZZ	1
Bromodichloromethane	< 1.00	2.00		ug/L	0.458	1.00	09/29/20 19:14	B0I0944	WZZ	1
Bromoform	< 2.00	4.00		ug/L	0.570	2.00	09/29/20 19:14	B0I0944	WZZ	1
Bromomethane	< 4.00	8.00		ug/L	1.61	4.00	09/29/20 19:14	B0I0944	WZZ	1
Carbon disulfide	< 2.00	4.00		ug/L	0.739	2.00	09/29/20 19:14	B0I0944	WZZ	1
Carbon tetrachloride	< 2.00	4.00		ug/L	0.710	2.00	09/29/20 19:14	B0I0944	WZZ	1
Chlorobenzene	< 0.600	2.00		ug/L	0.170	0.600	09/29/20 19:14	B0I0944	WZZ	1
Chloroethane	< 2.00	4.00		ug/L	0.621	2.00	09/29/20 19:14	B0I0944	WZZ	1
Chloroform	< 4.00	8.00		ug/L	1.06	4.00	09/29/20 19:14	B0I0944	WZZ	1
Chloromethane	< 4.00	8.00		ug/L	1.30	4.00	09/29/20 19:14	B0I0944	WZZ	1
<b>cis-1,2-Dichloroethene</b>	<b>6.39</b>	4.00		ug/L	0.652	2.00	09/29/20 19:14	B0I0944	WZZ	1
cis-1,3-Dichloropropene	< 2.00	4.00		ug/L	0.408	2.00	09/29/20 19:14	B0I0944	WZZ	1
Cyclohexane	< 1.00	2.00		ug/L	0.325	1.00	09/29/20 19:14	B0I0944	WZZ	1
Dibromochloromethane	< 2.00	4.00		ug/L	0.632	2.00	09/29/20 19:14	B0I0944	WZZ	1
Dibromomethane	< 1.00	2.00		ug/L	0.390	1.00	09/29/20 19:14	B0I0944	WZZ	1
Dichlorodifluoromethane	< 0.600	2.00		ug/L	0.186	0.600	09/29/20 19:14	B0I0944	WZZ	1
Ethylbenzene	< 1.00	2.00		ug/L	0.268	1.00	09/29/20 19:14	B0I0944	WZZ	1
Isopropylbenzene	< 1.00	2.00		ug/L	0.312	1.00	09/29/20 19:14	B0I0944	WZZ	1
m,p-Xylene	< 4.00	8.00		ug/L	1.58	4.00	09/29/20 19:14	B0I0944	WZZ	1
Methyl tert-butyl ether	< 2.00	4.00		ug/L	0.838	2.00	09/29/20 19:14	B0I0944	WZZ	1
Methylene chloride	< 4.00	8.00		ug/L	1.02	4.00	09/29/20 19:14	B0I0944	WZZ	1
n-Butylbenzene	< 1.00	2.00		ug/L	0.295	1.00	09/29/20 19:14	B0I0944	WZZ	1
n-Propylbenzene	< 1.00	2.00		ug/L	0.289	1.00	09/29/20 19:14	B0I0944	WZZ	1
o-Xylene	< 1.00	2.00		ug/L	0.324	1.00	09/29/20 19:14	B0I0944	WZZ	1
sec-Butylbenzene	< 0.600	2.00		ug/L	0.223	0.600	09/29/20 19:14	B0I0944	WZZ	1
Styrene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 19:14	B0I0944	WZZ	1
tert-Butylbenzene	< 2.00	4.00		ug/L	0.800	2.00	09/29/20 19:14	B0I0944	WZZ	1
Tetrachloroethene	< 2.00	4.00		ug/L	0.646	2.00	09/29/20 19:14	B0I0944	WZZ	1
Toluene	< 2.00	4.00		ug/L	0.510	2.00	09/29/20 19:14	B0I0944	WZZ	1
trans-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.566	2.00	09/29/20 19:14	B0I0944	WZZ	1
trans-1,3-Dichloropropene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 19:14	B0I0944	WZZ	1
Trichloroethene	< 2.00	4.00		ug/L	0.939	2.00	09/29/20 19:14	B0I0944	WZZ	1
Trichlorofluoromethane	< 2.00	4.00		ug/L	0.503	2.00	09/29/20 19:14	B0I0944	WZZ	1
Vinyl chloride	< 2.00	4.00		ug/L	0.582	2.00	09/29/20 19:14	B0I0944	WZZ	1
Xylenes, Total	< 6.00	12.0		ug/L	1.62	6.00	09/29/20 19:14	B0I0944	WZZ	1
Surrogate: Dibromofluoromethane				Recovery: 102%	Limits: 84-137		09/29/20 19:14	B0I0944	WZZ	1
Surrogate: 1,2-Dichloroethane-d4				Recovery: 106%	Limits: 74-140		09/29/20 19:14	B0I0944	WZZ	1
Surrogate: Fluorobenzene				Recovery: 97%	Limits: 90-105		09/29/20 19:14	B0I0944	WZZ	1
Surrogate: Toluene-d8				Recovery: 98%	Limits: 74-109		09/29/20 19:14	B0I0944	WZZ	1
Surrogate: 4-Bromofluorobenzene				Recovery: 103%	Limits: 86-128		09/29/20 19:14	B0I0944	WZZ	1
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 101%	Limits: 90-128		09/29/20 19:14	B0I0944	WZZ	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-6  
**Report Date:** 10/07/2020  
**Collection Date:** 09/25/2020 11:05  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-15 (Continued)

Analyses	Result	EMT		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Reporting Limit	Qual							
<b>Semivolatile Organic Compounds by GC/MS</b>										
Method: SW8270D / SW3510										
1,2,4-Trichlorobenzene	< 1.13	2.27		ug/L	0.317	1.13	09/30/20 10:13	B0I0881	CP1	1
1,2-Dichlorobenzene	< 1.13	2.27		ug/L	0.340	1.13	09/30/20 10:13	B0I0881	CP1	1
1,3-Dichlorobenzene	< 1.13	2.27		ug/L	0.351	1.13	09/30/20 10:13	B0I0881	CP1	1
1,4-Dichlorobenzene	< 1.13	2.27		ug/L	0.317	1.13	09/30/20 10:13	B0I0881	CP1	1
2,4,5-Trichlorophenol	< 0.567	1.13		ug/L	0.147	0.567	09/30/20 10:13	B0I0881	CP1	1
2,4,6-Trichlorophenol	< 0.567	1.13		ug/L	0.276	0.567	09/30/20 10:13	B0I0881	CP1	1
2,4-Dichlorophenol	< 0.567	1.13		ug/L	0.0893	0.567	09/30/20 10:13	B0I0881	CP1	1
2,4-Dimethylphenol	< 1.13	2.27		ug/L	0.133	1.13	09/30/20 10:13	B0I0881	CP1	1
2,4-Dinitrophenol	< 11.3	34.0		ug/L	3.75	11.3	09/30/20 10:13	B0I0881	CP1	1
2,4-Dinitrotoluene	< 1.13	2.27		ug/L	0.286	1.13	09/30/20 10:13	B0I0881	CP1	1
2,6-Dinitrotoluene	< 0.567	1.13		ug/L	0.260	0.567	09/30/20 10:13	B0I0881	CP1	1
2-Chloronaphthalene	< 0.340	0.680		ug/L	0.120	0.340	09/30/20 10:13	B0I0881	CP1	1
2-Chlorophenol	< 0.567	1.13		ug/L	0.174	0.567	09/30/20 10:13	B0I0881	CP1	1
2-Methylnaphthalene	< 2.27	4.53		ug/L	0.725	2.27	09/30/20 10:13	B0I0881	CP1	1
2-Methylphenol	< 0.567	1.13		ug/L	0.207	0.567	09/30/20 10:13	B0I0881	CP1	1
2-Nitroaniline	< 11.3	34.0		ug/L	2.90	11.3	09/30/20 10:13	B0I0881	CP1	1
2-Nitrophenol	< 0.567	1.13		ug/L	0.237	0.567	09/30/20 10:13	B0I0881	CP1	1
3,3'-Dichlorobenzidine	< 11.3	22.7		ug/L	3.58	11.3	09/30/20 10:13	B0I0881	CP1	1
3 & 4-Methylphenol	< 0.567	1.13		ug/L	0.203	0.567	09/30/20 10:13	B0I0881	CP1	1
3-Nitroaniline	< 1.13	2.27		ug/L	0.408	1.13	09/30/20 10:13	B0I0881	CP1	1
4,6-Dinitro-2-methylphenol	< 5.67	17.0		ug/L	2.78	5.67	09/30/20 10:13	B0I0881	CP1	1
4-Bromophenyl-phenylether	< 0.567	1.13		ug/L	0.181	0.567	09/30/20 10:13	B0I0881	CP1	1
4-Chloro-3-methylphenol	< 0.227	0.567		ug/L	0.0808	0.227	09/30/20 10:13	B0I0881	CP1	1
4-Chloroaniline	< 0.340	0.680		ug/L	0.121	0.340	09/30/20 10:13	B0I0881	CP1	1
4-Chlorophenyl-phenylether	< 0.567	1.13		ug/L	0.165	0.567	09/30/20 10:13	B0I0881	CP1	1
4-Nitroaniline	< 11.3	34.0		ug/L	4.28	11.3	09/30/20 10:13	B0I0881	CP1	1
4-Nitrophenol	< 5.67	17.0		ug/L	1.63	5.67	09/30/20 10:13	B0I0881	CP1	1
Acenaphthene	< 0.340	0.680		ug/L	0.118	0.340	09/30/20 10:13	B0I0881	CP1	1
Acenaphthylene	< 0.340	0.680		ug/L	0.147	0.340	09/30/20 10:13	B0I0881	CP1	1
Anthracene	< 0.340	0.680		ug/L	0.126	0.340	09/30/20 10:13	B0I0881	CP1	1
Azobenzene as 1,2-Diphenylhydrazine	< 0.340	1.13		ug/L	0.0869	0.340	09/30/20 10:13	B0I0881	CP1	1
Benzidine	< 45.3	90.6		ug/L	18.8	45.3	09/30/20 10:13	B0I0881	CP1	1
Benzo(a)anthracene	< 0.340	0.680		ug/L	0.140	0.340	09/30/20 10:13	B0I0881	CP1	1
Benzo(a)pyrene	< 1.13	2.27		ug/L	0.426	1.13	09/30/20 10:13	B0I0881	CP1	1
Benzo(b)fluoranthene	< 1.13	2.27		ug/L	0.422	1.13	09/30/20 10:13	B0I0881	CP1	1
Benzo(g,h,i)perylene	< 1.13	2.27		ug/L	0.453	1.13	09/30/20 10:13	B0I0881	CP1	1
Benzo(k)fluoranthene	< 0.567	2.27		ug/L	0.282	0.567	09/30/20 10:13	B0I0881	CP1	1
Benzoic acid	< 27.2	45.3		ug/L	13.3	27.2	09/30/20 10:13	B0I0881	CP1	1
Benzyl alcohol	< 2.27	4.53		ug/L	0.623	2.27	09/30/20 10:13	B0I0881	CP1	1
Bis(2-chloroethoxy)methane	< 0.567	1.13		ug/L	0.153	0.567	09/30/20 10:13	B0I0881	CP1	1
Bis(2-chloroethyl)ether	< 0.567	1.13		ug/L	0.199	0.567	09/30/20 10:13	B0I0881	CP1	1
Bis(2-chloroisopropyl)ether	< 0.567	1.13		ug/L	0.145	0.567	09/30/20 10:13	B0I0881	CP1	1
Bis(2-ethylhexyl)phthalate	< 11.3	22.7		ug/L	4.11	11.3	09/30/20 10:13	B0I0881	CP1	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-6  
**Report Date:** 10/07/2020  
**Collection Date:** 09/25/2020 11:05  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-15 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Semivolatile Organic Compounds by GC/MS (Continued)</b>										
Method: SW8270D / SW3510 (Continued)										
Butyl benzyl phthalate	< 0.567	1.13		ug/L	0.265	0.567	09/30/20 10:13	B0I0881	CP1	1
Carbazole	< 0.567	1.13		ug/L	0.196	0.567	09/30/20 10:13	B0I0881	CP1	1
Chrysene	< 0.340	0.680		ug/L	0.144	0.340	09/30/20 10:13	B0I0881	CP1	1
Dibenzo(a,h)anthracene	< 1.13	2.27		ug/L	0.501	1.13	09/30/20 10:13	B0I0881	CP1	1
Dibenzofuran	< 0.340	0.680		ug/L	0.139	0.340	09/30/20 10:13	B0I0881	CP1	1
Diethyl phthalate	< 3.40	6.80		ug/L	1.32	3.40	09/30/20 10:13	B0I0881	CP1	1
Dimethyl phthalate	< 0.340	0.680		ug/L	0.100	0.340	09/30/20 10:13	B0I0881	CP1	1
Di-n-butyl phthalate	< 6.80	11.3		ug/L	3.26	6.80	09/30/20 10:13	B0I0881	CP1	1
Di-n-octyl phthalate	< 5.67	11.3		ug/L	2.14	5.67	09/30/20 10:13	B0I0881	CP1	1
Fluoranthene	< 0.567	1.13		ug/L	0.223	0.567	09/30/20 10:13	B0I0881	CP1	1
Fluorene	< 0.340	0.680		ug/L	0.140	0.340	09/30/20 10:13	B0I0881	CP1	1
Hexachlorobenzene	< 0.567	1.13		ug/L	0.187	0.567	09/30/20 10:13	B0I0881	CP1	1
Hexachlorobutadiene	< 0.567	1.13		ug/L	0.283	0.567	09/30/20 10:13	B0I0881	CP1	1
Hexachlorocyclopentadiene	< 5.67	17.0		ug/L	2.48	5.67	09/30/20 10:13	B0I0881	CP1	1
Hexachloroethane	< 0.567	1.13		ug/L	0.249	0.567	09/30/20 10:13	B0I0881	CP1	1
Indeno(1,2,3-cd)pyrene	< 1.13	2.27		ug/L	0.569	1.13	09/30/20 10:13	B0I0881	CP1	1
Isophorone	< 0.340	0.680		ug/L	0.125	0.340	09/30/20 10:13	B0I0881	CP1	1
Naphthalene	< 2.27	4.53		ug/L	0.925	2.27	09/30/20 10:13	B0I0881	CP1	1
Nitrobenzene	< 0.340	0.680		ug/L	0.158	0.340	09/30/20 10:13	B0I0881	CP1	1
N-Nitrosodimethylamine	< 0.567	1.13		ug/L	0.177	0.567	09/30/20 10:13	B0I0881	CP1	1
N-Nitrosodi-n-propylamine	< 1.13	2.27		ug/L	0.361	1.13	09/30/20 10:13	B0I0881	CP1	1
N-Nitrosodiphenylamine	< 0.340	0.680		ug/L	0.118	0.340	09/30/20 10:13	B0I0881	CP1	1
Pentachlorophenol	< 11.3	34.0		ug/L	2.86	11.3	09/30/20 10:13	B0I0881	CP1	1
Phenanthrene	< 0.567	1.13		ug/L	0.233	0.567	09/30/20 10:13	B0I0881	CP1	1
Phenol	< 0.567	1.13		ug/L	0.193	0.567	09/30/20 10:13	B0I0881	CP1	1
Pyrene	< 0.567	1.13		ug/L	0.236	0.567	09/30/20 10:13	B0I0881	CP1	1
Surrogate: 2-Fluorophenol							09/30/20 10:13	B0I0881	CP1	1
Surrogate: Phenol-d5							09/30/20 10:13	B0I0881	CP1	1
Surrogate: Nitrobenzene-d5							09/30/20 10:13	B0I0881	CP1	1
Surrogate: 2-Fluorobiphenyl							09/30/20 10:13	B0I0881	CP1	1
Surrogate: 2,4,6-Tribromophenol							09/30/20 10:13	B0I0881	CP1	1
Surrogate: 4-Terphenyl-d14							09/30/20 10:13	B0I0881	CP1	1

**Subcontracted Analyses**

Method: SW8260-SIM Modified / SW5030

<b>1,4-Dioxane</b>	<b>28.2</b>	2.50		ug/L	0.312	1.00	10/02/20 12:29	B0J0077	CP1	5
Surrogate: Toluene-d8							10/02/20 12:29	B0J0077	CP1	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-6  
**Report Date:** 10/07/2020  
**Collection Date:** 09/25/2020 11:05  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-16

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF	
		Limit										
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>												
Method: SW8082A / SW3510												
Aroclor 1016	< 0.534	1.07			ug/L	0.226	0.534	10/01/20 17:13	B0I0905	CS2	1	
Aroclor 1221	< 0.534	0.640			ug/L	0.204	0.534	10/01/20 17:13	B0I0905	CS2	1	
Aroclor 1232	< 0.534	0.640			ug/L	0.173	0.534	10/01/20 17:13	B0I0905	CS2	1	
Aroclor 1242	< 1.07	2.13			ug/L	0.374	1.07	10/01/20 17:13	B0I0905	CS2	1	
Aroclor 1248	< 0.534	0.640			ug/L	0.171	0.534	10/01/20 17:13	B0I0905	CS2	1	
Aroclor 1254	< 0.534	0.640			ug/L	0.187	0.534	10/01/20 17:13	B0I0905	CS2	1	
Aroclor 1260	< 0.320	0.427			ug/L	0.120	0.320	10/01/20 17:13	B0I0905	CS2	1	
Total PCB	< 0.534	0.640			ug/L	0.204	0.534	10/01/20 17:13	B0I0905	CS2	1	
<i>Surrogate: Decachlorobiphenyl</i>					<i>Recovery: 85%</i>		<i>Limits: 10-139</i>		<i>10/01/20 17:13</i>	<i>B0I0905</i>	<i>CS2</i>	<i>1</i>
<i>Surrogate: 2,4,5,6-Tetrachloro-m-xylene</i>					<i>Recovery: 60%</i>		<i>Limits: 26-107</i>		<i>10/01/20 17:13</i>	<i>B0I0905</i>	<i>CS2</i>	<i>1</i>



**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-7  
**Report Date:** 10/07/2020  
**Collection Date:** 09/24/2020 16:05  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-17

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Limit								
<b>Wet Chemistry</b>											
Method: SW9060											
Organic Carbon, Total	3.05	1.00			mg/L	0.400	0.800	10/07/20 00:01	B0J0227	TB2	1
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>											
Method: SW8082A / SW3510											
Aroclor 1016	< 0.508	1.02			ug/L	0.215	0.508	10/01/20 17:30	B0I0902	CS2	1
Aroclor 1221	< 0.508	0.609			ug/L	0.194	0.508	10/01/20 17:30	B0I0902	CS2	1
Aroclor 1232	< 0.508	0.609			ug/L	0.165	0.508	10/01/20 17:30	B0I0902	CS2	1
Aroclor 1242	< 1.02	2.03			ug/L	0.356	1.02	10/01/20 17:30	B0I0902	CS2	1
Aroclor 1248	< 0.508	0.609			ug/L	0.162	0.508	10/01/20 17:30	B0I0902	CS2	1
Aroclor 1254	< 0.508	0.609			ug/L	0.178	0.508	10/01/20 17:30	B0I0902	CS2	1
Aroclor 1260	< 0.305	0.406			ug/L	0.114	0.305	10/01/20 17:30	B0I0902	CS2	1
Total PCB	< 0.508	0.609			ug/L	0.194	0.508	10/01/20 17:30	B0I0902	CS2	1
Surrogate: Decachlorobiphenyl					Recovery: 81%	Limits: 10-139		10/01/20 17:30	B0I0902	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene					Recovery: 70%	Limits: 26-107		10/01/20 17:30	B0I0902	CS2	1
<b>Volatile Organic Compounds by GC/MS</b>											
Method: SW8260B / SW5030											
1,1,1,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.706	2.00	09/29/20 19:40	B0I0944	WZZ	1
1,1,1-Trichloroethane	< 2.00	4.00			ug/L	0.719	2.00	09/29/20 19:40	B0I0944	WZZ	1
1,1,2,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.713	2.00	09/29/20 19:40	B0I0944	WZZ	1
1,1,2-Trichloroethane	< 0.600	2.00			ug/L	0.198	0.600	09/29/20 19:40	B0I0944	WZZ	1
1,1-Dichloroethane	< 2.00	4.00			ug/L	0.691	2.00	09/29/20 19:40	B0I0944	WZZ	1
1,1-Dichloroethene	< 4.00	8.00			ug/L	1.10	4.00	09/29/20 19:40	B0I0944	WZZ	1
1,1-Dichloropropene	< 1.00	2.00			ug/L	0.462	1.00	09/29/20 19:40	B0I0944	WZZ	1
1,2,3-Trichlorobenzene	< 0.600	2.00			ug/L	0.199	0.600	09/29/20 19:40	B0I0944	WZZ	1
1,2,3-Trichloropropane	< 2.00	4.00			ug/L	0.598	2.00	09/29/20 19:40	B0I0944	WZZ	1
1,2,4-Trimethylbenzene	< 2.00	4.00			ug/L	0.753	2.00	09/29/20 19:40	B0I0944	WZZ	1
1,2-Dibromo-3-chloropropane	< 4.00	8.00			ug/L	1.22	4.00	09/29/20 19:40	B0I0944	WZZ	1
1,2-Dibromoethane	< 1.00	2.00			ug/L	0.420	1.00	09/29/20 19:40	B0I0944	WZZ	1
1,2-Dichloroethane	< 2.00	4.00			ug/L	0.731	2.00	09/29/20 19:40	B0I0944	WZZ	1
1,2-Dichloropropane	< 2.00	4.00			ug/L	0.557	2.00	09/29/20 19:40	B0I0944	WZZ	1
1,3,5-Trimethylbenzene	< 1.00	2.00			ug/L	0.351	1.00	09/29/20 19:40	B0I0944	WZZ	1
1,3-Dichloropropane	< 1.00	2.00			ug/L	0.345	1.00	09/29/20 19:40	B0I0944	WZZ	1
2,2-Dichloropropane	< 4.00	8.00			ug/L	1.03	4.00	09/29/20 19:40	B0I0944	WZZ	1
2-Butanone	< 14.0	28.0			ug/L	4.79	14.0	09/29/20 19:40	B0I0944	WZZ	1
2-Chlorotoluene	< 1.00	2.00			ug/L	0.384	1.00	09/29/20 19:40	B0I0944	WZZ	1
2-Hexanone	< 14.0	28.0			ug/L	4.74	14.0	09/29/20 19:40	B0I0944	WZZ	1
4-Isopropyltoluene	< 2.00	4.00			ug/L	0.930	2.00	09/29/20 19:40	B0I0944	WZZ	1
4-Methyl-2-pentanone	< 14.0	28.0			ug/L	4.40	14.0	09/29/20 19:40	B0I0944	WZZ	1
Acetone	< 28.0	70.0	Q, S1		ug/L	9.21	28.0	09/29/20 19:40	B0I0944	WZZ	1
Benzene	< 1.00	2.00			ug/L	0.362	1.00	09/29/20 19:40	B0I0944	WZZ	1
Bromobenzene	< 1.00	2.00			ug/L	0.354	1.00	09/29/20 19:40	B0I0944	WZZ	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-7  
**Report Date:** 10/07/2020  
**Collection Date:** 09/24/2020 16:05  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-17 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Volatile Organic Compounds by GC/MS (Continued)</b>										
Method: SW8260B / SW5030 (Continued)										
Bromochloromethane	< 2.00	4.00		ug/L	0.861	2.00	09/29/20 19:40	B0I0944	WZZ	1
Bromodichloromethane	< 1.00	2.00		ug/L	0.458	1.00	09/29/20 19:40	B0I0944	WZZ	1
Bromoform	< 2.00	4.00		ug/L	0.570	2.00	09/29/20 19:40	B0I0944	WZZ	1
Bromomethane	< 4.00	8.00		ug/L	1.61	4.00	09/29/20 19:40	B0I0944	WZZ	1
Carbon disulfide	< 2.00	4.00		ug/L	0.739	2.00	09/29/20 19:40	B0I0944	WZZ	1
Carbon tetrachloride	< 2.00	4.00		ug/L	0.710	2.00	09/29/20 19:40	B0I0944	WZZ	1
Chlorobenzene	< 0.600	2.00		ug/L	0.170	0.600	09/29/20 19:40	B0I0944	WZZ	1
Chloroethane	< 2.00	4.00		ug/L	0.621	2.00	09/29/20 19:40	B0I0944	WZZ	1
Chloroform	< 4.00	8.00		ug/L	1.06	4.00	09/29/20 19:40	B0I0944	WZZ	1
Chloromethane	< 4.00	8.00		ug/L	1.30	4.00	09/29/20 19:40	B0I0944	WZZ	1
<b>cis-1,2-Dichloroethene</b>	<b>48.8</b>	4.00		ug/L	0.652	2.00	09/29/20 19:40	B0I0944	WZZ	1
cis-1,3-Dichloropropene	< 2.00	4.00		ug/L	0.408	2.00	09/29/20 19:40	B0I0944	WZZ	1
Cyclohexane	< 1.00	2.00		ug/L	0.325	1.00	09/29/20 19:40	B0I0944	WZZ	1
Dibromochloromethane	< 2.00	4.00		ug/L	0.632	2.00	09/29/20 19:40	B0I0944	WZZ	1
Dibromomethane	< 1.00	2.00		ug/L	0.390	1.00	09/29/20 19:40	B0I0944	WZZ	1
Dichlorodifluoromethane	< 0.600	2.00		ug/L	0.186	0.600	09/29/20 19:40	B0I0944	WZZ	1
Ethylbenzene	< 1.00	2.00		ug/L	0.268	1.00	09/29/20 19:40	B0I0944	WZZ	1
Isopropylbenzene	< 1.00	2.00		ug/L	0.312	1.00	09/29/20 19:40	B0I0944	WZZ	1
m,p-Xylene	< 4.00	8.00		ug/L	1.58	4.00	09/29/20 19:40	B0I0944	WZZ	1
Methyl tert-butyl ether	< 2.00	4.00		ug/L	0.838	2.00	09/29/20 19:40	B0I0944	WZZ	1
Methylene chloride	< 4.00	8.00		ug/L	1.02	4.00	09/29/20 19:40	B0I0944	WZZ	1
n-Butylbenzene	< 1.00	2.00		ug/L	0.295	1.00	09/29/20 19:40	B0I0944	WZZ	1
n-Propylbenzene	< 1.00	2.00		ug/L	0.289	1.00	09/29/20 19:40	B0I0944	WZZ	1
o-Xylene	< 1.00	2.00		ug/L	0.324	1.00	09/29/20 19:40	B0I0944	WZZ	1
sec-Butylbenzene	< 0.600	2.00		ug/L	0.223	0.600	09/29/20 19:40	B0I0944	WZZ	1
Styrene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 19:40	B0I0944	WZZ	1
tert-Butylbenzene	< 2.00	4.00		ug/L	0.800	2.00	09/29/20 19:40	B0I0944	WZZ	1
Tetrachloroethene	< 2.00	4.00		ug/L	0.646	2.00	09/29/20 19:40	B0I0944	WZZ	1
Toluene	< 2.00	4.00		ug/L	0.510	2.00	09/29/20 19:40	B0I0944	WZZ	1
trans-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.566	2.00	09/29/20 19:40	B0I0944	WZZ	1
trans-1,3-Dichloropropene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 19:40	B0I0944	WZZ	1
Trichloroethene	< 2.00	4.00		ug/L	0.939	2.00	09/29/20 19:40	B0I0944	WZZ	1
Trichlorofluoromethane	< 2.00	4.00		ug/L	0.503	2.00	09/29/20 19:40	B0I0944	WZZ	1
Vinyl chloride	< 2.00	4.00		ug/L	0.582	2.00	09/29/20 19:40	B0I0944	WZZ	1
Xylenes, Total	< 6.00	12.0		ug/L	1.62	6.00	09/29/20 19:40	B0I0944	WZZ	1
Surrogate: Dibromofluoromethane				Recovery: 104%	Limits: 84-137		09/29/20 19:40	B0I0944	WZZ	1
Surrogate: 1,2-Dichloroethane-d4				Recovery: 104%	Limits: 74-140		09/29/20 19:40	B0I0944	WZZ	1
Surrogate: Fluorobenzene				Recovery: 102%	Limits: 90-105		09/29/20 19:40	B0I0944	WZZ	1
Surrogate: Toluene-d8				Recovery: 102%	Limits: 74-109		09/29/20 19:40	B0I0944	WZZ	1
Surrogate: 4-Bromofluorobenzene				Recovery: 102%	Limits: 86-128		09/29/20 19:40	B0I0944	WZZ	1
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 99%	Limits: 90-128		09/29/20 19:40	B0I0944	WZZ	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-7  
**Report Date:** 10/07/2020  
**Collection Date:** 09/24/2020 16:05  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-17 (Continued)

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Limit								
<b>Semivolatile Organic Compounds by GC/MS</b>											
<b>Method: SW8270D / SW3510</b>											
1,2,4-Trichlorobenzene	< 1.05	2.10			ug/L	0.294	1.05	09/30/20 10:34	B0I0881	CP1	1
1,2-Dichlorobenzene	< 1.05	2.10			ug/L	0.315	1.05	09/30/20 10:34	B0I0881	CP1	1
1,3-Dichlorobenzene	< 1.05	2.10			ug/L	0.326	1.05	09/30/20 10:34	B0I0881	CP1	1
1,4-Dichlorobenzene	< 1.05	2.10			ug/L	0.294	1.05	09/30/20 10:34	B0I0881	CP1	1
2,4,5-Trichlorophenol	< 0.526	1.05			ug/L	0.136	0.526	09/30/20 10:34	B0I0881	CP1	1
2,4,6-Trichlorophenol	< 0.526	1.05			ug/L	0.256	0.526	09/30/20 10:34	B0I0881	CP1	1
2,4-Dichlorophenol	< 0.526	1.05			ug/L	0.0828	0.526	09/30/20 10:34	B0I0881	CP1	1
2,4-Dimethylphenol	< 1.05	2.10			ug/L	0.123	1.05	09/30/20 10:34	B0I0881	CP1	1
2,4-Dinitrophenol	< 10.5	31.5			ug/L	3.48	10.5	09/30/20 10:34	B0I0881	CP1	1
2,4-Dinitrotoluene	< 1.05	2.10			ug/L	0.265	1.05	09/30/20 10:34	B0I0881	CP1	1
2,6-Dinitrotoluene	< 0.526	1.05			ug/L	0.242	0.526	09/30/20 10:34	B0I0881	CP1	1
2-Chloronaphthalene	< 0.315	0.631			ug/L	0.111	0.315	09/30/20 10:34	B0I0881	CP1	1
2-Chlorophenol	< 0.526	1.05			ug/L	0.161	0.526	09/30/20 10:34	B0I0881	CP1	1
2-Methylnaphthalene	< 2.10	4.20			ug/L	0.673	2.10	09/30/20 10:34	B0I0881	CP1	1
2-Methylphenol	< 0.526	1.05			ug/L	0.192	0.526	09/30/20 10:34	B0I0881	CP1	1
2-Nitroaniline	< 10.5	31.5			ug/L	2.69	10.5	09/30/20 10:34	B0I0881	CP1	1
2-Nitrophenol	< 0.526	1.05			ug/L	0.220	0.526	09/30/20 10:34	B0I0881	CP1	1
3,3'-Dichlorobenzidine	< 10.5	21.0			ug/L	3.33	10.5	09/30/20 10:34	B0I0881	CP1	1
3 & 4-Methylphenol	< 0.526	1.05			ug/L	0.188	0.526	09/30/20 10:34	B0I0881	CP1	1
3-Nitroaniline	< 1.05	2.10			ug/L	0.378	1.05	09/30/20 10:34	B0I0881	CP1	1
4,6-Dinitro-2-methylphenol	< 5.26	15.8			ug/L	2.58	5.26	09/30/20 10:34	B0I0881	CP1	1
4-Bromophenyl-phenylether	< 0.526	1.05			ug/L	0.168	0.526	09/30/20 10:34	B0I0881	CP1	1
4-Chloro-3-methylphenol	< 0.210	0.526			ug/L	0.0750	0.210	09/30/20 10:34	B0I0881	CP1	1
4-Chloroaniline	< 0.315	0.631			ug/L	0.112	0.315	09/30/20 10:34	B0I0881	CP1	1
4-Chlorophenyl-phenylether	< 0.526	1.05			ug/L	0.153	0.526	09/30/20 10:34	B0I0881	CP1	1
4-Nitroaniline	< 10.5	31.5			ug/L	3.97	10.5	09/30/20 10:34	B0I0881	CP1	1
4-Nitrophenol	< 5.26	15.8			ug/L	1.51	5.26	09/30/20 10:34	B0I0881	CP1	1
Acenaphthene	< 0.315	0.631			ug/L	0.109	0.315	09/30/20 10:34	B0I0881	CP1	1
Acenaphthylene	< 0.315	0.631			ug/L	0.137	0.315	09/30/20 10:34	B0I0881	CP1	1
Anthracene	< 0.315	0.631			ug/L	0.117	0.315	09/30/20 10:34	B0I0881	CP1	1
Azobenzene as 1,2-Diphenylhydrazine	< 0.315	1.05			ug/L	0.0806	0.315	09/30/20 10:34	B0I0881	CP1	1
Benzidine	< 42.0	84.1			ug/L	17.4	42.0	09/30/20 10:34	B0I0881	CP1	1
Benzo(a)anthracene	< 0.315	0.631			ug/L	0.130	0.315	09/30/20 10:34	B0I0881	CP1	1
Benzo(a)pyrene	< 1.05	2.10			ug/L	0.395	1.05	09/30/20 10:34	B0I0881	CP1	1
Benzo(b)fluoranthene	< 1.05	2.10			ug/L	0.391	1.05	09/30/20 10:34	B0I0881	CP1	1
Benzo(g,h,i)perylene	< 1.05	2.10			ug/L	0.420	1.05	09/30/20 10:34	B0I0881	CP1	1
Benzo(k)fluoranthene	< 0.526	2.10			ug/L	0.262	0.526	09/30/20 10:34	B0I0881	CP1	1
Benzoic acid	< 25.2	42.0			ug/L	12.3	25.2	09/30/20 10:34	B0I0881	CP1	1
Benzyl alcohol	< 2.10	4.20			ug/L	0.578	2.10	09/30/20 10:34	B0I0881	CP1	1
Bis(2-chloroethoxy)methane	< 0.526	1.05			ug/L	0.142	0.526	09/30/20 10:34	B0I0881	CP1	1
Bis(2-chloroethyl)ether	< 0.526	1.05			ug/L	0.185	0.526	09/30/20 10:34	B0I0881	CP1	1
Bis(2-chloroisopropyl)ether	< 0.526	1.05			ug/L	0.135	0.526	09/30/20 10:34	B0I0881	CP1	1
Bis(2-ethylhexyl)phthalate	< 10.5	21.0			ug/L	3.82	10.5	09/30/20 10:34	B0I0881	CP1	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-7  
**Report Date:** 10/07/2020  
**Collection Date:** 09/24/2020 16:05  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-17 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Semivolatile Organic Compounds by GC/MS (Continued)</b>										
Method: SW8270D / SW3510 (Continued)										
Butyl benzyl phthalate	< 0.526	1.05		ug/L	0.246	0.526	09/30/20 10:34	B0I0881	CP1	1
Carbazole	< 0.526	1.05		ug/L	0.182	0.526	09/30/20 10:34	B0I0881	CP1	1
Chrysene	< 0.315	0.631		ug/L	0.133	0.315	09/30/20 10:34	B0I0881	CP1	1
Dibenzo(a,h)anthracene	< 1.05	2.10		ug/L	0.464	1.05	09/30/20 10:34	B0I0881	CP1	1
Dibenzofuran	< 0.315	0.631		ug/L	0.129	0.315	09/30/20 10:34	B0I0881	CP1	1
Diethyl phthalate	< 3.15	6.31		ug/L	1.22	3.15	09/30/20 10:34	B0I0881	CP1	1
Dimethyl phthalate	< 0.315	0.631		ug/L	0.0928	0.315	09/30/20 10:34	B0I0881	CP1	1
Di-n-butyl phthalate	< 6.31	10.5		ug/L	3.03	6.31	09/30/20 10:34	B0I0881	CP1	1
Di-n-octyl phthalate	< 5.26	10.5		ug/L	1.99	5.26	09/30/20 10:34	B0I0881	CP1	1
Fluoranthene	< 0.526	1.05		ug/L	0.206	0.526	09/30/20 10:34	B0I0881	CP1	1
Fluorene	< 0.315	0.631		ug/L	0.130	0.315	09/30/20 10:34	B0I0881	CP1	1
Hexachlorobenzene	< 0.526	1.05		ug/L	0.173	0.526	09/30/20 10:34	B0I0881	CP1	1
Hexachlorobutadiene	< 0.526	1.05		ug/L	0.263	0.526	09/30/20 10:34	B0I0881	CP1	1
Hexachlorocyclopentadiene	< 5.26	15.8		ug/L	2.30	5.26	09/30/20 10:34	B0I0881	CP1	1
Hexachloroethane	< 0.526	1.05		ug/L	0.231	0.526	09/30/20 10:34	B0I0881	CP1	1
Indeno(1,2,3-cd)pyrene	< 1.05	2.10		ug/L	0.528	1.05	09/30/20 10:34	B0I0881	CP1	1
Isophorone	< 0.315	0.631		ug/L	0.116	0.315	09/30/20 10:34	B0I0881	CP1	1
Naphthalene	< 2.10	4.20		ug/L	0.858	2.10	09/30/20 10:34	B0I0881	CP1	1
Nitrobenzene	< 0.315	0.631		ug/L	0.147	0.315	09/30/20 10:34	B0I0881	CP1	1
N-Nitrosodimethylamine	< 0.526	1.05		ug/L	0.164	0.526	09/30/20 10:34	B0I0881	CP1	1
N-Nitrosodi-n-propylamine	< 1.05	2.10		ug/L	0.335	1.05	09/30/20 10:34	B0I0881	CP1	1
N-Nitrosodiphenylamine	< 0.315	0.631		ug/L	0.109	0.315	09/30/20 10:34	B0I0881	CP1	1
Pentachlorophenol	< 10.5	31.5		ug/L	2.65	10.5	09/30/20 10:34	B0I0881	CP1	1
Phenanthrene	< 0.526	1.05		ug/L	0.217	0.526	09/30/20 10:34	B0I0881	CP1	1
Phenol	< 0.526	1.05		ug/L	0.179	0.526	09/30/20 10:34	B0I0881	CP1	1
Pyrene	< 0.526	1.05		ug/L	0.219	0.526	09/30/20 10:34	B0I0881	CP1	1
Surrogate: 2-Fluorophenol							09/30/20 10:34	B0I0881	CP1	1
Surrogate: Phenol-d5							09/30/20 10:34	B0I0881	CP1	1
Surrogate: Nitrobenzene-d5							09/30/20 10:34	B0I0881	CP1	1
Surrogate: 2-Fluorobiphenyl							09/30/20 10:34	B0I0881	CP1	1
Surrogate: 2,4,6-Tribromophenol							09/30/20 10:34	B0I0881	CP1	1
Surrogate: 4-Terphenyl-d14							09/30/20 10:34	B0I0881	CP1	1

**Subcontracted Analyses**

Method: SW8260-SIM Modified / SW5030

1,4-Dioxane	< 0.200	0.500		ug/L	0.0625	0.200	10/02/20 16:08	B0J0077	CP1	1
Surrogate: Toluene-d8			S				10/02/20 16:08	B0J0077	CP1	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-7  
**Report Date:** 10/07/2020  
**Collection Date:** 09/24/2020 16:05  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-18

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF	
		Limit	Qual								
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>											
Method: SW8082A / SW3510											
Aroclor 1016	< 0.520	1.04		ug/L	0.221	0.520	10/01/20 17:30	B0I0905	CS2	1	
Aroclor 1221	< 0.520	0.625		ug/L	0.199	0.520	10/01/20 17:30	B0I0905	CS2	1	
Aroclor 1232	< 0.520	0.625		ug/L	0.169	0.520	10/01/20 17:30	B0I0905	CS2	1	
Aroclor 1242	< 1.04	2.08		ug/L	0.365	1.04	10/01/20 17:30	B0I0905	CS2	1	
Aroclor 1248	< 0.520	0.625		ug/L	0.166	0.520	10/01/20 17:30	B0I0905	CS2	1	
Aroclor 1254	< 0.520	0.625		ug/L	0.183	0.520	10/01/20 17:30	B0I0905	CS2	1	
Aroclor 1260	< 0.312	0.416		ug/L	0.117	0.312	10/01/20 17:30	B0I0905	CS2	1	
Total PCB	< 0.520	0.625		ug/L	0.199	0.520	10/01/20 17:30	B0I0905	CS2	1	
<i>Surrogate: Decachlorobiphenyl</i>				Recovery: 94%		Limits: 10-139		10/01/20 17:30	B0I0905	CS2	1
<i>Surrogate: 2,4,5,6-Tetrachloro-m-xylene</i>				Recovery: 65%		Limits: 26-107		10/01/20 17:30	B0I0905	CS2	1



**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-8  
**Report Date:** 10/07/2020  
**Collection Date:** 09/24/2020 09:55  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-19

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF	
		Limit	Limit									
<b>Wet Chemistry</b>												
Method: SW9060												
Organic Carbon, Total	3.88	1.00			mg/L	0.400	0.800	10/07/20 00:23	B0J0227	TB2	1	
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>												
Method: SW8082A / SW3510												
Aroclor 1016	< 0.508	1.02			ug/L	0.215	0.508	10/01/20 17:47	B0I0902	CS2	1	
Aroclor 1221	< 0.508	0.609			ug/L	0.194	0.508	10/01/20 17:47	B0I0902	CS2	1	
Aroclor 1232	< 0.508	0.609			ug/L	0.165	0.508	10/01/20 17:47	B0I0902	CS2	1	
Aroclor 1242	< 1.02	2.03			ug/L	0.356	1.02	10/01/20 17:47	B0I0902	CS2	1	
Aroclor 1248	< 0.508	0.609			ug/L	0.162	0.508	10/01/20 17:47	B0I0902	CS2	1	
Aroclor 1254	< 0.508	0.609			ug/L	0.178	0.508	10/01/20 17:47	B0I0902	CS2	1	
Aroclor 1260	< 0.305	0.406			ug/L	0.114	0.305	10/01/20 17:47	B0I0902	CS2	1	
Total PCB	< 0.508	0.609			ug/L	0.194	0.508	10/01/20 17:47	B0I0902	CS2	1	
Surrogate: Decachlorobiphenyl					Recovery: 76%		Limits: 10-139		10/01/20 17:47	B0I0902	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene					Recovery: 60%		Limits: 26-107		10/01/20 17:47	B0I0902	CS2	1
<b>Volatile Organic Compounds by GC/MS</b>												
Method: SW8260B / SW5030												
1,1,1,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.706	2.00	09/29/20 20:06	B0I0944	WZZ	1	
1,1,1-Trichloroethane	< 2.00	4.00			ug/L	0.719	2.00	09/29/20 20:06	B0I0944	WZZ	1	
1,1,2,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.713	2.00	09/29/20 20:06	B0I0944	WZZ	1	
1,1,2-Trichloroethane	< 0.600	2.00			ug/L	0.198	0.600	09/29/20 20:06	B0I0944	WZZ	1	
1,1-Dichloroethane	< 2.00	4.00			ug/L	0.691	2.00	09/29/20 20:06	B0I0944	WZZ	1	
1,1-Dichloroethene	< 4.00	8.00			ug/L	1.10	4.00	09/29/20 20:06	B0I0944	WZZ	1	
1,1-Dichloropropene	< 1.00	2.00			ug/L	0.462	1.00	09/29/20 20:06	B0I0944	WZZ	1	
1,2,3-Trichlorobenzene	< 0.600	2.00			ug/L	0.199	0.600	09/29/20 20:06	B0I0944	WZZ	1	
1,2,3-Trichloropropane	< 2.00	4.00			ug/L	0.598	2.00	09/29/20 20:06	B0I0944	WZZ	1	
1,2,4-Trimethylbenzene	< 2.00	4.00			ug/L	0.753	2.00	09/29/20 20:06	B0I0944	WZZ	1	
1,2-Dibromo-3-chloropropane	< 4.00	8.00			ug/L	1.22	4.00	09/29/20 20:06	B0I0944	WZZ	1	
1,2-Dibromoethane	< 1.00	2.00			ug/L	0.420	1.00	09/29/20 20:06	B0I0944	WZZ	1	
1,2-Dichloroethane	< 2.00	4.00			ug/L	0.731	2.00	09/29/20 20:06	B0I0944	WZZ	1	
1,2-Dichloropropane	< 2.00	4.00			ug/L	0.557	2.00	09/29/20 20:06	B0I0944	WZZ	1	
1,3,5-Trimethylbenzene	< 1.00	2.00			ug/L	0.351	1.00	09/29/20 20:06	B0I0944	WZZ	1	
1,3-Dichloropropane	< 1.00	2.00			ug/L	0.345	1.00	09/29/20 20:06	B0I0944	WZZ	1	
2,2-Dichloropropane	< 4.00	8.00			ug/L	1.03	4.00	09/29/20 20:06	B0I0944	WZZ	1	
2-Butanone	< 14.0	28.0			ug/L	4.79	14.0	09/29/20 20:06	B0I0944	WZZ	1	
2-Chlorotoluene	< 1.00	2.00			ug/L	0.384	1.00	09/29/20 20:06	B0I0944	WZZ	1	
2-Hexanone	< 14.0	28.0			ug/L	4.74	14.0	09/29/20 20:06	B0I0944	WZZ	1	
4-Isopropyltoluene	< 2.00	4.00			ug/L	0.930	2.00	09/29/20 20:06	B0I0944	WZZ	1	
4-Methyl-2-pentanone	< 14.0	28.0			ug/L	4.40	14.0	09/29/20 20:06	B0I0944	WZZ	1	
Acetone	< 28.0	70.0	Q, S1		ug/L	9.21	28.0	09/29/20 20:06	B0I0944	WZZ	1	
Benzene	< 1.00	2.00			ug/L	0.362	1.00	09/29/20 20:06	B0I0944	WZZ	1	
Bromobenzene	< 1.00	2.00			ug/L	0.354	1.00	09/29/20 20:06	B0I0944	WZZ	1	

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-8  
**Report Date:** 10/07/2020  
**Collection Date:** 09/24/2020 09:55  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-19 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Volatile Organic Compounds by GC/MS (Continued)</b>										
Method: SW8260B / SW5030 (Continued)										
Bromochloromethane	< 2.00	4.00		ug/L	0.861	2.00	09/29/20 20:06	B0I0944	WZZ	1
Bromodichloromethane	< 1.00	2.00		ug/L	0.458	1.00	09/29/20 20:06	B0I0944	WZZ	1
Bromoform	< 2.00	4.00		ug/L	0.570	2.00	09/29/20 20:06	B0I0944	WZZ	1
Bromomethane	< 4.00	8.00		ug/L	1.61	4.00	09/29/20 20:06	B0I0944	WZZ	1
Carbon disulfide	< 2.00	4.00		ug/L	0.739	2.00	09/29/20 20:06	B0I0944	WZZ	1
Carbon tetrachloride	< 2.00	4.00		ug/L	0.710	2.00	09/29/20 20:06	B0I0944	WZZ	1
Chlorobenzene	< 0.600	2.00		ug/L	0.170	0.600	09/29/20 20:06	B0I0944	WZZ	1
Chloroethane	< 2.00	4.00		ug/L	0.621	2.00	09/29/20 20:06	B0I0944	WZZ	1
Chloroform	< 4.00	8.00		ug/L	1.06	4.00	09/29/20 20:06	B0I0944	WZZ	1
Chloromethane	< 4.00	8.00		ug/L	1.30	4.00	09/29/20 20:06	B0I0944	WZZ	1
cis-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.652	2.00	09/29/20 20:06	B0I0944	WZZ	1
cis-1,3-Dichloropropene	< 2.00	4.00		ug/L	0.408	2.00	09/29/20 20:06	B0I0944	WZZ	1
Cyclohexane	< 1.00	2.00		ug/L	0.325	1.00	09/29/20 20:06	B0I0944	WZZ	1
Dibromochloromethane	< 2.00	4.00		ug/L	0.632	2.00	09/29/20 20:06	B0I0944	WZZ	1
Dibromomethane	< 1.00	2.00		ug/L	0.390	1.00	09/29/20 20:06	B0I0944	WZZ	1
Dichlorodifluoromethane	< 0.600	2.00		ug/L	0.186	0.600	09/29/20 20:06	B0I0944	WZZ	1
Ethylbenzene	< 1.00	2.00		ug/L	0.268	1.00	09/29/20 20:06	B0I0944	WZZ	1
Isopropylbenzene	< 1.00	2.00		ug/L	0.312	1.00	09/29/20 20:06	B0I0944	WZZ	1
m,p-Xylene	< 4.00	8.00		ug/L	1.58	4.00	09/29/20 20:06	B0I0944	WZZ	1
Methyl tert-butyl ether	< 2.00	4.00		ug/L	0.838	2.00	09/29/20 20:06	B0I0944	WZZ	1
Methylene chloride	< 4.00	8.00		ug/L	1.02	4.00	09/29/20 20:06	B0I0944	WZZ	1
n-Butylbenzene	< 1.00	2.00		ug/L	0.295	1.00	09/29/20 20:06	B0I0944	WZZ	1
n-Propylbenzene	< 1.00	2.00		ug/L	0.289	1.00	09/29/20 20:06	B0I0944	WZZ	1
o-Xylene	< 1.00	2.00		ug/L	0.324	1.00	09/29/20 20:06	B0I0944	WZZ	1
sec-Butylbenzene	< 0.600	2.00		ug/L	0.223	0.600	09/29/20 20:06	B0I0944	WZZ	1
Styrene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 20:06	B0I0944	WZZ	1
tert-Butylbenzene	< 2.00	4.00		ug/L	0.800	2.00	09/29/20 20:06	B0I0944	WZZ	1
Tetrachloroethene	< 2.00	4.00		ug/L	0.646	2.00	09/29/20 20:06	B0I0944	WZZ	1
Toluene	< 2.00	4.00		ug/L	0.510	2.00	09/29/20 20:06	B0I0944	WZZ	1
trans-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.566	2.00	09/29/20 20:06	B0I0944	WZZ	1
trans-1,3-Dichloropropene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 20:06	B0I0944	WZZ	1
Trichloroethene	< 2.00	4.00		ug/L	0.939	2.00	09/29/20 20:06	B0I0944	WZZ	1
Trichlorofluoromethane	< 2.00	4.00		ug/L	0.503	2.00	09/29/20 20:06	B0I0944	WZZ	1
Vinyl chloride	< 2.00	4.00		ug/L	0.582	2.00	09/29/20 20:06	B0I0944	WZZ	1
Xylenes, Total	< 6.00	12.0		ug/L	1.62	6.00	09/29/20 20:06	B0I0944	WZZ	1
<i>Surrogate: Dibromofluoromethane</i>				<i>Recovery: 99%</i>	<i>Limits: 84-137</i>		<i>09/29/20 20:06</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>				<i>Recovery: 102%</i>	<i>Limits: 74-140</i>		<i>09/29/20 20:06</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Fluorobenzene</i>				<i>Recovery: 99%</i>	<i>Limits: 90-105</i>		<i>09/29/20 20:06</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Toluene-d8</i>				<i>Recovery: 101%</i>	<i>Limits: 74-109</i>		<i>09/29/20 20:06</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 4-Bromofluorobenzene</i>				<i>Recovery: 101%</i>	<i>Limits: 86-128</i>		<i>09/29/20 20:06</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>				<i>Recovery: 102%</i>	<i>Limits: 90-128</i>		<i>09/29/20 20:06</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-8  
**Report Date:** 10/07/2020  
**Collection Date:** 09/24/2020 09:55  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-19 (Continued)

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Limit								
<b>Semivolatile Organic Compounds by GC/MS</b>											
Method: SW8270D / SW3510											
1,2,4-Trichlorobenzene	< 1.03	2.07			ug/L	0.289	1.03	09/30/20 10:55	B0I0881	CP1	1
1,2-Dichlorobenzene	< 1.03	2.07			ug/L	0.310	1.03	09/30/20 10:55	B0I0881	CP1	1
1,3-Dichlorobenzene	< 1.03	2.07			ug/L	0.320	1.03	09/30/20 10:55	B0I0881	CP1	1
1,4-Dichlorobenzene	< 1.03	2.07			ug/L	0.289	1.03	09/30/20 10:55	B0I0881	CP1	1
2,4,5-Trichlorophenol	< 0.517	1.03			ug/L	0.134	0.517	09/30/20 10:55	B0I0881	CP1	1
2,4,6-Trichlorophenol	< 0.517	1.03			ug/L	0.252	0.517	09/30/20 10:55	B0I0881	CP1	1
2,4-Dichlorophenol	< 0.517	1.03			ug/L	0.0814	0.517	09/30/20 10:55	B0I0881	CP1	1
2,4-Dimethylphenol	< 1.03	2.07			ug/L	0.121	1.03	09/30/20 10:55	B0I0881	CP1	1
2,4-Dinitrophenol	< 10.3	31.0			ug/L	3.42	10.3	09/30/20 10:55	B0I0881	CP1	1
2,4-Dinitrotoluene	< 1.03	2.07			ug/L	0.260	1.03	09/30/20 10:55	B0I0881	CP1	1
2,6-Dinitrotoluene	< 0.517	1.03			ug/L	0.237	0.517	09/30/20 10:55	B0I0881	CP1	1
2-Chloronaphthalene	< 0.310	0.620			ug/L	0.109	0.310	09/30/20 10:55	B0I0881	CP1	1
2-Chlorophenol	< 0.517	1.03			ug/L	0.158	0.517	09/30/20 10:55	B0I0881	CP1	1
2-Methylnaphthalene	< 2.07	4.13			ug/L	0.661	2.07	09/30/20 10:55	B0I0881	CP1	1
2-Methylphenol	< 0.517	1.03			ug/L	0.189	0.517	09/30/20 10:55	B0I0881	CP1	1
2-Nitroaniline	< 10.3	31.0			ug/L	2.65	10.3	09/30/20 10:55	B0I0881	CP1	1
2-Nitrophenol	< 0.517	1.03			ug/L	0.216	0.517	09/30/20 10:55	B0I0881	CP1	1
3,3'-Dichlorobenzidine	< 10.3	20.7			ug/L	3.27	10.3	09/30/20 10:55	B0I0881	CP1	1
3 & 4-Methylphenol	< 0.517	1.03			ug/L	0.185	0.517	09/30/20 10:55	B0I0881	CP1	1
3-Nitroaniline	< 1.03	2.07			ug/L	0.372	1.03	09/30/20 10:55	B0I0881	CP1	1
4,6-Dinitro-2-methylphenol	< 5.17	15.5			ug/L	2.53	5.17	09/30/20 10:55	B0I0881	CP1	1
4-Bromophenyl-phenylether	< 0.517	1.03			ug/L	0.165	0.517	09/30/20 10:55	B0I0881	CP1	1
4-Chloro-3-methylphenol	< 0.207	0.517			ug/L	0.0737	0.207	09/30/20 10:55	B0I0881	CP1	1
4-Chloroaniline	< 0.310	0.620			ug/L	0.110	0.310	09/30/20 10:55	B0I0881	CP1	1
4-Chlorophenyl-phenylether	< 0.517	1.03			ug/L	0.151	0.517	09/30/20 10:55	B0I0881	CP1	1
4-Nitroaniline	< 10.3	31.0			ug/L	3.90	10.3	09/30/20 10:55	B0I0881	CP1	1
4-Nitrophenol	< 5.17	15.5			ug/L	1.49	5.17	09/30/20 10:55	B0I0881	CP1	1
Acenaphthene	< 0.310	0.620			ug/L	0.107	0.310	09/30/20 10:55	B0I0881	CP1	1
Acenaphthylene	< 0.310	0.620			ug/L	0.134	0.310	09/30/20 10:55	B0I0881	CP1	1
Anthracene	< 0.310	0.620			ug/L	0.115	0.310	09/30/20 10:55	B0I0881	CP1	1
Azobenzene as 1,2-Diphenylhydrazine	< 0.310	1.03			ug/L	0.0792	0.310	09/30/20 10:55	B0I0881	CP1	1
Benzidine	< 41.3	82.7			ug/L	17.1	41.3	09/30/20 10:55	B0I0881	CP1	1
Benzo(a)anthracene	< 0.310	0.620			ug/L	0.127	0.310	09/30/20 10:55	B0I0881	CP1	1
Benzo(a)pyrene	< 1.03	2.07			ug/L	0.388	1.03	09/30/20 10:55	B0I0881	CP1	1
Benzo(b)fluoranthene	< 1.03	2.07			ug/L	0.385	1.03	09/30/20 10:55	B0I0881	CP1	1
Benzo(g,h,i)perylene	< 1.03	2.07			ug/L	0.413	1.03	09/30/20 10:55	B0I0881	CP1	1
Benzo(k)fluoranthene	< 0.517	2.07			ug/L	0.257	0.517	09/30/20 10:55	B0I0881	CP1	1
Benzoic acid	< 24.8	41.3			ug/L	12.1	24.8	09/30/20 10:55	B0I0881	CP1	1
Benzyl alcohol	< 2.07	4.13			ug/L	0.568	2.07	09/30/20 10:55	B0I0881	CP1	1
Bis(2-chloroethoxy)methane	< 0.517	1.03			ug/L	0.140	0.517	09/30/20 10:55	B0I0881	CP1	1
Bis(2-chloroethyl)ether	< 0.517	1.03			ug/L	0.182	0.517	09/30/20 10:55	B0I0881	CP1	1
Bis(2-chloroisopropyl)ether	< 0.517	1.03			ug/L	0.133	0.517	09/30/20 10:55	B0I0881	CP1	1
Bis(2-ethylhexyl)phthalate	< 10.3	20.7			ug/L	3.75	10.3	09/30/20 10:55	B0I0881	CP1	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-8  
**Report Date:** 10/07/2020  
**Collection Date:** 09/24/2020 09:55  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-19 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Semivolatile Organic Compounds by GC/MS (Continued)</b>										
Method: SW8270D / SW3510 (Continued)										
Butyl benzyl phthalate	< 0.517	1.03		ug/L	0.242	0.517	09/30/20 10:55	B0I0881	CP1	1
Carbazole	< 0.517	1.03		ug/L	0.179	0.517	09/30/20 10:55	B0I0881	CP1	1
Chrysene	< 0.310	0.620		ug/L	0.131	0.310	09/30/20 10:55	B0I0881	CP1	1
Dibenzo(a,h)anthracene	< 1.03	2.07		ug/L	0.456	1.03	09/30/20 10:55	B0I0881	CP1	1
Dibenzofuran	< 0.310	0.620		ug/L	0.127	0.310	09/30/20 10:55	B0I0881	CP1	1
Diethyl phthalate	< 3.10	6.20		ug/L	1.20	3.10	09/30/20 10:55	B0I0881	CP1	1
Dimethyl phthalate	< 0.310	0.620		ug/L	0.0912	0.310	09/30/20 10:55	B0I0881	CP1	1
Di-n-butyl phthalate	< 6.20	10.3		ug/L	2.98	6.20	09/30/20 10:55	B0I0881	CP1	1
Di-n-octyl phthalate	< 5.17	10.3		ug/L	1.95	5.17	09/30/20 10:55	B0I0881	CP1	1
Fluoranthene	< 0.517	1.03		ug/L	0.203	0.517	09/30/20 10:55	B0I0881	CP1	1
Fluorene	< 0.310	0.620		ug/L	0.128	0.310	09/30/20 10:55	B0I0881	CP1	1
Hexachlorobenzene	< 0.517	1.03		ug/L	0.170	0.517	09/30/20 10:55	B0I0881	CP1	1
Hexachlorobutadiene	< 0.517	1.03		ug/L	0.258	0.517	09/30/20 10:55	B0I0881	CP1	1
Hexachlorocyclopentadiene	< 5.17	15.5		ug/L	2.26	5.17	09/30/20 10:55	B0I0881	CP1	1
Hexachloroethane	< 0.517	1.03		ug/L	0.227	0.517	09/30/20 10:55	B0I0881	CP1	1
Indeno(1,2,3-cd)pyrene	< 1.03	2.07		ug/L	0.519	1.03	09/30/20 10:55	B0I0881	CP1	1
Isophorone	< 0.310	0.620		ug/L	0.114	0.310	09/30/20 10:55	B0I0881	CP1	1
Naphthalene	< 2.07	4.13		ug/L	0.843	2.07	09/30/20 10:55	B0I0881	CP1	1
Nitrobenzene	< 0.310	0.620		ug/L	0.144	0.310	09/30/20 10:55	B0I0881	CP1	1
N-Nitrosodimethylamine	< 0.517	1.03		ug/L	0.161	0.517	09/30/20 10:55	B0I0881	CP1	1
N-Nitrosodi-n-propylamine	< 1.03	2.07		ug/L	0.329	1.03	09/30/20 10:55	B0I0881	CP1	1
N-Nitrosodiphenylamine	< 0.310	0.620		ug/L	0.107	0.310	09/30/20 10:55	B0I0881	CP1	1
Pentachlorophenol	< 10.3	31.0		ug/L	2.61	10.3	09/30/20 10:55	B0I0881	CP1	1
Phenanthrene	< 0.517	1.03		ug/L	0.213	0.517	09/30/20 10:55	B0I0881	CP1	1
Phenol	< 0.517	1.03		ug/L	0.176	0.517	09/30/20 10:55	B0I0881	CP1	1
Pyrene	< 0.517	1.03		ug/L	0.215	0.517	09/30/20 10:55	B0I0881	CP1	1
Surrogate: 2-Fluorophenol				Recovery: 33%	Limits: 10-88		09/30/20 10:55	B0I0881	CP1	1
Surrogate: Phenol-d5				Recovery: 27%	Limits: 10-65		09/30/20 10:55	B0I0881	CP1	1
Surrogate: Nitrobenzene-d5				Recovery: 75%	Limits: 25-128		09/30/20 10:55	B0I0881	CP1	1
Surrogate: 2-Fluorobiphenyl				Recovery: 71%	Limits: 24-114		09/30/20 10:55	B0I0881	CP1	1
Surrogate: 2,4,6-Tribromophenol				Recovery: 79%	Limits: 15-119		09/30/20 10:55	B0I0881	CP1	1
Surrogate: 4-Terphenyl-d14				Recovery: 98%	Limits: 29-129		09/30/20 10:55	B0I0881	CP1	1

**Subcontracted Analyses**

Method: SW8260-SIM Modified / SW5030

1,4-Dioxane	< 0.200	0.500		ug/L	0.0625	0.200	10/02/20 16:32	B0J0077	CP1	1
Surrogate: Toluene-d8				Recovery: 104%	Limits: 80-120		10/02/20 16:32	B0J0077	CP1	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-8  
**Report Date:** 10/07/2020  
**Collection Date:** 09/24/2020 09:55  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-20

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF	
		Limit	Qual								
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>											
Method: SW8082A / SW3510											
Aroclor 1016	< 0.508	1.02		ug/L	0.216	0.508	10/01/20 17:47	B0I0905	CS2	1	
Aroclor 1221	< 0.508	0.610		ug/L	0.195	0.508	10/01/20 17:47	B0I0905	CS2	1	
Aroclor 1232	< 0.508	0.610		ug/L	0.165	0.508	10/01/20 17:47	B0I0905	CS2	1	
Aroclor 1242	< 1.02	2.03		ug/L	0.356	1.02	10/01/20 17:47	B0I0905	CS2	1	
Aroclor 1248	< 0.508	0.610		ug/L	0.162	0.508	10/01/20 17:47	B0I0905	CS2	1	
Aroclor 1254	< 0.508	0.610		ug/L	0.179	0.508	10/01/20 17:47	B0I0905	CS2	1	
Aroclor 1260	< 0.305	0.407		ug/L	0.114	0.305	10/01/20 17:47	B0I0905	CS2	1	
Total PCB	< 0.508	0.610		ug/L	0.195	0.508	10/01/20 17:47	B0I0905	CS2	1	
<i>Surrogate: Decachlorobiphenyl</i>				Recovery: 87%		Limits: 10-139		10/01/20 17:47	B0I0905	CS2	1
<i>Surrogate: 2,4,5,6-Tetrachloro-m-xylene</i>				Recovery: 61%		Limits: 26-107		10/01/20 17:47	B0I0905	CS2	1



**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-9  
**Report Date:** 10/07/2020  
**Collection Date:** 09/24/2020 11:55  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-21

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Limit								
<b>Wet Chemistry</b>											
Method: SW9060											
Organic Carbon, Total	3.85	1.00			mg/L	0.400	0.800	10/07/20 00:40	B0J0227	TB2	1
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>											
Method: SW8082A / SW3510											
Aroclor 1016	< 0.515	1.03			ug/L	0.219	0.515	10/01/20 18:04	B0I0902	CS2	1
Aroclor 1221	< 0.515	0.618			ug/L	0.197	0.515	10/01/20 18:04	B0I0902	CS2	1
Aroclor 1232	< 0.515	0.618			ug/L	0.167	0.515	10/01/20 18:04	B0I0902	CS2	1
Aroclor 1242	< 1.03	2.06			ug/L	0.361	1.03	10/01/20 18:04	B0I0902	CS2	1
Aroclor 1248	< 0.515	0.618			ug/L	0.165	0.515	10/01/20 18:04	B0I0902	CS2	1
Aroclor 1254	< 0.515	0.618			ug/L	0.181	0.515	10/01/20 18:04	B0I0902	CS2	1
Aroclor 1260	< 0.309	0.412			ug/L	0.116	0.309	10/01/20 18:04	B0I0902	CS2	1
Total PCB	< 0.515	0.618			ug/L	0.197	0.515	10/01/20 18:04	B0I0902	CS2	1
Surrogate: Decachlorobiphenyl					Recovery: 77%	Limits: 10-139		10/01/20 18:04	B0I0902	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene					Recovery: 62%	Limits: 26-107		10/01/20 18:04	B0I0902	CS2	1
<b>Volatile Organic Compounds by GC/MS</b>											
Method: SW8260B / SW5030											
1,1,1,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.706	2.00	09/29/20 20:31	B0I0944	WZZ	1
1,1,1-Trichloroethane	< 2.00	4.00			ug/L	0.719	2.00	09/29/20 20:31	B0I0944	WZZ	1
1,1,2,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.713	2.00	09/29/20 20:31	B0I0944	WZZ	1
1,1,2-Trichloroethane	< 0.600	2.00			ug/L	0.198	0.600	09/29/20 20:31	B0I0944	WZZ	1
1,1-Dichloroethane	< 2.00	4.00			ug/L	0.691	2.00	09/29/20 20:31	B0I0944	WZZ	1
1,1-Dichloroethene	< 4.00	8.00			ug/L	1.10	4.00	09/29/20 20:31	B0I0944	WZZ	1
1,1-Dichloropropene	< 1.00	2.00			ug/L	0.462	1.00	09/29/20 20:31	B0I0944	WZZ	1
1,2,3-Trichlorobenzene	< 0.600	2.00			ug/L	0.199	0.600	09/29/20 20:31	B0I0944	WZZ	1
1,2,3-Trichloropropane	< 2.00	4.00			ug/L	0.598	2.00	09/29/20 20:31	B0I0944	WZZ	1
1,2,4-Trimethylbenzene	< 2.00	4.00			ug/L	0.753	2.00	09/29/20 20:31	B0I0944	WZZ	1
1,2-Dibromo-3-chloropropane	< 4.00	8.00			ug/L	1.22	4.00	09/29/20 20:31	B0I0944	WZZ	1
1,2-Dibromoethane	< 1.00	2.00			ug/L	0.420	1.00	09/29/20 20:31	B0I0944	WZZ	1
1,2-Dichloroethane	< 2.00	4.00			ug/L	0.731	2.00	09/29/20 20:31	B0I0944	WZZ	1
1,2-Dichloropropane	< 2.00	4.00			ug/L	0.557	2.00	09/29/20 20:31	B0I0944	WZZ	1
1,3,5-Trimethylbenzene	< 1.00	2.00			ug/L	0.351	1.00	09/29/20 20:31	B0I0944	WZZ	1
1,3-Dichloropropane	< 1.00	2.00			ug/L	0.345	1.00	09/29/20 20:31	B0I0944	WZZ	1
2,2-Dichloropropane	< 4.00	8.00			ug/L	1.03	4.00	09/29/20 20:31	B0I0944	WZZ	1
2-Butanone	< 14.0	28.0			ug/L	4.79	14.0	09/29/20 20:31	B0I0944	WZZ	1
2-Chlorotoluene	< 1.00	2.00			ug/L	0.384	1.00	09/29/20 20:31	B0I0944	WZZ	1
2-Hexanone	< 14.0	28.0			ug/L	4.74	14.0	09/29/20 20:31	B0I0944	WZZ	1
4-Isopropyltoluene	< 2.00	4.00			ug/L	0.930	2.00	09/29/20 20:31	B0I0944	WZZ	1
4-Methyl-2-pentanone	< 14.0	28.0			ug/L	4.40	14.0	09/29/20 20:31	B0I0944	WZZ	1
Acetone	< 28.0	70.0	Q, S1		ug/L	9.21	28.0	09/29/20 20:31	B0I0944	WZZ	1
Benzene	< 1.00	2.00			ug/L	0.362	1.00	09/29/20 20:31	B0I0944	WZZ	1
Bromobenzene	< 1.00	2.00			ug/L	0.354	1.00	09/29/20 20:31	B0I0944	WZZ	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-9  
**Report Date:** 10/07/2020  
**Collection Date:** 09/24/2020 11:55  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-21 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Volatile Organic Compounds by GC/MS (Continued)</b>										
Method: SW8260B / SW5030 (Continued)										
Bromochloromethane	< 2.00	4.00		ug/L	0.861	2.00	09/29/20 20:31	B0I0944	WZZ	1
Bromodichloromethane	< 1.00	2.00		ug/L	0.458	1.00	09/29/20 20:31	B0I0944	WZZ	1
Bromoform	< 2.00	4.00		ug/L	0.570	2.00	09/29/20 20:31	B0I0944	WZZ	1
Bromomethane	< 4.00	8.00		ug/L	1.61	4.00	09/29/20 20:31	B0I0944	WZZ	1
Carbon disulfide	< 2.00	4.00		ug/L	0.739	2.00	09/29/20 20:31	B0I0944	WZZ	1
Carbon tetrachloride	< 2.00	4.00		ug/L	0.710	2.00	09/29/20 20:31	B0I0944	WZZ	1
Chlorobenzene	< 0.600	2.00		ug/L	0.170	0.600	09/29/20 20:31	B0I0944	WZZ	1
Chloroethane	< 2.00	4.00		ug/L	0.621	2.00	09/29/20 20:31	B0I0944	WZZ	1
Chloroform	< 4.00	8.00		ug/L	1.06	4.00	09/29/20 20:31	B0I0944	WZZ	1
Chloromethane	< 4.00	8.00		ug/L	1.30	4.00	09/29/20 20:31	B0I0944	WZZ	1
cis-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.652	2.00	09/29/20 20:31	B0I0944	WZZ	1
cis-1,3-Dichloropropene	< 2.00	4.00		ug/L	0.408	2.00	09/29/20 20:31	B0I0944	WZZ	1
Cyclohexane	< 1.00	2.00		ug/L	0.325	1.00	09/29/20 20:31	B0I0944	WZZ	1
Dibromochloromethane	< 2.00	4.00		ug/L	0.632	2.00	09/29/20 20:31	B0I0944	WZZ	1
Dibromomethane	< 1.00	2.00		ug/L	0.390	1.00	09/29/20 20:31	B0I0944	WZZ	1
Dichlorodifluoromethane	< 0.600	2.00		ug/L	0.186	0.600	09/29/20 20:31	B0I0944	WZZ	1
Ethylbenzene	< 1.00	2.00		ug/L	0.268	1.00	09/29/20 20:31	B0I0944	WZZ	1
Isopropylbenzene	< 1.00	2.00		ug/L	0.312	1.00	09/29/20 20:31	B0I0944	WZZ	1
m,p-Xylene	< 4.00	8.00		ug/L	1.58	4.00	09/29/20 20:31	B0I0944	WZZ	1
Methyl tert-butyl ether	< 2.00	4.00		ug/L	0.838	2.00	09/29/20 20:31	B0I0944	WZZ	1
Methylene chloride	< 4.00	8.00		ug/L	1.02	4.00	09/29/20 20:31	B0I0944	WZZ	1
n-Butylbenzene	< 1.00	2.00		ug/L	0.295	1.00	09/29/20 20:31	B0I0944	WZZ	1
n-Propylbenzene	< 1.00	2.00		ug/L	0.289	1.00	09/29/20 20:31	B0I0944	WZZ	1
o-Xylene	< 1.00	2.00		ug/L	0.324	1.00	09/29/20 20:31	B0I0944	WZZ	1
sec-Butylbenzene	< 0.600	2.00		ug/L	0.223	0.600	09/29/20 20:31	B0I0944	WZZ	1
Styrene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 20:31	B0I0944	WZZ	1
tert-Butylbenzene	< 2.00	4.00		ug/L	0.800	2.00	09/29/20 20:31	B0I0944	WZZ	1
Tetrachloroethene	< 2.00	4.00		ug/L	0.646	2.00	09/29/20 20:31	B0I0944	WZZ	1
Toluene	< 2.00	4.00		ug/L	0.510	2.00	09/29/20 20:31	B0I0944	WZZ	1
trans-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.566	2.00	09/29/20 20:31	B0I0944	WZZ	1
trans-1,3-Dichloropropene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 20:31	B0I0944	WZZ	1
Trichloroethene	< 2.00	4.00		ug/L	0.939	2.00	09/29/20 20:31	B0I0944	WZZ	1
Trichlorofluoromethane	< 2.00	4.00		ug/L	0.503	2.00	09/29/20 20:31	B0I0944	WZZ	1
Vinyl chloride	< 2.00	4.00		ug/L	0.582	2.00	09/29/20 20:31	B0I0944	WZZ	1
Xylenes, Total	< 6.00	12.0		ug/L	1.62	6.00	09/29/20 20:31	B0I0944	WZZ	1
<i>Surrogate: Dibromofluoromethane</i>				<i>Recovery: 105%</i>	<i>Limits: 84-137</i>		<i>09/29/20 20:31</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>				<i>Recovery: 107%</i>	<i>Limits: 74-140</i>		<i>09/29/20 20:31</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Fluorobenzene</i>				<i>Recovery: 101%</i>	<i>Limits: 90-105</i>		<i>09/29/20 20:31</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Toluene-d8</i>				<i>Recovery: 99%</i>	<i>Limits: 74-109</i>		<i>09/29/20 20:31</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 4-Bromofluorobenzene</i>				<i>Recovery: 91%</i>	<i>Limits: 86-128</i>		<i>09/29/20 20:31</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>				<i>Recovery: 97%</i>	<i>Limits: 90-128</i>		<i>09/29/20 20:31</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-9  
**Report Date:** 10/07/2020  
**Collection Date:** 09/24/2020 11:55  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-21 (Continued)

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Limit								
<b>Semivolatile Organic Compounds by GC/MS</b>											
<b>Method: SW8270D / SW3510</b>											
1,2,4-Trichlorobenzene	< 1.02	2.05			ug/L	0.287	1.02	09/30/20 11:16	B0I0881	CP1	1
1,2-Dichlorobenzene	< 1.02	2.05			ug/L	0.307	1.02	09/30/20 11:16	B0I0881	CP1	1
1,3-Dichlorobenzene	< 1.02	2.05			ug/L	0.317	1.02	09/30/20 11:16	B0I0881	CP1	1
1,4-Dichlorobenzene	< 1.02	2.05			ug/L	0.287	1.02	09/30/20 11:16	B0I0881	CP1	1
2,4,5-Trichlorophenol	< 0.512	1.02			ug/L	0.132	0.512	09/30/20 11:16	B0I0881	CP1	1
2,4,6-Trichlorophenol	< 0.512	1.02			ug/L	0.249	0.512	09/30/20 11:16	B0I0881	CP1	1
2,4-Dichlorophenol	< 0.512	1.02			ug/L	0.0806	0.512	09/30/20 11:16	B0I0881	CP1	1
2,4-Dimethylphenol	< 1.02	2.05			ug/L	0.120	1.02	09/30/20 11:16	B0I0881	CP1	1
2,4-Dinitrophenol	< 10.2	30.7			ug/L	3.39	10.2	09/30/20 11:16	B0I0881	CP1	1
2,4-Dinitrotoluene	< 1.02	2.05			ug/L	0.258	1.02	09/30/20 11:16	B0I0881	CP1	1
2,6-Dinitrotoluene	< 0.512	1.02			ug/L	0.235	0.512	09/30/20 11:16	B0I0881	CP1	1
2-Chloronaphthalene	< 0.307	0.614			ug/L	0.108	0.307	09/30/20 11:16	B0I0881	CP1	1
2-Chlorophenol	< 0.512	1.02			ug/L	0.157	0.512	09/30/20 11:16	B0I0881	CP1	1
2-Methylnaphthalene	< 2.05	4.09			ug/L	0.655	2.05	09/30/20 11:16	B0I0881	CP1	1
2-Methylphenol	< 0.512	1.02			ug/L	0.187	0.512	09/30/20 11:16	B0I0881	CP1	1
2-Nitroaniline	< 10.2	30.7			ug/L	2.62	10.2	09/30/20 11:16	B0I0881	CP1	1
2-Nitrophenol	< 0.512	1.02			ug/L	0.214	0.512	09/30/20 11:16	B0I0881	CP1	1
3,3'-Dichlorobenzidine	< 10.2	20.5			ug/L	3.24	10.2	09/30/20 11:16	B0I0881	CP1	1
3 & 4-Methylphenol	< 0.512	1.02			ug/L	0.183	0.512	09/30/20 11:16	B0I0881	CP1	1
3-Nitroaniline	< 1.02	2.05			ug/L	0.368	1.02	09/30/20 11:16	B0I0881	CP1	1
4,6-Dinitro-2-methylphenol	< 5.12	15.3			ug/L	2.51	5.12	09/30/20 11:16	B0I0881	CP1	1
4-Bromophenyl-phenylether	< 0.512	1.02			ug/L	0.164	0.512	09/30/20 11:16	B0I0881	CP1	1
4-Chloro-3-methylphenol	< 0.205	0.512			ug/L	0.0730	0.205	09/30/20 11:16	B0I0881	CP1	1
4-Chloroaniline	< 0.307	0.614			ug/L	0.109	0.307	09/30/20 11:16	B0I0881	CP1	1
4-Chlorophenyl-phenylether	< 0.512	1.02			ug/L	0.149	0.512	09/30/20 11:16	B0I0881	CP1	1
4-Nitroaniline	< 10.2	30.7			ug/L	3.86	10.2	09/30/20 11:16	B0I0881	CP1	1
4-Nitrophenol	< 5.12	15.3			ug/L	1.47	5.12	09/30/20 11:16	B0I0881	CP1	1
Acenaphthene	< 0.307	0.614			ug/L	0.106	0.307	09/30/20 11:16	B0I0881	CP1	1
Acenaphthylene	< 0.307	0.614			ug/L	0.133	0.307	09/30/20 11:16	B0I0881	CP1	1
Anthracene	< 0.307	0.614			ug/L	0.114	0.307	09/30/20 11:16	B0I0881	CP1	1
Azobenzene as 1,2-Diphenylhydrazine	< 0.307	1.02			ug/L	0.0785	0.307	09/30/20 11:16	B0I0881	CP1	1
Benzidine	< 40.9	81.9			ug/L	17.0	40.9	09/30/20 11:16	B0I0881	CP1	1
Benzo(a)anthracene	< 0.307	0.614			ug/L	0.126	0.307	09/30/20 11:16	B0I0881	CP1	1
Benzo(a)pyrene	< 1.02	2.05			ug/L	0.384	1.02	09/30/20 11:16	B0I0881	CP1	1
Benzo(b)fluoranthene	< 1.02	2.05			ug/L	0.381	1.02	09/30/20 11:16	B0I0881	CP1	1
Benzo(g,h,i)perylene	< 1.02	2.05			ug/L	0.409	1.02	09/30/20 11:16	B0I0881	CP1	1
Benzo(k)fluoranthene	< 0.512	2.05			ug/L	0.255	0.512	09/30/20 11:16	B0I0881	CP1	1
Benzoic acid	< 24.6	40.9			ug/L	12.0	24.6	09/30/20 11:16	B0I0881	CP1	1
Benzyl alcohol	< 2.05	4.09			ug/L	0.563	2.05	09/30/20 11:16	B0I0881	CP1	1
Bis(2-chloroethoxy)methane	< 0.512	1.02			ug/L	0.138	0.512	09/30/20 11:16	B0I0881	CP1	1
Bis(2-chloroethyl)ether	< 0.512	1.02			ug/L	0.180	0.512	09/30/20 11:16	B0I0881	CP1	1
Bis(2-chloroisopropyl)ether	< 0.512	1.02			ug/L	0.131	0.512	09/30/20 11:16	B0I0881	CP1	1
Bis(2-ethylhexyl)phthalate	< 10.2	20.5			ug/L	3.71	10.2	09/30/20 11:16	B0I0881	CP1	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-9  
**Report Date:** 10/07/2020  
**Collection Date:** 09/24/2020 11:55  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-21 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Semivolatile Organic Compounds by GC/MS (Continued)</b>										
Method: SW8270D / SW3510 (Continued)										
Butyl benzyl phthalate	< 0.512	1.02		ug/L	0.239	0.512	09/30/20 11:16	B0I0881	CP1	1
Carbazole	< 0.512	1.02		ug/L	0.177	0.512	09/30/20 11:16	B0I0881	CP1	1
Chrysene	< 0.307	0.614		ug/L	0.130	0.307	09/30/20 11:16	B0I0881	CP1	1
Dibenzo(a,h)anthracene	< 1.02	2.05		ug/L	0.452	1.02	09/30/20 11:16	B0I0881	CP1	1
Dibenzofuran	< 0.307	0.614		ug/L	0.125	0.307	09/30/20 11:16	B0I0881	CP1	1
Diethyl phthalate	< 3.07	6.14		ug/L	1.19	3.07	09/30/20 11:16	B0I0881	CP1	1
Dimethyl phthalate	< 0.307	0.614		ug/L	0.0904	0.307	09/30/20 11:16	B0I0881	CP1	1
Di-n-butyl phthalate	< 6.14	10.2		ug/L	2.95	6.14	09/30/20 11:16	B0I0881	CP1	1
Di-n-octyl phthalate	< 5.12	10.2		ug/L	1.93	5.12	09/30/20 11:16	B0I0881	CP1	1
Fluoranthene	< 0.512	1.02		ug/L	0.201	0.512	09/30/20 11:16	B0I0881	CP1	1
Fluorene	< 0.307	0.614		ug/L	0.127	0.307	09/30/20 11:16	B0I0881	CP1	1
Hexachlorobenzene	< 0.512	1.02		ug/L	0.169	0.512	09/30/20 11:16	B0I0881	CP1	1
Hexachlorobutadiene	< 0.512	1.02		ug/L	0.256	0.512	09/30/20 11:16	B0I0881	CP1	1
Hexachlorocyclopentadiene	< 5.12	15.3		ug/L	2.24	5.12	09/30/20 11:16	B0I0881	CP1	1
Hexachloroethane	< 0.512	1.02		ug/L	0.225	0.512	09/30/20 11:16	B0I0881	CP1	1
Indeno(1,2,3-cd)pyrene	< 1.02	2.05		ug/L	0.514	1.02	09/30/20 11:16	B0I0881	CP1	1
Isophorone	< 0.307	0.614		ug/L	0.113	0.307	09/30/20 11:16	B0I0881	CP1	1
Naphthalene	< 2.05	4.09		ug/L	0.835	2.05	09/30/20 11:16	B0I0881	CP1	1
Nitrobenzene	< 0.307	0.614		ug/L	0.143	0.307	09/30/20 11:16	B0I0881	CP1	1
N-Nitrosodimethylamine	< 0.512	1.02		ug/L	0.159	0.512	09/30/20 11:16	B0I0881	CP1	1
N-Nitrosodi-n-propylamine	< 1.02	2.05		ug/L	0.326	1.02	09/30/20 11:16	B0I0881	CP1	1
N-Nitrosodiphenylamine	< 0.307	0.614		ug/L	0.106	0.307	09/30/20 11:16	B0I0881	CP1	1
Pentachlorophenol	< 10.2	30.7		ug/L	2.58	10.2	09/30/20 11:16	B0I0881	CP1	1
Phenanthrene	< 0.512	1.02		ug/L	0.211	0.512	09/30/20 11:16	B0I0881	CP1	1
Phenol	< 0.512	1.02		ug/L	0.175	0.512	09/30/20 11:16	B0I0881	CP1	1
Pyrene	< 0.512	1.02		ug/L	0.213	0.512	09/30/20 11:16	B0I0881	CP1	1
Surrogate: 2-Fluorophenol										
					Recovery: 34%	Limits: 10-88	09/30/20 11:16	B0I0881	CP1	1
Surrogate: Phenol-d5					Recovery: 26%	Limits: 10-65	09/30/20 11:16	B0I0881	CP1	1
Surrogate: Nitrobenzene-d5					Recovery: 56%	Limits: 25-128	09/30/20 11:16	B0I0881	CP1	1
Surrogate: 2-Fluorobiphenyl					Recovery: 51%	Limits: 24-114	09/30/20 11:16	B0I0881	CP1	1
Surrogate: 2,4,6-Tribromophenol					Recovery: 54%	Limits: 15-119	09/30/20 11:16	B0I0881	CP1	1
Surrogate: 4-Terphenyl-d14					Recovery: 68%	Limits: 29-129	09/30/20 11:16	B0I0881	CP1	1

**Subcontracted Analyses**

Method: SW8260-SIM Modified / SW5030

1,4-Dioxane	< 0.200	0.500		ug/L	0.0625	0.200	10/02/20 16:56	B0J0077	CP1	1
Surrogate: Toluene-d8					Recovery: 114%	Limits: 80-120	10/02/20 16:56	B0J0077	CP1	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-9  
**Report Date:** 10/07/2020  
**Collection Date:** 09/24/2020 11:55  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-22

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF	
		Limit										
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>												
Method: SW8082A / SW3510												
Aroclor 1016	< 0.518	1.04			ug/L	0.220	0.518	10/01/20 18:04	B0I0905	CS2	1	
Aroclor 1221	< 0.518	0.622			ug/L	0.198	0.518	10/01/20 18:04	B0I0905	CS2	1	
Aroclor 1232	< 0.518	0.622			ug/L	0.168	0.518	10/01/20 18:04	B0I0905	CS2	1	
Aroclor 1242	< 1.04	2.07			ug/L	0.363	1.04	10/01/20 18:04	B0I0905	CS2	1	
Aroclor 1248	< 0.518	0.622			ug/L	0.166	0.518	10/01/20 18:04	B0I0905	CS2	1	
Aroclor 1254	< 0.518	0.622			ug/L	0.182	0.518	10/01/20 18:04	B0I0905	CS2	1	
Aroclor 1260	< 0.311	0.414			ug/L	0.116	0.311	10/01/20 18:04	B0I0905	CS2	1	
Total PCB	< 0.518	0.622			ug/L	0.198	0.518	10/01/20 18:04	B0I0905	CS2	1	
<i>Surrogate: Decachlorobiphenyl</i>					Recovery: 84%		Limits: 10-139		10/01/20 18:04	B0I0905	CS2	1
<i>Surrogate: 2,4,5,6-Tetrachloro-m-xylene</i>					Recovery: 63%		Limits: 26-107		10/01/20 18:04	B0I0905	CS2	1



**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** PZ-10  
**Report Date:** 10/07/2020  
**Collection Date:** 09/25/2020 08:25  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-23

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Wet Chemistry</b>										
Method: SW9060										
Organic Carbon, Total	2.13	1.00		mg/L	0.400	0.800	10/07/20 01:12	B0J0227	TB2	1
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>										
Method: SW8082A / SW3510										
Aroclor 1016	< 0.572	1.14		ug/L	0.243	0.572	10/01/20 18:21	B0I0902	CS2	1
Aroclor 1221	< 0.572	0.686		ug/L	0.219	0.572	10/01/20 18:21	B0I0902	CS2	1
Aroclor 1232	< 0.572	0.686		ug/L	0.185	0.572	10/01/20 18:21	B0I0902	CS2	1
Aroclor 1242	< 1.14	2.29		ug/L	0.401	1.14	10/01/20 18:21	B0I0902	CS2	1
Aroclor 1248	< 0.572	0.686		ug/L	0.183	0.572	10/01/20 18:21	B0I0902	CS2	1
Aroclor 1254	< 0.572	0.686		ug/L	0.201	0.572	10/01/20 18:21	B0I0902	CS2	1
Aroclor 1260	< 0.343	0.457		ug/L	0.128	0.343	10/01/20 18:21	B0I0902	CS2	1
Total PCB	< 0.572	0.686		ug/L	0.219	0.572	10/01/20 18:21	B0I0902	CS2	1
Surrogate: Decachlorobiphenyl				Recovery: 80%	Limits: 10-139		10/01/20 18:21	B0I0902	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene				Recovery: 63%	Limits: 26-107		10/01/20 18:21	B0I0902	CS2	1
<b>Volatile Organic Compounds by GC/MS</b>										
Method: SW8260B / SW5030										
1,1,1,2-Tetrachloroethane	< 2.00	4.00		ug/L	0.706	2.00	09/29/20 20:57	B0I0944	WZZ	1
1,1,1-Trichloroethane	< 2.00	4.00		ug/L	0.719	2.00	09/29/20 20:57	B0I0944	WZZ	1
1,1,2,2-Tetrachloroethane	< 2.00	4.00		ug/L	0.713	2.00	09/29/20 20:57	B0I0944	WZZ	1
1,1,2-Trichloroethane	< 0.600	2.00		ug/L	0.198	0.600	09/29/20 20:57	B0I0944	WZZ	1
1,1-Dichloroethane	< 2.00	4.00		ug/L	0.691	2.00	09/29/20 20:57	B0I0944	WZZ	1
1,1-Dichloroethene	< 4.00	8.00		ug/L	1.10	4.00	09/29/20 20:57	B0I0944	WZZ	1
1,1-Dichloropropene	< 1.00	2.00		ug/L	0.462	1.00	09/29/20 20:57	B0I0944	WZZ	1
1,2,3-Trichlorobenzene	< 0.600	2.00		ug/L	0.199	0.600	09/29/20 20:57	B0I0944	WZZ	1
1,2,3-Trichloropropane	< 2.00	4.00		ug/L	0.598	2.00	09/29/20 20:57	B0I0944	WZZ	1
1,2,4-Trimethylbenzene	< 2.00	4.00		ug/L	0.753	2.00	09/29/20 20:57	B0I0944	WZZ	1
1,2-Dibromo-3-chloropropane	< 4.00	8.00		ug/L	1.22	4.00	09/29/20 20:57	B0I0944	WZZ	1
1,2-Dibromoethane	< 1.00	2.00		ug/L	0.420	1.00	09/29/20 20:57	B0I0944	WZZ	1
1,2-Dichloroethane	< 2.00	4.00		ug/L	0.731	2.00	09/29/20 20:57	B0I0944	WZZ	1
1,2-Dichloropropane	< 2.00	4.00		ug/L	0.557	2.00	09/29/20 20:57	B0I0944	WZZ	1
1,3,5-Trimethylbenzene	< 1.00	2.00		ug/L	0.351	1.00	09/29/20 20:57	B0I0944	WZZ	1
1,3-Dichloropropane	< 1.00	2.00		ug/L	0.345	1.00	09/29/20 20:57	B0I0944	WZZ	1
2,2-Dichloropropane	< 4.00	8.00		ug/L	1.03	4.00	09/29/20 20:57	B0I0944	WZZ	1
2-Butanone	< 14.0	28.0		ug/L	4.79	14.0	09/29/20 20:57	B0I0944	WZZ	1
2-Chlorotoluene	< 1.00	2.00		ug/L	0.384	1.00	09/29/20 20:57	B0I0944	WZZ	1
2-Hexanone	< 14.0	28.0		ug/L	4.74	14.0	09/29/20 20:57	B0I0944	WZZ	1
4-Isopropyltoluene	< 2.00	4.00		ug/L	0.930	2.00	09/29/20 20:57	B0I0944	WZZ	1
4-Methyl-2-pentanone	< 14.0	28.0		ug/L	4.40	14.0	09/29/20 20:57	B0I0944	WZZ	1
Acetone	< 28.0	70.0	Q, S1	ug/L	9.21	28.0	09/29/20 20:57	B0I0944	WZZ	1
Benzene	< 1.00	2.00		ug/L	0.362	1.00	09/29/20 20:57	B0I0944	WZZ	1
Bromobenzene	< 1.00	2.00		ug/L	0.354	1.00	09/29/20 20:57	B0I0944	WZZ	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** PZ-10  
**Report Date:** 10/07/2020  
**Collection Date:** 09/25/2020 08:25  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-23 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Volatile Organic Compounds by GC/MS (Continued)</b>										
Method: SW8260B / SW5030 (Continued)										
Bromochloromethane	< 2.00	4.00		ug/L	0.861	2.00	09/29/20 20:57	B0I0944	WZZ	1
Bromodichloromethane	< 1.00	2.00		ug/L	0.458	1.00	09/29/20 20:57	B0I0944	WZZ	1
Bromoform	< 2.00	4.00		ug/L	0.570	2.00	09/29/20 20:57	B0I0944	WZZ	1
Bromomethane	< 4.00	8.00		ug/L	1.61	4.00	09/29/20 20:57	B0I0944	WZZ	1
Carbon disulfide	< 2.00	4.00		ug/L	0.739	2.00	09/29/20 20:57	B0I0944	WZZ	1
Carbon tetrachloride	< 2.00	4.00		ug/L	0.710	2.00	09/29/20 20:57	B0I0944	WZZ	1
Chlorobenzene	< 0.600	2.00		ug/L	0.170	0.600	09/29/20 20:57	B0I0944	WZZ	1
Chloroethane	< 2.00	4.00		ug/L	0.621	2.00	09/29/20 20:57	B0I0944	WZZ	1
Chloroform	< 4.00	8.00		ug/L	1.06	4.00	09/29/20 20:57	B0I0944	WZZ	1
Chloromethane	< 4.00	8.00		ug/L	1.30	4.00	09/29/20 20:57	B0I0944	WZZ	1
cis-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.652	2.00	09/29/20 20:57	B0I0944	WZZ	1
cis-1,3-Dichloropropene	< 2.00	4.00		ug/L	0.408	2.00	09/29/20 20:57	B0I0944	WZZ	1
Cyclohexane	< 1.00	2.00		ug/L	0.325	1.00	09/29/20 20:57	B0I0944	WZZ	1
Dibromochloromethane	< 2.00	4.00		ug/L	0.632	2.00	09/29/20 20:57	B0I0944	WZZ	1
Dibromomethane	< 1.00	2.00		ug/L	0.390	1.00	09/29/20 20:57	B0I0944	WZZ	1
Dichlorodifluoromethane	< 0.600	2.00		ug/L	0.186	0.600	09/29/20 20:57	B0I0944	WZZ	1
Ethylbenzene	< 1.00	2.00		ug/L	0.268	1.00	09/29/20 20:57	B0I0944	WZZ	1
Isopropylbenzene	< 1.00	2.00		ug/L	0.312	1.00	09/29/20 20:57	B0I0944	WZZ	1
m,p-Xylene	< 4.00	8.00		ug/L	1.58	4.00	09/29/20 20:57	B0I0944	WZZ	1
Methyl tert-butyl ether	< 2.00	4.00		ug/L	0.838	2.00	09/29/20 20:57	B0I0944	WZZ	1
Methylene chloride	< 4.00	8.00		ug/L	1.02	4.00	09/29/20 20:57	B0I0944	WZZ	1
n-Butylbenzene	< 1.00	2.00		ug/L	0.295	1.00	09/29/20 20:57	B0I0944	WZZ	1
n-Propylbenzene	< 1.00	2.00		ug/L	0.289	1.00	09/29/20 20:57	B0I0944	WZZ	1
o-Xylene	< 1.00	2.00		ug/L	0.324	1.00	09/29/20 20:57	B0I0944	WZZ	1
sec-Butylbenzene	< 0.600	2.00		ug/L	0.223	0.600	09/29/20 20:57	B0I0944	WZZ	1
Styrene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 20:57	B0I0944	WZZ	1
tert-Butylbenzene	< 2.00	4.00		ug/L	0.800	2.00	09/29/20 20:57	B0I0944	WZZ	1
Tetrachloroethene	< 2.00	4.00		ug/L	0.646	2.00	09/29/20 20:57	B0I0944	WZZ	1
Toluene	< 2.00	4.00		ug/L	0.510	2.00	09/29/20 20:57	B0I0944	WZZ	1
trans-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.566	2.00	09/29/20 20:57	B0I0944	WZZ	1
trans-1,3-Dichloropropene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 20:57	B0I0944	WZZ	1
Trichloroethene	< 2.00	4.00		ug/L	0.939	2.00	09/29/20 20:57	B0I0944	WZZ	1
Trichlorofluoromethane	< 2.00	4.00		ug/L	0.503	2.00	09/29/20 20:57	B0I0944	WZZ	1
Vinyl chloride	< 2.00	4.00		ug/L	0.582	2.00	09/29/20 20:57	B0I0944	WZZ	1
Xylenes, Total	< 6.00	12.0		ug/L	1.62	6.00	09/29/20 20:57	B0I0944	WZZ	1
<i>Surrogate: Dibromofluoromethane</i>					<i>Recovery: 99%</i>	<i>Limits: 84-137</i>	<i>09/29/20 20:57</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>					<i>Recovery: 98%</i>	<i>Limits: 74-140</i>	<i>09/29/20 20:57</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Fluorobenzene</i>					<i>Recovery: 99%</i>	<i>Limits: 90-105</i>	<i>09/29/20 20:57</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Toluene-d8</i>					<i>Recovery: 104%</i>	<i>Limits: 74-109</i>	<i>09/29/20 20:57</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 4-Bromofluorobenzene</i>					<i>Recovery: 98%</i>	<i>Limits: 86-128</i>	<i>09/29/20 20:57</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>					<i>Recovery: 98%</i>	<i>Limits: 90-128</i>	<i>09/29/20 20:57</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** PZ-10  
**Report Date:** 10/07/2020  
**Collection Date:** 09/25/2020 08:25  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-23 (Continued)

Analyses	Result	EMT		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Reporting Limit	Qual							
<b>Semivolatile Organic Compounds by GC/MS</b>										
Method: SW8270D / SW3510										
1,2,4-Trichlorobenzene	< 1.10	2.19		ug/L	0.307	1.10	09/30/20 11:37	B0I0881	CP1	1
1,2-Dichlorobenzene	< 1.10	2.19		ug/L	0.329	1.10	09/30/20 11:37	B0I0881	CP1	1
1,3-Dichlorobenzene	< 1.10	2.19		ug/L	0.340	1.10	09/30/20 11:37	B0I0881	CP1	1
1,4-Dichlorobenzene	< 1.10	2.19		ug/L	0.307	1.10	09/30/20 11:37	B0I0881	CP1	1
2,4,5-Trichlorophenol	< 0.549	1.10		ug/L	0.142	0.549	09/30/20 11:37	B0I0881	CP1	1
2,4,6-Trichlorophenol	< 0.549	1.10		ug/L	0.267	0.549	09/30/20 11:37	B0I0881	CP1	1
2,4-Dichlorophenol	< 0.549	1.10		ug/L	0.0865	0.549	09/30/20 11:37	B0I0881	CP1	1
2,4-Dimethylphenol	< 1.10	2.19		ug/L	0.129	1.10	09/30/20 11:37	B0I0881	CP1	1
2,4-Dinitrophenol	< 11.0	32.9		ug/L	3.63	11.0	09/30/20 11:37	B0I0881	CP1	1
2,4-Dinitrotoluene	< 1.10	2.19		ug/L	0.276	1.10	09/30/20 11:37	B0I0881	CP1	1
2,6-Dinitrotoluene	< 0.549	1.10		ug/L	0.252	0.549	09/30/20 11:37	B0I0881	CP1	1
2-Chloronaphthalene	< 0.329	0.658		ug/L	0.116	0.329	09/30/20 11:37	B0I0881	CP1	1
2-Chlorophenol	< 0.549	1.10		ug/L	0.168	0.549	09/30/20 11:37	B0I0881	CP1	1
2-Methylnaphthalene	< 2.19	4.39		ug/L	0.702	2.19	09/30/20 11:37	B0I0881	CP1	1
2-Methylphenol	< 0.549	1.10		ug/L	0.201	0.549	09/30/20 11:37	B0I0881	CP1	1
2-Nitroaniline	< 11.0	32.9		ug/L	2.81	11.0	09/30/20 11:37	B0I0881	CP1	1
2-Nitrophenol	< 0.549	1.10		ug/L	0.230	0.549	09/30/20 11:37	B0I0881	CP1	1
3,3'-Dichlorobenzidine	< 11.0	21.9		ug/L	3.47	11.0	09/30/20 11:37	B0I0881	CP1	1
3 & 4-Methylphenol	< 0.549	1.10		ug/L	0.197	0.549	09/30/20 11:37	B0I0881	CP1	1
3-Nitroaniline	< 1.10	2.19		ug/L	0.395	1.10	09/30/20 11:37	B0I0881	CP1	1
4,6-Dinitro-2-methylphenol	< 5.49	16.5		ug/L	2.69	5.49	09/30/20 11:37	B0I0881	CP1	1
4-Bromophenyl-phenylether	< 0.549	1.10		ug/L	0.176	0.549	09/30/20 11:37	B0I0881	CP1	1
4-Chloro-3-methylphenol	< 0.219	0.549		ug/L	0.0782	0.219	09/30/20 11:37	B0I0881	CP1	1
4-Chloroaniline	< 0.329	0.658		ug/L	0.117	0.329	09/30/20 11:37	B0I0881	CP1	1
4-Chlorophenyl-phenylether	< 0.549	1.10		ug/L	0.160	0.549	09/30/20 11:37	B0I0881	CP1	1
4-Nitroaniline	< 11.0	32.9		ug/L	4.14	11.0	09/30/20 11:37	B0I0881	CP1	1
4-Nitrophenol	< 5.49	16.5		ug/L	1.58	5.49	09/30/20 11:37	B0I0881	CP1	1
Acenaphthene	< 0.329	0.658		ug/L	0.114	0.329	09/30/20 11:37	B0I0881	CP1	1
Acenaphthylene	< 0.329	0.658		ug/L	0.143	0.329	09/30/20 11:37	B0I0881	CP1	1
Anthracene	< 0.329	0.658		ug/L	0.122	0.329	09/30/20 11:37	B0I0881	CP1	1
Azobenzene as 1,2-Diphenylhydrazine	< 0.329	1.10		ug/L	0.0842	0.329	09/30/20 11:37	B0I0881	CP1	1
Benzidine	< 43.9	87.8		ug/L	18.2	43.9	09/30/20 11:37	B0I0881	CP1	1
Benzo(a)anthracene	< 0.329	0.658		ug/L	0.135	0.329	09/30/20 11:37	B0I0881	CP1	1
Benzo(a)pyrene	< 1.10	2.19		ug/L	0.412	1.10	09/30/20 11:37	B0I0881	CP1	1
Benzo(b)fluoranthene	< 1.10	2.19		ug/L	0.408	1.10	09/30/20 11:37	B0I0881	CP1	1
Benzo(g,h,i)perylene	< 1.10	2.19		ug/L	0.438	1.10	09/30/20 11:37	B0I0881	CP1	1
Benzo(k)fluoranthene	< 0.549	2.19		ug/L	0.273	0.549	09/30/20 11:37	B0I0881	CP1	1
Benzoic acid	< 26.3	43.9		ug/L	12.9	26.3	09/30/20 11:37	B0I0881	CP1	1
Benzyl alcohol	< 2.19	4.39		ug/L	0.603	2.19	09/30/20 11:37	B0I0881	CP1	1
Bis(2-chloroethoxy)methane	< 0.549	1.10		ug/L	0.148	0.549	09/30/20 11:37	B0I0881	CP1	1
Bis(2-chloroethyl)ether	< 0.549	1.10		ug/L	0.193	0.549	09/30/20 11:37	B0I0881	CP1	1
Bis(2-chloroisopropyl)ether	< 0.549	1.10		ug/L	0.141	0.549	09/30/20 11:37	B0I0881	CP1	1
Bis(2-ethylhexyl)phthalate	< 11.0	21.9		ug/L	3.98	11.0	09/30/20 11:37	B0I0881	CP1	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** PZ-10  
**Report Date:** 10/07/2020  
**Collection Date:** 09/25/2020 08:25  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-23 (Continued)

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Limit								
<b>Semivolatile Organic Compounds by GC/MS (Continued)</b>											
<b>Method: SW8270D / SW3510 (Continued)</b>											
Butyl benzyl phthalate	< 0.549	1.10			ug/L	0.257	0.549	09/30/20 11:37	B0I0881	CP1	1
Carbazole	< 0.549	1.10			ug/L	0.190	0.549	09/30/20 11:37	B0I0881	CP1	1
Chrysene	< 0.329	0.658			ug/L	0.139	0.329	09/30/20 11:37	B0I0881	CP1	1
Dibenzo(a,h)anthracene	< 1.10	2.19			ug/L	0.485	1.10	09/30/20 11:37	B0I0881	CP1	1
Dibenzofuran	< 0.329	0.658			ug/L	0.135	0.329	09/30/20 11:37	B0I0881	CP1	1
Diethyl phthalate	< 3.29	6.58			ug/L	1.28	3.29	09/30/20 11:37	B0I0881	CP1	1
Dimethyl phthalate	< 0.329	0.658			ug/L	0.0969	0.329	09/30/20 11:37	B0I0881	CP1	1
Di-n-butyl phthalate	< 6.58	11.0			ug/L	3.16	6.58	09/30/20 11:37	B0I0881	CP1	1
Di-n-octyl phthalate	< 5.49	11.0			ug/L	2.07	5.49	09/30/20 11:37	B0I0881	CP1	1
Fluoranthene	< 0.549	1.10			ug/L	0.215	0.549	09/30/20 11:37	B0I0881	CP1	1
Fluorene	< 0.329	0.658			ug/L	0.136	0.329	09/30/20 11:37	B0I0881	CP1	1
Hexachlorobenzene	< 0.549	1.10			ug/L	0.181	0.549	09/30/20 11:37	B0I0881	CP1	1
Hexachlorobutadiene	< 0.549	1.10			ug/L	0.274	0.549	09/30/20 11:37	B0I0881	CP1	1
Hexachlorocyclopentadiene	< 5.49	16.5			ug/L	2.40	5.49	09/30/20 11:37	B0I0881	CP1	1
Hexachloroethane	< 0.549	1.10			ug/L	0.241	0.549	09/30/20 11:37	B0I0881	CP1	1
Indeno(1,2,3-cd)pyrene	< 1.10	2.19			ug/L	0.551	1.10	09/30/20 11:37	B0I0881	CP1	1
Isophorone	< 0.329	0.658			ug/L	0.121	0.329	09/30/20 11:37	B0I0881	CP1	1
Naphthalene	< 2.19	4.39			ug/L	0.895	2.19	09/30/20 11:37	B0I0881	CP1	1
Nitrobenzene	< 0.329	0.658			ug/L	0.153	0.329	09/30/20 11:37	B0I0881	CP1	1
N-Nitrosodimethylamine	< 0.549	1.10			ug/L	0.171	0.549	09/30/20 11:37	B0I0881	CP1	1
N-Nitrosodi-n-propylamine	< 1.10	2.19			ug/L	0.350	1.10	09/30/20 11:37	B0I0881	CP1	1
N-Nitrosodiphenylamine	< 0.329	0.658			ug/L	0.114	0.329	09/30/20 11:37	B0I0881	CP1	1
Pentachlorophenol	< 11.0	32.9			ug/L	2.77	11.0	09/30/20 11:37	B0I0881	CP1	1
Phenanthrene	< 0.549	1.10			ug/L	0.226	0.549	09/30/20 11:37	B0I0881	CP1	1
Phenol	< 0.549	1.10			ug/L	0.187	0.549	09/30/20 11:37	B0I0881	CP1	1
Pyrene	< 0.549	1.10			ug/L	0.228	0.549	09/30/20 11:37	B0I0881	CP1	1
<i>Surrogate: 2-Fluorophenol</i>					<i>Recovery: 34%</i>	<i>Limits: 10-88</i>		<i>09/30/20 11:37</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: Phenol-d5</i>					<i>Recovery: 27%</i>	<i>Limits: 10-65</i>		<i>09/30/20 11:37</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: Nitrobenzene-d5</i>					<i>Recovery: 67%</i>	<i>Limits: 25-128</i>		<i>09/30/20 11:37</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: 2-Fluorobiphenyl</i>					<i>Recovery: 62%</i>	<i>Limits: 24-114</i>		<i>09/30/20 11:37</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: 2,4,6-Tribromophenol</i>					<i>Recovery: 66%</i>	<i>Limits: 15-119</i>		<i>09/30/20 11:37</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: 4-Terphenyl-d14</i>					<i>Recovery: 79%</i>	<i>Limits: 29-129</i>		<i>09/30/20 11:37</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>

**Subcontracted Analyses****Method: SW8260-SIM Modified / SW5030**

1,4-Dioxane	< 0.200	0.500			ug/L	0.0625	0.200	10/02/20 17:21	B0J0077	CP1	1
<i>Surrogate: Toluene-d8</i>					<i>Recovery: 112%</i>	<i>Limits: 80-120</i>		<i>10/02/20 17:21</i>	<i>B0J0077</i>	<i>CP1</i>	<i>1</i>

### Client Sample Results

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** PZ-10  
**Report Date:** 10/07/2020  
**Collection Date:** 09/25/2020 08:25  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-24

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF	
		Limit	Limit									
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>												
Method: SW8082A / SW3510												
Aroclor 1016	< 0.533	1.07			ug/L	0.226	0.533	10/01/20 18:21	B0I0905	CS2	1	
Aroclor 1221	< 0.533	0.640			ug/L	0.204	0.533	10/01/20 18:21	B0I0905	CS2	1	
Aroclor 1232	< 0.533	0.640			ug/L	0.173	0.533	10/01/20 18:21	B0I0905	CS2	1	
Aroclor 1242	< 1.07	2.13			ug/L	0.374	1.07	10/01/20 18:21	B0I0905	CS2	1	
Aroclor 1248	< 0.533	0.640			ug/L	0.171	0.533	10/01/20 18:21	B0I0905	CS2	1	
Aroclor 1254	< 0.533	0.640			ug/L	0.187	0.533	10/01/20 18:21	B0I0905	CS2	1	
Aroclor 1260	< 0.320	0.427			ug/L	0.120	0.320	10/01/20 18:21	B0I0905	CS2	1	
Total PCB	< 0.533	0.640			ug/L	0.204	0.533	10/01/20 18:21	B0I0905	CS2	1	
<i>Surrogate: Decachlorobiphenyl</i>					Recovery: 87%		Limits: 10-139		10/01/20 18:21	B0I0905	CS2	1
<i>Surrogate: 2,4,5,6-Tetrachloro-m-xylene</i>					Recovery: 64%		Limits: 26-107		10/01/20 18:21	B0I0905	CS2	1



**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-12  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 11:30  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-25

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF	
		Limit	Limit									
<b>Wet Chemistry</b>												
Method: SW9060												
Organic Carbon, Total	2.75	1.00			mg/L	0.400	0.800	10/07/20 01:32	B0J0227	TB2	1	
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>												
Method: SW8082A / SW3510												
Aroclor 1016	< 0.524	1.05			ug/L	0.222	0.524	09/30/20 18:32	B0I0902	CS2	1	
Aroclor 1221	< 0.524	0.629			ug/L	0.201	0.524	09/30/20 18:32	B0I0902	CS2	1	
Aroclor 1232	< 0.524	0.629			ug/L	0.170	0.524	09/30/20 18:32	B0I0902	CS2	1	
Aroclor 1242	< 1.05	2.10			ug/L	0.367	1.05	09/30/20 18:32	B0I0902	CS2	1	
Aroclor 1248	< 0.524	0.629			ug/L	0.168	0.524	09/30/20 18:32	B0I0902	CS2	1	
Aroclor 1254	< 0.524	0.629			ug/L	0.184	0.524	09/30/20 18:32	B0I0902	CS2	1	
Aroclor 1260	< 0.314	0.419			ug/L	0.118	0.314	09/30/20 18:32	B0I0902	CS2	1	
Total PCB	< 0.524	0.629			ug/L	0.201	0.524	09/30/20 18:32	B0I0902	CS2	1	
Surrogate: Decachlorobiphenyl					Recovery: 80%		Limits: 10-139		09/30/20 18:32	B0I0902	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene					Recovery: 56%		Limits: 26-107		09/30/20 18:32	B0I0902	CS2	1
<b>Volatile Organic Compounds by GC/MS</b>												
Method: SW8260B / SW5030												
1,1,1,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.706	2.00	09/29/20 21:22	B0I0944	WZZ	1	
1,1,1-Trichloroethane	< 2.00	4.00			ug/L	0.719	2.00	09/29/20 21:22	B0I0944	WZZ	1	
1,1,2,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.713	2.00	09/29/20 21:22	B0I0944	WZZ	1	
1,1,2-Trichloroethane	< 0.600	2.00			ug/L	0.198	0.600	09/29/20 21:22	B0I0944	WZZ	1	
1,1-Dichloroethane	< 2.00	4.00			ug/L	0.691	2.00	09/29/20 21:22	B0I0944	WZZ	1	
1,1-Dichloroethene	< 4.00	8.00			ug/L	1.10	4.00	09/29/20 21:22	B0I0944	WZZ	1	
1,1-Dichloropropene	< 1.00	2.00			ug/L	0.462	1.00	09/29/20 21:22	B0I0944	WZZ	1	
1,2,3-Trichlorobenzene	< 0.600	2.00			ug/L	0.199	0.600	09/29/20 21:22	B0I0944	WZZ	1	
1,2,3-Trichloropropane	< 2.00	4.00			ug/L	0.598	2.00	09/29/20 21:22	B0I0944	WZZ	1	
1,2,4-Trimethylbenzene	< 2.00	4.00			ug/L	0.753	2.00	09/29/20 21:22	B0I0944	WZZ	1	
1,2-Dibromo-3-chloropropane	< 4.00	8.00			ug/L	1.22	4.00	09/29/20 21:22	B0I0944	WZZ	1	
1,2-Dibromoethane	< 1.00	2.00			ug/L	0.420	1.00	09/29/20 21:22	B0I0944	WZZ	1	
1,2-Dichloroethane	< 2.00	4.00			ug/L	0.731	2.00	09/29/20 21:22	B0I0944	WZZ	1	
1,2-Dichloropropane	< 2.00	4.00			ug/L	0.557	2.00	09/29/20 21:22	B0I0944	WZZ	1	
1,3,5-Trimethylbenzene	< 1.00	2.00			ug/L	0.351	1.00	09/29/20 21:22	B0I0944	WZZ	1	
1,3-Dichloropropane	< 1.00	2.00			ug/L	0.345	1.00	09/29/20 21:22	B0I0944	WZZ	1	
2,2-Dichloropropane	< 4.00	8.00			ug/L	1.03	4.00	09/29/20 21:22	B0I0944	WZZ	1	
2-Butanone	< 14.0	28.0			ug/L	4.79	14.0	09/29/20 21:22	B0I0944	WZZ	1	
2-Chlorotoluene	< 1.00	2.00			ug/L	0.384	1.00	09/29/20 21:22	B0I0944	WZZ	1	
2-Hexanone	< 14.0	28.0			ug/L	4.74	14.0	09/29/20 21:22	B0I0944	WZZ	1	
4-Isopropyltoluene	< 2.00	4.00			ug/L	0.930	2.00	09/29/20 21:22	B0I0944	WZZ	1	
4-Methyl-2-pentanone	< 14.0	28.0			ug/L	4.40	14.0	09/29/20 21:22	B0I0944	WZZ	1	
Acetone	< 28.0	70.0	Q, S1		ug/L	9.21	28.0	09/29/20 21:22	B0I0944	WZZ	1	
Benzene	< 1.00	2.00			ug/L	0.362	1.00	09/29/20 21:22	B0I0944	WZZ	1	
Bromobenzene	< 1.00	2.00			ug/L	0.354	1.00	09/29/20 21:22	B0I0944	WZZ	1	

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-12  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 11:30  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-25 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Volatile Organic Compounds by GC/MS (Continued)</b>										
Method: SW8260B / SW5030 (Continued)										
Bromochloromethane	< 2.00	4.00		ug/L	0.861	2.00	09/29/20 21:22	B0I0944	WZZ	1
Bromodichloromethane	< 1.00	2.00		ug/L	0.458	1.00	09/29/20 21:22	B0I0944	WZZ	1
Bromoform	< 2.00	4.00		ug/L	0.570	2.00	09/29/20 21:22	B0I0944	WZZ	1
Bromomethane	< 4.00	8.00		ug/L	1.61	4.00	09/29/20 21:22	B0I0944	WZZ	1
Carbon disulfide	< 2.00	4.00		ug/L	0.739	2.00	09/29/20 21:22	B0I0944	WZZ	1
Carbon tetrachloride	< 2.00	4.00		ug/L	0.710	2.00	09/29/20 21:22	B0I0944	WZZ	1
Chlorobenzene	< 0.600	2.00		ug/L	0.170	0.600	09/29/20 21:22	B0I0944	WZZ	1
Chloroethane	< 2.00	4.00		ug/L	0.621	2.00	09/29/20 21:22	B0I0944	WZZ	1
Chloroform	< 4.00	8.00		ug/L	1.06	4.00	09/29/20 21:22	B0I0944	WZZ	1
Chloromethane	< 4.00	8.00		ug/L	1.30	4.00	09/29/20 21:22	B0I0944	WZZ	1
cis-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.652	2.00	09/29/20 21:22	B0I0944	WZZ	1
cis-1,3-Dichloropropene	< 2.00	4.00		ug/L	0.408	2.00	09/29/20 21:22	B0I0944	WZZ	1
Cyclohexane	< 1.00	2.00		ug/L	0.325	1.00	09/29/20 21:22	B0I0944	WZZ	1
Dibromochloromethane	< 2.00	4.00		ug/L	0.632	2.00	09/29/20 21:22	B0I0944	WZZ	1
Dibromomethane	< 1.00	2.00		ug/L	0.390	1.00	09/29/20 21:22	B0I0944	WZZ	1
Dichlorodifluoromethane	< 0.600	2.00		ug/L	0.186	0.600	09/29/20 21:22	B0I0944	WZZ	1
Ethylbenzene	< 1.00	2.00		ug/L	0.268	1.00	09/29/20 21:22	B0I0944	WZZ	1
Isopropylbenzene	< 1.00	2.00		ug/L	0.312	1.00	09/29/20 21:22	B0I0944	WZZ	1
m,p-Xylene	< 4.00	8.00		ug/L	1.58	4.00	09/29/20 21:22	B0I0944	WZZ	1
Methyl tert-butyl ether	< 2.00	4.00		ug/L	0.838	2.00	09/29/20 21:22	B0I0944	WZZ	1
Methylene chloride	< 4.00	8.00		ug/L	1.02	4.00	09/29/20 21:22	B0I0944	WZZ	1
n-Butylbenzene	< 1.00	2.00		ug/L	0.295	1.00	09/29/20 21:22	B0I0944	WZZ	1
n-Propylbenzene	< 1.00	2.00		ug/L	0.289	1.00	09/29/20 21:22	B0I0944	WZZ	1
o-Xylene	< 1.00	2.00		ug/L	0.324	1.00	09/29/20 21:22	B0I0944	WZZ	1
sec-Butylbenzene	< 0.600	2.00		ug/L	0.223	0.600	09/29/20 21:22	B0I0944	WZZ	1
Styrene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 21:22	B0I0944	WZZ	1
tert-Butylbenzene	< 2.00	4.00		ug/L	0.800	2.00	09/29/20 21:22	B0I0944	WZZ	1
Tetrachloroethene	< 2.00	4.00		ug/L	0.646	2.00	09/29/20 21:22	B0I0944	WZZ	1
Toluene	< 2.00	4.00		ug/L	0.510	2.00	09/29/20 21:22	B0I0944	WZZ	1
trans-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.566	2.00	09/29/20 21:22	B0I0944	WZZ	1
trans-1,3-Dichloropropene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 21:22	B0I0944	WZZ	1
Trichloroethene	< 2.00	4.00		ug/L	0.939	2.00	09/29/20 21:22	B0I0944	WZZ	1
Trichlorofluoromethane	< 2.00	4.00		ug/L	0.503	2.00	09/29/20 21:22	B0I0944	WZZ	1
Vinyl chloride	< 2.00	4.00		ug/L	0.582	2.00	09/29/20 21:22	B0I0944	WZZ	1
Xylenes, Total	< 6.00	12.0		ug/L	1.62	6.00	09/29/20 21:22	B0I0944	WZZ	1
Surrogate: Dibromofluoromethane				Recovery: 100%	Limits: 84-137		09/29/20 21:22	B0I0944	WZZ	1
Surrogate: 1,2-Dichloroethane-d4				Recovery: 103%	Limits: 74-140		09/29/20 21:22	B0I0944	WZZ	1
Surrogate: Fluorobenzene				Recovery: 97%	Limits: 90-105		09/29/20 21:22	B0I0944	WZZ	1
Surrogate: Toluene-d8				Recovery: 99%	Limits: 74-109		09/29/20 21:22	B0I0944	WZZ	1
Surrogate: 4-Bromofluorobenzene				Recovery: 103%	Limits: 86-128		09/29/20 21:22	B0I0944	WZZ	1
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 99%	Limits: 90-128		09/29/20 21:22	B0I0944	WZZ	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-12  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 11:30  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-25 (Continued)

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit									
<b>Semivolatile Organic Compounds by GC/MS</b>											
Method: SW8270D / SW3510											
1,2,4-Trichlorobenzene	< 1.09	2.18			ug/L	0.305	1.09	09/30/20 11:58	B0I0881	CP1	1
1,2-Dichlorobenzene	< 1.09	2.18			ug/L	0.326	1.09	09/30/20 11:58	B0I0881	CP1	1
1,3-Dichlorobenzene	< 1.09	2.18			ug/L	0.337	1.09	09/30/20 11:58	B0I0881	CP1	1
1,4-Dichlorobenzene	< 1.09	2.18			ug/L	0.305	1.09	09/30/20 11:58	B0I0881	CP1	1
2,4,5-Trichlorophenol	< 0.544	1.09			ug/L	0.141	0.544	09/30/20 11:58	B0I0881	CP1	1
2,4,6-Trichlorophenol	< 0.544	1.09			ug/L	0.265	0.544	09/30/20 11:58	B0I0881	CP1	1
2,4-Dichlorophenol	< 0.544	1.09			ug/L	0.0857	0.544	09/30/20 11:58	B0I0881	CP1	1
2,4-Dimethylphenol	< 1.09	2.18			ug/L	0.128	1.09	09/30/20 11:58	B0I0881	CP1	1
2,4-Dinitrophenol	< 10.9	32.6			ug/L	3.60	10.9	09/30/20 11:58	B0I0881	CP1	1
2,4-Dinitrotoluene	< 1.09	2.18			ug/L	0.274	1.09	09/30/20 11:58	B0I0881	CP1	1
2,6-Dinitrotoluene	< 0.544	1.09			ug/L	0.250	0.544	09/30/20 11:58	B0I0881	CP1	1
2-Chloronaphthalene	< 0.326	0.653			ug/L	0.115	0.326	09/30/20 11:58	B0I0881	CP1	1
2-Chlorophenol	< 0.544	1.09			ug/L	0.167	0.544	09/30/20 11:58	B0I0881	CP1	1
2-Methylnaphthalene	< 2.18	4.35			ug/L	0.696	2.18	09/30/20 11:58	B0I0881	CP1	1
2-Methylphenol	< 0.544	1.09			ug/L	0.199	0.544	09/30/20 11:58	B0I0881	CP1	1
2-Nitroaniline	< 10.9	32.6			ug/L	2.79	10.9	09/30/20 11:58	B0I0881	CP1	1
2-Nitrophenol	< 0.544	1.09			ug/L	0.228	0.544	09/30/20 11:58	B0I0881	CP1	1
3,3'-Dichlorobenzidine	< 10.9	21.8			ug/L	3.44	10.9	09/30/20 11:58	B0I0881	CP1	1
3 & 4-Methylphenol	< 0.544	1.09			ug/L	0.195	0.544	09/30/20 11:58	B0I0881	CP1	1
3-Nitroaniline	< 1.09	2.18			ug/L	0.391	1.09	09/30/20 11:58	B0I0881	CP1	1
4,6-Dinitro-2-methylphenol	< 5.44	16.3			ug/L	2.67	5.44	09/30/20 11:58	B0I0881	CP1	1
4-Bromophenyl-phenylether	< 0.544	1.09			ug/L	0.174	0.544	09/30/20 11:58	B0I0881	CP1	1
4-Chloro-3-methylphenol	< 0.218	0.544			ug/L	0.0776	0.218	09/30/20 11:58	B0I0881	CP1	1
4-Chloroaniline	< 0.326	0.653			ug/L	0.116	0.326	09/30/20 11:58	B0I0881	CP1	1
4-Chlorophenyl-phenylether	< 0.544	1.09			ug/L	0.158	0.544	09/30/20 11:58	B0I0881	CP1	1
4-Nitroaniline	< 10.9	32.6			ug/L	4.10	10.9	09/30/20 11:58	B0I0881	CP1	1
4-Nitrophenol	< 5.44	16.3			ug/L	1.56	5.44	09/30/20 11:58	B0I0881	CP1	1
Acenaphthene	< 0.326	0.653			ug/L	0.113	0.326	09/30/20 11:58	B0I0881	CP1	1
Acenaphthylene	< 0.326	0.653			ug/L	0.141	0.326	09/30/20 11:58	B0I0881	CP1	1
Anthracene	< 0.326	0.653			ug/L	0.121	0.326	09/30/20 11:58	B0I0881	CP1	1
Azobenzene as 1,2-Diphenylhydrazine	< 0.326	1.09			ug/L	0.0834	0.326	09/30/20 11:58	B0I0881	CP1	1
Benzidine	< 43.5	87.0			ug/L	18.0	43.5	09/30/20 11:58	B0I0881	CP1	1
Benzo(a)anthracene	< 0.326	0.653			ug/L	0.134	0.326	09/30/20 11:58	B0I0881	CP1	1
Benzo(a)pyrene	< 1.09	2.18			ug/L	0.409	1.09	09/30/20 11:58	B0I0881	CP1	1
Benzo(b)fluoranthene	< 1.09	2.18			ug/L	0.405	1.09	09/30/20 11:58	B0I0881	CP1	1
Benzo(g,h,i)perylene	< 1.09	2.18			ug/L	0.434	1.09	09/30/20 11:58	B0I0881	CP1	1
Benzo(k)fluoranthene	< 0.544	2.18			ug/L	0.271	0.544	09/30/20 11:58	B0I0881	CP1	1
Benzoic acid	< 26.1	43.5			ug/L	12.8	26.1	09/30/20 11:58	B0I0881	CP1	1
Benzyl alcohol	< 2.18	4.35			ug/L	0.598	2.18	09/30/20 11:58	B0I0881	CP1	1
Bis(2-chloroethoxy)methane	< 0.544	1.09			ug/L	0.147	0.544	09/30/20 11:58	B0I0881	CP1	1
Bis(2-chloroethyl)ether	< 0.544	1.09			ug/L	0.191	0.544	09/30/20 11:58	B0I0881	CP1	1
Bis(2-chloroisopropyl)ether	< 0.544	1.09			ug/L	0.140	0.544	09/30/20 11:58	B0I0881	CP1	1
Bis(2-ethylhexyl)phthalate	< 10.9	21.8			ug/L	3.95	10.9	09/30/20 11:58	B0I0881	CP1	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-12  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 11:30  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-25 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Semivolatile Organic Compounds by GC/MS (Continued)</b>										
Method: SW8270D / SW3510 (Continued)										
Butyl benzyl phthalate	< 0.544	1.09		ug/L	0.255	0.544	09/30/20 11:58	B0I0881	CP1	1
Carbazole	< 0.544	1.09		ug/L	0.188	0.544	09/30/20 11:58	B0I0881	CP1	1
Chrysene	< 0.326	0.653		ug/L	0.138	0.326	09/30/20 11:58	B0I0881	CP1	1
Dibenzo(a,h)anthracene	< 1.09	2.18		ug/L	0.481	1.09	09/30/20 11:58	B0I0881	CP1	1
Dibenzofuran	< 0.326	0.653		ug/L	0.133	0.326	09/30/20 11:58	B0I0881	CP1	1
Diethyl phthalate	< 3.26	6.53		ug/L	1.27	3.26	09/30/20 11:58	B0I0881	CP1	1
Dimethyl phthalate	< 0.326	0.653		ug/L	0.0961	0.326	09/30/20 11:58	B0I0881	CP1	1
Di-n-butyl phthalate	< 6.53	10.9		ug/L	3.13	6.53	09/30/20 11:58	B0I0881	CP1	1
Di-n-octyl phthalate	< 5.44	10.9		ug/L	2.05	5.44	09/30/20 11:58	B0I0881	CP1	1
Fluoranthene	< 0.544	1.09		ug/L	0.214	0.544	09/30/20 11:58	B0I0881	CP1	1
Fluorene	< 0.326	0.653		ug/L	0.135	0.326	09/30/20 11:58	B0I0881	CP1	1
Hexachlorobenzene	< 0.544	1.09		ug/L	0.179	0.544	09/30/20 11:58	B0I0881	CP1	1
Hexachlorobutadiene	< 0.544	1.09		ug/L	0.272	0.544	09/30/20 11:58	B0I0881	CP1	1
Hexachlorocyclopentadiene	< 5.44	16.3		ug/L	2.38	5.44	09/30/20 11:58	B0I0881	CP1	1
Hexachloroethane	< 0.544	1.09		ug/L	0.239	0.544	09/30/20 11:58	B0I0881	CP1	1
Indeno(1,2,3-cd)pyrene	< 1.09	2.18		ug/L	0.547	1.09	09/30/20 11:58	B0I0881	CP1	1
Isophorone	< 0.326	0.653		ug/L	0.120	0.326	09/30/20 11:58	B0I0881	CP1	1
Naphthalene	< 2.18	4.35		ug/L	0.888	2.18	09/30/20 11:58	B0I0881	CP1	1
Nitrobenzene	< 0.326	0.653		ug/L	0.152	0.326	09/30/20 11:58	B0I0881	CP1	1
N-Nitrosodimethylamine	< 0.544	1.09		ug/L	0.169	0.544	09/30/20 11:58	B0I0881	CP1	1
N-Nitrosodi-n-propylamine	< 1.09	2.18		ug/L	0.347	1.09	09/30/20 11:58	B0I0881	CP1	1
N-Nitrosodiphenylamine	< 0.326	0.653		ug/L	0.113	0.326	09/30/20 11:58	B0I0881	CP1	1
Pentachlorophenol	< 10.9	32.6		ug/L	2.74	10.9	09/30/20 11:58	B0I0881	CP1	1
Phenanthrene	< 0.544	1.09		ug/L	0.224	0.544	09/30/20 11:58	B0I0881	CP1	1
Phenol	< 0.544	1.09		ug/L	0.186	0.544	09/30/20 11:58	B0I0881	CP1	1
Pyrene	< 0.544	1.09		ug/L	0.226	0.544	09/30/20 11:58	B0I0881	CP1	1
<i>Surrogate: 2-Fluorophenol</i>				<i>Recovery: 39%</i>	<i>Limits: 10-88</i>		<i>09/30/20 11:58</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: Phenol-d5</i>				<i>Recovery: 30%</i>	<i>Limits: 10-65</i>		<i>09/30/20 11:58</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: Nitrobenzene-d5</i>				<i>Recovery: 69%</i>	<i>Limits: 25-128</i>		<i>09/30/20 11:58</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: 2-Fluorobiphenyl</i>				<i>Recovery: 65%</i>	<i>Limits: 24-114</i>		<i>09/30/20 11:58</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: 2,4,6-Tribromophenol</i>				<i>Recovery: 68%</i>	<i>Limits: 15-119</i>		<i>09/30/20 11:58</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: 4-Terphenyl-d14</i>				<i>Recovery: 92%</i>	<i>Limits: 29-129</i>		<i>09/30/20 11:58</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>

**Subcontracted Analyses**

Method: SW8260-SIM Modified / SW5030

1,4-Dioxane	< 0.200	0.500		ug/L	0.0625	0.200	10/02/20 18:34	B0J0077	CP1	1
<i>Surrogate: Toluene-d8</i>				<i>Recovery: 109%</i>	<i>Limits: 80-120</i>		<i>10/02/20 18:34</i>	<i>B0J0077</i>	<i>CP1</i>	<i>1</i>

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-12  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 11:30  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-26

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF	
		Limit	Limit									
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>												
Method: SW8082A / SW3510												
Aroclor 1016	< 0.532	1.06			ug/L	0.226	0.532	09/30/20 18:49	B0I0905	CS2	1	
Aroclor 1221	< 0.532	0.638			ug/L	0.204	0.532	09/30/20 18:49	B0I0905	CS2	1	
Aroclor 1232	< 0.532	0.638			ug/L	0.172	0.532	09/30/20 18:49	B0I0905	CS2	1	
Aroclor 1242	< 1.06	2.13			ug/L	0.373	1.06	09/30/20 18:49	B0I0905	CS2	1	
Aroclor 1248	< 0.532	0.638			ug/L	0.170	0.532	09/30/20 18:49	B0I0905	CS2	1	
Aroclor 1254	< 0.532	0.638			ug/L	0.187	0.532	09/30/20 18:49	B0I0905	CS2	1	
Aroclor 1260	< 0.319	0.426			ug/L	0.119	0.319	09/30/20 18:49	B0I0905	CS2	1	
Total PCB	< 0.532	0.638			ug/L	0.204	0.532	09/30/20 18:49	B0I0905	CS2	1	
<i>Surrogate: Decachlorobiphenyl</i>					Recovery: 84%		Limits: 10-139		09/30/20 18:49	B0I0905	CS2	1
<i>Surrogate: 2,4,5,6-Tetrachloro-m-xylene</i>					Recovery: 46%		Limits: 26-107		09/30/20 18:49	B0I0905	CS2	1



**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-12 DUP  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 11:30  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-27

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit									
<b>Wet Chemistry</b>											
Method: SW9060											
Organic Carbon, Total	2.44	1.00			mg/L	0.400	0.800	10/07/20 01:52	B0J0227	TB2	1
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>											
Method: SW8082A / SW3510											
Aroclor 1016	< 0.534	1.07			ug/L	0.227	0.534	09/30/20 18:49	B0I0902	CS2	1
Aroclor 1221	< 0.534	0.641			ug/L	0.204	0.534	09/30/20 18:49	B0I0902	CS2	1
Aroclor 1232	< 0.534	0.641			ug/L	0.173	0.534	09/30/20 18:49	B0I0902	CS2	1
Aroclor 1242	< 1.07	2.14			ug/L	0.374	1.07	09/30/20 18:49	B0I0902	CS2	1
Aroclor 1248	< 0.534	0.641			ug/L	0.171	0.534	09/30/20 18:49	B0I0902	CS2	1
Aroclor 1254	< 0.534	0.641			ug/L	0.188	0.534	09/30/20 18:49	B0I0902	CS2	1
Aroclor 1260	< 0.320	0.427			ug/L	0.120	0.320	09/30/20 18:49	B0I0902	CS2	1
Total PCB	< 0.534	0.641			ug/L	0.204	0.534	09/30/20 18:49	B0I0902	CS2	1
Surrogate: Decachlorobiphenyl					Recovery: 84%	Limits: 10-139		09/30/20 18:49	B0I0902	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene					Recovery: 51%	Limits: 26-107		09/30/20 18:49	B0I0902	CS2	1
<b>Volatile Organic Compounds by GC/MS</b>											
Method: SW8260B / SW5030											
1,1,1,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.706	2.00	09/29/20 21:48	B0I0944	WZZ	1
1,1,1-Trichloroethane	< 2.00	4.00			ug/L	0.719	2.00	09/29/20 21:48	B0I0944	WZZ	1
1,1,2,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.713	2.00	09/29/20 21:48	B0I0944	WZZ	1
1,1,2-Trichloroethane	< 0.600	2.00			ug/L	0.198	0.600	09/29/20 21:48	B0I0944	WZZ	1
1,1-Dichloroethane	< 2.00	4.00			ug/L	0.691	2.00	09/29/20 21:48	B0I0944	WZZ	1
1,1-Dichloroethene	< 4.00	8.00			ug/L	1.10	4.00	09/29/20 21:48	B0I0944	WZZ	1
1,1-Dichloropropene	< 1.00	2.00			ug/L	0.462	1.00	09/29/20 21:48	B0I0944	WZZ	1
1,2,3-Trichlorobenzene	< 0.600	2.00			ug/L	0.199	0.600	09/29/20 21:48	B0I0944	WZZ	1
1,2,3-Trichloropropane	< 2.00	4.00			ug/L	0.598	2.00	09/29/20 21:48	B0I0944	WZZ	1
1,2,4-Trimethylbenzene	< 2.00	4.00			ug/L	0.753	2.00	09/29/20 21:48	B0I0944	WZZ	1
1,2-Dibromo-3-chloropropane	< 4.00	8.00			ug/L	1.22	4.00	09/29/20 21:48	B0I0944	WZZ	1
1,2-Dibromoethane	< 1.00	2.00			ug/L	0.420	1.00	09/29/20 21:48	B0I0944	WZZ	1
1,2-Dichloroethane	< 2.00	4.00			ug/L	0.731	2.00	09/29/20 21:48	B0I0944	WZZ	1
1,2-Dichloropropane	< 2.00	4.00			ug/L	0.557	2.00	09/29/20 21:48	B0I0944	WZZ	1
1,3,5-Trimethylbenzene	< 1.00	2.00			ug/L	0.351	1.00	09/29/20 21:48	B0I0944	WZZ	1
1,3-Dichloropropane	< 1.00	2.00			ug/L	0.345	1.00	09/29/20 21:48	B0I0944	WZZ	1
2,2-Dichloropropane	< 4.00	8.00			ug/L	1.03	4.00	09/29/20 21:48	B0I0944	WZZ	1
2-Butanone	< 14.0	28.0			ug/L	4.79	14.0	09/29/20 21:48	B0I0944	WZZ	1
2-Chlorotoluene	< 1.00	2.00			ug/L	0.384	1.00	09/29/20 21:48	B0I0944	WZZ	1
2-Hexanone	< 14.0	28.0			ug/L	4.74	14.0	09/29/20 21:48	B0I0944	WZZ	1
4-Isopropyltoluene	< 2.00	4.00			ug/L	0.930	2.00	09/29/20 21:48	B0I0944	WZZ	1
4-Methyl-2-pentanone	< 14.0	28.0			ug/L	4.40	14.0	09/29/20 21:48	B0I0944	WZZ	1
Acetone	< 28.0	70.0	Q, S1		ug/L	9.21	28.0	09/29/20 21:48	B0I0944	WZZ	1
Benzene	< 1.00	2.00			ug/L	0.362	1.00	09/29/20 21:48	B0I0944	WZZ	1
Bromobenzene	< 1.00	2.00			ug/L	0.354	1.00	09/29/20 21:48	B0I0944	WZZ	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-12 DUP  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 11:30  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-27 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Volatile Organic Compounds by GC/MS (Continued)</b>										
Method: SW8260B / SW5030 (Continued)										
Bromochloromethane	< 2.00	4.00		ug/L	0.861	2.00	09/29/20 21:48	B0I0944	WZZ	1
Bromodichloromethane	< 1.00	2.00		ug/L	0.458	1.00	09/29/20 21:48	B0I0944	WZZ	1
Bromoform	< 2.00	4.00		ug/L	0.570	2.00	09/29/20 21:48	B0I0944	WZZ	1
Bromomethane	< 4.00	8.00		ug/L	1.61	4.00	09/29/20 21:48	B0I0944	WZZ	1
Carbon disulfide	< 2.00	4.00		ug/L	0.739	2.00	09/29/20 21:48	B0I0944	WZZ	1
Carbon tetrachloride	< 2.00	4.00		ug/L	0.710	2.00	09/29/20 21:48	B0I0944	WZZ	1
Chlorobenzene	< 0.600	2.00		ug/L	0.170	0.600	09/29/20 21:48	B0I0944	WZZ	1
Chloroethane	< 2.00	4.00		ug/L	0.621	2.00	09/29/20 21:48	B0I0944	WZZ	1
Chloroform	< 4.00	8.00		ug/L	1.06	4.00	09/29/20 21:48	B0I0944	WZZ	1
Chloromethane	< 4.00	8.00		ug/L	1.30	4.00	09/29/20 21:48	B0I0944	WZZ	1
cis-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.652	2.00	09/29/20 21:48	B0I0944	WZZ	1
cis-1,3-Dichloropropene	< 2.00	4.00		ug/L	0.408	2.00	09/29/20 21:48	B0I0944	WZZ	1
Cyclohexane	< 1.00	2.00		ug/L	0.325	1.00	09/29/20 21:48	B0I0944	WZZ	1
Dibromochloromethane	< 2.00	4.00		ug/L	0.632	2.00	09/29/20 21:48	B0I0944	WZZ	1
Dibromomethane	< 1.00	2.00		ug/L	0.390	1.00	09/29/20 21:48	B0I0944	WZZ	1
Dichlorodifluoromethane	< 0.600	2.00		ug/L	0.186	0.600	09/29/20 21:48	B0I0944	WZZ	1
Ethylbenzene	< 1.00	2.00		ug/L	0.268	1.00	09/29/20 21:48	B0I0944	WZZ	1
Isopropylbenzene	< 1.00	2.00		ug/L	0.312	1.00	09/29/20 21:48	B0I0944	WZZ	1
m,p-Xylene	< 4.00	8.00		ug/L	1.58	4.00	09/29/20 21:48	B0I0944	WZZ	1
Methyl tert-butyl ether	< 2.00	4.00		ug/L	0.838	2.00	09/29/20 21:48	B0I0944	WZZ	1
Methylene chloride	< 4.00	8.00		ug/L	1.02	4.00	09/29/20 21:48	B0I0944	WZZ	1
n-Butylbenzene	< 1.00	2.00		ug/L	0.295	1.00	09/29/20 21:48	B0I0944	WZZ	1
n-Propylbenzene	< 1.00	2.00		ug/L	0.289	1.00	09/29/20 21:48	B0I0944	WZZ	1
o-Xylene	< 1.00	2.00		ug/L	0.324	1.00	09/29/20 21:48	B0I0944	WZZ	1
sec-Butylbenzene	< 0.600	2.00		ug/L	0.223	0.600	09/29/20 21:48	B0I0944	WZZ	1
Styrene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 21:48	B0I0944	WZZ	1
tert-Butylbenzene	< 2.00	4.00		ug/L	0.800	2.00	09/29/20 21:48	B0I0944	WZZ	1
Tetrachloroethene	< 2.00	4.00		ug/L	0.646	2.00	09/29/20 21:48	B0I0944	WZZ	1
Toluene	< 2.00	4.00		ug/L	0.510	2.00	09/29/20 21:48	B0I0944	WZZ	1
trans-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.566	2.00	09/29/20 21:48	B0I0944	WZZ	1
trans-1,3-Dichloropropene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 21:48	B0I0944	WZZ	1
Trichloroethene	< 2.00	4.00		ug/L	0.939	2.00	09/29/20 21:48	B0I0944	WZZ	1
Trichlorofluoromethane	< 2.00	4.00		ug/L	0.503	2.00	09/29/20 21:48	B0I0944	WZZ	1
Vinyl chloride	< 2.00	4.00		ug/L	0.582	2.00	09/29/20 21:48	B0I0944	WZZ	1
Xylenes, Total	< 6.00	12.0		ug/L	1.62	6.00	09/29/20 21:48	B0I0944	WZZ	1
<i>Surrogate: Dibromofluoromethane</i>				<i>Recovery: 101%</i>	<i>Limits: 84-137</i>		<i>09/29/20 21:48</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>				<i>Recovery: 101%</i>	<i>Limits: 74-140</i>		<i>09/29/20 21:48</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Fluorobenzene</i>				<i>Recovery: 99%</i>	<i>Limits: 90-105</i>		<i>09/29/20 21:48</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Toluene-d8</i>				<i>Recovery: 101%</i>	<i>Limits: 74-109</i>		<i>09/29/20 21:48</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 4-Bromofluorobenzene</i>				<i>Recovery: 103%</i>	<i>Limits: 86-128</i>		<i>09/29/20 21:48</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>				<i>Recovery: 101%</i>	<i>Limits: 90-128</i>		<i>09/29/20 21:48</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-12 DUP  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 11:30  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-27 (Continued)

Analyses	Result	EMT		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Reporting Limit	Qual							
<b>Semivolatile Organic Compounds by GC/MS</b>										
Method: SW8270D / SW3510										
1,2,4-Trichlorobenzene	< 1.08	2.16		ug/L	0.302	1.08	09/30/20 12:19	B0I0881	CP1	1
1,2-Dichlorobenzene	< 1.08	2.16		ug/L	0.324	1.08	09/30/20 12:19	B0I0881	CP1	1
1,3-Dichlorobenzene	< 1.08	2.16		ug/L	0.334	1.08	09/30/20 12:19	B0I0881	CP1	1
1,4-Dichlorobenzene	< 1.08	2.16		ug/L	0.302	1.08	09/30/20 12:19	B0I0881	CP1	1
2,4,5-Trichlorophenol	< 0.539	1.08		ug/L	0.140	0.539	09/30/20 12:19	B0I0881	CP1	1
2,4,6-Trichlorophenol	< 0.539	1.08		ug/L	0.263	0.539	09/30/20 12:19	B0I0881	CP1	1
2,4-Dichlorophenol	< 0.539	1.08		ug/L	0.0850	0.539	09/30/20 12:19	B0I0881	CP1	1
2,4-Dimethylphenol	< 1.08	2.16		ug/L	0.127	1.08	09/30/20 12:19	B0I0881	CP1	1
2,4-Dinitrophenol	< 10.8	32.4		ug/L	3.57	10.8	09/30/20 12:19	B0I0881	CP1	1
2,4-Dinitrotoluene	< 1.08	2.16		ug/L	0.272	1.08	09/30/20 12:19	B0I0881	CP1	1
2,6-Dinitrotoluene	< 0.539	1.08		ug/L	0.248	0.539	09/30/20 12:19	B0I0881	CP1	1
2-Chloronaphthalene	< 0.324	0.647		ug/L	0.114	0.324	09/30/20 12:19	B0I0881	CP1	1
2-Chlorophenol	< 0.539	1.08		ug/L	0.166	0.539	09/30/20 12:19	B0I0881	CP1	1
2-Methylnaphthalene	< 2.16	4.32		ug/L	0.691	2.16	09/30/20 12:19	B0I0881	CP1	1
2-Methylphenol	< 0.539	1.08		ug/L	0.197	0.539	09/30/20 12:19	B0I0881	CP1	1
2-Nitroaniline	< 10.8	32.4		ug/L	2.76	10.8	09/30/20 12:19	B0I0881	CP1	1
2-Nitrophenol	< 0.539	1.08		ug/L	0.226	0.539	09/30/20 12:19	B0I0881	CP1	1
3,3'-Dichlorobenzidine	< 10.8	21.6		ug/L	3.41	10.8	09/30/20 12:19	B0I0881	CP1	1
3 & 4-Methylphenol	< 0.539	1.08		ug/L	0.193	0.539	09/30/20 12:19	B0I0881	CP1	1
3-Nitroaniline	< 1.08	2.16		ug/L	0.388	1.08	09/30/20 12:19	B0I0881	CP1	1
4,6-Dinitro-2-methylphenol	< 5.39	16.2		ug/L	2.64	5.39	09/30/20 12:19	B0I0881	CP1	1
4-Bromophenyl-phenylether	< 0.539	1.08		ug/L	0.173	0.539	09/30/20 12:19	B0I0881	CP1	1
4-Chloro-3-methylphenol	< 0.216	0.539		ug/L	0.0769	0.216	09/30/20 12:19	B0I0881	CP1	1
4-Chloroaniline	< 0.324	0.647		ug/L	0.115	0.324	09/30/20 12:19	B0I0881	CP1	1
4-Chlorophenyl-phenylether	< 0.539	1.08		ug/L	0.157	0.539	09/30/20 12:19	B0I0881	CP1	1
4-Nitroaniline	< 10.8	32.4		ug/L	4.07	10.8	09/30/20 12:19	B0I0881	CP1	1
4-Nitrophenol	< 5.39	16.2		ug/L	1.55	5.39	09/30/20 12:19	B0I0881	CP1	1
Acenaphthene	< 0.324	0.647		ug/L	0.112	0.324	09/30/20 12:19	B0I0881	CP1	1
Acenaphthylene	< 0.324	0.647		ug/L	0.140	0.324	09/30/20 12:19	B0I0881	CP1	1
Anthracene	< 0.324	0.647		ug/L	0.120	0.324	09/30/20 12:19	B0I0881	CP1	1
Azobenzene as 1,2-Diphenylhydrazine	< 0.324	1.08		ug/L	0.0828	0.324	09/30/20 12:19	B0I0881	CP1	1
Benzidine	< 43.2	86.3		ug/L	17.9	43.2	09/30/20 12:19	B0I0881	CP1	1
Benzo(a)anthracene	< 0.324	0.647		ug/L	0.133	0.324	09/30/20 12:19	B0I0881	CP1	1
Benzo(a)pyrene	< 1.08	2.16		ug/L	0.405	1.08	09/30/20 12:19	B0I0881	CP1	1
Benzo(b)fluoranthene	< 1.08	2.16		ug/L	0.402	1.08	09/30/20 12:19	B0I0881	CP1	1
Benzo(g,h,i)perylene	< 1.08	2.16		ug/L	0.431	1.08	09/30/20 12:19	B0I0881	CP1	1
Benzo(k)fluoranthene	< 0.539	2.16		ug/L	0.268	0.539	09/30/20 12:19	B0I0881	CP1	1
Benzoic acid	< 25.9	43.2		ug/L	12.7	25.9	09/30/20 12:19	B0I0881	CP1	1
Benzyl alcohol	< 2.16	4.32		ug/L	0.593	2.16	09/30/20 12:19	B0I0881	CP1	1
Bis(2-chloroethoxy)methane	< 0.539	1.08		ug/L	0.146	0.539	09/30/20 12:19	B0I0881	CP1	1
Bis(2-chloroethyl)ether	< 0.539	1.08		ug/L	0.190	0.539	09/30/20 12:19	B0I0881	CP1	1
Bis(2-chloroisopropyl)ether	< 0.539	1.08		ug/L	0.138	0.539	09/30/20 12:19	B0I0881	CP1	1
Bis(2-ethylhexyl)phthalate	< 10.8	21.6		ug/L	3.92	10.8	09/30/20 12:19	B0I0881	CP1	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-12 DUP  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 11:30  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-27 (Continued)

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time	Batch	Analyst	DF
		Limit						Analyzed			
<b>Semivolatile Organic Compounds by GC/MS (Continued)</b>											
<b>Method: SW8270D / SW3510 (Continued)</b>											
Butyl benzyl phthalate	< 0.539	1.08			ug/L	0.252	0.539	09/30/20 12:19	B0I0881	CP1	1
Carbazole	< 0.539	1.08			ug/L	0.186	0.539	09/30/20 12:19	B0I0881	CP1	1
Chrysene	< 0.324	0.647			ug/L	0.137	0.324	09/30/20 12:19	B0I0881	CP1	1
Dibenzo(a,h)anthracene	< 1.08	2.16			ug/L	0.477	1.08	09/30/20 12:19	B0I0881	CP1	1
Dibenzofuran	< 0.324	0.647			ug/L	0.132	0.324	09/30/20 12:19	B0I0881	CP1	1
Diethyl phthalate	< 3.24	6.47			ug/L	1.26	3.24	09/30/20 12:19	B0I0881	CP1	1
Dimethyl phthalate	< 0.324	0.647			ug/L	0.0953	0.324	09/30/20 12:19	B0I0881	CP1	1
Di-n-butyl phthalate	< 6.47	10.8			ug/L	3.11	6.47	09/30/20 12:19	B0I0881	CP1	1
Di-n-octyl phthalate	< 5.39	10.8			ug/L	2.04	5.39	09/30/20 12:19	B0I0881	CP1	1
Fluoranthene	< 0.539	1.08			ug/L	0.212	0.539	09/30/20 12:19	B0I0881	CP1	1
Fluorene	< 0.324	0.647			ug/L	0.134	0.324	09/30/20 12:19	B0I0881	CP1	1
Hexachlorobenzene	< 0.539	1.08			ug/L	0.178	0.539	09/30/20 12:19	B0I0881	CP1	1
Hexachlorobutadiene	< 0.539	1.08			ug/L	0.270	0.539	09/30/20 12:19	B0I0881	CP1	1
Hexachlorocyclopentadiene	< 5.39	16.2			ug/L	2.36	5.39	09/30/20 12:19	B0I0881	CP1	1
Hexachloroethane	< 0.539	1.08			ug/L	0.237	0.539	09/30/20 12:19	B0I0881	CP1	1
Indeno(1,2,3-cd)pyrene	< 1.08	2.16			ug/L	0.542	1.08	09/30/20 12:19	B0I0881	CP1	1
Isophorone	< 0.324	0.647			ug/L	0.119	0.324	09/30/20 12:19	B0I0881	CP1	1
Naphthalene	< 2.16	4.32			ug/L	0.880	2.16	09/30/20 12:19	B0I0881	CP1	1
Nitrobenzene	< 0.324	0.647			ug/L	0.151	0.324	09/30/20 12:19	B0I0881	CP1	1
N-Nitrosodimethylamine	< 0.539	1.08			ug/L	0.168	0.539	09/30/20 12:19	B0I0881	CP1	1
N-Nitrosodi-n-propylamine	< 1.08	2.16			ug/L	0.344	1.08	09/30/20 12:19	B0I0881	CP1	1
N-Nitrosodiphenylamine	< 0.324	0.647			ug/L	0.112	0.324	09/30/20 12:19	B0I0881	CP1	1
Pentachlorophenol	< 10.8	32.4			ug/L	2.72	10.8	09/30/20 12:19	B0I0881	CP1	1
Phenanthrene	< 0.539	1.08			ug/L	0.222	0.539	09/30/20 12:19	B0I0881	CP1	1
Phenol	< 0.539	1.08			ug/L	0.184	0.539	09/30/20 12:19	B0I0881	CP1	1
Pyrene	< 0.539	1.08			ug/L	0.224	0.539	09/30/20 12:19	B0I0881	CP1	1
<i>Surrogate: 2-Fluorophenol</i>					<i>Recovery: 42%</i>	<i>Limits: 10-88</i>		<i>09/30/20 12:19</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: Phenol-d5</i>					<i>Recovery: 32%</i>	<i>Limits: 10-65</i>		<i>09/30/20 12:19</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: Nitrobenzene-d5</i>					<i>Recovery: 73%</i>	<i>Limits: 25-128</i>		<i>09/30/20 12:19</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: 2-Fluorobiphenyl</i>					<i>Recovery: 71%</i>	<i>Limits: 24-114</i>		<i>09/30/20 12:19</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: 2,4,6-Tribromophenol</i>					<i>Recovery: 74%</i>	<i>Limits: 15-119</i>		<i>09/30/20 12:19</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: 4-Terphenyl-d14</i>					<i>Recovery: 92%</i>	<i>Limits: 29-129</i>		<i>09/30/20 12:19</i>	<i>B0I0881</i>	<i>CP1</i>	<i>1</i>

**Subcontracted Analyses****Method: SW8260-SIM Modified / SW5030**

1,4-Dioxane	< 0.200	0.500			ug/L	0.0625	0.200	10/02/20 14:06	B0J0077	CP1	1
<i>Surrogate: Toluene-d8</i>					<i>Recovery: 101%</i>	<i>Limits: 80-120</i>		<i>10/02/20 14:06</i>	<i>B0J0077</i>	<i>CP1</i>	<i>1</i>

### Client Sample Results

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-12 DUP  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 11:30  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-28

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF	
		Limit										
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>												
Method: SW8082A / SW3510												
Aroclor 1016	< 0.525	1.05			ug/L	0.223	0.525	09/30/20 19:06	B0I0905	CS2	1	
Aroclor 1221	< 0.525	0.630			ug/L	0.201	0.525	09/30/20 19:06	B0I0905	CS2	1	
Aroclor 1232	< 0.525	0.630			ug/L	0.170	0.525	09/30/20 19:06	B0I0905	CS2	1	
Aroclor 1242	< 1.05	2.10			ug/L	0.368	1.05	09/30/20 19:06	B0I0905	CS2	1	
Aroclor 1248	< 0.525	0.630			ug/L	0.168	0.525	09/30/20 19:06	B0I0905	CS2	1	
Aroclor 1254	< 0.525	0.630			ug/L	0.185	0.525	09/30/20 19:06	B0I0905	CS2	1	
Aroclor 1260	< 0.315	0.420			ug/L	0.118	0.315	09/30/20 19:06	B0I0905	CS2	1	
Total PCB	< 0.525	0.630			ug/L	0.201	0.525	09/30/20 19:06	B0I0905	CS2	1	
<i>Surrogate: Decachlorobiphenyl</i>					Recovery: 99%		Limits: 10-139		09/30/20 19:06	B0I0905	CS2	1
<i>Surrogate: 2,4,5,6-Tetrachloro-m-xylene</i>					Recovery: 64%		Limits: 26-107		09/30/20 19:06	B0I0905	CS2	1



**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-13  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 14:05  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-29

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Limit								
<b>Wet Chemistry</b>											
Method: SW9060											
Organic Carbon, Total	2.39	1.00			mg/L	0.400	0.800	10/07/20 02:12	B0J0227	TB2	1
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>											
Method: SW8082A / SW3510											
Aroclor 1016	< 0.517	1.03			ug/L	0.220	0.517	09/30/20 19:06	B0I0902	CS2	1
Aroclor 1221	< 0.517	0.621			ug/L	0.198	0.517	09/30/20 19:06	B0I0902	CS2	1
Aroclor 1232	< 0.517	0.621			ug/L	0.168	0.517	09/30/20 19:06	B0I0902	CS2	1
Aroclor 1242	< 1.03	2.07			ug/L	0.363	1.03	09/30/20 19:06	B0I0902	CS2	1
Aroclor 1248	< 0.517	0.621			ug/L	0.165	0.517	09/30/20 19:06	B0I0902	CS2	1
Aroclor 1254	< 0.517	0.621			ug/L	0.182	0.517	09/30/20 19:06	B0I0902	CS2	1
Aroclor 1260	< 0.310	0.414			ug/L	0.116	0.310	09/30/20 19:06	B0I0902	CS2	1
Total PCB	< 0.517	0.621			ug/L	0.198	0.517	09/30/20 19:06	B0I0902	CS2	1
Surrogate: Decachlorobiphenyl					Recovery: 79%	Limits: 10-139		09/30/20 19:06	B0I0902	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene					Recovery: 50%	Limits: 26-107		09/30/20 19:06	B0I0902	CS2	1
<b>Volatile Organic Compounds by GC/MS</b>											
Method: SW8260B / SW5030											
1,1,1,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.706	2.00	09/29/20 22:13	B0I0944	WZZ	1
1,1,1-Trichloroethane	< 2.00	4.00			ug/L	0.719	2.00	09/29/20 22:13	B0I0944	WZZ	1
1,1,2,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.713	2.00	09/29/20 22:13	B0I0944	WZZ	1
1,1,2-Trichloroethane	< 0.600	2.00			ug/L	0.198	0.600	09/29/20 22:13	B0I0944	WZZ	1
1,1-Dichloroethane	< 2.00	4.00			ug/L	0.691	2.00	09/29/20 22:13	B0I0944	WZZ	1
1,1-Dichloroethene	< 4.00	8.00			ug/L	1.10	4.00	09/29/20 22:13	B0I0944	WZZ	1
1,1-Dichloropropene	< 1.00	2.00			ug/L	0.462	1.00	09/29/20 22:13	B0I0944	WZZ	1
1,2,3-Trichlorobenzene	< 0.600	2.00			ug/L	0.199	0.600	09/29/20 22:13	B0I0944	WZZ	1
1,2,3-Trichloropropane	< 2.00	4.00			ug/L	0.598	2.00	09/29/20 22:13	B0I0944	WZZ	1
1,2,4-Trimethylbenzene	< 2.00	4.00			ug/L	0.753	2.00	09/29/20 22:13	B0I0944	WZZ	1
1,2-Dibromo-3-chloropropane	< 4.00	8.00			ug/L	1.22	4.00	09/29/20 22:13	B0I0944	WZZ	1
1,2-Dibromoethane	< 1.00	2.00			ug/L	0.420	1.00	09/29/20 22:13	B0I0944	WZZ	1
1,2-Dichloroethane	< 2.00	4.00			ug/L	0.731	2.00	09/29/20 22:13	B0I0944	WZZ	1
1,2-Dichloropropane	< 2.00	4.00			ug/L	0.557	2.00	09/29/20 22:13	B0I0944	WZZ	1
1,3,5-Trimethylbenzene	< 1.00	2.00			ug/L	0.351	1.00	09/29/20 22:13	B0I0944	WZZ	1
1,3-Dichloropropane	< 1.00	2.00			ug/L	0.345	1.00	09/29/20 22:13	B0I0944	WZZ	1
2,2-Dichloropropane	< 4.00	8.00			ug/L	1.03	4.00	09/29/20 22:13	B0I0944	WZZ	1
2-Butanone	< 14.0	28.0			ug/L	4.79	14.0	09/29/20 22:13	B0I0944	WZZ	1
2-Chlorotoluene	< 1.00	2.00			ug/L	0.384	1.00	09/29/20 22:13	B0I0944	WZZ	1
2-Hexanone	< 14.0	28.0			ug/L	4.74	14.0	09/29/20 22:13	B0I0944	WZZ	1
4-Isopropyltoluene	< 2.00	4.00			ug/L	0.930	2.00	09/29/20 22:13	B0I0944	WZZ	1
4-Methyl-2-pentanone	< 14.0	28.0			ug/L	4.40	14.0	09/29/20 22:13	B0I0944	WZZ	1
Acetone	< 28.0	70.0	Q, S1		ug/L	9.21	28.0	09/29/20 22:13	B0I0944	WZZ	1
Benzene	< 1.00	2.00			ug/L	0.362	1.00	09/29/20 22:13	B0I0944	WZZ	1
Bromobenzene	< 1.00	2.00			ug/L	0.354	1.00	09/29/20 22:13	B0I0944	WZZ	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-13  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 14:05  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-29 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Volatile Organic Compounds by GC/MS (Continued)</b>										
Method: SW8260B / SW5030 (Continued)										
Bromochloromethane	< 2.00	4.00		ug/L	0.861	2.00	09/29/20 22:13	B0I0944	WZZ	1
Bromodichloromethane	< 1.00	2.00		ug/L	0.458	1.00	09/29/20 22:13	B0I0944	WZZ	1
Bromoform	< 2.00	4.00		ug/L	0.570	2.00	09/29/20 22:13	B0I0944	WZZ	1
Bromomethane	< 4.00	8.00		ug/L	1.61	4.00	09/29/20 22:13	B0I0944	WZZ	1
Carbon disulfide	< 2.00	4.00		ug/L	0.739	2.00	09/29/20 22:13	B0I0944	WZZ	1
Carbon tetrachloride	< 2.00	4.00		ug/L	0.710	2.00	09/29/20 22:13	B0I0944	WZZ	1
Chlorobenzene	< 0.600	2.00		ug/L	0.170	0.600	09/29/20 22:13	B0I0944	WZZ	1
Chloroethane	< 2.00	4.00		ug/L	0.621	2.00	09/29/20 22:13	B0I0944	WZZ	1
Chloroform	< 4.00	8.00		ug/L	1.06	4.00	09/29/20 22:13	B0I0944	WZZ	1
Chloromethane	< 4.00	8.00		ug/L	1.30	4.00	09/29/20 22:13	B0I0944	WZZ	1
cis-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.652	2.00	09/29/20 22:13	B0I0944	WZZ	1
cis-1,3-Dichloropropene	< 2.00	4.00		ug/L	0.408	2.00	09/29/20 22:13	B0I0944	WZZ	1
Cyclohexane	< 1.00	2.00		ug/L	0.325	1.00	09/29/20 22:13	B0I0944	WZZ	1
Dibromochloromethane	< 2.00	4.00		ug/L	0.632	2.00	09/29/20 22:13	B0I0944	WZZ	1
Dibromomethane	< 1.00	2.00		ug/L	0.390	1.00	09/29/20 22:13	B0I0944	WZZ	1
Dichlorodifluoromethane	< 0.600	2.00		ug/L	0.186	0.600	09/29/20 22:13	B0I0944	WZZ	1
Ethylbenzene	< 1.00	2.00		ug/L	0.268	1.00	09/29/20 22:13	B0I0944	WZZ	1
Isopropylbenzene	< 1.00	2.00		ug/L	0.312	1.00	09/29/20 22:13	B0I0944	WZZ	1
m,p-Xylene	< 4.00	8.00		ug/L	1.58	4.00	09/29/20 22:13	B0I0944	WZZ	1
Methyl tert-butyl ether	< 2.00	4.00		ug/L	0.838	2.00	09/29/20 22:13	B0I0944	WZZ	1
Methylene chloride	< 4.00	8.00		ug/L	1.02	4.00	09/29/20 22:13	B0I0944	WZZ	1
n-Butylbenzene	< 1.00	2.00		ug/L	0.295	1.00	09/29/20 22:13	B0I0944	WZZ	1
n-Propylbenzene	< 1.00	2.00		ug/L	0.289	1.00	09/29/20 22:13	B0I0944	WZZ	1
o-Xylene	< 1.00	2.00		ug/L	0.324	1.00	09/29/20 22:13	B0I0944	WZZ	1
sec-Butylbenzene	< 0.600	2.00		ug/L	0.223	0.600	09/29/20 22:13	B0I0944	WZZ	1
Styrene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 22:13	B0I0944	WZZ	1
tert-Butylbenzene	< 2.00	4.00		ug/L	0.800	2.00	09/29/20 22:13	B0I0944	WZZ	1
Tetrachloroethene	< 2.00	4.00		ug/L	0.646	2.00	09/29/20 22:13	B0I0944	WZZ	1
Toluene	< 2.00	4.00		ug/L	0.510	2.00	09/29/20 22:13	B0I0944	WZZ	1
trans-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.566	2.00	09/29/20 22:13	B0I0944	WZZ	1
trans-1,3-Dichloropropene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 22:13	B0I0944	WZZ	1
Trichloroethene	< 2.00	4.00		ug/L	0.939	2.00	09/29/20 22:13	B0I0944	WZZ	1
Trichlorofluoromethane	< 2.00	4.00		ug/L	0.503	2.00	09/29/20 22:13	B0I0944	WZZ	1
Vinyl chloride	< 2.00	4.00		ug/L	0.582	2.00	09/29/20 22:13	B0I0944	WZZ	1
Xylenes, Total	< 6.00	12.0		ug/L	1.62	6.00	09/29/20 22:13	B0I0944	WZZ	1
Surrogate: Dibromofluoromethane				Recovery: 102%	Limits: 84-137		09/29/20 22:13	B0I0944	WZZ	1
Surrogate: 1,2-Dichloroethane-d4				Recovery: 103%	Limits: 74-140		09/29/20 22:13	B0I0944	WZZ	1
Surrogate: Fluorobenzene				Recovery: 100%	Limits: 90-105		09/29/20 22:13	B0I0944	WZZ	1
Surrogate: Toluene-d8				Recovery: 97%	Limits: 74-109		09/29/20 22:13	B0I0944	WZZ	1
Surrogate: 4-Bromofluorobenzene				Recovery: 101%	Limits: 86-128		09/29/20 22:13	B0I0944	WZZ	1
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 101%	Limits: 90-128		09/29/20 22:13	B0I0944	WZZ	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-13  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 14:05  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-29 (Continued)

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Limit								
<b>Semivolatile Organic Compounds by GC/MS</b>											
Method: SW8270D / SW3510											
1,2,4-Trichlorobenzene	< 1.04	2.07			ug/L	0.290	1.04	09/30/20 12:40	B0I0881	CP1	1
1,2-Dichlorobenzene	< 1.04	2.07			ug/L	0.311	1.04	09/30/20 12:40	B0I0881	CP1	1
1,3-Dichlorobenzene	< 1.04	2.07			ug/L	0.321	1.04	09/30/20 12:40	B0I0881	CP1	1
1,4-Dichlorobenzene	< 1.04	2.07			ug/L	0.290	1.04	09/30/20 12:40	B0I0881	CP1	1
2,4,5-Trichlorophenol	< 0.518	1.04			ug/L	0.134	0.518	09/30/20 12:40	B0I0881	CP1	1
2,4,6-Trichlorophenol	< 0.518	1.04			ug/L	0.252	0.518	09/30/20 12:40	B0I0881	CP1	1
2,4-Dichlorophenol	< 0.518	1.04			ug/L	0.0816	0.518	09/30/20 12:40	B0I0881	CP1	1
2,4-Dimethylphenol	< 1.04	2.07			ug/L	0.122	1.04	09/30/20 12:40	B0I0881	CP1	1
2,4-Dinitrophenol	< 10.4	31.1			ug/L	3.43	10.4	09/30/20 12:40	B0I0881	CP1	1
2,4-Dinitrotoluene	< 1.04	2.07			ug/L	0.261	1.04	09/30/20 12:40	B0I0881	CP1	1
2,6-Dinitrotoluene	< 0.518	1.04			ug/L	0.238	0.518	09/30/20 12:40	B0I0881	CP1	1
2-Chloronaphthalene	< 0.311	0.622			ug/L	0.110	0.311	09/30/20 12:40	B0I0881	CP1	1
2-Chlorophenol	< 0.518	1.04			ug/L	0.159	0.518	09/30/20 12:40	B0I0881	CP1	1
2-Methylnaphthalene	< 2.07	4.14			ug/L	0.663	2.07	09/30/20 12:40	B0I0881	CP1	1
2-Methylphenol	< 0.518	1.04			ug/L	0.189	0.518	09/30/20 12:40	B0I0881	CP1	1
2-Nitroaniline	< 10.4	31.1			ug/L	2.65	10.4	09/30/20 12:40	B0I0881	CP1	1
2-Nitrophenol	< 0.518	1.04			ug/L	0.217	0.518	09/30/20 12:40	B0I0881	CP1	1
3,3'-Dichlorobenzidine	< 10.4	20.7			ug/L	3.28	10.4	09/30/20 12:40	B0I0881	CP1	1
3 & 4-Methylphenol	< 0.518	1.04			ug/L	0.186	0.518	09/30/20 12:40	B0I0881	CP1	1
3-Nitroaniline	< 1.04	2.07			ug/L	0.373	1.04	09/30/20 12:40	B0I0881	CP1	1
4,6-Dinitro-2-methylphenol	< 5.18	15.5			ug/L	2.54	5.18	09/30/20 12:40	B0I0881	CP1	1
4-Bromophenyl-phenylether	< 0.518	1.04			ug/L	0.166	0.518	09/30/20 12:40	B0I0881	CP1	1
4-Chloro-3-methylphenol	< 0.207	0.518			ug/L	0.0739	0.207	09/30/20 12:40	B0I0881	CP1	1
4-Chloroaniline	< 0.311	0.622			ug/L	0.111	0.311	09/30/20 12:40	B0I0881	CP1	1
4-Chlorophenyl-phenylether	< 0.518	1.04			ug/L	0.151	0.518	09/30/20 12:40	B0I0881	CP1	1
4-Nitroaniline	< 10.4	31.1			ug/L	3.91	10.4	09/30/20 12:40	B0I0881	CP1	1
4-Nitrophenol	< 5.18	15.5			ug/L	1.49	5.18	09/30/20 12:40	B0I0881	CP1	1
Acenaphthene	< 0.311	0.622			ug/L	0.108	0.311	09/30/20 12:40	B0I0881	CP1	1
Acenaphthylene	< 0.311	0.622			ug/L	0.135	0.311	09/30/20 12:40	B0I0881	CP1	1
Anthracene	< 0.311	0.622			ug/L	0.115	0.311	09/30/20 12:40	B0I0881	CP1	1
Azobenzene as 1,2-Diphenylhydrazine	< 0.311	1.04			ug/L	0.0794	0.311	09/30/20 12:40	B0I0881	CP1	1
Benzidine	< 41.4	82.9			ug/L	17.2	41.4	09/30/20 12:40	B0I0881	CP1	1
Benzo(a)anthracene	< 0.311	0.622			ug/L	0.128	0.311	09/30/20 12:40	B0I0881	CP1	1
Benzo(a)pyrene	< 1.04	2.07			ug/L	0.389	1.04	09/30/20 12:40	B0I0881	CP1	1
Benzo(b)fluoranthene	< 1.04	2.07			ug/L	0.386	1.04	09/30/20 12:40	B0I0881	CP1	1
Benzo(g,h,i)perylene	< 1.04	2.07			ug/L	0.414	1.04	09/30/20 12:40	B0I0881	CP1	1
Benzo(k)fluoranthene	< 0.518	2.07			ug/L	0.258	0.518	09/30/20 12:40	B0I0881	CP1	1
Benzoic acid	< 24.9	41.4			ug/L	12.2	24.9	09/30/20 12:40	B0I0881	CP1	1
Benzyl alcohol	< 2.07	4.14			ug/L	0.570	2.07	09/30/20 12:40	B0I0881	CP1	1
Bis(2-chloroethoxy)methane	< 0.518	1.04			ug/L	0.140	0.518	09/30/20 12:40	B0I0881	CP1	1
Bis(2-chloroethyl)ether	< 0.518	1.04			ug/L	0.182	0.518	09/30/20 12:40	B0I0881	CP1	1
Bis(2-chloroisopropyl)ether	< 0.518	1.04			ug/L	0.133	0.518	09/30/20 12:40	B0I0881	CP1	1
Bis(2-ethylhexyl)phthalate	< 10.4	20.7			ug/L	3.76	10.4	09/30/20 12:40	B0I0881	CP1	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-13  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 14:05  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-29 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Semivolatile Organic Compounds by GC/MS (Continued)</b>										
Method: SW8270D / SW3510 (Continued)										
Butyl benzyl phthalate	< 0.518	1.04		ug/L	0.242	0.518	09/30/20 12:40	B0I0881	CP1	1
Carbazole	< 0.518	1.04		ug/L	0.179	0.518	09/30/20 12:40	B0I0881	CP1	1
Chrysene	< 0.311	0.622		ug/L	0.131	0.311	09/30/20 12:40	B0I0881	CP1	1
Dibenzo(a,h)anthracene	< 1.04	2.07		ug/L	0.458	1.04	09/30/20 12:40	B0I0881	CP1	1
Dibenzofuran	< 0.311	0.622		ug/L	0.127	0.311	09/30/20 12:40	B0I0881	CP1	1
Diethyl phthalate	< 3.11	6.22		ug/L	1.21	3.11	09/30/20 12:40	B0I0881	CP1	1
Dimethyl phthalate	< 0.311	0.622		ug/L	0.0915	0.311	09/30/20 12:40	B0I0881	CP1	1
Di-n-butyl phthalate	< 6.22	10.4		ug/L	2.98	6.22	09/30/20 12:40	B0I0881	CP1	1
Di-n-octyl phthalate	< 5.18	10.4		ug/L	1.96	5.18	09/30/20 12:40	B0I0881	CP1	1
Fluoranthene	< 0.518	1.04		ug/L	0.203	0.518	09/30/20 12:40	B0I0881	CP1	1
Fluorene	< 0.311	0.622		ug/L	0.128	0.311	09/30/20 12:40	B0I0881	CP1	1
Hexachlorobenzene	< 0.518	1.04		ug/L	0.171	0.518	09/30/20 12:40	B0I0881	CP1	1
Hexachlorobutadiene	< 0.518	1.04		ug/L	0.259	0.518	09/30/20 12:40	B0I0881	CP1	1
Hexachlorocyclopentadiene	< 5.18	15.5		ug/L	2.27	5.18	09/30/20 12:40	B0I0881	CP1	1
Hexachloroethane	< 0.518	1.04		ug/L	0.228	0.518	09/30/20 12:40	B0I0881	CP1	1
Indeno(1,2,3-cd)pyrene	< 1.04	2.07		ug/L	0.521	1.04	09/30/20 12:40	B0I0881	CP1	1
Isophorone	< 0.311	0.622		ug/L	0.114	0.311	09/30/20 12:40	B0I0881	CP1	1
Naphthalene	< 2.07	4.14		ug/L	0.845	2.07	09/30/20 12:40	B0I0881	CP1	1
Nitrobenzene	< 0.311	0.622		ug/L	0.145	0.311	09/30/20 12:40	B0I0881	CP1	1
N-Nitrosodimethylamine	< 0.518	1.04		ug/L	0.161	0.518	09/30/20 12:40	B0I0881	CP1	1
N-Nitrosodi-n-propylamine	< 1.04	2.07		ug/L	0.330	1.04	09/30/20 12:40	B0I0881	CP1	1
N-Nitrosodiphenylamine	< 0.311	0.622		ug/L	0.108	0.311	09/30/20 12:40	B0I0881	CP1	1
Pentachlorophenol	< 10.4	31.1		ug/L	2.61	10.4	09/30/20 12:40	B0I0881	CP1	1
Phenanthrene	< 0.518	1.04		ug/L	0.213	0.518	09/30/20 12:40	B0I0881	CP1	1
Phenol	< 0.518	1.04		ug/L	0.177	0.518	09/30/20 12:40	B0I0881	CP1	1
Pyrene	< 0.518	1.04		ug/L	0.215	0.518	09/30/20 12:40	B0I0881	CP1	1
Surrogate: 2-Fluorophenol				Recovery: 36%	Limits: 10-88		09/30/20 12:40	B0I0881	CP1	1
Surrogate: Phenol-d5				Recovery: 30%	Limits: 10-65		09/30/20 12:40	B0I0881	CP1	1
Surrogate: Nitrobenzene-d5				Recovery: 60%	Limits: 25-128		09/30/20 12:40	B0I0881	CP1	1
Surrogate: 2-Fluorobiphenyl				Recovery: 60%	Limits: 24-114		09/30/20 12:40	B0I0881	CP1	1
Surrogate: 2,4,6-Tribromophenol				Recovery: 66%	Limits: 15-119		09/30/20 12:40	B0I0881	CP1	1
Surrogate: 4-Terphenyl-d14				Recovery: 85%	Limits: 29-129		09/30/20 12:40	B0I0881	CP1	1

**Subcontracted Analyses**

Method: SW8260-SIM Modified / SW5030

1,4-Dioxane	< 0.200	0.500		ug/L	0.0625	0.200	10/02/20 14:30	B0J0077	CP1	1
Surrogate: Toluene-d8				Recovery: 100%	Limits: 80-120		10/02/20 14:30	B0J0077	CP1	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-13  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 14:05  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-30

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF	
		Limit										
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>												
Method: SW8082A / SW3510												
Aroclor 1016	< 0.513	1.03			ug/L	0.218	0.513	09/30/20 19:23	B0I0905	CS2	1	
Aroclor 1221	< 0.513	0.616			ug/L	0.196	0.513	09/30/20 19:23	B0I0905	CS2	1	
Aroclor 1232	< 0.513	0.616			ug/L	0.166	0.513	09/30/20 19:23	B0I0905	CS2	1	
Aroclor 1242	< 1.03	2.05			ug/L	0.360	1.03	09/30/20 19:23	B0I0905	CS2	1	
Aroclor 1248	< 0.513	0.616			ug/L	0.164	0.513	09/30/20 19:23	B0I0905	CS2	1	
Aroclor 1254	< 0.513	0.616			ug/L	0.180	0.513	09/30/20 19:23	B0I0905	CS2	1	
Aroclor 1260	< 0.308	0.410			ug/L	0.115	0.308	09/30/20 19:23	B0I0905	CS2	1	
Total PCB	< 0.513	0.616			ug/L	0.196	0.513	09/30/20 19:23	B0I0905	CS2	1	
<i>Surrogate: Decachlorobiphenyl</i>					Recovery: 96%		Limits: 10-139		09/30/20 19:23	B0I0905	CS2	1
<i>Surrogate: 2,4,5,6-Tetrachloro-m-xylene</i>					Recovery: 60%		Limits: 26-107		09/30/20 19:23	B0I0905	CS2	1



**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-14  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 14:35  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-31

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Wet Chemistry</b>										
Method: SW9060										
Organic Carbon, Total	2.84	1.00		mg/L	0.400	0.800	10/07/20 02:35	B0J0227	TB2	1
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>										
Method: SW8082A / SW3510										
Aroclor 1016	< 0.531	1.06		ug/L	0.225	0.531	09/30/20 19:23	B0I0902	CS2	1
Aroclor 1221	< 0.531	0.637		ug/L	0.203	0.531	09/30/20 19:23	B0I0902	CS2	1
Aroclor 1232	< 0.531	0.637		ug/L	0.172	0.531	09/30/20 19:23	B0I0902	CS2	1
Aroclor 1242	< 1.06	2.12		ug/L	0.372	1.06	09/30/20 19:23	B0I0902	CS2	1
Aroclor 1248	< 0.531	0.637		ug/L	0.170	0.531	09/30/20 19:23	B0I0902	CS2	1
Aroclor 1254	< 0.531	0.637		ug/L	0.186	0.531	09/30/20 19:23	B0I0902	CS2	1
Aroclor 1260	< 0.318	0.425		ug/L	0.119	0.318	09/30/20 19:23	B0I0902	CS2	1
Total PCB	< 0.531	0.637		ug/L	0.203	0.531	09/30/20 19:23	B0I0902	CS2	1
Surrogate: Decachlorobiphenyl				Recovery: 83%	Limits: 10-139		09/30/20 19:23	B0I0902	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene				Recovery: 50%	Limits: 26-107		09/30/20 19:23	B0I0902	CS2	1
<b>Volatile Organic Compounds by GC/MS</b>										
Method: SW8260B / SW5030										
1,1,1,2-Tetrachloroethane	< 2.00	4.00		ug/L	0.706	2.00	09/29/20 22:39	B0I0944	WZZ	1
1,1,1-Trichloroethane	< 2.00	4.00		ug/L	0.719	2.00	09/29/20 22:39	B0I0944	WZZ	1
1,1,2,2-Tetrachloroethane	< 2.00	4.00		ug/L	0.713	2.00	09/29/20 22:39	B0I0944	WZZ	1
1,1,2-Trichloroethane	< 0.600	2.00		ug/L	0.198	0.600	09/29/20 22:39	B0I0944	WZZ	1
1,1-Dichloroethane	< 2.00	4.00		ug/L	0.691	2.00	09/29/20 22:39	B0I0944	WZZ	1
1,1-Dichloroethene	< 4.00	8.00		ug/L	1.10	4.00	09/29/20 22:39	B0I0944	WZZ	1
1,1-Dichloropropene	< 1.00	2.00		ug/L	0.462	1.00	09/29/20 22:39	B0I0944	WZZ	1
1,2,3-Trichlorobenzene	< 0.600	2.00		ug/L	0.199	0.600	09/29/20 22:39	B0I0944	WZZ	1
1,2,3-Trichloropropane	< 2.00	4.00		ug/L	0.598	2.00	09/29/20 22:39	B0I0944	WZZ	1
1,2,4-Trimethylbenzene	< 2.00	4.00		ug/L	0.753	2.00	09/29/20 22:39	B0I0944	WZZ	1
1,2-Dibromo-3-chloropropane	< 4.00	8.00		ug/L	1.22	4.00	09/29/20 22:39	B0I0944	WZZ	1
1,2-Dibromoethane	< 1.00	2.00		ug/L	0.420	1.00	09/29/20 22:39	B0I0944	WZZ	1
1,2-Dichloroethane	< 2.00	4.00		ug/L	0.731	2.00	09/29/20 22:39	B0I0944	WZZ	1
1,2-Dichloropropane	< 2.00	4.00		ug/L	0.557	2.00	09/29/20 22:39	B0I0944	WZZ	1
1,3,5-Trimethylbenzene	< 1.00	2.00		ug/L	0.351	1.00	09/29/20 22:39	B0I0944	WZZ	1
1,3-Dichloropropane	< 1.00	2.00		ug/L	0.345	1.00	09/29/20 22:39	B0I0944	WZZ	1
2,2-Dichloropropane	< 4.00	8.00		ug/L	1.03	4.00	09/29/20 22:39	B0I0944	WZZ	1
2-Butanone	< 14.0	28.0		ug/L	4.79	14.0	09/29/20 22:39	B0I0944	WZZ	1
2-Chlorotoluene	< 1.00	2.00		ug/L	0.384	1.00	09/29/20 22:39	B0I0944	WZZ	1
2-Hexanone	< 14.0	28.0		ug/L	4.74	14.0	09/29/20 22:39	B0I0944	WZZ	1
4-Isopropyltoluene	< 2.00	4.00		ug/L	0.930	2.00	09/29/20 22:39	B0I0944	WZZ	1
4-Methyl-2-pentanone	< 14.0	28.0		ug/L	4.40	14.0	09/29/20 22:39	B0I0944	WZZ	1
Acetone	< 28.0	70.0	Q, S1	ug/L	9.21	28.0	09/29/20 22:39	B0I0944	WZZ	1
Benzene	< 1.00	2.00		ug/L	0.362	1.00	09/29/20 22:39	B0I0944	WZZ	1
Bromobenzene	< 1.00	2.00		ug/L	0.354	1.00	09/29/20 22:39	B0I0944	WZZ	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-14  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 14:35  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-31 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Volatile Organic Compounds by GC/MS (Continued)</b>										
Method: SW8260B / SW5030 (Continued)										
Bromochloromethane	< 2.00	4.00		ug/L	0.861	2.00	09/29/20 22:39	B0I0944	WZZ	1
Bromodichloromethane	< 1.00	2.00		ug/L	0.458	1.00	09/29/20 22:39	B0I0944	WZZ	1
Bromoform	< 2.00	4.00		ug/L	0.570	2.00	09/29/20 22:39	B0I0944	WZZ	1
Bromomethane	< 4.00	8.00		ug/L	1.61	4.00	09/29/20 22:39	B0I0944	WZZ	1
Carbon disulfide	< 2.00	4.00		ug/L	0.739	2.00	09/29/20 22:39	B0I0944	WZZ	1
Carbon tetrachloride	< 2.00	4.00		ug/L	0.710	2.00	09/29/20 22:39	B0I0944	WZZ	1
Chlorobenzene	< 0.600	2.00		ug/L	0.170	0.600	09/29/20 22:39	B0I0944	WZZ	1
Chloroethane	< 2.00	4.00		ug/L	0.621	2.00	09/29/20 22:39	B0I0944	WZZ	1
Chloroform	< 4.00	8.00		ug/L	1.06	4.00	09/29/20 22:39	B0I0944	WZZ	1
Chloromethane	< 4.00	8.00		ug/L	1.30	4.00	09/29/20 22:39	B0I0944	WZZ	1
<b>cis-1,2-Dichloroethene</b>	<b>21.7</b>	4.00		ug/L	0.652	2.00	09/29/20 22:39	B0I0944	WZZ	1
cis-1,3-Dichloropropene	< 2.00	4.00		ug/L	0.408	2.00	09/29/20 22:39	B0I0944	WZZ	1
Cyclohexane	< 1.00	2.00		ug/L	0.325	1.00	09/29/20 22:39	B0I0944	WZZ	1
Dibromochloromethane	< 2.00	4.00		ug/L	0.632	2.00	09/29/20 22:39	B0I0944	WZZ	1
Dibromomethane	< 1.00	2.00		ug/L	0.390	1.00	09/29/20 22:39	B0I0944	WZZ	1
Dichlorodifluoromethane	< 0.600	2.00		ug/L	0.186	0.600	09/29/20 22:39	B0I0944	WZZ	1
Ethylbenzene	< 1.00	2.00		ug/L	0.268	1.00	09/29/20 22:39	B0I0944	WZZ	1
Isopropylbenzene	< 1.00	2.00		ug/L	0.312	1.00	09/29/20 22:39	B0I0944	WZZ	1
m,p-Xylene	< 4.00	8.00		ug/L	1.58	4.00	09/29/20 22:39	B0I0944	WZZ	1
Methyl tert-butyl ether	< 2.00	4.00		ug/L	0.838	2.00	09/29/20 22:39	B0I0944	WZZ	1
Methylene chloride	< 4.00	8.00		ug/L	1.02	4.00	09/29/20 22:39	B0I0944	WZZ	1
n-Butylbenzene	< 1.00	2.00		ug/L	0.295	1.00	09/29/20 22:39	B0I0944	WZZ	1
n-Propylbenzene	< 1.00	2.00		ug/L	0.289	1.00	09/29/20 22:39	B0I0944	WZZ	1
o-Xylene	< 1.00	2.00		ug/L	0.324	1.00	09/29/20 22:39	B0I0944	WZZ	1
sec-Butylbenzene	< 0.600	2.00		ug/L	0.223	0.600	09/29/20 22:39	B0I0944	WZZ	1
Styrene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 22:39	B0I0944	WZZ	1
tert-Butylbenzene	< 2.00	4.00		ug/L	0.800	2.00	09/29/20 22:39	B0I0944	WZZ	1
Tetrachloroethene	< 2.00	4.00		ug/L	0.646	2.00	09/29/20 22:39	B0I0944	WZZ	1
Toluene	< 2.00	4.00		ug/L	0.510	2.00	09/29/20 22:39	B0I0944	WZZ	1
trans-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.566	2.00	09/29/20 22:39	B0I0944	WZZ	1
trans-1,3-Dichloropropene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 22:39	B0I0944	WZZ	1
Trichloroethene	< 2.00	4.00		ug/L	0.939	2.00	09/29/20 22:39	B0I0944	WZZ	1
Trichlorofluoromethane	< 2.00	4.00		ug/L	0.503	2.00	09/29/20 22:39	B0I0944	WZZ	1
Vinyl chloride	< 2.00	4.00		ug/L	0.582	2.00	09/29/20 22:39	B0I0944	WZZ	1
Xylenes, Total	< 6.00	12.0		ug/L	1.62	6.00	09/29/20 22:39	B0I0944	WZZ	1
<i>Surrogate: Dibromofluoromethane</i>				<i>Recovery: 103%</i>	<i>Limits: 84-137</i>		<i>09/29/20 22:39</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>				<i>Recovery: 102%</i>	<i>Limits: 74-140</i>		<i>09/29/20 22:39</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Fluorobenzene</i>				<i>Recovery: 99%</i>	<i>Limits: 90-105</i>		<i>09/29/20 22:39</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Toluene-d8</i>				<i>Recovery: 100%</i>	<i>Limits: 74-109</i>		<i>09/29/20 22:39</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 4-Bromofluorobenzene</i>				<i>Recovery: 101%</i>	<i>Limits: 86-128</i>		<i>09/29/20 22:39</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>				<i>Recovery: 99%</i>	<i>Limits: 90-128</i>		<i>09/29/20 22:39</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-14  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 14:35  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-31 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Semivolatile Organic Compounds by GC/MS</b>										
Method: SW8270D / SW3510										
1,2,4-Trichlorobenzene	< 1.06	2.12		ug/L	0.297	1.06	09/30/20 13:01	B0I0881	CP1	1
1,2-Dichlorobenzene	< 1.06	2.12		ug/L	0.318	1.06	09/30/20 13:01	B0I0881	CP1	1
1,3-Dichlorobenzene	< 1.06	2.12		ug/L	0.329	1.06	09/30/20 13:01	B0I0881	CP1	1
1,4-Dichlorobenzene	< 1.06	2.12		ug/L	0.297	1.06	09/30/20 13:01	B0I0881	CP1	1
2,4,5-Trichlorophenol	< 0.531	1.06		ug/L	0.137	0.531	09/30/20 13:01	B0I0881	CP1	1
2,4,6-Trichlorophenol	< 0.531	1.06		ug/L	0.259	0.531	09/30/20 13:01	B0I0881	CP1	1
2,4-Dichlorophenol	< 0.531	1.06		ug/L	0.0836	0.531	09/30/20 13:01	B0I0881	CP1	1
2,4-Dimethylphenol	< 1.06	2.12		ug/L	0.125	1.06	09/30/20 13:01	B0I0881	CP1	1
2,4-Dinitrophenol	< 10.6	31.8		ug/L	3.51	10.6	09/30/20 13:01	B0I0881	CP1	1
2,4-Dinitrotoluene	< 1.06	2.12		ug/L	0.267	1.06	09/30/20 13:01	B0I0881	CP1	1
2,6-Dinitrotoluene	< 0.531	1.06		ug/L	0.244	0.531	09/30/20 13:01	B0I0881	CP1	1
2-Chloronaphthalene	< 0.318	0.637		ug/L	0.112	0.318	09/30/20 13:01	B0I0881	CP1	1
2-Chlorophenol	< 0.531	1.06		ug/L	0.163	0.531	09/30/20 13:01	B0I0881	CP1	1
2-Methylnaphthalene	< 2.12	4.25		ug/L	0.679	2.12	09/30/20 13:01	B0I0881	CP1	1
2-Methylphenol	< 0.531	1.06		ug/L	0.194	0.531	09/30/20 13:01	B0I0881	CP1	1
2-Nitroaniline	< 10.6	31.8		ug/L	2.72	10.6	09/30/20 13:01	B0I0881	CP1	1
2-Nitrophenol	< 0.531	1.06		ug/L	0.222	0.531	09/30/20 13:01	B0I0881	CP1	1
3,3'-Dichlorobenzidine	< 10.6	21.2		ug/L	3.36	10.6	09/30/20 13:01	B0I0881	CP1	1
3 & 4-Methylphenol	< 0.531	1.06		ug/L	0.190	0.531	09/30/20 13:01	B0I0881	CP1	1
3-Nitroaniline	< 1.06	2.12		ug/L	0.382	1.06	09/30/20 13:01	B0I0881	CP1	1
4,6-Dinitro-2-methylphenol	< 5.31	15.9		ug/L	2.60	5.31	09/30/20 13:01	B0I0881	CP1	1
4-Bromophenyl-phenylether	< 0.531	1.06		ug/L	0.170	0.531	09/30/20 13:01	B0I0881	CP1	1
4-Chloro-3-methylphenol	< 0.212	0.531		ug/L	0.0757	0.212	09/30/20 13:01	B0I0881	CP1	1
4-Chloroaniline	< 0.318	0.637		ug/L	0.113	0.318	09/30/20 13:01	B0I0881	CP1	1
4-Chlorophenyl-phenylether	< 0.531	1.06		ug/L	0.155	0.531	09/30/20 13:01	B0I0881	CP1	1
4-Nitroaniline	< 10.6	31.8		ug/L	4.01	10.6	09/30/20 13:01	B0I0881	CP1	1
4-Nitrophenol	< 5.31	15.9		ug/L	1.53	5.31	09/30/20 13:01	B0I0881	CP1	1
Acenaphthene	< 0.318	0.637		ug/L	0.110	0.318	09/30/20 13:01	B0I0881	CP1	1
Acenaphthylene	< 0.318	0.637		ug/L	0.138	0.318	09/30/20 13:01	B0I0881	CP1	1
Anthracene	< 0.318	0.637		ug/L	0.118	0.318	09/30/20 13:01	B0I0881	CP1	1
Azobenzene as 1,2-Diphenylhydrazine	< 0.318	1.06		ug/L	0.0814	0.318	09/30/20 13:01	B0I0881	CP1	1
Benzidine	< 42.5	84.9		ug/L	17.6	42.5	09/30/20 13:01	B0I0881	CP1	1
Benzo(a)anthracene	< 0.318	0.637		ug/L	0.131	0.318	09/30/20 13:01	B0I0881	CP1	1
Benzo(a)pyrene	< 1.06	2.12		ug/L	0.399	1.06	09/30/20 13:01	B0I0881	CP1	1
Benzo(b)fluoranthene	< 1.06	2.12		ug/L	0.395	1.06	09/30/20 13:01	B0I0881	CP1	1
Benzo(g,h,i)perylene	< 1.06	2.12		ug/L	0.424	1.06	09/30/20 13:01	B0I0881	CP1	1
Benzo(k)fluoranthene	< 0.531	2.12		ug/L	0.264	0.531	09/30/20 13:01	B0I0881	CP1	1
Benzoic acid	< 25.5	42.5		ug/L	12.5	25.5	09/30/20 13:01	B0I0881	CP1	1
Benzyl alcohol	< 2.12	4.25		ug/L	0.584	2.12	09/30/20 13:01	B0I0881	CP1	1
Bis(2-chloroethoxy)methane	< 0.531	1.06		ug/L	0.144	0.531	09/30/20 13:01	B0I0881	CP1	1
Bis(2-chloroethyl)ether	< 0.531	1.06		ug/L	0.187	0.531	09/30/20 13:01	B0I0881	CP1	1
Bis(2-chloroisopropyl)ether	< 0.531	1.06		ug/L	0.136	0.531	09/30/20 13:01	B0I0881	CP1	1
Bis(2-ethylhexyl)phthalate	< 10.6	21.2		ug/L	3.85	10.6	09/30/20 13:01	B0I0881	CP1	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec COnsultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-14  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 14:35  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-31 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Semivolatile Organic Compounds by GC/MS (Continued)</b>										
Method: SW8270D / SW3510 (Continued)										
Butyl benzyl phthalate	< 0.531	1.06		ug/L	0.248	0.531	09/30/20 13:01	B0I0881	CP1	1
Carbazole	< 0.531	1.06		ug/L	0.183	0.531	09/30/20 13:01	B0I0881	CP1	1
Chrysene	< 0.318	0.637		ug/L	0.134	0.318	09/30/20 13:01	B0I0881	CP1	1
Dibenzo(a,h)anthracene	< 1.06	2.12		ug/L	0.469	1.06	09/30/20 13:01	B0I0881	CP1	1
Dibenzofuran	< 0.318	0.637		ug/L	0.130	0.318	09/30/20 13:01	B0I0881	CP1	1
Diethyl phthalate	< 3.18	6.37		ug/L	1.24	3.18	09/30/20 13:01	B0I0881	CP1	1
Dimethyl phthalate	< 0.318	0.637		ug/L	0.0937	0.318	09/30/20 13:01	B0I0881	CP1	1
Di-n-butyl phthalate	< 6.37	10.6		ug/L	3.06	6.37	09/30/20 13:01	B0I0881	CP1	1
Di-n-octyl phthalate	< 5.31	10.6		ug/L	2.00	5.31	09/30/20 13:01	B0I0881	CP1	1
Fluoranthene	< 0.531	1.06		ug/L	0.208	0.531	09/30/20 13:01	B0I0881	CP1	1
Fluorene	< 0.318	0.637		ug/L	0.131	0.318	09/30/20 13:01	B0I0881	CP1	1
Hexachlorobenzene	< 0.531	1.06		ug/L	0.175	0.531	09/30/20 13:01	B0I0881	CP1	1
Hexachlorobutadiene	< 0.531	1.06		ug/L	0.265	0.531	09/30/20 13:01	B0I0881	CP1	1
Hexachlorocyclopentadiene	< 5.31	15.9		ug/L	2.32	5.31	09/30/20 13:01	B0I0881	CP1	1
Hexachloroethane	< 0.531	1.06		ug/L	0.234	0.531	09/30/20 13:01	B0I0881	CP1	1
Indeno(1,2,3-cd)pyrene	< 1.06	2.12		ug/L	0.533	1.06	09/30/20 13:01	B0I0881	CP1	1
Isophorone	< 0.318	0.637		ug/L	0.117	0.318	09/30/20 13:01	B0I0881	CP1	1
Naphthalene	< 2.12	4.25		ug/L	0.866	2.12	09/30/20 13:01	B0I0881	CP1	1
Nitrobenzene	< 0.318	0.637		ug/L	0.148	0.318	09/30/20 13:01	B0I0881	CP1	1
N-Nitrosodimethylamine	< 0.531	1.06		ug/L	0.165	0.531	09/30/20 13:01	B0I0881	CP1	1
N-Nitrosodi-n-propylamine	< 1.06	2.12		ug/L	0.338	1.06	09/30/20 13:01	B0I0881	CP1	1
N-Nitrosodiphenylamine	< 0.318	0.637		ug/L	0.110	0.318	09/30/20 13:01	B0I0881	CP1	1
Pentachlorophenol	< 10.6	31.8		ug/L	2.68	10.6	09/30/20 13:01	B0I0881	CP1	1
Phenanthrene	< 0.531	1.06		ug/L	0.219	0.531	09/30/20 13:01	B0I0881	CP1	1
Phenol	< 0.531	1.06		ug/L	0.181	0.531	09/30/20 13:01	B0I0881	CP1	1
Pyrene	< 0.531	1.06		ug/L	0.221	0.531	09/30/20 13:01	B0I0881	CP1	1
Surrogate: 2-Fluorophenol							09/30/20 13:01	B0I0881	CP1	1
Surrogate: Phenol-d5							09/30/20 13:01	B0I0881	CP1	1
Surrogate: Nitrobenzene-d5							09/30/20 13:01	B0I0881	CP1	1
Surrogate: 2-Fluorobiphenyl							09/30/20 13:01	B0I0881	CP1	1
Surrogate: 2,4,6-Tribromophenol							09/30/20 13:01	B0I0881	CP1	1
Surrogate: 4-Terphenyl-d14							09/30/20 13:01	B0I0881	CP1	1

**Subcontracted Analyses**

Method: SW8260-SIM Modified / SW5030

1,4-Dioxane	< 0.200	0.500		ug/L	0.0625	0.200	10/02/20 14:55	B0J0077	CP1	1
Surrogate: Toluene-d8							10/02/20 14:55	B0J0077	CP1	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** MW-14  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 14:35  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-32

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF	
		Limit	Limit									
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>												
Method: SW8082A / SW3510												
Aroclor 1016	< 0.530	1.06			ug/L	0.225	0.530	09/30/20 19:40	B0I0905	CS2	1	
Aroclor 1221	< 0.530	0.636			ug/L	0.203	0.530	09/30/20 19:40	B0I0905	CS2	1	
Aroclor 1232	< 0.530	0.636			ug/L	0.172	0.530	09/30/20 19:40	B0I0905	CS2	1	
Aroclor 1242	< 1.06	2.12			ug/L	0.371	1.06	09/30/20 19:40	B0I0905	CS2	1	
Aroclor 1248	< 0.530	0.636			ug/L	0.170	0.530	09/30/20 19:40	B0I0905	CS2	1	
Aroclor 1254	< 0.530	0.636			ug/L	0.186	0.530	09/30/20 19:40	B0I0905	CS2	1	
Aroclor 1260	< 0.318	0.424			ug/L	0.119	0.318	09/30/20 19:40	B0I0905	CS2	1	
Total PCB	< 0.530	0.636			ug/L	0.203	0.530	09/30/20 19:40	B0I0905	CS2	1	
<i>Surrogate: Decachlorobiphenyl</i>					Recovery: 82%		Limits: 10-139		09/30/20 19:40	B0I0905	CS2	1
<i>Surrogate: 2,4,5,6-Tetrachloro-m-xylene</i>					Recovery: 47%		Limits: 26-107		09/30/20 19:40	B0I0905	CS2	1



**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** Trip Blank  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 00:00  
**Matrix:** Water  
**Lab ID:** 20I0861-33

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Limit								
<b>Volatile Organic Compounds by GC/MS</b>											
Method: SW8260B / SW5030											
1,1,1,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.706	2.00	09/29/20 15:24	B0I0944	WZZ	1
1,1,1-Trichloroethane	< 2.00	4.00			ug/L	0.719	2.00	09/29/20 15:24	B0I0944	WZZ	1
1,1,2,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.713	2.00	09/29/20 15:24	B0I0944	WZZ	1
1,1,2-Trichloroethane	< 0.600	2.00			ug/L	0.198	0.600	09/29/20 15:24	B0I0944	WZZ	1
1,1-Dichloroethane	< 2.00	4.00			ug/L	0.691	2.00	09/29/20 15:24	B0I0944	WZZ	1
1,1-Dichloroethene	< 4.00	8.00			ug/L	1.10	4.00	09/29/20 15:24	B0I0944	WZZ	1
1,1-Dichloropropene	< 1.00	2.00			ug/L	0.462	1.00	09/29/20 15:24	B0I0944	WZZ	1
1,2,3-Trichlorobenzene	< 0.600	2.00			ug/L	0.199	0.600	09/29/20 15:24	B0I0944	WZZ	1
1,2,3-Trichloropropane	< 2.00	4.00			ug/L	0.598	2.00	09/29/20 15:24	B0I0944	WZZ	1
1,2,4-Trimethylbenzene	< 2.00	4.00			ug/L	0.753	2.00	09/29/20 15:24	B0I0944	WZZ	1
1,2-Dibromo-3-chloropropane	< 4.00	8.00			ug/L	1.22	4.00	09/29/20 15:24	B0I0944	WZZ	1
1,2-Dibromoethane	< 1.00	2.00			ug/L	0.420	1.00	09/29/20 15:24	B0I0944	WZZ	1
1,2-Dichloroethane	< 2.00	4.00			ug/L	0.731	2.00	09/29/20 15:24	B0I0944	WZZ	1
1,2-Dichloropropane	< 2.00	4.00			ug/L	0.557	2.00	09/29/20 15:24	B0I0944	WZZ	1
1,3,5-Trimethylbenzene	< 1.00	2.00			ug/L	0.351	1.00	09/29/20 15:24	B0I0944	WZZ	1
1,3-Dichloropropane	< 1.00	2.00			ug/L	0.345	1.00	09/29/20 15:24	B0I0944	WZZ	1
2,2-Dichloropropane	< 4.00	8.00			ug/L	1.03	4.00	09/29/20 15:24	B0I0944	WZZ	1
2-Butanone	< 14.0	28.0			ug/L	4.79	14.0	09/29/20 15:24	B0I0944	WZZ	1
2-Chlorotoluene	< 1.00	2.00			ug/L	0.384	1.00	09/29/20 15:24	B0I0944	WZZ	1
2-Hexanone	< 14.0	28.0			ug/L	4.74	14.0	09/29/20 15:24	B0I0944	WZZ	1
4-Isopropyltoluene	< 2.00	4.00			ug/L	0.930	2.00	09/29/20 15:24	B0I0944	WZZ	1
4-Methyl-2-pentanone	< 14.0	28.0			ug/L	4.40	14.0	09/29/20 15:24	B0I0944	WZZ	1
Acetone	< 28.0	70.0	Q, S1		ug/L	9.21	28.0	09/29/20 15:24	B0I0944	WZZ	1
Benzene	< 1.00	2.00			ug/L	0.362	1.00	09/29/20 15:24	B0I0944	WZZ	1
Bromobenzene	< 1.00	2.00			ug/L	0.354	1.00	09/29/20 15:24	B0I0944	WZZ	1
Bromochloromethane	< 2.00	4.00			ug/L	0.861	2.00	09/29/20 15:24	B0I0944	WZZ	1
Bromodichloromethane	< 1.00	2.00			ug/L	0.458	1.00	09/29/20 15:24	B0I0944	WZZ	1
Bromoform	< 2.00	4.00			ug/L	0.570	2.00	09/29/20 15:24	B0I0944	WZZ	1
Bromomethane	< 4.00	8.00			ug/L	1.61	4.00	09/29/20 15:24	B0I0944	WZZ	1
Carbon disulfide	< 2.00	4.00			ug/L	0.739	2.00	09/29/20 15:24	B0I0944	WZZ	1
Carbon tetrachloride	< 2.00	4.00			ug/L	0.710	2.00	09/29/20 15:24	B0I0944	WZZ	1
Chlorobenzene	< 0.600	2.00			ug/L	0.170	0.600	09/29/20 15:24	B0I0944	WZZ	1
Chloroethane	< 2.00	4.00			ug/L	0.621	2.00	09/29/20 15:24	B0I0944	WZZ	1
Chloroform	< 4.00	8.00			ug/L	1.06	4.00	09/29/20 15:24	B0I0944	WZZ	1
Chloromethane	< 4.00	8.00			ug/L	1.30	4.00	09/29/20 15:24	B0I0944	WZZ	1
cis-1,2-Dichloroethene	< 2.00	4.00			ug/L	0.652	2.00	09/29/20 15:24	B0I0944	WZZ	1
cis-1,3-Dichloropropene	< 2.00	4.00			ug/L	0.408	2.00	09/29/20 15:24	B0I0944	WZZ	1
Cyclohexane	< 1.00	2.00			ug/L	0.325	1.00	09/29/20 15:24	B0I0944	WZZ	1
Dibromochloromethane	< 2.00	4.00			ug/L	0.632	2.00	09/29/20 15:24	B0I0944	WZZ	1
Dibromomethane	< 1.00	2.00			ug/L	0.390	1.00	09/29/20 15:24	B0I0944	WZZ	1
Dichlorodifluoromethane	< 0.600	2.00			ug/L	0.186	0.600	09/29/20 15:24	B0I0944	WZZ	1
Ethylbenzene	< 1.00	2.00			ug/L	0.268	1.00	09/29/20 15:24	B0I0944	WZZ	1
Isopropylbenzene	< 1.00	2.00			ug/L	0.312	1.00	09/29/20 15:24	B0I0944	WZZ	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** Trip Blank  
**Report Date:** 10/07/2020  
**Collection Date:** 09/23/2020 00:00  
**Matrix:** Water  
**Lab ID:** 20I0861-33 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Volatile Organic Compounds by GC/MS (Continued)</b>										
<b>Method: SW8260B / SW5030 (Continued)</b>										
m,p-Xylene	< 4.00	8.00		ug/L	1.58	4.00	09/29/20 15:24	B0I0944	WZZ	1
Methyl tert-butyl ether	< 2.00	4.00		ug/L	0.838	2.00	09/29/20 15:24	B0I0944	WZZ	1
Methylene chloride	< 4.00	8.00		ug/L	1.02	4.00	09/29/20 15:24	B0I0944	WZZ	1
n-Butylbenzene	< 1.00	2.00		ug/L	0.295	1.00	09/29/20 15:24	B0I0944	WZZ	1
n-Propylbenzene	< 1.00	2.00		ug/L	0.289	1.00	09/29/20 15:24	B0I0944	WZZ	1
o-Xylene	< 1.00	2.00		ug/L	0.324	1.00	09/29/20 15:24	B0I0944	WZZ	1
sec-Butylbenzene	< 0.600	2.00		ug/L	0.223	0.600	09/29/20 15:24	B0I0944	WZZ	1
Styrene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 15:24	B0I0944	WZZ	1
tert-Butylbenzene	< 2.00	4.00		ug/L	0.800	2.00	09/29/20 15:24	B0I0944	WZZ	1
Tetrachloroethene	< 2.00	4.00		ug/L	0.646	2.00	09/29/20 15:24	B0I0944	WZZ	1
Toluene	< 2.00	4.00		ug/L	0.510	2.00	09/29/20 15:24	B0I0944	WZZ	1
trans-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.566	2.00	09/29/20 15:24	B0I0944	WZZ	1
trans-1,3-Dichloropropene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 15:24	B0I0944	WZZ	1
Trichloroethene	< 2.00	4.00		ug/L	0.939	2.00	09/29/20 15:24	B0I0944	WZZ	1
Trichlorofluoromethane	< 2.00	4.00		ug/L	0.503	2.00	09/29/20 15:24	B0I0944	WZZ	1
Vinyl chloride	< 2.00	4.00		ug/L	0.582	2.00	09/29/20 15:24	B0I0944	WZZ	1
Xylenes, Total	< 6.00	12.0		ug/L	1.62	6.00	09/29/20 15:24	B0I0944	WZZ	1
<i>Surrogate: Dibromofluoromethane</i>				<i>Recovery: 103%</i>	<i>Limits: 84-137</i>		<i>09/29/20 15:24</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>				<i>Recovery: 104%</i>	<i>Limits: 74-140</i>		<i>09/29/20 15:24</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Fluorobenzene</i>				<i>Recovery: 97%</i>	<i>Limits: 90-105</i>		<i>09/29/20 15:24</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Toluene-d8</i>				<i>Recovery: 103%</i>	<i>Limits: 74-109</i>		<i>09/29/20 15:24</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 4-Bromofluorobenzene</i>				<i>Recovery: 102%</i>	<i>Limits: 86-128</i>		<i>09/29/20 15:24</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>				<i>Recovery: 104%</i>	<i>Limits: 90-128</i>		<i>09/29/20 15:24</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** Equipment Blank  
**Report Date:** 10/07/2020  
**Collection Date:** 09/25/2020 00:00  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-34

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit									
<b>Volatile Organic Compounds by GC/MS</b>											
Method: SW8260B / SW5030											
1,1,1,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.706	2.00	09/29/20 15:50	B0I0944	WZZ	1
1,1,1-Trichloroethane	< 2.00	4.00			ug/L	0.719	2.00	09/29/20 15:50	B0I0944	WZZ	1
1,1,2,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.713	2.00	09/29/20 15:50	B0I0944	WZZ	1
1,1,2-Trichloroethane	< 0.600	2.00			ug/L	0.198	0.600	09/29/20 15:50	B0I0944	WZZ	1
1,1-Dichloroethane	< 2.00	4.00			ug/L	0.691	2.00	09/29/20 15:50	B0I0944	WZZ	1
1,1-Dichloroethene	< 4.00	8.00			ug/L	1.10	4.00	09/29/20 15:50	B0I0944	WZZ	1
1,1-Dichloropropene	< 1.00	2.00			ug/L	0.462	1.00	09/29/20 15:50	B0I0944	WZZ	1
1,2,3-Trichlorobenzene	< 0.600	2.00			ug/L	0.199	0.600	09/29/20 15:50	B0I0944	WZZ	1
1,2,3-Trichloropropane	< 2.00	4.00			ug/L	0.598	2.00	09/29/20 15:50	B0I0944	WZZ	1
1,2,4-Trimethylbenzene	< 2.00	4.00			ug/L	0.753	2.00	09/29/20 15:50	B0I0944	WZZ	1
1,2-Dibromo-3-chloropropane	< 4.00	8.00			ug/L	1.22	4.00	09/29/20 15:50	B0I0944	WZZ	1
1,2-Dibromoethane	< 1.00	2.00			ug/L	0.420	1.00	09/29/20 15:50	B0I0944	WZZ	1
1,2-Dichloroethane	< 2.00	4.00			ug/L	0.731	2.00	09/29/20 15:50	B0I0944	WZZ	1
1,2-Dichloropropane	< 2.00	4.00			ug/L	0.557	2.00	09/29/20 15:50	B0I0944	WZZ	1
1,3,5-Trimethylbenzene	< 1.00	2.00			ug/L	0.351	1.00	09/29/20 15:50	B0I0944	WZZ	1
1,3-Dichloropropane	< 1.00	2.00			ug/L	0.345	1.00	09/29/20 15:50	B0I0944	WZZ	1
2,2-Dichloropropane	< 4.00	8.00			ug/L	1.03	4.00	09/29/20 15:50	B0I0944	WZZ	1
2-Butanone	< 14.0	28.0			ug/L	4.79	14.0	09/29/20 15:50	B0I0944	WZZ	1
2-Chlorotoluene	< 1.00	2.00			ug/L	0.384	1.00	09/29/20 15:50	B0I0944	WZZ	1
2-Hexanone	< 14.0	28.0			ug/L	4.74	14.0	09/29/20 15:50	B0I0944	WZZ	1
4-Isopropyltoluene	< 2.00	4.00			ug/L	0.930	2.00	09/29/20 15:50	B0I0944	WZZ	1
4-Methyl-2-pentanone	< 14.0	28.0			ug/L	4.40	14.0	09/29/20 15:50	B0I0944	WZZ	1
Acetone	< 28.0	70.0	Q, S1		ug/L	9.21	28.0	09/29/20 15:50	B0I0944	WZZ	1
Benzene	< 1.00	2.00			ug/L	0.362	1.00	09/29/20 15:50	B0I0944	WZZ	1
Bromobenzene	< 1.00	2.00			ug/L	0.354	1.00	09/29/20 15:50	B0I0944	WZZ	1
Bromochloromethane	< 2.00	4.00			ug/L	0.861	2.00	09/29/20 15:50	B0I0944	WZZ	1
Bromodichloromethane	< 1.00	2.00			ug/L	0.458	1.00	09/29/20 15:50	B0I0944	WZZ	1
Bromoform	< 2.00	4.00			ug/L	0.570	2.00	09/29/20 15:50	B0I0944	WZZ	1
Bromomethane	< 4.00	8.00			ug/L	1.61	4.00	09/29/20 15:50	B0I0944	WZZ	1
Carbon disulfide	< 2.00	4.00			ug/L	0.739	2.00	09/29/20 15:50	B0I0944	WZZ	1
Carbon tetrachloride	< 2.00	4.00			ug/L	0.710	2.00	09/29/20 15:50	B0I0944	WZZ	1
Chlorobenzene	< 0.600	2.00			ug/L	0.170	0.600	09/29/20 15:50	B0I0944	WZZ	1
Chloroethane	< 2.00	4.00			ug/L	0.621	2.00	09/29/20 15:50	B0I0944	WZZ	1
Chloroform	< 4.00	8.00			ug/L	1.06	4.00	09/29/20 15:50	B0I0944	WZZ	1
Chloromethane	< 4.00	8.00			ug/L	1.30	4.00	09/29/20 15:50	B0I0944	WZZ	1
cis-1,2-Dichloroethene	< 2.00	4.00			ug/L	0.652	2.00	09/29/20 15:50	B0I0944	WZZ	1
cis-1,3-Dichloropropene	< 2.00	4.00			ug/L	0.408	2.00	09/29/20 15:50	B0I0944	WZZ	1
Cyclohexane	< 1.00	2.00			ug/L	0.325	1.00	09/29/20 15:50	B0I0944	WZZ	1
Dibromochloromethane	< 2.00	4.00			ug/L	0.632	2.00	09/29/20 15:50	B0I0944	WZZ	1
Dibromomethane	< 1.00	2.00			ug/L	0.390	1.00	09/29/20 15:50	B0I0944	WZZ	1
Dichlorodifluoromethane	< 0.600	2.00			ug/L	0.186	0.600	09/29/20 15:50	B0I0944	WZZ	1
Ethylbenzene	< 1.00	2.00			ug/L	0.268	1.00	09/29/20 15:50	B0I0944	WZZ	1
Isopropylbenzene	< 1.00	2.00			ug/L	0.312	1.00	09/29/20 15:50	B0I0944	WZZ	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 20I0861

**Client Sample ID:** Equipment Blank  
**Report Date:** 10/07/2020  
**Collection Date:** 09/25/2020 00:00  
**Matrix:** Groundwater  
**Lab ID:** 20I0861-34 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Volatile Organic Compounds by GC/MS (Continued)</b>										
Method: SW8260B / SW5030 (Continued)										
m,p-Xylene	< 4.00	8.00		ug/L	1.58	4.00	09/29/20 15:50	B0I0944	WZZ	1
Methyl tert-butyl ether	< 2.00	4.00		ug/L	0.838	2.00	09/29/20 15:50	B0I0944	WZZ	1
Methylene chloride	< 4.00	8.00		ug/L	1.02	4.00	09/29/20 15:50	B0I0944	WZZ	1
n-Butylbenzene	< 1.00	2.00		ug/L	0.295	1.00	09/29/20 15:50	B0I0944	WZZ	1
n-Propylbenzene	< 1.00	2.00		ug/L	0.289	1.00	09/29/20 15:50	B0I0944	WZZ	1
o-Xylene	< 1.00	2.00		ug/L	0.324	1.00	09/29/20 15:50	B0I0944	WZZ	1
sec-Butylbenzene	< 0.600	2.00		ug/L	0.223	0.600	09/29/20 15:50	B0I0944	WZZ	1
Styrene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 15:50	B0I0944	WZZ	1
tert-Butylbenzene	< 2.00	4.00		ug/L	0.800	2.00	09/29/20 15:50	B0I0944	WZZ	1
Tetrachloroethene	< 2.00	4.00		ug/L	0.646	2.00	09/29/20 15:50	B0I0944	WZZ	1
Toluene	< 2.00	4.00		ug/L	0.510	2.00	09/29/20 15:50	B0I0944	WZZ	1
trans-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.566	2.00	09/29/20 15:50	B0I0944	WZZ	1
trans-1,3-Dichloropropene	< 4.00	8.00		ug/L	1.17	4.00	09/29/20 15:50	B0I0944	WZZ	1
Trichloroethene	< 2.00	4.00		ug/L	0.939	2.00	09/29/20 15:50	B0I0944	WZZ	1
Trichlorofluoromethane	< 2.00	4.00		ug/L	0.503	2.00	09/29/20 15:50	B0I0944	WZZ	1
Vinyl chloride	< 2.00	4.00		ug/L	0.582	2.00	09/29/20 15:50	B0I0944	WZZ	1
Xylenes, Total	< 6.00	12.0		ug/L	1.62	6.00	09/29/20 15:50	B0I0944	WZZ	1
<i>Surrogate: Dibromofluoromethane</i>				<i>Recovery: 103%</i>	<i>Limits: 84-137</i>		<i>09/29/20 15:50</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>				<i>Recovery: 105%</i>	<i>Limits: 74-140</i>		<i>09/29/20 15:50</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Fluorobenzene</i>				<i>Recovery: 103%</i>	<i>Limits: 90-105</i>		<i>09/29/20 15:50</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Toluene-d8</i>				<i>Recovery: 99%</i>	<i>Limits: 74-109</i>		<i>09/29/20 15:50</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 4-Bromofluorobenzene</i>				<i>Recovery: 98%</i>	<i>Limits: 86-128</i>		<i>09/29/20 15:50</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>				<i>Recovery: 97%</i>	<i>Limits: 90-128</i>		<i>09/29/20 15:50</i>	<i>B0I0944</i>	<i>WZZ</i>	<i>1</i>

## Dates Report

**Client:** Geosyntec Consultants

**Report Date:** 10/07/2020

**Project:** Milw Die Cast  
CHW8271N

**Work Order:** 20I0861

Sample ID	Client Sample ID	Collection	Matrix	Test Name	Leached Prep Date	Prep Date	Analysis Date	Batch ID	Sequence
20I0861-01	MW-1	09/25/20	Groundwater	Semivolatile Organic Compounds by GC/MS		09/29/20 11:11	09/30/20 08:08	B0I0881	S0I0403
				Polychlorinated Biphenyls by GC/ECD		09/30/20 15:27	10/01/20 16:22	B0I0902	S0J0020
				Volatile Organic Compounds by GC/MS		09/29/20 10:07	09/29/20 16:15	B0I0944	S0J0016
				Volatile Organic Compounds by GC/MS-SIM		10/02/20 07:00	10/02/20 17:45	B0J0077	S0J0027
				Volatile Organic Compounds by GC/MS		10/01/20 10:54	10/01/20 14:20	B0J0079	S0J0038
				Carbon, Organic Total (TOC)		10/06/20 16:15	10/06/20 18:13	B0J0227	S0J0087
				Polychlorinated Biphenyls by GC/ECD		09/30/20 15:27	10/01/20 16:22	B0I0905	S0J0020
20I0861-03	PZ-1	09/25/20		Semivolatile Organic Compounds by GC/MS		09/29/20 11:11	09/30/20 07:05	B0I0881	S0I0403
				Polychlorinated Biphenyls by GC/ECD		09/30/20 10:33	09/30/20 17:24	B0I0902	S0J0004
				Volatile Organic Compounds by GC/MS		09/29/20 10:07	09/29/20 16:41	B0I0944	S0J0016
				Volatile Organic Compounds by GC/MS-SIM		10/02/20 07:00	10/02/20 12:05	B0J0077	S0J0027
				Volatile Organic Compounds by GC/MS		10/01/20 10:54	10/01/20 13:51	B0J0079	S0J0038
				Carbon, Organic Total (TOC)		10/06/20 16:15	10/06/20 18:31	B0J0227	S0J0087
				Polychlorinated Biphenyls by GC/ECD		09/30/20 10:33	09/30/20 17:41	B0I0905	S0J0004
20I0861-05	MW-2	09/24/20		Semivolatile Organic Compounds by GC/MS		09/29/20 11:11	09/30/20 08:29	B0I0881	S0I0403
				Polychlorinated Biphenyls by GC/ECD		09/30/20 10:33	09/30/20 17:41	B0I0902	S0J0004
				Volatile Organic Compounds by GC/MS		09/29/20 10:07	09/29/20 17:07	B0I0944	S0J0016
				Volatile Organic Compounds by GC/MS-SIM		10/02/20 07:00	10/02/20 15:19	B0J0077	S0J0027
				Carbon, Organic Total (TOC)		10/06/20 16:15	10/06/20 19:34	B0J0227	S0J0087
				Polychlorinated Biphenyls by GC/ECD		09/30/20 10:33	09/30/20 17:58	B0I0905	S0J0004
				Polychlorinated Biphenyls by GC/ECD		09/30/20 10:33	09/30/20 17:58	B0I0905	S0J0004
20I0861-07	PZ-2	09/25/20		Semivolatile Organic Compounds by GC/MS		09/29/20 11:11	09/30/20 08:50	B0I0881	S0I0403
				Polychlorinated Biphenyls by GC/ECD		09/30/20 15:27	10/01/20 16:39	B0I0902	S0J0020
				Volatile Organic Compounds by GC/MS		09/29/20 10:07	09/29/20 17:32	B0I0944	S0J0016
				Volatile Organic Compounds by GC/MS-SIM		10/02/20 07:00	10/02/20 18:09	B0J0077	S0J0027
				Carbon, Organic Total (TOC)		10/06/20 16:15	10/06/20 19:55	B0J0227	S0J0087
				Polychlorinated Biphenyls by GC/ECD		09/30/20 15:27	10/01/20 16:39	B0I0905	S0J0020
				Polychlorinated Biphenyls by GC/ECD		09/30/20 15:27	10/01/20 16:39	B0I0905	S0J0020
20I0861-09	MW-3	09/23/20		Semivolatile Organic Compounds by GC/MS		09/29/20 11:11	09/30/20 09:11	B0I0881	S0I0403
				Polychlorinated Biphenyls by GC/ECD		09/30/20 10:33	09/30/20 17:58	B0I0902	S0J0004
				Volatile Organic Compounds by GC/MS		09/29/20 10:07	09/29/20 17:58	B0I0944	S0J0016
				Volatile Organic Compounds by GC/MS-SIM		10/02/20 07:00	10/02/20 12:53	B0J0077	S0J0027
				Carbon, Organic Total (TOC)		10/06/20 16:15	10/06/20 20:14	B0J0227	S0J0087
				Polychlorinated Biphenyls by GC/ECD		09/30/20 10:33	09/30/20 18:15	B0I0905	S0J0004
				Polychlorinated Biphenyls by GC/ECD		09/30/20 10:33	09/30/20 18:15	B0I0905	S0J0004
20I0861-11	MW-3 DUP			Semivolatile Organic Compounds by GC/MS		09/29/20 11:11	09/30/20 09:31	B0I0881	S0I0403



**Dates Report**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 10/07/2020**Project:** Milw Die Cast  
CHW8271N**Work Order:** 20I0861

Sample ID	Client Sample ID	Collection	Matrix	Test Name	Leached Prep Date	Prep Date	Analysis Date	Batch ID	Sequence
20I0861-11	MW-3 DUP	09/23/20	Groundwater	Polychlorinated Biphenyls by GC/ECD		09/30/20 10:33	09/30/20 18:15	B0I0902	SOJ0004
				Volatile Organic Compounds by GC/MS		09/29/20 10:07	09/29/20 18:23	B0I0944	SOJ0016
				Volatile Organic Compounds by GC/MS-SIM		10/02/20 07:00	10/02/20 13:17	B0J0077	SOJ0027
				Carbon, Organic Total (TOC)		10/06/20 16:15	10/06/20 20:36	B0J0227	SOJ0087
20I0861-12				Polychlorinated Biphenyls by GC/ECD		09/30/20 10:33	09/30/20 18:32	B0I0905	SOJ0004
20I0861-13	MW-4	09/24/20		Semivolatile Organic Compounds by GC/MS		09/29/20 11:11	09/30/20 09:52	B0I0881	SOI0403
				Polychlorinated Biphenyls by GC/ECD		09/30/20 15:27	10/01/20 16:56	B0I0902	SOJ0020
				Volatile Organic Compounds by GC/MS		09/29/20 10:07	09/29/20 18:49	B0I0944	SOJ0016
				Volatile Organic Compounds by GC/MS-SIM		10/02/20 07:00	10/02/20 15:43	B0J0077	SOJ0027
				Carbon, Organic Total (TOC)		10/06/20 16:15	10/06/20 20:55	B0J0227	SOJ0087
20I0861-14				Polychlorinated Biphenyls by GC/ECD		09/30/20 15:27	10/01/20 16:56	B0I0905	SOJ0020
20I0861-15	MW-6	09/25/20		Semivolatile Organic Compounds by GC/MS		09/29/20 11:11	09/30/20 10:13	B0I0881	SOI0403
				Polychlorinated Biphenyls by GC/ECD		09/30/20 15:27	10/01/20 17:13	B0I0902	SOJ0020
				Volatile Organic Compounds by GC/MS		09/29/20 10:07	09/29/20 19:14	B0I0944	SOJ0016
				Volatile Organic Compounds by GC/MS-SIM		10/02/20 07:00	10/02/20 12:29	B0J0077	SOJ0027
				Carbon, Organic Total (TOC)		10/06/20 16:15	10/06/20 23:39	B0J0227	SOJ0087
20I0861-16				Polychlorinated Biphenyls by GC/ECD		09/30/20 15:27	10/01/20 17:13	B0I0905	SOJ0020
20I0861-17	MW-7	09/24/20		Semivolatile Organic Compounds by GC/MS		09/29/20 11:11	09/30/20 10:34	B0I0881	SOI0403
				Polychlorinated Biphenyls by GC/ECD		09/30/20 15:27	10/01/20 17:30	B0I0902	SOJ0020
				Volatile Organic Compounds by GC/MS		09/29/20 10:07	09/29/20 19:40	B0I0944	SOJ0016
				Volatile Organic Compounds by GC/MS-SIM		10/02/20 07:00	10/02/20 16:08	B0J0077	SOJ0027
				Carbon, Organic Total (TOC)		10/06/20 16:15	10/07/20 00:01	B0J0227	SOJ0087
20I0861-18				Polychlorinated Biphenyls by GC/ECD		09/30/20 15:27	10/01/20 17:30	B0I0905	SOJ0020
20I0861-19	MW-8	09/24/20		Semivolatile Organic Compounds by GC/MS		09/29/20 11:11	09/30/20 10:55	B0I0881	SOI0403
				Polychlorinated Biphenyls by GC/ECD		09/30/20 15:27	10/01/20 17:47	B0I0902	SOJ0020
				Volatile Organic Compounds by GC/MS		09/29/20 10:07	09/29/20 20:06	B0I0944	SOJ0016
				Volatile Organic Compounds by GC/MS-SIM		10/02/20 07:00	10/02/20 16:32	B0J0077	SOJ0027
				Carbon, Organic Total (TOC)		10/06/20 16:15	10/07/20 00:23	B0J0227	SOJ0087
20I0861-20				Polychlorinated Biphenyls by GC/ECD		09/30/20 15:27	10/01/20 17:47	B0I0905	SOJ0020
20I0861-21	MW-9	09/24/20		Semivolatile Organic Compounds by GC/MS		09/29/20 11:11	09/30/20 11:16	B0I0881	SOI0403
				Polychlorinated Biphenyls by GC/ECD		09/30/20 15:27	10/01/20 18:04	B0I0902	SOJ0020
				Volatile Organic Compounds by GC/MS		09/29/20 10:07	09/29/20 20:31	B0I0944	SOJ0016
				Volatile Organic Compounds by GC/MS-SIM		10/02/20 07:00	10/02/20 16:56	B0J0077	SOJ0027

**Dates Report**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 10/07/2020**Project:** Milw Die Cast  
CHW8271N**Work Order:** 20I0861

Sample ID	Client Sample ID	Collection	Matrix	Test Name	Leached Prep Date	Prep Date	Analysis Date	Batch ID	Sequence
20I0861-21	MW-9	09/24/20	Groundwater	Carbon, Organic Total (TOC)		10/06/20 16:15	10/07/20 00:40	B0J0227	SOJ0087
20I0861-22				Polychlorinated Biphenyls by GC/ECD		09/30/20 15:27	10/01/20 18:04	B0I0905	SOJ0020
20I0861-23	PZ-10	09/25/20		Semivolatile Organic Compounds by GC/MS		09/29/20 11:11	09/30/20 11:37	B0I0881	SOI0403
				Polychlorinated Biphenyls by GC/ECD		09/30/20 15:27	10/01/20 18:21	B0I0902	SOJ0020
				Volatile Organic Compounds by GC/MS		09/29/20 10:07	09/29/20 20:57	B0I0944	SOJ0016
				Volatile Organic Compounds by GC/MS-SIM		10/02/20 07:00	10/02/20 17:21	B0J0077	SOJ0027
				Carbon, Organic Total (TOC)		10/06/20 16:15	10/07/20 01:12	B0J0227	SOJ0087
20I0861-24				Polychlorinated Biphenyls by GC/ECD		09/30/20 15:27	10/01/20 18:21	B0I0905	SOJ0020
20I0861-25	MW-12	09/23/20		Semivolatile Organic Compounds by GC/MS		09/29/20 11:11	09/30/20 11:58	B0I0881	SOI0403
				Polychlorinated Biphenyls by GC/ECD		09/30/20 10:33	09/30/20 18:32	B0I0902	SOJ0004
				Volatile Organic Compounds by GC/MS		09/29/20 10:07	09/29/20 21:22	B0I0944	SOJ0016
				Volatile Organic Compounds by GC/MS-SIM		10/02/20 07:00	10/02/20 18:34	B0J0077	SOJ0027
				Carbon, Organic Total (TOC)		10/06/20 16:15	10/07/20 01:32	B0J0227	SOJ0087
20I0861-26				Polychlorinated Biphenyls by GC/ECD		09/30/20 10:33	09/30/20 18:49	B0I0905	SOJ0004
20I0861-27	MW-12 DUP			Semivolatile Organic Compounds by GC/MS		09/29/20 11:11	09/30/20 12:19	B0I0881	SOI0403
				Polychlorinated Biphenyls by GC/ECD		09/30/20 10:33	09/30/20 18:49	B0I0902	SOJ0004
				Volatile Organic Compounds by GC/MS		09/29/20 10:07	09/29/20 21:48	B0I0944	SOJ0016
				Volatile Organic Compounds by GC/MS-SIM		10/02/20 07:00	10/02/20 14:06	B0J0077	SOJ0027
				Carbon, Organic Total (TOC)		10/06/20 16:15	10/07/20 01:52	B0J0227	SOJ0087
20I0861-28				Polychlorinated Biphenyls by GC/ECD		09/30/20 10:33	09/30/20 19:06	B0I0905	SOJ0004
20I0861-29	MW-13	09/23/20		Semivolatile Organic Compounds by GC/MS		09/29/20 11:11	09/30/20 12:40	B0I0881	SOI0403
				Polychlorinated Biphenyls by GC/ECD		09/30/20 10:33	09/30/20 19:06	B0I0902	SOJ0004
				Volatile Organic Compounds by GC/MS		09/29/20 10:07	09/29/20 22:13	B0I0944	SOJ0016
				Volatile Organic Compounds by GC/MS-SIM		10/02/20 07:00	10/02/20 14:30	B0J0077	SOJ0027
				Carbon, Organic Total (TOC)		10/06/20 16:15	10/07/20 02:12	B0J0227	SOJ0087
20I0861-30				Polychlorinated Biphenyls by GC/ECD		09/30/20 10:33	09/30/20 19:23	B0I0905	SOJ0004
20I0861-31	MW-14	09/23/20		Semivolatile Organic Compounds by GC/MS		09/29/20 11:11	09/30/20 13:01	B0I0881	SOI0403
				Polychlorinated Biphenyls by GC/ECD		09/30/20 10:33	09/30/20 19:23	B0I0902	SOJ0004
				Volatile Organic Compounds by GC/MS		09/29/20 10:07	09/29/20 22:39	B0I0944	SOJ0016
				Volatile Organic Compounds by GC/MS-SIM		10/02/20 07:00	10/02/20 14:55	B0J0077	SOJ0027
				Carbon, Organic Total (TOC)		10/06/20 16:15	10/07/20 02:35	B0J0227	SOJ0087
20I0861-32				Polychlorinated Biphenyls by GC/ECD		09/30/20 10:33	09/30/20 19:40	B0I0905	SOJ0004
20I0861-33	Trip Blank	09/23/20	Water	Volatile Organic Compounds by GC/MS		09/29/20 10:07	09/29/20 15:24	B0I0944	SOJ0016

## Dates Report

(Continued)

**Client:** Geosyntec Consultants

**Report Date:** 10/07/2020

**Project:** Milw Die Cast  
CHW8271N

**Work Order:** 20I0861

Sample ID	Client Sample ID	Collection	Matrix	Test Name	Leached Prep Date	Prep Date	Analysis Date	Batch ID	Sequence
20I0861-34	Equipment Blank	09/25/20	Groundwater	Volatile Organic Compounds by GC/MS		09/29/20 10:07	09/29/20 15:50	B0I0944	S0J0016

### Quality Control

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
 CHW8271N  
**Work Order:** 2010861

**Report Date:** 10/07/2020  
**Matrix:** Water

### Wet Chemistry

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
<b>Batch: B0J0227</b>											
<b>Blank (B0J0227-BLK1)</b> <i>Prepared: 10/06/2020 16:15 Analyzed: 10/06/2020 16:29</i>											
Organic Carbon, Total	< 0.400	1.00	mg/L								1
<b>Blank (B0J0227-BLK2)</b> <i>Prepared: 10/06/2020 16:15 Analyzed: 10/06/2020 16:46</i>											
Organic Carbon, Total	< 0.400	1.00	mg/L								1
<b>Blank (B0J0227-BLK4)</b> <i>Prepared: 10/06/2020 16:15 Analyzed: 10/06/2020 21:51</i>											
Organic Carbon, Total	0.588	1.00	mg/L							J	1
<b>Blank (B0J0227-BLK6)</b> <i>Prepared: 10/06/2020 16:15 Analyzed: 10/07/2020 03:11</i>											
Organic Carbon, Total	0.652	1.00	mg/L							J	1
<b>LCS (B0J0227-BS2)</b> <i>Prepared: 10/06/2020 16:15 Analyzed: 10/06/2020 17:51</i>											
Organic Carbon, Total	26.3	1.00	mg/L	25.00		105	90-110				1
<b>LCS (B0J0227-BS4)</b> <i>Prepared: 10/06/2020 16:15 Analyzed: 10/06/2020 22:51</i>											
Organic Carbon, Total	26.7	1.00	mg/L	25.00		107	90-110				1
<b>LCS (B0J0227-BS5)</b> <i>Prepared: 10/06/2020 16:15 Analyzed: 10/07/2020 03:56</i>											
Organic Carbon, Total	10.6	1.00	mg/L	10.00		106	90-110				1
<b>LCS (B0J0227-BS6)</b> <i>Prepared: 10/06/2020 16:15 Analyzed: 10/07/2020 04:15</i>											
Organic Carbon, Total	26.6	1.00	mg/L	25.00		106	90-110				1
<b>MRL Check (B0J0227-MRL1)</b> <i>Prepared: 10/06/2020 16:15 Analyzed: 10/06/2020 17:05</i>											
Organic Carbon, Total	1.25	1.00	mg/L	1.000		125	50-150				1
<b>MRL Check (B0J0227-MRL2)</b> <i>Prepared: 10/06/2020 16:15 Analyzed: 10/06/2020 22:11</i>											
Organic Carbon, Total	1.58	1.00	mg/L	1.000		158	50-150			S	1
<b>Matrix Spike (B0J0227-MS1)</b> <b>Source: 2010861-03RE1</b> <i>Prepared: 10/06/2020 16:15 Analyzed: 10/06/2020 18:54</i>											
Organic Carbon, Total	55.4	5.00	mg/L	50.00	3.92	103	80-120				5
<b>Matrix Spike (B0J0227-MS2)</b> <b>Source: 2010861-13RE1</b> <i>Prepared: 10/06/2020 16:15 Analyzed: 10/06/2020 21:13</i>											
Organic Carbon, Total	60.0	5.00	mg/L	50.00	10.8	98.6	80-120				5
<b>Matrix Spike Dup (B0J0227-MSD1)</b> <b>Source: 2010861-03RE1</b> <i>Prepared: 10/06/2020 16:15 Analyzed: 10/06/2020 19:14</i>											
Organic Carbon, Total	53.6	5.00	mg/L	50.00	3.92	99.3	80-120	3.49	15		5



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**Quality Control**

(Continued)

**Client:** Geosyntec Consultants

**Report Date:** 10/07/2020

**Project:** Milw Die Cast  
CHW8271N

**Matrix:** Water

**Work Order:** 2010861

**Wet Chemistry**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B0J0227** (Continued)

**Matrix Spike Dup (B0J0227-MSD2)**

**Source: 2010861-13RE1**

Prepared: 10/06/2020 16:15 Analyzed: 10/06/2020 23:16

Organic Carbon, Total	61.4	5.00	mg/L	50.00	10.8	101	80-120	2.22	15		5
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**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 10/07/2020**Project:** Milw Die Cast  
CHW8271N**Matrix:** Water**Work Order:** 2010861**Polychlorinated Biphenyls (PCBs) by GC/ECD**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B0I0902 - SW3510****Blank (B0I0902-BLK1)**

Prepared: 09/30/2020 10:33 Analyzed: 09/30/2020 16:36

Aroclor 1016	< 0.212	1.00	ug/L								1
Aroclor 1221	< 0.192	0.600	ug/L								1
Aroclor 1232	< 0.162	0.600	ug/L								1
Aroclor 1242	< 0.350	2.00	ug/L								1
Aroclor 1248	< 0.160	0.600	ug/L								1
Aroclor 1254	< 0.176	0.600	ug/L								1
Aroclor 1260	< 0.112	0.400	ug/L								1
Total PCB	< 0.192	0.600	ug/L								1
Surrogate: Decachlorobiphenyl	0.135		ug/L	0.2000		67	10-139				1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene	0.117		ug/L	0.2000		58	26-107				1

**LCS (B0I0902-BS1)**

Prepared: 09/30/2020 10:33 Analyzed: 09/30/2020 17:07

Aroclor 1016	0.327	1.00	ug/L	0.4000		82	50-106			J	1
Aroclor 1260	0.361	0.400	ug/L	0.4000		90	60-125			J	1
Surrogate: Decachlorobiphenyl	0.147		ug/L	0.2000		74	10-139				1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene	0.122		ug/L	0.2000		61	26-107				1

**Matrix Spike (B0I0902-MS1)****Source: 2010861-03**

Prepared: 09/30/2020 10:33 Analyzed: 09/30/2020 19:40

Aroclor 1016	0.326	1.09	ug/L	0.4346	ND	75	16-142			J	1
Aroclor 1260	0.317	0.435	ug/L	0.4346	ND	73	53-112			J	1
Surrogate: Decachlorobiphenyl	0.123		ug/L	0.2173		57	10-139				1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene	0.121		ug/L	0.2173		56	26-107				1

**Matrix Spike Dup (B0I0902-MSD1)****Source: 2010861-03**

Prepared: 09/30/2020 10:33 Analyzed: 09/30/2020 19:57

Aroclor 1016	0.308	1.03	ug/L	0.4116	ND	75	16-142	6	20	J	1
Aroclor 1260	0.311	0.412	ug/L	0.4116	ND	75	53-112	2	23	J	1
Surrogate: Decachlorobiphenyl	0.110		ug/L	0.2058		53	10-139				1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene	0.105		ug/L	0.2058		51	26-107				1

**Batch: B0I0905 - SW3510****Blank (B0I0905-BLK1)**

Prepared: 09/30/2020 10:33 Analyzed: 09/30/2020 17:07

Aroclor 1016 [2C]	< 0.212	1.00	ug/L								1
Aroclor 1221 [2C]	< 0.192	0.600	ug/L								1
Aroclor 1232 [2C]	< 0.162	0.600	ug/L								1
Aroclor 1242 [2C]	< 0.350	2.00	ug/L								1
Aroclor 1248 [2C]	< 0.160	0.600	ug/L								1
Aroclor 1254 [2C]	< 0.176	0.600	ug/L								1
Aroclor 1260 [2C]	< 0.112	0.400	ug/L								1
Total PCB [2C]	< 0.192	0.600	ug/L								1
Surrogate: Decachlorobiphenyl [2C]	0.163		ug/L	0.2000		81	10-139				1

**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 10/07/2020**Project:** Milw Die Cast  
CHW8271N**Matrix:** Water**Work Order:** 2010861**Polychlorinated Biphenyls (PCBs) by GC/ECD**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B010905 - SW3510 (Continued)****Blank (B010905-BLK1) (Continued)**

Prepared: 09/30/2020 10:33 Analyzed: 09/30/2020 17:07

Surrogate: 2,4,5,6-Tetrachloro-m-xylene [2C]	0.134		ug/L	0.2000		67	26-107				1
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**LCS (B010905-BS1)**

Prepared: 09/30/2020 10:33 Analyzed: 09/30/2020 17:24

Aroclor 1016 [2C]	0.339	1.00	ug/L	0.4000		85	50-106			J	1
Aroclor 1260 [2C]	0.352	0.400	ug/L	0.4000		88	60-125			J	1
Surrogate: Decachlorobiphenyl [2C]	0.152		ug/L	0.2000		76	10-139				1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene [2C]	0.148		ug/L	0.2000		74	26-107				1

**Matrix Spike (B010905-MS1)****Source: 2010861-04**

Prepared: 09/30/2020 10:33 Analyzed: 09/30/2020 19:57

Aroclor 1016 [2C]	0.779	1.04	ug/L	0.4140	ND	188	16-142			S, J	1
Aroclor 1260 [2C]	0.400	0.414	ug/L	0.4140	ND	97	53-112			J	1
Surrogate: Decachlorobiphenyl [2C]	0.171		ug/L	0.2070		83	10-139				1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene [2C]	0.132		ug/L	0.2070		64	26-107				1

**Matrix Spike Dup (B010905-MSD1)****Source: 2010861-04**

Prepared: 09/30/2020 10:33 Analyzed: 09/30/2020 20:14

Aroclor 1016 [2C]	0.395	1.05	ug/L	0.4200	ND	94	16-142	65	20	P, J	1
Aroclor 1260 [2C]	0.408	0.420	ug/L	0.4200	ND	97	53-112	2	30	J	1
Surrogate: Decachlorobiphenyl [2C]	0.190		ug/L	0.2100		90	10-139				1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene [2C]	0.135		ug/L	0.2100		64	26-107				1

**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 10/07/2020**Project:** Milw Die Cast  
CHW8271N**Matrix:** Water**Work Order:** 2010861**Volatile Organic Compounds by GC/MS**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B010944 - SW5030****Blank (B010944-BLK1)**

Prepared: 09/29/2020 10:07 Analyzed: 09/29/2020 14:59

1,1,1,2-Tetrachloroethane	< 4.00	4.00	ug/L								1
1,1,1-Trichloroethane	< 4.00	4.00	ug/L								1
1,1,2,2-Tetrachloroethane	< 4.00	4.00	ug/L								1
1,1,2-Trichloroethane	< 2.00	2.00	ug/L								1
1,1-Dichloroethane	< 4.00	4.00	ug/L								1
1,1-Dichloroethene	< 8.00	8.00	ug/L								1
1,1-Dichloropropene	< 2.00	2.00	ug/L								1
1,2,3-Trichlorobenzene	< 2.00	2.00	ug/L								1
1,2,3-Trichloropropane	< 4.00	4.00	ug/L								1
1,2,4-Trimethylbenzene	< 4.00	4.00	ug/L								1
1,2-Dibromo-3-chloropropane	< 8.00	8.00	ug/L								1
1,2-Dibromoethane	< 2.00	2.00	ug/L								1
1,2-Dichloroethane	< 4.00	4.00	ug/L								1
1,2-Dichloropropane	< 4.00	4.00	ug/L								1
1,3,5-Trimethylbenzene	< 2.00	2.00	ug/L								1
1,3-Dichloropropane	< 2.00	2.00	ug/L								1
2,2-Dichloropropane	< 8.00	8.00	ug/L								1
2-Butanone	< 28.0	28.0	ug/L								1
2-Chlorotoluene	< 2.00	2.00	ug/L								1
2-Hexanone	< 28.0	28.0	ug/L								1
4-Isopropyltoluene	< 4.00	4.00	ug/L								1
4-Methyl-2-pentanone	< 28.0	28.0	ug/L								1
Acetone	< 70.0	70.0	ug/L								1
Benzene	< 2.00	2.00	ug/L								1
Bromobenzene	< 2.00	2.00	ug/L								1
Bromochloromethane	< 4.00	4.00	ug/L								1
Bromodichloromethane	< 2.00	2.00	ug/L								1
Bromoform	< 4.00	4.00	ug/L								1
Bromomethane	< 8.00	8.00	ug/L								1
Carbon disulfide	< 4.00	4.00	ug/L								1
Carbon tetrachloride	< 4.00	4.00	ug/L								1
Chlorobenzene	< 2.00	2.00	ug/L								1
Chloroethane	< 4.00	4.00	ug/L								1
Chloroform	< 8.00	8.00	ug/L								1
Chloromethane	< 8.00	8.00	ug/L								1
cis-1,2-Dichloroethene	< 4.00	4.00	ug/L								1
cis-1,3-Dichloropropene	< 4.00	4.00	ug/L								1
Cyclohexane	< 2.00	2.00	ug/L								1
Dibromochloromethane	< 4.00	4.00	ug/L								1
Dibromomethane	< 2.00	2.00	ug/L								1
Dichlorodifluoromethane	< 2.00	2.00	ug/L								1
Ethylbenzene	< 2.00	2.00	ug/L								1

**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 10/07/2020**Project:** Milw Die Cast  
CHW8271N**Matrix:** Water**Work Order:** 2010861**Volatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B010944 - SW5030 (Continued)****Blank (B010944-BLK1) (Continued)**

Prepared: 09/29/2020 10:07 Analyzed: 09/29/2020 14:59

Isopropylbenzene	< 2.00	2.00	ug/L								1
m,p-Xylene	< 8.00	8.00	ug/L								1
Methyl tert-butyl ether	< 4.00	4.00	ug/L								1
Methylene chloride	< 8.00	8.00	ug/L								1
n-Butylbenzene	< 2.00	2.00	ug/L								1
n-Propylbenzene	< 2.00	2.00	ug/L								1
o-Xylene	< 2.00	2.00	ug/L								1
sec-Butylbenzene	< 2.00	2.00	ug/L								1
Styrene	< 8.00	8.00	ug/L								1
tert-Butylbenzene	< 4.00	4.00	ug/L								1
Tetrachloroethene	< 4.00	4.00	ug/L								1
Toluene	< 4.00	4.00	ug/L								1
trans-1,2-Dichloroethene	< 4.00	4.00	ug/L								1
trans-1,3-Dichloropropene	< 8.00	8.00	ug/L								1
Trichloroethene	< 4.00	4.00	ug/L								1
Trichlorofluoromethane	< 4.00	4.00	ug/L								1
Vinyl chloride	< 4.00	4.00	ug/L								1
Xylenes, Total	< 12.0	12.0	ug/L								1
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Surrogate: Dibromofluoromethane	19.9		ug/L	20.00		100	84-137				1
Surrogate: 1,2-Dichloroethane-d4	20.5		ug/L	20.00		103	74-140				1
Surrogate: Fluorobenzene	20.4		ug/L	20.00		102	90-105				1
Surrogate: Toluene-d8	20.2		ug/L	20.00		101	74-109				1
Surrogate: 4-Bromofluorobenzene	10.1		ug/L	10.00		101	86-128				1
Surrogate: 1,2-Dichlorobenzene-d4	19.4		ug/L	20.00		97	90-128				1

**LCS (B010944-BS1)**

Prepared: 09/29/2020 10:07 Analyzed: 09/29/2020 12:41

1,1,1,2-Tetrachloroethane	50.2	4.00	ug/L	50.00		100	84-122				1
1,1,1-Trichloroethane	51.7	4.00	ug/L	50.00		103	74-131				1
1,1,2,2-Tetrachloroethane	53.1	4.00	ug/L	50.00		106	71-121				1
1,1,2-Trichloroethane	53.7	2.00	ug/L	50.00		107	83-139				1
1,1-Dichloroethane	51.5	4.00	ug/L	50.00		103	77-125				1
1,1-Dichloroethene	52.3	8.00	ug/L	50.00		105	71-131				1
1,1-Dichloropropene	51.6	2.00	ug/L	50.00		103	79-125				1
1,2,3-Trichlorobenzene	49.8	2.00	ug/L	50.00		100	69-129				1
1,2,3-Trichloropropane	49.2	4.00	ug/L	50.00		98	73-122				1
1,2,4-Trimethylbenzene	53.3	4.00	ug/L	50.00		107	76-124				1
1,2-Dibromo-3-chloropropane	44.2	8.00	ug/L	50.00		88	72-124				1
1,2-Dibromoethane	50.2	2.00	ug/L	50.00		100	77-121				1
1,2-Dichloroethane	52.2	4.00	ug/L	50.00		104	73-128				1
1,2-Dichloropropane	53.3	4.00	ug/L	50.00		107	78-122				1
1,3,5-Trimethylbenzene	52.9	2.00	ug/L	50.00		106	75-124				1
1,3-Dichloropropane	50.4	2.00	ug/L	50.00		101	82-130				1

**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 10/07/2020**Project:** Milw Die Cast  
CHW8271N**Matrix:** Water**Work Order:** 2010861**Volatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B010944 - SW5030** (Continued)**LCS (B010944-BS1)** (Continued)

Prepared: 09/29/2020 10:07 Analyzed: 09/29/2020 12:41

2,2-Dichloropropane	52.9	8.00	ug/L	50.00		106	60-139				1
2-Butanone	176	28.0	ug/L	175.0		101	71-119				1
2-Chlorotoluene	52.5	2.00	ug/L	50.00		105	79-122				1
2-Hexanone	175	28.0	ug/L	175.0		100	57-139				1
4-Isopropyltoluene	53.7	4.00	ug/L	50.00		107	77-127				1
4-Methyl-2-pentanone	181	28.0	ug/L	175.0		103	67-130				1
Acetone	190	70.0	ug/L	175.0		109	39-160				1
Benzene	52.5	2.00	ug/L	50.00		105	79-120				1
Bromobenzene	52.3	2.00	ug/L	50.00		105	80-132				1
Bromochloromethane	49.0	4.00	ug/L	50.00		98	78-123				1
Bromodichloromethane	53.1	2.00	ug/L	50.00		106	84-139				1
Bromoform	50.8	4.00	ug/L	50.00		102	66-130				1
Bromomethane	46.4	8.00	ug/L	50.00		93	56-150				1
Carbon disulfide	50.4	4.00	ug/L	50.00		101	80-124				1
Carbon tetrachloride	53.8	4.00	ug/L	50.00		108	75-125				1
Chlorobenzene	51.8	2.00	ug/L	50.00		104	82-118				1
Chloroethane	46.8	4.00	ug/L	50.00		94	60-138				1
Chloroform	52.3	8.00	ug/L	50.00		105	79-124				1
Chloromethane	47.2	8.00	ug/L	50.00		94	50-139				1
cis-1,2-Dichloroethene	50.2	4.00	ug/L	50.00		100	78-123				1
cis-1,3-Dichloropropene	55.0	4.00	ug/L	50.00		110	75-124				1
Cyclohexane	52.0	2.00	ug/L	50.00		104	71-130				1
Dibromochloromethane	51.6	4.00	ug/L	50.00		103	83-140				1
Dibromomethane	52.8	2.00	ug/L	50.00		106	79-138				1
Dichlorodifluoromethane	50.2	2.00	ug/L	50.00		100	66-150				1
Ethylbenzene	53.3	2.00	ug/L	50.00		107	79-137				1
Isopropylbenzene	52.7	2.00	ug/L	50.00		105	72-131				1
m,p-Xylene	105	8.00	ug/L	100.0		105	80-136				1
Methyl tert-butyl ether	49.9	4.00	ug/L	50.00		100	71-124				1
Methylene chloride	49.6	8.00	ug/L	50.00		99	74-124				1
n-Butylbenzene	50.9	2.00	ug/L	50.00		102	75-128				1
n-Propylbenzene	55.3	2.00	ug/L	50.00		111	76-126				1
o-Xylene	51.2	2.00	ug/L	50.00		102	78-122				1
sec-Butylbenzene	54.0	2.00	ug/L	50.00		108	77-126				1
Styrene	53.1	8.00	ug/L	50.00		106	78-123				1
tert-Butylbenzene	52.3	4.00	ug/L	50.00		105	78-124				1
Tetrachloroethene	43.8	4.00	ug/L	50.00		88	74-129				1
Toluene	50.5	4.00	ug/L	50.00		101	80-133				1
trans-1,2-Dichloroethene	50.7	4.00	ug/L	50.00		101	75-124				1
trans-1,3-Dichloropropene	53.2	8.00	ug/L	50.00		106	73-127				1
Trichloroethene	52.5	4.00	ug/L	50.00		105	84-129				1
Trichlorofluoromethane	51.9	4.00	ug/L	50.00		104	73-134				1



**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 10/07/2020**Project:** Milw Die Cast  
CHW8271N**Matrix:** Water**Work Order:** 2010861**Volatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B010944 - SW5030 (Continued)****LCS (B010944-BS1) (Continued)**

Prepared: 09/29/2020 10:07 Analyzed: 09/29/2020 12:41

Vinyl chloride	50.0	4.00	ug/L	50.00		100	58-137				1
Xylenes, Total	157	12.0	ug/L	150.0		104	80-132				1
Surrogate: Dibromofluoromethane	20.8		ug/L	20.00		104	84-137				1
Surrogate: 1,2-Dichloroethane-d4	19.7		ug/L	20.00		99	74-140				1
Surrogate: Fluorobenzene	20.2		ug/L	20.00		101	90-105				1
Surrogate: Toluene-d8	19.6		ug/L	20.00		98	74-109				1
Surrogate: 4-Bromofluorobenzene	9.91		ug/L	10.00		99	86-128				1
Surrogate: 1,2-Dichlorobenzene-d4	20.0		ug/L	20.00		100	90-128				1

**LCS Dup (B010944-BSD1)**

Prepared: 09/29/2020 10:07 Analyzed: 09/29/2020 13:14

1,1,1,2-Tetrachloroethane	48.3	4.00	ug/L	50.00		97	84-122	4	20		1
1,1,1-Trichloroethane	50.3	4.00	ug/L	50.00		101	74-131	3	20		1
1,1,2,2-Tetrachloroethane	50.4	4.00	ug/L	50.00		101	71-121	5	20		1
1,1,2-Trichloroethane	52.0	2.00	ug/L	50.00		104	83-139	3	20		1
1,1-Dichloroethane	50.2	4.00	ug/L	50.00		100	77-125	3	20		1
1,1-Dichloroethene	51.5	8.00	ug/L	50.00		103	71-131	2	20		1
1,1-Dichloropropene	52.3	2.00	ug/L	50.00		105	79-125	1	20		1
1,2,3-Trichlorobenzene	49.7	2.00	ug/L	50.00		99	69-129	0.2	20		1
1,2,3-Trichloropropane	49.2	4.00	ug/L	50.00		98	73-122	0.005	20		1
1,2,4-Trimethylbenzene	52.8	4.00	ug/L	50.00		106	76-124	1	20		1
1,2-Dibromo-3-chloropropane	44.9	8.00	ug/L	50.00		90	72-124	2	20		1
1,2-Dibromoethane	51.3	2.00	ug/L	50.00		103	77-121	2	20		1
1,2-Dichloroethane	51.7	4.00	ug/L	50.00		103	73-128	1	20		1
1,2-Dichloropropane	51.6	4.00	ug/L	50.00		103	78-122	3	20		1
1,3,5-Trimethylbenzene	52.4	2.00	ug/L	50.00		105	75-124	1	20		1
1,3-Dichloropropane	52.9	2.00	ug/L	50.00		106	82-130	5	20		1
2,2-Dichloropropane	53.4	8.00	ug/L	50.00		107	60-139	0.9	20		1
2-Butanone	183	28.0	ug/L	175.0		105	71-119	4	20		1
2-Chlorotoluene	51.4	2.00	ug/L	50.00		103	79-122	2	20		1
2-Hexanone	181	28.0	ug/L	175.0		103	57-139	3	20		1
4-Isopropyltoluene	52.7	4.00	ug/L	50.00		105	77-127	2	20		1
4-Methyl-2-pentanone	182	28.0	ug/L	175.0		104	67-130	0.6	20		1
Acetone	192	70.0	ug/L	175.0		110	39-160	0.9	20		1
Benzene	51.7	2.00	ug/L	50.00		103	79-120	2	20		1
Bromobenzene	51.5	2.00	ug/L	50.00		103	80-132	2	20		1
Bromochloromethane	48.9	4.00	ug/L	50.00		98	78-123	0.4	20		1
Bromodichloromethane	51.9	2.00	ug/L	50.00		104	84-139	2	20		1
Bromoform	52.4	4.00	ug/L	50.00		105	66-130	3	20		1
Bromomethane	49.9	8.00	ug/L	50.00		100	56-150	7	20		1
Carbon disulfide	50.3	4.00	ug/L	50.00		101	80-124	0.2	20		1
Carbon tetrachloride	53.0	4.00	ug/L	50.00		106	75-125	2	20		1
Chlorobenzene	53.1	2.00	ug/L	50.00		106	82-118	3	20		1

**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 10/07/2020**Project:** Milw Die Cast  
CHW8271N**Matrix:** Water**Work Order:** 2010861**Volatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B010944 - SW5030 (Continued)****LCS Dup (B010944-BSD1) (Continued)**

Prepared: 09/29/2020 10:07 Analyzed: 09/29/2020 13:14

Chloroethane	44.3	4.00	ug/L	50.00		89	60-138	5	20		1
Chloroform	51.2	8.00	ug/L	50.00		102	79-124	2	20		1
Chloromethane	45.9	8.00	ug/L	50.00		92	50-139	3	20		1
cis-1,2-Dichloroethene	50.5	4.00	ug/L	50.00		101	78-123	0.6	20		1
cis-1,3-Dichloropropene	54.7	4.00	ug/L	50.00		109	75-124	0.6	20		1
Cyclohexane	52.6	2.00	ug/L	50.00		105	71-130	1	20		1
Dibromochloromethane	52.0	4.00	ug/L	50.00		104	83-140	0.9	20		1
Dibromomethane	50.1	2.00	ug/L	50.00		100	79-138	5	20		1
Dichlorodifluoromethane	48.4	2.00	ug/L	50.00		97	66-150	4	20		1
Ethylbenzene	53.3	2.00	ug/L	50.00		107	79-137	0.02	20		1
Isopropylbenzene	51.6	2.00	ug/L	50.00		103	72-131	2	20		1
m,p-Xylene	107	8.00	ug/L	100.0		107	80-136	1	20		1
Methyl tert-butyl ether	49.9	4.00	ug/L	50.00		100	71-124	0.1	20		1
Methylene chloride	49.1	8.00	ug/L	50.00		98	74-124	1	20		1
n-Butylbenzene	51.5	2.00	ug/L	50.00		103	75-128	1	20		1
n-Propylbenzene	54.7	2.00	ug/L	50.00		109	76-126	1	20		1
o-Xylene	51.0	2.00	ug/L	50.00		102	78-122	0.4	20		1
sec-Butylbenzene	53.6	2.00	ug/L	50.00		107	77-126	0.6	20		1
Styrene	53.8	8.00	ug/L	50.00		108	78-123	1	20		1
tert-Butylbenzene	52.0	4.00	ug/L	50.00		104	78-124	0.6	20		1
Tetrachloroethene	44.0	4.00	ug/L	50.00		88	74-129	0.3	20		1
Toluene	51.0	4.00	ug/L	50.00		102	80-133	1	20		1
trans-1,2-Dichloroethene	51.3	4.00	ug/L	50.00		103	75-124	1	20		1
trans-1,3-Dichloropropene	53.3	8.00	ug/L	50.00		107	73-127	0.2	20		1
Trichloroethene	53.7	4.00	ug/L	50.00		107	84-129	2	20		1
Trichlorofluoromethane	50.9	4.00	ug/L	50.00		102	73-134	2	20		1
Vinyl chloride	47.9	4.00	ug/L	50.00		96	58-137	4	20		1
Xylenes, Total	158	12.0	ug/L	150.0		105	80-132	0.9	20		1
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Surrogate: Dibromofluoromethane	20.1		ug/L	20.00		101	84-137				1
Surrogate: 1,2-Dichloroethane-d4	20.1		ug/L	20.00		100	74-140				1
Surrogate: Fluorobenzene	20.5		ug/L	20.00		103	90-105				1
Surrogate: Toluene-d8	20.6		ug/L	20.00		103	74-109				1
Surrogate: 4-Bromofluorobenzene	9.71		ug/L	10.00		97	86-128				1
Surrogate: 1,2-Dichlorobenzene-d4	19.4		ug/L	20.00		97	90-128				1

**Matrix Spike (B010944-MS1)****Source: 2010861-03**

Prepared: 09/29/2020 10:07 Analyzed: 09/29/2020 13:42

1,1,1,2-Tetrachloroethane	50.1	4.00	ug/L	50.00	ND	100	70-130				1
1,1,1-Trichloroethane	53.4	4.00	ug/L	50.00	ND	107	70-130				1
1,1,2,2-Tetrachloroethane	51.5	4.00	ug/L	50.00	ND	103	70-130				1
1,1,2-Trichloroethane	51.3	2.00	ug/L	50.00	ND	103	70-130				1
1,1-Dichloroethane	52.0	4.00	ug/L	50.00	ND	104	70-130				1
1,1-Dichloroethene	55.4	8.00	ug/L	50.00	ND	111	70-130				1

**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 10/07/2020**Project:** Milw Die Cast  
CHW8271N**Matrix:** Water**Work Order:** 2010861**Volatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B010944 - SW5030** (Continued)**Matrix Spike (B010944-MS1)** (Continued)**Source: 2010861-03**

Prepared: 09/29/2020 10:07 Analyzed: 09/29/2020 13:42

1,1-Dichloropropene	55.5	2.00	ug/L	50.00	ND	111	70-130				1
1,2,3-Trichlorobenzene	48.8	2.00	ug/L	50.00	ND	98	70-130				1
1,2,3-Trichloropropane	47.4	4.00	ug/L	50.00	ND	95	70-130				1
1,2,4-Trimethylbenzene	54.3	4.00	ug/L	50.00	ND	109	70-130				1
1,2-Dibromo-3-chloropropane	41.3	8.00	ug/L	50.00	ND	83	70-130				1
1,2-Dibromoethane	50.6	2.00	ug/L	50.00	ND	101	70-130				1
1,2-Dichloroethane	53.2	4.00	ug/L	50.00	ND	106	70-130				1
1,2-Dichloropropane	52.8	4.00	ug/L	50.00	ND	106	70-130				1
1,3,5-Trimethylbenzene	54.1	2.00	ug/L	50.00	ND	108	70-130				1
1,3-Dichloropropane	49.9	2.00	ug/L	50.00	ND	100	70-130				1
2,2-Dichloropropane	55.4	8.00	ug/L	50.00	ND	111	70-130				1
2-Butanone	157	28.0	ug/L	175.0	ND	89	70-130				1
2-Chlorotoluene	53.8	2.00	ug/L	50.00	ND	108	70-130				1
2-Hexanone	159	28.0	ug/L	175.0	ND	91	70-130				1
4-Isopropyltoluene	54.8	4.00	ug/L	50.00	ND	110	70-130				1
4-Methyl-2-pentanone	176	28.0	ug/L	175.0	ND	101	70-130				1
Acetone	146	70.0	ug/L	175.0	ND	84	70-130				1
Benzene	51.8	2.00	ug/L	50.00	ND	104	70-130				1
Bromobenzene	52.6	2.00	ug/L	50.00	ND	105	70-130				1
Bromochloromethane	50.3	4.00	ug/L	50.00	ND	101	70-130				1
Bromodichloromethane	52.1	2.00	ug/L	50.00	ND	104	70-130				1
Bromoform	49.9	4.00	ug/L	50.00	ND	100	70-130				1
Bromomethane	52.6	8.00	ug/L	50.00	ND	105	70-130				1
Carbon disulfide	52.6	4.00	ug/L	50.00	ND	105	70-130				1
Carbon tetrachloride	55.2	4.00	ug/L	50.00	ND	110	70-130				1
Chlorobenzene	52.8	2.00	ug/L	50.00	ND	106	70-130				1
Chloroethane	46.9	4.00	ug/L	50.00	ND	94	70-130				1
Chloroform	52.6	8.00	ug/L	50.00	ND	105	70-130				1
Chloromethane	48.1	8.00	ug/L	50.00	ND	96	70-130				1
cis-1,2-Dichloroethene	154	4.00	ug/L	50.00	128	53	70-130			S	1
cis-1,3-Dichloropropene	53.5	4.00	ug/L	50.00	ND	107	70-130				1
Cyclohexane	53.1	2.00	ug/L	50.00	ND	106	70-130				1
Dibromochloromethane	51.4	4.00	ug/L	50.00	ND	103	70-130				1
Dibromomethane	50.7	2.00	ug/L	50.00	ND	101	70-130				1
Dichlorodifluoromethane	52.4	2.00	ug/L	50.00	ND	105	70-130				1
Ethylbenzene	53.6	2.00	ug/L	50.00	ND	107	70-130				1
Isopropylbenzene	53.4	2.00	ug/L	50.00	ND	107	70-130				1
m,p-Xylene	108	8.00	ug/L	100.0	ND	108	70-130				1
Methyl tert-butyl ether	51.5	4.00	ug/L	50.00	ND	103	70-130				1
Methylene chloride	51.4	8.00	ug/L	50.00	ND	103	70-130				1
n-Butylbenzene	51.6	2.00	ug/L	50.00	ND	103	70-130				1
n-Propylbenzene	57.8	2.00	ug/L	50.00	ND	116	70-130				1

**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 10/07/2020**Project:** Milw Die Cast  
CHW8271N**Matrix:** Water**Work Order:** 2010861**Volatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B010944 - SW5030 (Continued)****Matrix Spike (B010944-MS1) (Continued)****Source: 2010861-03**

Prepared: 09/29/2020 10:07 Analyzed: 09/29/2020 13:42

o-Xylene	51.8	2.00	ug/L	50.00	ND	104	70-130				1
sec-Butylbenzene	54.6	2.00	ug/L	50.00	ND	109	70-130				1
Styrene	53.2	8.00	ug/L	50.00	ND	106	70-130				1
tert-Butylbenzene	52.6	4.00	ug/L	50.00	ND	105	70-130				1
Tetrachloroethene	323	4.00	ug/L	50.00	306	34	70-130			E1, S	1
Toluene	50.7	4.00	ug/L	50.00	ND	101	70-130				1
trans-1,2-Dichloroethene	54.0	4.00	ug/L	50.00	1.31	105	70-130				1
trans-1,3-Dichloropropene	53.9	8.00	ug/L	50.00	ND	108	70-130				1
Trichloroethene	148	4.00	ug/L	50.00	109	78	70-130				1
Trichlorofluoromethane	52.8	4.00	ug/L	50.00	ND	106	70-130				1
Vinyl chloride	60.6	4.00	ug/L	50.00	10.9	99	70-130				1
Xylenes, Total	160	12.0	ug/L	150.0	ND	107	70-130				1
Surrogate: Dibromofluoromethane	20.5		ug/L	20.00		103	84-137				1
Surrogate: 1,2-Dichloroethane-d4	20.2		ug/L	20.00		101	74-140				1
Surrogate: Fluorobenzene	20.2		ug/L	20.00		101	90-105				1
Surrogate: Toluene-d8	20.0		ug/L	20.00		100	74-109				1
Surrogate: 4-Bromofluorobenzene	10.1		ug/L	10.00		101	86-128				1
Surrogate: 1,2-Dichlorobenzene-d4	19.5		ug/L	20.00		97	90-128				1

**Matrix Spike Dup (B010944-MSD1)****Source: 2010861-03**

Prepared: 09/29/2020 10:07 Analyzed: 09/29/2020 14:07

1,1,1,2-Tetrachloroethane	50.2	4.00	ug/L	50.00	ND	100	70-130	0.03	20		1
1,1,1-Trichloroethane	54.3	4.00	ug/L	50.00	ND	109	70-130	2	20		1
1,1,2,2-Tetrachloroethane	56.2	4.00	ug/L	50.00	ND	112	70-130	9	20		1
1,1,2-Trichloroethane	52.8	2.00	ug/L	50.00	ND	106	70-130	3	20		1
1,1-Dichloroethane	52.8	4.00	ug/L	50.00	ND	106	70-130	2	20		1
1,1-Dichloroethene	56.5	8.00	ug/L	50.00	ND	113	70-130	2	20		1
1,1-Dichloropropene	56.0	2.00	ug/L	50.00	ND	112	70-130	1	20		1
1,2,3-Trichlorobenzene	50.8	2.00	ug/L	50.00	ND	102	70-130	4	20		1
1,2,3-Trichloropropane	51.2	4.00	ug/L	50.00	ND	102	70-130	8	20		1
1,2,4-Trimethylbenzene	53.7	4.00	ug/L	50.00	ND	107	70-130	1	20		1
1,2-Dibromo-3-chloropropane	49.3	8.00	ug/L	50.00	ND	99	70-130	18	20		1
1,2-Dibromoethane	51.9	2.00	ug/L	50.00	ND	104	70-130	3	20		1
1,2-Dichloroethane	54.0	4.00	ug/L	50.00	ND	108	70-130	1	20		1
1,2-Dichloropropane	54.2	4.00	ug/L	50.00	ND	108	70-130	3	20		1
1,3,5-Trimethylbenzene	54.9	2.00	ug/L	50.00	ND	110	70-130	1	20		1
1,3-Dichloropropane	51.5	2.00	ug/L	50.00	ND	103	70-130	3	20		1
2,2-Dichloropropane	56.5	8.00	ug/L	50.00	ND	113	70-130	2	20		1
2-Butanone	183	28.0	ug/L	175.0	ND	105	70-130	16	20		1
2-Chlorotoluene	54.3	2.00	ug/L	50.00	ND	109	70-130	1	20		1
2-Hexanone	176	28.0	ug/L	175.0	ND	100	70-130	10	20		1
4-Isopropyltoluene	55.7	4.00	ug/L	50.00	ND	111	70-130	2	20		1
4-Methyl-2-pentanone	189	28.0	ug/L	175.0	ND	108	70-130	7	20		1

**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 10/07/2020**Project:** Milw Die Cast  
CHW8271N**Matrix:** Water**Work Order:** 2010861**Volatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B010944 - SW5030 (Continued)****Matrix Spike Dup (B010944-MSD1) (Continued)****Source: 2010861-03**

Prepared: 09/29/2020 10:07 Analyzed: 09/29/2020 14:07

Acetone	159	70.0	ug/L	175.0	ND	91	70-130	9	20		1
Benzene	52.9	2.00	ug/L	50.00	ND	106	70-130	2	20		1
Bromobenzene	53.8	2.00	ug/L	50.00	ND	108	70-130	2	20		1
Bromochloromethane	52.2	4.00	ug/L	50.00	ND	104	70-130	4	20		1
Bromodichloromethane	53.5	2.00	ug/L	50.00	ND	107	70-130	3	20		1
Bromoform	51.1	4.00	ug/L	50.00	ND	102	70-130	3	20		1
Bromomethane	52.1	8.00	ug/L	50.00	ND	104	70-130	1	20		1
Carbon disulfide	52.4	4.00	ug/L	50.00	ND	105	70-130	0.4	20		1
Carbon tetrachloride	56.0	4.00	ug/L	50.00	ND	112	70-130	1	20		1
Chlorobenzene	53.0	2.00	ug/L	50.00	ND	106	70-130	0.3	20		1
Chloroethane	46.5	4.00	ug/L	50.00	ND	93	70-130	0.8	20		1
Chloroform	53.7	8.00	ug/L	50.00	ND	107	70-130	2	20		1
Chloromethane	48.9	8.00	ug/L	50.00	ND	98	70-130	1	20		1
cis-1,2-Dichloroethene	159	4.00	ug/L	50.00	128	61	70-130	3	20	S	1
cis-1,3-Dichloropropene	55.0	4.00	ug/L	50.00	ND	110	70-130	3	20		1
Cyclohexane	53.5	2.00	ug/L	50.00	ND	107	70-130	0.7	20		1
Dibromochloromethane	52.4	4.00	ug/L	50.00	ND	105	70-130	2	20		1
Dibromomethane	52.1	2.00	ug/L	50.00	ND	104	70-130	3	20		1
Dichlorodifluoromethane	51.0	2.00	ug/L	50.00	ND	102	70-130	3	20		1
Ethylbenzene	53.7	2.00	ug/L	50.00	ND	107	70-130	0.2	20		1
Isopropylbenzene	54.8	2.00	ug/L	50.00	ND	110	70-130	3	20		1
m,p-Xylene	108	8.00	ug/L	100.0	ND	108	70-130	0.8	20		1
Methyl tert-butyl ether	53.0	4.00	ug/L	50.00	ND	106	70-130	3	20		1
Methylene chloride	50.7	8.00	ug/L	50.00	ND	101	70-130	1	20		1
n-Butylbenzene	52.1	2.00	ug/L	50.00	ND	104	70-130	1	20		1
n-Propylbenzene	56.8	2.00	ug/L	50.00	ND	114	70-130	2	20		1
o-Xylene	53.6	2.00	ug/L	50.00	ND	107	70-130	3	20		1
sec-Butylbenzene	55.8	2.00	ug/L	50.00	ND	112	70-130	2	20		1
Styrene	53.5	8.00	ug/L	50.00	ND	107	70-130	0.5	20		1
tert-Butylbenzene	54.8	4.00	ug/L	50.00	ND	110	70-130	4	20		1
Tetrachloroethene	321	4.00	ug/L	50.00	306	32	70-130	0.3	20	E1, S	1
Toluene	52.1	4.00	ug/L	50.00	ND	104	70-130	3	20		1
trans-1,2-Dichloroethene	54.3	4.00	ug/L	50.00	1.31	106	70-130	0.6	20		1
trans-1,3-Dichloropropene	54.8	8.00	ug/L	50.00	ND	110	70-130	2	20		1
Trichloroethene	148	4.00	ug/L	50.00	109	79	70-130	0.3	20		1
Trichlorofluoromethane	53.3	4.00	ug/L	50.00	ND	107	70-130	0.9	20		1
Vinyl chloride	60.8	4.00	ug/L	50.00	10.9	100	70-130	0.4	20		1
Xylenes, Total	161	12.0	ug/L	150.0	ND	107	70-130	0.6	20		1
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Surrogate: Dibromofluoromethane	20.9		ug/L	20.00		104	84-137				1
Surrogate: 1,2-Dichloroethane-d4	20.3		ug/L	20.00		102	74-140				1
Surrogate: Fluorobenzene	19.8		ug/L	20.00		99	90-105				1
Surrogate: Toluene-d8	19.5		ug/L	20.00		97	74-109				1



**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 10/07/2020**Project:** Milw Die Cast  
CHW8271N**Matrix:** Water**Work Order:** 2010861**Volatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B0I0944 - SW5030 (Continued)****Matrix Spike Dup (B0I0944-MSD1) (Continued)****Source: 2010861-03**

Prepared: 09/29/2020 10:07 Analyzed: 09/29/2020 14:07

Surrogate: 4-Bromofluorobenzene	9.70		ug/L	10.00		97	86-128				1
Surrogate: 1,2-Dichlorobenzene-d4	19.5		ug/L	20.00		98	90-128				1

**Batch: B0J0079 - SW5030****Blank (B0J0079-BLK1)**

Prepared: 10/01/2020 10:54 Analyzed: 10/01/2020 13:23

1,1,1-Trichloroethane	< 4.00	4.00	ug/L								1
1,1,2,2-Tetrachloroethane	< 4.00	4.00	ug/L								1
1,1,2-Trichloroethane	< 2.00	2.00	ug/L								1
1,1-Dichloroethane	< 4.00	4.00	ug/L								1
1,1-Dichloroethene	< 8.00	8.00	ug/L								1
1,2-Dibromo-3-chloropropane	< 8.00	8.00	ug/L								1
1,2-Dibromoethane	< 2.00	2.00	ug/L								1
1,2-Dichloroethane	< 4.00	4.00	ug/L								1
1,2-Dichloropropane	< 4.00	4.00	ug/L								1
1-Butanol	< 200	200	ug/L								1
2-Butanone	< 28.0	28.0	ug/L								1
2-Hexanone	< 28.0	28.0	ug/L								1
4-Methyl-2-pentanone	< 28.0	28.0	ug/L								1
Acetone	< 70.0	70.0	ug/L								1
Acrylonitrile	< 4.00	4.00	ug/L								1
Benzene	< 2.00	2.00	ug/L								1
Bromodichloromethane	< 2.00	2.00	ug/L								1
Bromoform	< 4.00	4.00	ug/L								1
Bromomethane	< 8.00	8.00	ug/L								1
Carbon disulfide	< 4.00	4.00	ug/L								1
Carbon tetrachloride	< 4.00	4.00	ug/L								1
Chlorobenzene	< 2.00	2.00	ug/L								1
Chloroethane	< 4.00	4.00	ug/L								1
Chloroform	< 8.00	8.00	ug/L								1
Chloromethane	< 8.00	8.00	ug/L								1
cis-1,2-Dichloroethene	< 4.00	4.00	ug/L								1
Dibromochloromethane	< 4.00	4.00	ug/L								1
Ethylbenzene	< 2.00	2.00	ug/L								1
m,p-Xylene	< 8.00	8.00	ug/L								1
Methyl tert-butyl ether	< 4.00	4.00	ug/L								1
Methylene chloride	< 8.00	8.00	ug/L								1
o-Xylene	< 2.00	2.00	ug/L								1
Styrene	< 8.00	8.00	ug/L								1
Tetrachloroethene	< 4.00	4.00	ug/L								1
Toluene	< 4.00	4.00	ug/L								1
trans-1,2-Dichloroethene	< 4.00	4.00	ug/L								1

**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 10/07/2020**Project:** Milw Die Cast  
CHW8271N**Matrix:** Water**Work Order:** 2010861**Volatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B0J0079 - SW5030 (Continued)****Blank (B0J0079-BLK1) (Continued)**

Prepared: 10/01/2020 10:54 Analyzed: 10/01/2020 13:23

Trichloroethene	< 4.00	4.00	ug/L								1
Vinyl acetate	< 4.00	4.00	ug/L								1
Vinyl chloride	< 4.00	4.00	ug/L								1
Xylenes, Total	< 12.0	12.0	ug/L								1
1,3-Dichloropropene, Total	< 8.00	8.00	ug/L								1
<i>Surrogate: Dibromofluoromethane</i>	19.8		ug/L	20.00		99	84-137				1
<i>Surrogate: 1,2-Dichloroethane-d4</i>	20.6		ug/L	20.00		103	74-140				1
<i>Surrogate: Fluorobenzene</i>	20.2		ug/L	20.00		101	90-105				1
<i>Surrogate: Toluene-d8</i>	19.4		ug/L	20.00		97	74-109				1
<i>Surrogate: 4-Bromofluorobenzene</i>	9.80		ug/L	10.00		98	86-128				1
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	19.2		ug/L	20.00		96	90-128				1

**LCS (B0J0079-BS1)**

Prepared: 10/01/2020 10:54 Analyzed: 10/01/2020 12:06

1,1,1-Trichloroethane	52.4	4.00	ug/L	50.00		105	74-131				1
1,1,1,2-Tetrachloroethane	49.7	4.00	ug/L	50.00		99	71-121				1
1,1,2-Trichloroethane	50.1	2.00	ug/L	50.00		100	83-139				1
1,1-Dichloroethane	50.5	4.00	ug/L	50.00		101	77-125				1
1,1-Dichloroethene	53.5	8.00	ug/L	50.00		107	71-131				1
1,2-Dibromo-3-chloropropane	42.1	8.00	ug/L	50.00		84	72-124				1
1,2-Dibromoethane	49.9	2.00	ug/L	50.00		100	77-121				1
1,2-Dichloroethane	51.5	4.00	ug/L	50.00		103	73-128				1
1,2-Dichloropropane	52.7	4.00	ug/L	50.00		105	78-122				1
1-Butanol	501	200	ug/L	500.0		100	70-130				1
2-Butanone	174	28.0	ug/L	175.0		100	71-119				1
2-Hexanone	169	28.0	ug/L	175.0		96	57-139				1
4-Methyl-2-pentanone	178	28.0	ug/L	175.0		102	67-130				1
Acetone	190	70.0	ug/L	175.0		108	39-160				1
Acrylonitrile	44.8	4.00	ug/L	50.00		90	63-135				1
Benzene	51.6	2.00	ug/L	50.00		103	79-120				1
Bromodichloromethane	52.7	2.00	ug/L	50.00		105	84-139				1
Bromoform	51.3	4.00	ug/L	50.00		103	66-130				1
Bromomethane	50.2	8.00	ug/L	50.00		100	56-150				1
Carbon disulfide	51.2	4.00	ug/L	50.00		102	80-124				1
Carbon tetrachloride	54.5	4.00	ug/L	50.00		109	75-125				1
Chlorobenzene	51.0	2.00	ug/L	50.00		102	82-118				1
Chloroethane	47.6	4.00	ug/L	50.00		95	60-138				1
Chloroform	51.6	8.00	ug/L	50.00		103	79-124				1
Chloromethane	47.1	8.00	ug/L	50.00		94	50-139				1
cis-1,2-Dichloroethene	50.3	4.00	ug/L	50.00		101	78-123				1
Dibromochloromethane	50.3	4.00	ug/L	50.00		101	83-140				1
Ethylbenzene	51.4	2.00	ug/L	50.00		103	79-137				1
m,p-Xylene	105	8.00	ug/L	100.0		105	80-136				1

**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 10/07/2020**Project:** Milw Die Cast  
CHW8271N**Matrix:** Water**Work Order:** 2010861**Volatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B0J0079 - SW5030 (Continued)****LCS (B0J0079-BS1) (Continued)**

Prepared: 10/01/2020 10:54 Analyzed: 10/01/2020 12:06

Methyl tert-butyl ether	50.3	4.00	ug/L	50.00		101	71-124				1
Methylene chloride	51.6	8.00	ug/L	50.00		103	74-124				1
o-Xylene	49.7	2.00	ug/L	50.00		99	78-122				1
Styrene	52.7	8.00	ug/L	50.00		105	78-123				1
Tetrachloroethene	42.6	4.00	ug/L	50.00		85	74-129				1
Toluene	48.9	4.00	ug/L	50.00		98	80-133				1
trans-1,2-Dichloroethene	51.4	4.00	ug/L	50.00		103	75-124				1
Trichloroethene	52.6	4.00	ug/L	50.00		105	84-129				1
Vinyl acetate	59.9	4.00	ug/L	50.00		120	76-133				1
Vinyl chloride	49.3	4.00	ug/L	50.00		99	58-137				1
Xylenes, Total	154	12.0	ug/L	150.0		103	80-132				1
1,3-Dichloropropene, Total	108	8.00	ug/L	100.0		108	77-123				1
Surrogate: Dibromofluoromethane	20.9		ug/L	20.00		104	84-137				1
Surrogate: 1,2-Dichloroethane-d4	20.3		ug/L	20.00		101	74-140				1
Surrogate: Fluorobenzene	20.4		ug/L	20.00		102	90-105				1
Surrogate: Toluene-d8	19.4		ug/L	20.00		97	74-109				1
Surrogate: 4-Bromofluorobenzene	9.40		ug/L	10.00		94	86-128				1
Surrogate: 1,2-Dichlorobenzene-d4	19.5		ug/L	20.00		97	90-128				1

**LCS Dup (B0J0079-BSD1)**

Prepared: 10/01/2020 10:54 Analyzed: 10/01/2020 12:32

1,1,1-Trichloroethane	53.7	4.00	ug/L	50.00		107	74-131	2	20		1
1,1,2,2-Tetrachloroethane	54.8	4.00	ug/L	50.00		110	71-121	10	20		1
1,1,2-Trichloroethane	51.9	2.00	ug/L	50.00		104	83-139	3	20		1
1,1-Dichloroethane	52.1	4.00	ug/L	50.00		104	77-125	3	20		1
1,1-Dichloroethene	55.4	8.00	ug/L	50.00		111	71-131	3	20		1
1,2-Dibromo-3-chloropropane	48.4	8.00	ug/L	50.00		97	72-124	14	20		1
1,2-Dibromoethane	52.7	2.00	ug/L	50.00		105	77-121	5	20		1
1,2-Dichloroethane	52.2	4.00	ug/L	50.00		104	73-128	1	20		1
1,2-Dichloropropane	53.6	4.00	ug/L	50.00		107	78-122	2	20		1
1-Butanol	557	200	ug/L	500.0		111	70-130	11	20		1
2-Butanone	181	28.0	ug/L	175.0		103	71-119	4	20		1
2-Hexanone	181	28.0	ug/L	175.0		103	57-139	7	20		1
4-Methyl-2-pentanone	184	28.0	ug/L	175.0		105	67-130	3	20		1
Acetone	182	70.0	ug/L	175.0		104	39-160	4	20		1
Acrylonitrile	47.5	4.00	ug/L	50.00		95	63-135	6	20		1
Benzene	51.8	2.00	ug/L	50.00		104	79-120	0.4	20		1
Bromodichloromethane	53.7	2.00	ug/L	50.00		107	84-139	2	20		1
Bromoform	52.9	4.00	ug/L	50.00		106	66-130	3	20		1
Bromomethane	51.4	8.00	ug/L	50.00		103	56-150	2	20		1
Carbon disulfide	51.9	4.00	ug/L	50.00		104	80-124	1	20		1
Carbon tetrachloride	54.5	4.00	ug/L	50.00		109	75-125	0.07	20		1
Chlorobenzene	53.3	2.00	ug/L	50.00		107	82-118	4	20		1

**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 10/07/2020**Project:** Milw Die Cast  
CHW8271N**Matrix:** Water**Work Order:** 2010861**Volatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B0J0079 - SW5030 (Continued)****LCS Dup (B0J0079-BSD1) (Continued)**

Prepared: 10/01/2020 10:54 Analyzed: 10/01/2020 12:32

Chloroethane	47.6	4.00	ug/L	50.00		95	60-138	0.07	20		1
Chloroform	52.9	8.00	ug/L	50.00		106	79-124	2	20		1
Chloromethane	49.3	8.00	ug/L	50.00		99	50-139	5	20		1
cis-1,2-Dichloroethene	52.0	4.00	ug/L	50.00		104	78-123	3	20		1
Dibromochloromethane	54.2	4.00	ug/L	50.00		108	83-140	7	20		1
Ethylbenzene	54.8	2.00	ug/L	50.00		110	79-137	6	20		1
m,p-Xylene	109	8.00	ug/L	100.0		109	80-136	5	20		1
Methyl tert-butyl ether	50.9	4.00	ug/L	50.00		102	71-124	1	20		1
Methylene chloride	51.7	8.00	ug/L	50.00		103	74-124	0.2	20		1
o-Xylene	52.2	2.00	ug/L	50.00		104	78-122	5	20		1
Styrene	55.3	8.00	ug/L	50.00		111	78-123	5	20		1
Tetrachloroethene	44.2	4.00	ug/L	50.00		88	74-129	4	20		1
Toluene	51.0	4.00	ug/L	50.00		102	80-133	4	20		1
trans-1,2-Dichloroethene	52.2	4.00	ug/L	50.00		104	75-124	2	20		1
Trichloroethene	54.1	4.00	ug/L	50.00		108	84-129	3	20		1
Vinyl acetate	60.3	4.00	ug/L	50.00		121	76-133	0.6	20		1
Vinyl chloride	50.4	4.00	ug/L	50.00		101	58-137	2	20		1
Xylenes, Total	162	12.0	ug/L	150.0		108	80-132	5	20		1
1,3-Dichloropropene, Total	107	8.00	ug/L	100.0		107	77-123	0.5	20		1
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Surrogate: Dibromofluoromethane	19.4		ug/L	20.00		97	84-137				1
Surrogate: 1,2-Dichloroethane-d4	20.0		ug/L	20.00		100	74-140				1
Surrogate: Fluorobenzene	19.8		ug/L	20.00		99	90-105				1
Surrogate: Toluene-d8	20.1		ug/L	20.00		101	74-109				1
Surrogate: 4-Bromofluorobenzene	9.87		ug/L	10.00		99	86-128				1
Surrogate: 1,2-Dichlorobenzene-d4	19.5		ug/L	20.00		98	90-128				1

**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 10/07/2020**Project:** Milw Die Cast  
CHW8271N**Matrix:** Water**Work Order:** 2010861**Semivolatile Organic Compounds by GC/MS**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B010881 - SW3510****Blank (B010881-BLK1)**

Prepared: 09/29/2020 11:11 Analyzed: 09/30/2020 06:23

1,2,4-Trichlorobenzene	< 0.280	2.00	ug/L								1
1,2-Dichlorobenzene	< 0.300	2.00	ug/L								1
1,3-Dichlorobenzene	< 0.310	2.00	ug/L								1
1,4-Dichlorobenzene	< 0.280	2.00	ug/L								1
2,4,5-Trichlorophenol	< 0.129	1.00	ug/L								1
2,4,6-Trichlorophenol	< 0.244	1.00	ug/L								1
2,4-Dichlorophenol	< 0.0788	1.00	ug/L								1
2,4-Dimethylphenol	< 0.117	2.00	ug/L								1
2,4-Dinitrophenol	< 3.31	30.0	ug/L								1
2,4-Dinitrotoluene	< 0.252	2.00	ug/L								1
2,6-Dinitrotoluene	< 0.230	1.00	ug/L								1
2-Chloronaphthalene	< 0.106	0.600	ug/L								1
2-Chlorophenol	< 0.153	1.00	ug/L								1
2-Methylnaphthalene	< 0.640	4.00	ug/L								1
2-Methylphenol	< 0.183	1.00	ug/L								1
2-Nitroaniline	< 2.56	30.0	ug/L								1
2-Nitrophenol	< 0.209	1.00	ug/L								1
3,3'-Dichlorobenzidine	< 3.16	20.0	ug/L								1
3 & 4-Methylphenol	< 0.179	1.00	ug/L								1
3-Nitroaniline	< 0.360	2.00	ug/L								1
4,6-Dinitro-2-methylphenol	< 2.45	15.0	ug/L								1
4-Bromophenyl-phenylether	< 0.160	1.00	ug/L								1
4-Chloro-3-methylphenol	< 0.0713	0.500	ug/L								1
4-Chloroaniline	< 0.107	0.600	ug/L								1
4-Chlorophenyl-phenylether	< 0.146	1.00	ug/L								1
4-Nitroaniline	< 3.77	30.0	ug/L								1
4-Nitrophenol	< 1.44	15.0	ug/L								1
Acenaphthene	< 0.104	0.600	ug/L								1
Acenaphthylene	< 0.130	0.600	ug/L								1
Anthracene	< 0.112	0.600	ug/L								1
Azobenzene as 1,2-Diphenylhydrazine	< 0.0767	1.00	ug/L								1
Benzidine	< 16.6	80.0	ug/L								1
Benzo(a)anthracene	< 0.123	0.600	ug/L								1
Benzo(a)pyrene	< 0.376	2.00	ug/L								1
Benzo(b)fluoranthene	< 0.372	2.00	ug/L								1
Benzo(g,h,i)perylene	< 0.399	2.00	ug/L								1
Benzo(k)fluoranthene	< 0.249	2.00	ug/L								1
Benzoic acid	< 11.7	40.0	ug/L								1
Benzyl alcohol	< 0.550	4.00	ug/L								1
Bis(2-chloroethoxy)methane	< 0.135	1.00	ug/L								1
Bis(2-chloroethyl)ether	< 0.176	1.00	ug/L								1
Bis(2-chloroisopropyl)ether	< 0.128	1.00	ug/L								1



**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 10/07/2020**Project:** Milw Die Cast  
CHW8271N**Matrix:** Water**Work Order:** 2010861**Semivolatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B010881 - SW3510 (Continued)****Blank (B010881-BLK1) (Continued)**

Prepared: 09/29/2020 11:11 Analyzed: 09/30/2020 06:23

Bis(2-ethylhexyl)phthalate	< 3.63	20.0	ug/L								1
Butyl benzyl phthalate	< 0.234	1.00	ug/L								1
Carbazole	< 0.173	1.00	ug/L								1
Chrysene	< 0.127	0.600	ug/L								1
Dibenzo(a,h)anthracene	< 0.442	2.00	ug/L								1
Dibenzofuran	< 0.123	0.600	ug/L								1
Diethyl phthalate	< 1.16	6.00	ug/L								1
Dimethyl phthalate	< 0.0883	0.600	ug/L								1
Di-n-butyl phthalate	< 2.88	10.0	ug/L								1
Di-n-octyl phthalate	< 1.89	10.0	ug/L								1
Fluoranthene	< 0.196	1.00	ug/L								1
Fluorene	< 0.124	0.600	ug/L								1
Hexachlorobenzene	< 0.165	1.00	ug/L								1
Hexachlorobutadiene	< 0.250	1.00	ug/L								1
Hexachlorocyclopentadiene	< 2.19	15.0	ug/L								1
Hexachloroethane	< 0.220	1.00	ug/L								1
Indeno(1,2,3-cd)pyrene	< 0.502	2.00	ug/L								1
Isophorone	< 0.110	0.600	ug/L								1
Naphthalene	< 0.816	4.00	ug/L								1
Nitrobenzene	< 0.140	0.600	ug/L								1
N-Nitrosodimethylamine	< 0.156	1.00	ug/L								1
N-Nitrosodi-n-propylamine	< 0.319	2.00	ug/L								1
N-Nitrosodiphenylamine	< 0.104	0.600	ug/L								1
Pentachlorophenol	< 2.52	30.0	ug/L								1
Phenanthrene	< 0.206	1.00	ug/L								1
Phenol	< 0.171	1.00	ug/L								1
Pyrene	< 0.208	1.00	ug/L								1
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Surrogate: 2-Fluorophenol	32.2		ug/L	66.67		48	10-88				1
Surrogate: Phenol-d5	23.6		ug/L	66.67		35	10-65				1
Surrogate: Nitrobenzene-d5	40.1		ug/L	66.67		60	25-128				1
Surrogate: 2-Fluorobiphenyl	34.9		ug/L	66.67		52	24-114				1
Surrogate: 2,4,6-Tribromophenol	44.0		ug/L	66.67		66	15-119				1
Surrogate: 4-Terphenyl-d14	56.4		ug/L	66.67		85	29-129				1

**LCS (B010881-BS1)**

Prepared: 09/29/2020 11:11 Analyzed: 09/30/2020 06:44

1,2,4-Trichlorobenzene	23.8	2.00	ug/L	40.00		59	35-101				1
1,2-Dichlorobenzene	22.9	2.00	ug/L	40.00		57	33-97				1
1,3-Dichlorobenzene	22.4	2.00	ug/L	40.00		56	32-96				1
1,4-Dichlorobenzene	22.3	2.00	ug/L	40.00		56	31-97				1
2,4,5-Trichlorophenol	30.0	1.00	ug/L	40.00		75	38-126				1
2,4,6-Trichlorophenol	28.9	1.00	ug/L	40.00		72	38-124				1
2,4-Dichlorophenol	26.8	1.00	ug/L	40.00		67	42-117				1

**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 10/07/2020**Project:** Milw Die Cast  
CHW8271N**Matrix:** Water**Work Order:** 2010861**Semivolatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B010881 - SW3510** (Continued)**LCS (B010881-BS1)** (Continued)

Prepared: 09/29/2020 11:11 Analyzed: 09/30/2020 06:44

2,4-Dimethylphenol	31.8	2.00	ug/L	40.00		79	11-112				1
2,4-Dinitrophenol	33.2	30.0	ug/L	40.00		83	5-113				1
2,4-Dinitrotoluene	30.8	2.00	ug/L	40.00		77	39-124				1
2,6-Dinitrotoluene	30.5	1.00	ug/L	40.00		76	43-125				1
2-Chloronaphthalene	26.8	0.600	ug/L	40.00		67	38-113				1
2-Chlorophenol	25.6	1.00	ug/L	40.00		64	36-109				1
2-Methylnaphthalene	26.6	4.00	ug/L	40.00		67	42-112				1
2-Methylphenol	26.4	1.00	ug/L	40.00		66	34-105				1
2-Nitroaniline	30.7	30.0	ug/L	40.00		77	35-127				1
2-Nitrophenol	25.6	1.00	ug/L	40.00		64	37-118				1
3,3'-Dichlorobenzidine	60.3	20.0	ug/L	80.00		75	39-125				1
3 & 4-Methylphenol	26.4	1.00	ug/L	40.00		66	34-102				1
3-Nitroaniline	31.7	2.00	ug/L	40.00		79	39-122				1
4,6-Dinitro-2-methylphenol	28.8	15.0	ug/L	40.00		72	29-131				1
4-Bromophenyl-phenylether	30.7	1.00	ug/L	40.00		77	43-127				1
4-Chloro-3-methylphenol	30.4	0.500	ug/L	40.00		76	43-119				1
4-Chloroaniline	27.9	0.600	ug/L	40.00		70	40-116				1
4-Chlorophenyl-phenylether	30.1	1.00	ug/L	40.00		75	41-118				1
4-Nitroaniline	31.6	30.0	ug/L	40.00		79	41-128				1
4-Nitrophenol	16.9	15.0	ug/L	40.00		42	13-68				1
Acenaphthene	28.2	0.600	ug/L	40.00		71	40-115				1
Acenaphthylene	28.0	0.600	ug/L	40.00		70	38-116				1
Anthracene	31.4	0.600	ug/L	40.00		78	41-124				1
Azobenzene as 1,2-Diphenylhydrazine	31.1	1.00	ug/L	40.00		78	41-127				1
Benzidine	43.9	80.0	ug/L	80.00		55	15-122			J	1
Benzo(a)anthracene	30.6	0.600	ug/L	40.00		76	44-131				1
Benzo(a)pyrene	29.2	2.00	ug/L	40.00		73	46-131				1
Benzo(b)fluoranthene	29.7	2.00	ug/L	40.00		74	45-132				1
Benzo(g,h,i)perylene	30.2	2.00	ug/L	40.00		75	41-131				1
Benzo(k)fluoranthene	30.7	2.00	ug/L	40.00		77	47-132				1
Benzoic acid	49.3	40.0	ug/L	160.0		31	5-95				1
Benzyl alcohol	28.2	4.00	ug/L	40.00		71	43-107				1
Bis(2-chloroethoxy)methane	26.2	1.00	ug/L	40.00		65	40-114				1
Bis(2-chloroethyl)ether	25.3	1.00	ug/L	40.00		63	37-109				1
Bis(2-chloroisopropyl)ether	24.8	1.00	ug/L	40.00		62	34-112				1
Bis(2-ethylhexyl)phthalate	33.0	20.0	ug/L	40.00		82	40-135				1
Butyl benzyl phthalate	29.7	1.00	ug/L	40.00		74	38-133				1
Carbazole	31.3	1.00	ug/L	40.00		78	47-129				1
Chrysene	30.5	0.600	ug/L	40.00		76	44-125				1
Dibenzo(a,h)anthracene	29.1	2.00	ug/L	40.00		73	13-126				1
Dibenzofuran	29.5	0.600	ug/L	40.00		74	41-112				1
Diethyl phthalate	32.2	6.00	ug/L	40.00		81	43-125				1

**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 10/07/2020**Project:** Milw Die Cast  
CHW8271N**Matrix:** Water**Work Order:** 2010861**Semivolatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B010881 - SW3510 (Continued)****LCS (B010881-BS1) (Continued)**

Prepared: 09/29/2020 11:11 Analyzed: 09/30/2020 06:44

Dimethyl phthalate	31.3	0.600	ug/L	40.00		78	43-117				1
Di-n-butyl phthalate	30.4	10.0	ug/L	40.00		76	43-132				1
Di-n-octyl phthalate	28.9	10.0	ug/L	40.00		72	36-133				1
Fluoranthene	30.5	1.00	ug/L	40.00		76	47-129				1
Fluorene	30.7	0.600	ug/L	40.00		77	43-116				1
Hexachlorobenzene	29.6	1.00	ug/L	40.00		74	44-112				1
Hexachlorobutadiene	23.1	1.00	ug/L	40.00		58	32-100				1
Hexachlorocyclopentadiene	19.0	15.0	ug/L	40.00		47	18-95				1
Hexachloroethane	21.9	1.00	ug/L	40.00		55	29-98				1
Indeno(1,2,3-cd)pyrene	28.6	2.00	ug/L	40.00		71	35-134				1
Isophorone	27.9	0.600	ug/L	40.00		70	39-113				1
Naphthalene	24.5	4.00	ug/L	40.00		61	33-109				1
Nitrobenzene	25.4	0.600	ug/L	40.00		63	42-111				1
N-Nitrosodimethylamine	20.3	1.00	ug/L	40.00		51	28-87				1
N-Nitrosodi-n-propylamine	29.0	2.00	ug/L	40.00		72	37-115				1
N-Nitrosodiphenylamine	31.4	0.600	ug/L	40.00		79	45-124				1
Pentachlorophenol	32.3	30.0	ug/L	40.00		81	29-120				1
Phenanthrene	30.8	1.00	ug/L	40.00		77	43-114				1
Phenol	15.8	1.00	ug/L	40.00		40	16-71				1
Pyrene	32.0	1.00	ug/L	40.00		80	43-128				1
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Surrogate: 2-Fluorophenol	32.1		ug/L	66.67		48	10-88				1
Surrogate: Phenol-d5	24.6		ug/L	66.67		37	10-65				1
Surrogate: Nitrobenzene-d5	43.0		ug/L	66.67		64	25-128				1
Surrogate: 2-Fluorobiphenyl	43.7		ug/L	66.67		66	24-114				1
Surrogate: 2,4,6-Tribromophenol	50.1		ug/L	66.67		75	15-119				1
Surrogate: 4-Terphenyl-d14	57.0		ug/L	66.67		85	29-129				1

**Matrix Spike (B010881-MS1)****Source: 2010861-03**

Prepared: 09/29/2020 11:11 Analyzed: 09/30/2020 07:26

1,2,4-Trichlorobenzene	24.0	2.14	ug/L	42.79	ND	56	34-96				1
1,2-Dichlorobenzene	23.0	2.14	ug/L	42.79	ND	54	32-91				1
1,3-Dichlorobenzene	22.0	2.14	ug/L	42.79	ND	51	29-90				1
1,4-Dichlorobenzene	22.1	2.14	ug/L	42.79	ND	52	31-88				1
2,4,5-Trichlorophenol	30.0	1.07	ug/L	42.79	ND	70	54-120				1
2,4,6-Trichlorophenol	28.4	1.07	ug/L	42.79	ND	66	51-117				1
2,4-Dichlorophenol	27.8	1.07	ug/L	42.79	ND	65	33-134				1
2,4-Dimethylphenol	27.5	2.14	ug/L	42.79	ND	64	17-132				1
2,4-Dinitrophenol	30.0	32.1	ug/L	42.79	ND	70	1-123			J	1
2,4-Dinitrotoluene	30.9	2.14	ug/L	42.79	ND	72	49-124				1
2,6-Dinitrotoluene	31.5	1.07	ug/L	42.79	ND	74	57-121				1
2-Chloronaphthalene	27.3	0.642	ug/L	42.79	ND	64	50-101				1
2-Chlorophenol	26.2	1.07	ug/L	42.79	ND	61	37-107				1
2-Methylnaphthalene	27.5	4.28	ug/L	42.79	ND	64	35-121				1

**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 10/07/2020**Project:** Milw Die Cast  
CHW8271N**Matrix:** Water**Work Order:** 2010861**Semivolatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B010881 - SW3510** (Continued)**Matrix Spike (B010881-MS1)** (Continued)**Source: 2010861-03**

Prepared: 09/29/2020 11:11

Analyzed: 09/30/2020 07:26

2-Methylphenol	25.6	1.07	ug/L	42.79	ND	60	32-107				1
2-Nitroaniline	30.4	32.1	ug/L	42.79	ND	71	45-123			J	1
2-Nitrophenol	26.9	1.07	ug/L	42.79	ND	63	38-120				1
3,3'-Dichlorobenzidine	63.6	21.4	ug/L	85.59	ND	74	33-137				1
3 & 4-Methylphenol	24.7	1.07	ug/L	42.79	ND	58	20-115				1
3-Nitroaniline	31.4	2.14	ug/L	42.79	ND	73	39-125				1
4,6-Dinitro-2-methylphenol	28.4	16.0	ug/L	42.79	ND	66	11-132				1
4-Bromophenyl-phenylether	31.0	1.07	ug/L	42.79	ND	72	56-116				1
4-Chloro-3-methylphenol	29.7	0.535	ug/L	42.79	ND	69	28-144				1
4-Chloroaniline	29.9	0.642	ug/L	42.79	ND	70	48-110				1
4-Chlorophenyl-phenylether	30.3	1.07	ug/L	42.79	ND	71	55-106				1
4-Nitroaniline	30.7	32.1	ug/L	42.79	ND	72	51-123			J	1
4-Nitrophenol	15.2	16.0	ug/L	42.79	ND	36	10-81			J	1
Acenaphthene	29.1	0.642	ug/L	42.79	ND	68	27-133				1
Acenaphthylene	28.3	0.642	ug/L	42.79	ND	66	47-113				1
Anthracene	31.6	0.642	ug/L	42.79	ND	74	61-115				1
Azobenzene as 1,2-Diphenylhydrazine	31.3	1.07	ug/L	42.79	ND	73	55-119				1
Benzidine	70.2	85.6	ug/L	85.59	ND	82	10-132			J	1
Benzo(a)anthracene	30.5	0.642	ug/L	42.79	ND	71	60-125				1
Benzo(a)pyrene	28.8	2.14	ug/L	42.79	ND	67	66-125				1
Benzo(b)fluoranthene	29.2	2.14	ug/L	42.79	ND	68	65-128				1
Benzo(g,h,i)perylene	30.2	2.14	ug/L	42.79	ND	71	62-123				1
Benzo(k)fluoranthene	30.2	2.14	ug/L	42.79	ND	71	64-122				1
Benzoic acid	28.5	42.8	ug/L	171.2	ND	17	7-82			J	1
Benzyl alcohol	28.9	4.28	ug/L	42.79	ND	68	36-110				1
Bis(2-chloroethoxy)methane	27.5	1.07	ug/L	42.79	ND	64	44-112				1
Bis(2-chloroethyl)ether	26.1	1.07	ug/L	42.79	ND	61	38-104				1
Bis(2-chloroisopropyl)ether	26.1	1.07	ug/L	42.79	ND	61	35-104				1
Bis(2-ethylhexyl)phthalate	30.5	21.4	ug/L	42.79	ND	71	52-139				1
Butyl benzyl phthalate	30.2	1.07	ug/L	42.79	ND	71	55-132				1
Carbazole	31.8	1.07	ug/L	42.79	ND	74	62-128				1
Chrysene	30.5	0.642	ug/L	42.79	ND	71	62-116				1
Dibenzo(a,h)anthracene	29.6	2.14	ug/L	42.79	ND	69	46-143				1
Dibenzofuran	30.1	0.642	ug/L	42.79	ND	70	53-110				1
Diethyl phthalate	31.6	6.42	ug/L	42.79	ND	74	58-117				1
Dimethyl phthalate	31.0	0.642	ug/L	42.79	ND	72	61-106				1
Di-n-butyl phthalate	31.1	10.7	ug/L	42.79	ND	73	60-132				1
Di-n-octyl phthalate	29.3	10.7	ug/L	42.79	ND	69	48-135				1
Fluoranthene	31.1	1.07	ug/L	42.79	ND	73	63-122				1
Fluorene	30.5	0.642	ug/L	42.79	ND	71	46-125				1
Hexachlorobenzene	30.3	1.07	ug/L	42.79	ND	71	51-110				1
Hexachlorobutadiene	23.1	1.07	ug/L	42.79	ND	54	29-94				1

**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 10/07/2020**Project:** Milw Die Cast  
CHW8271N**Matrix:** Water**Work Order:** 2010861**Semivolatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B010881 - SW3510 (Continued)****Matrix Spike (B010881-MS1) (Continued)****Source: 2010861-03**

Prepared: 09/29/2020 11:11 Analyzed: 09/30/2020 07:26

Hexachlorocyclopentadiene	19.5	16.0	ug/L	42.79	ND	46	9-94				1
Hexachloroethane	21.6	1.07	ug/L	42.79	ND	51	25-89				1
Indeno(1,2,3-cd)pyrene	29.3	2.14	ug/L	42.79	ND	68	49-137				1
Isophorone	28.8	0.642	ug/L	42.79	ND	67	43-110				1
Naphthalene	25.3	4.28	ug/L	42.79	ND	59	20-163				1
Nitrobenzene	26.9	0.642	ug/L	42.79	ND	63	39-113				1
N-Nitrosodimethylamine	21.0	1.07	ug/L	42.79	ND	49	18-90				1
N-Nitrosodi-n-propylamine	29.5	2.14	ug/L	42.79	ND	69	37-116				1
N-Nitrosodiphenylamine	32.0	0.642	ug/L	42.79	ND	75	62-114				1
Pentachlorophenol	30.0	32.1	ug/L	42.79	ND	70	12-122			J	1
Phenanthrene	30.7	1.07	ug/L	42.79	ND	72	41-129				1
Phenol	15.2	1.07	ug/L	42.79	ND	35	10-68				1
Pyrene	32.0	1.07	ug/L	42.79	ND	75	59-124				1
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Surrogate: 2-Fluorophenol	30.1		ug/L	71.33		42	10-88				1
Surrogate: Phenol-d5	23.8		ug/L	71.33		33	10-65				1
Surrogate: Nitrobenzene-d5	45.2		ug/L	71.33		63	25-128				1
Surrogate: 2-Fluorobiphenyl	46.6		ug/L	71.33		65	24-114				1
Surrogate: 2,4,6-Tribromophenol	51.0		ug/L	71.33		71	15-119				1
Surrogate: 4-Terphenyl-d14	57.2		ug/L	71.33		80	29-129				1

**Matrix Spike Dup (B010881-MSD1)****Source: 2010861-03**

Prepared: 09/29/2020 11:11 Analyzed: 09/30/2020 07:47

1,2,4-Trichlorobenzene	22.5	2.10	ug/L	41.94	ND	54	34-96	7	27		1
1,2-Dichlorobenzene	18.8	2.10	ug/L	41.94	ND	45	32-91	20	29		1
1,3-Dichlorobenzene	17.7	2.10	ug/L	41.94	ND	42	29-90	21	33		1
1,4-Dichlorobenzene	17.6	2.10	ug/L	41.94	ND	42	31-88	23	32		1
2,4,5-Trichlorophenol	33.1	1.05	ug/L	41.94	ND	79	54-120	10	22		1
2,4,6-Trichlorophenol	30.5	1.05	ug/L	41.94	ND	73	51-117	7	33		1
2,4-Dichlorophenol	28.3	1.05	ug/L	41.94	ND	67	33-134	2	21		1
2,4-Dimethylphenol	28.9	2.10	ug/L	41.94	ND	69	17-132	5	23		1
2,4-Dinitrophenol	36.1	31.5	ug/L	41.94	ND	86	1-123	19	43		1
2,4-Dinitrotoluene	33.9	2.10	ug/L	41.94	ND	81	49-124	9	23		1
2,6-Dinitrotoluene	34.3	1.05	ug/L	41.94	ND	82	57-121	9	21		1
2-Chloronaphthalene	28.9	0.629	ug/L	41.94	ND	69	50-101	6	26		1
2-Chlorophenol	23.1	1.05	ug/L	41.94	ND	55	37-107	12	28		1
2-Methylnaphthalene	27.1	4.19	ug/L	41.94	ND	65	35-121	1	27		1
2-Methylphenol	24.2	1.05	ug/L	41.94	ND	58	32-107	6	32		1
2-Nitroaniline	33.4	31.5	ug/L	41.94	ND	80	45-123	10	19		1
2-Nitrophenol	25.3	1.05	ug/L	41.94	ND	60	38-120	6	30		1
3,3'-Dichlorobenzidine	67.4	21.0	ug/L	83.88	ND	80	33-137	6	29		1
3 & 4-Methylphenol	24.2	1.05	ug/L	41.94	ND	58	20-115	2	32		1
3-Nitroaniline	34.2	2.10	ug/L	41.94	ND	81	39-125	8	19		1
4,6-Dinitro-2-methylphenol	30.2	15.7	ug/L	41.94	ND	72	11-132	6	53		1



**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 10/07/2020**Project:** Milw Die Cast  
CHW8271N**Matrix:** Water**Work Order:** 2010861**Semivolatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B010881 - SW3510** (Continued)**Matrix Spike Dup (B010881-MSD1)** (Continued)**Source: 2010861-03**

Prepared: 09/29/2020 11:11 Analyzed: 09/30/2020 07:47

4-Bromophenyl-phenylether	32.6	1.05	ug/L	41.94	ND	78	56-116	5	18		1
4-Chloro-3-methylphenol	31.3	0.524	ug/L	41.94	ND	75	28-144	5	20		1
4-Chloroaniline	29.9	0.629	ug/L	41.94	ND	71	48-110	0.03	21		1
4-Chlorophenyl-phenylether	33.2	1.05	ug/L	41.94	ND	79	55-106	9	20		1
4-Nitroaniline	33.4	31.5	ug/L	41.94	ND	80	51-123	8	20		1
4-Nitrophenol	16.6	15.7	ug/L	41.94	ND	40	10-81	9	65		1
Acenaphthene	31.5	0.629	ug/L	41.94	ND	75	27-133	8	20		1
Acenaphthylene	30.6	0.629	ug/L	41.94	ND	73	47-113	8	21		1
Anthracene	34.2	0.629	ug/L	41.94	ND	81	61-115	8	20		1
Azobenzene as 1,2-Diphenylhydrazine	33.7	1.05	ug/L	41.94	ND	80	55-119	7	19		1
Benzidine	62.4	83.9	ug/L	83.88	ND	74	10-132	12	30	J	1
Benzo(a)anthracene	33.1	0.629	ug/L	41.94	ND	79	60-125	8	20		1
Benzo(a)pyrene	32.3	2.10	ug/L	41.94	ND	77	66-125	11	20		1
Benzo(b)fluoranthene	33.4	2.10	ug/L	41.94	ND	80	65-128	13	20		1
Benzo(g,h,i)perylene	33.5	2.10	ug/L	41.94	ND	80	62-123	10	20		1
Benzo(k)fluoranthene	33.0	2.10	ug/L	41.94	ND	79	64-122	9	20		1
Benzoic acid	63.5	41.9	ug/L	167.8	ND	38	7-82	76	30	P	1
Benzyl alcohol	26.7	4.19	ug/L	41.94	ND	64	36-110	8	26		1
Bis(2-chloroethoxy)methane	27.4	1.05	ug/L	41.94	ND	65	44-112	0.2	26		1
Bis(2-chloroethyl)ether	23.1	1.05	ug/L	41.94	ND	55	38-104	12	32		1
Bis(2-chloroisopropyl)ether	23.7	1.05	ug/L	41.94	ND	56	35-104	10	32		1
Bis(2-ethylhexyl)phthalate	33.5	21.0	ug/L	41.94	ND	80	52-139	9	19		1
Butyl benzyl phthalate	33.5	1.05	ug/L	41.94	ND	80	55-132	10	20		1
Carbazole	34.3	1.05	ug/L	41.94	ND	82	62-128	8	26		1
Chrysene	33.3	0.629	ug/L	41.94	ND	79	62-116	9	20		1
Dibenzo(a,h)anthracene	33.0	2.10	ug/L	41.94	ND	79	46-143	11	22		1
Dibenzofuran	32.6	0.629	ug/L	41.94	ND	78	53-110	8	20		1
Diethyl phthalate	35.7	6.29	ug/L	41.94	ND	85	58-117	12	20		1
Dimethyl phthalate	33.9	0.629	ug/L	41.94	ND	81	61-106	9	20		1
Di-n-butyl phthalate	34.2	10.5	ug/L	41.94	ND	82	60-132	9	20		1
Di-n-octyl phthalate	32.6	10.5	ug/L	41.94	ND	78	48-135	10	20		1
Fluoranthene	33.7	1.05	ug/L	41.94	ND	80	63-122	8	20		1
Fluorene	33.5	0.629	ug/L	41.94	ND	80	46-125	9	20		1
Hexachlorobenzene	32.5	1.05	ug/L	41.94	ND	77	51-110	7	20		1
Hexachlorobutadiene	20.3	1.05	ug/L	41.94	ND	48	29-94	13	28		1
Hexachlorocyclopentadiene	16.3	15.7	ug/L	41.94	ND	39	9-94	18	42		1
Hexachloroethane	17.5	1.05	ug/L	41.94	ND	42	25-89	21	32		1
Indeno(1,2,3-cd)pyrene	31.9	2.10	ug/L	41.94	ND	76	49-137	9	23		1
Isophorone	29.2	0.629	ug/L	41.94	ND	70	43-110	1	30		1
Naphthalene	23.7	4.19	ug/L	41.94	ND	56	20-163	7	25		1
Nitrobenzene	24.8	0.629	ug/L	41.94	ND	59	39-113	8	30		1
N-Nitrosodimethylamine	16.1	1.05	ug/L	41.94	ND	38	18-90	26	35		1

**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 10/07/2020**Project:** Milw Die Cast  
CHW8271N**Matrix:** Water**Work Order:** 2010861**Semivolatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B010881 - SW3510 (Continued)****Matrix Spike Dup (B010881-MSD1) (Continued)****Source: 2010861-03**

Prepared: 09/29/2020 11:11 Analyzed: 09/30/2020 07:47

N-Nitrosodi-n-propylamine	29.4	2.10	ug/L	41.94	ND	70	37-116	0.2	27		1
N-Nitrosodiphenylamine	34.2	0.629	ug/L	41.94	ND	82	62-114	7	19		1
Pentachlorophenol	33.6	31.5	ug/L	41.94	ND	80	12-122	11	46		1
Phenanthrene	33.3	1.05	ug/L	41.94	ND	79	41-129	8	19		1
Phenol	14.6	1.05	ug/L	41.94	ND	35	10-68	4	37		1
Pyrene	35.0	1.05	ug/L	41.94	ND	84	59-124	9	20		1
<hr/>											
Surrogate: 2-Fluorophenol	25.2		ug/L	69.90		36	10-88				1
Surrogate: Phenol-d5	22.3		ug/L	69.90		32	10-65				1
Surrogate: Nitrobenzene-d5	42.0		ug/L	69.90		60	25-128				1
Surrogate: 2-Fluorobiphenyl	48.2		ug/L	69.90		69	24-114				1
Surrogate: 2,4,6-Tribromophenol	56.1		ug/L	69.90		80	15-119				1
Surrogate: 4-Terphenyl-d14	63.1		ug/L	69.90		90	29-129				1

**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 10/07/2020**Project:** Milw Die Cast  
CHW8271N**Matrix:** Water**Work Order:** 2010861**Subcontracted Analyses**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B0J0077 - SW5030****Blank (B0J0077-BLK1)**

Prepared: 10/02/2020 07:00 Analyzed: 10/02/2020 11:40

1,4-Dioxane	< 0.500	0.500	ug/L								1
Surrogate: Toluene-d8	3.75		ug/L	4.000		94	80-120				1

**LCS (B0J0077-BS1)**

Prepared: 10/02/2020 07:00 Analyzed: 10/02/2020 09:39

1,4-Dioxane	4.19		ug/L	4.000		105	59-139				1
Surrogate: Toluene-d8	3.71		ug/L	4.000		93	80-120				1

**LCS Dup (B0J0077-BSD1)**

Prepared: 10/02/2020 07:00 Analyzed: 10/02/2020 10:03

1,4-Dioxane	4.43		ug/L	4.000		111	59-139	6	20		1
Surrogate: Toluene-d8	3.94		ug/L	4.000		98	80-120				1

**Matrix Spike (B0J0077-MS1)****Source: 2010861-03**

Prepared: 10/02/2020 07:00 Analyzed: 10/02/2020 10:27

Surrogate: Toluene-d8	4.22		ug/L	4.000		106	80-120				1
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**Matrix Spike Dup (B0J0077-MSD1)****Source: 2010861-03**

Prepared: 10/02/2020 07:00 Analyzed: 10/02/2020 10:52

Surrogate: Toluene-d8	4.21		ug/L	4.000		105	80-120				1
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## Certified Analyses included in this Report

Analyte	CAS #	Certifications
<b>SW8082A in Water</b>		
Aroclor 1016	12674-11-2	AKDEC,WDNR,DoD,ILEPA
Aroclor 1016	12674-11-2	AKDEC,WDNR,DoD,ILEPA
Aroclor 1221	11104-28-2	AKDEC,WDNR,DoD,ILEPA
Aroclor 1221	11104-28-2	AKDEC,WDNR,DoD,ILEPA
Aroclor 1232	11141-16-5	AKDEC,WDNR,DoD,ILEPA
Aroclor 1232	11141-16-5	AKDEC,WDNR,DoD,ILEPA
Aroclor 1242	53469-21-9	AKDEC,WDNR,DoD,ILEPA
Aroclor 1242	53469-21-9	AKDEC,WDNR,DoD,ILEPA
Aroclor 1248	12672-29-6	AKDEC,WDNR,DoD,ILEPA
Aroclor 1248	12672-29-6	AKDEC,WDNR,DoD,ILEPA
Aroclor 1254	11097-69-1	AKDEC,WDNR,DoD,ILEPA
Aroclor 1254	11097-69-1	AKDEC,WDNR,DoD,ILEPA
Aroclor 1260	11096-82-5	AKDEC,WDNR,DoD,ILEPA
Aroclor 1260	11096-82-5	AKDEC,WDNR,DoD,ILEPA
Total PCB	1336-36-3	AKDEC,WDNR,DoD,ILEPA
Total PCB	1336-36-3	AKDEC,WDNR,DoD,ILEPA
<b>SW8260B in Water</b>		
1,1,1,2-Tetrachloroethane	630-20-6	WDNR,DoD,ILEPA
1,1,1-Trichloroethane	71-55-6	AKDEC,WDNR,DoD,ILEPA
1,1,2,2-Tetrachloroethane	79-34-5	AKDEC,WDNR,DoD,ILEPA
1,1,2-Trichloroethane	79-00-5	AKDEC,WDNR,DoD,ILEPA
1,1-Dichloroethane	75-34-3	AKDEC,WDNR,DoD,ILEPA
1,1-Dichloroethene	75-35-4	AKDEC,WDNR,DoD,ILEPA
1,1-Dichloropropene	563-58-6	WDNR,DoD,ILEPA
1,2,3-Trichlorobenzene	87-61-6	WDNR,DoD,ILEPA
1,2,3-Trichloropropane	96-18-4	AKDEC,WDNR,DoD,ILEPA
1,2,4-Trimethylbenzene	95-63-6	WDNR,DoD,ILEPA
1,2-Dibromo-3-chloropropane	96-12-8	AKDEC,WDNR,DoD,ILEPA
1,2-Dibromoethane	106-93-4	AKDEC,WDNR,DoD,ILEPA
1,2-Dichloroethane	107-06-2	AKDEC,WDNR,DoD,ILEPA
1,2-Dichloropropane	78-87-5	AKDEC,WDNR,DoD,ILEPA
1,3,5-Trimethylbenzene	108-67-8	WDNR,DoD,ILEPA
1,3-Dichloropropane	142-28-9	WDNR,DoD,ILEPA
2,2-Dichloropropane	594-20-7	WDNR,DoD,ILEPA
2-Butanone	78-93-3	WDNR,DoD,ILEPA
2-Chlorotoluene	95-49-8	WDNR,DoD,ILEPA
2-Hexanone	591-78-6	WDNR,DoD,ILEPA
4-Isopropyltoluene	99-87-6	WDNR,DoD,ILEPA
4-Methyl-2-pentanone	108-10-1	WDNR,DoD,ILEPA
Acetone	67-64-1	WDNR,DoD,ILEPA

**Certified Analyses included in this Report (Continued)**

Analyte	CAS #	Certifications
<b>SW8260B in Water (Continued)</b>		
Benzene	71-43-2	AKDEC,WDNR,DoD,ILEPA
Bromobenzene	108-86-1	WDNR,DoD,ILEPA
Bromochloromethane	74-97-5	WDNR,DoD,ILEPA
Bromodichloromethane	75-27-4	AKDEC,WDNR,DoD,ILEPA
Bromoform	75-25-2	AKDEC,WDNR,DoD,ILEPA
Bromomethane	74-83-9	AKDEC,WDNR,DoD,ILEPA
Carbon disulfide	75-15-0	WDNR,DoD,ILEPA
Carbon tetrachloride	56-23-5	AKDEC,WDNR,DoD,ILEPA
Chlorobenzene	108-90-7	AKDEC,WDNR,DoD,ILEPA
Chloroethane	75-00-3	WDNR,DoD,ILEPA
Chloroform	67-66-3	AKDEC,WDNR,DoD,ILEPA
Chloromethane	74-87-3	AKDEC,WDNR,DoD,ILEPA
cis-1,2-Dichloroethene	156-59-2	WDNR,DoD,ILEPA
cis-1,3-Dichloropropene	10061-01-5	AKDEC,WDNR,DoD,ILEPA
Cyclohexane	110-82-7	DoD
Dibromochloromethane	124-48-1	AKDEC,WDNR,DoD,ILEPA
Dibromomethane	74-95-3	WDNR,DoD,ILEPA
Dichlorodifluoromethane	75-71-8	WDNR,DoD,ILEPA
Ethylbenzene	100-41-4	AKDEC,WDNR,DoD,ILEPA
Isopropylbenzene	98-82-8	WDNR,DoD,ILEPA
m,p-Xylene	179601-23-1	AKDEC,WDNR,DoD,ILEPA
Methyl tert-butyl ether	1634-04-4	WDNR,DoD,ILEPA
Methylene chloride	75-09-2	AKDEC,WDNR,DoD,ILEPA
n-Butylbenzene	104-51-8	WDNR,DoD,ILEPA
n-Propylbenzene	103-65-1	WDNR,DoD,ILEPA
o-Xylene	95-47-6	AKDEC,WDNR,DoD,ILEPA
sec-Butylbenzene	135-98-8	WDNR,DoD,ILEPA
Styrene	100-42-5	WDNR,DoD
tert-Butylbenzene	98-06-6	WDNR,DoD,ILEPA
Tetrachloroethene	127-18-4	AKDEC,WDNR,DoD,ILEPA
Toluene	108-88-3	AKDEC,WDNR,DoD,ILEPA
trans-1,2-Dichloroethene	156-60-5	AKDEC,WDNR,DoD,ILEPA
trans-1,3-Dichloropropene	10061-02-6	AKDEC,WDNR,DoD,ILEPA
Trichloroethene	79-01-6	AKDEC,WDNR,DoD,ILEPA
Trichlorofluoromethane	75-69-4	AKDEC,WDNR,DoD,ILEPA
Vinyl chloride	75-01-4	AKDEC,WDNR,DoD,ILEPA
Xylenes, Total	1330-20-7	AKDEC,WDNR,DoD,ILEPA
<b>SW8260-SIM Modified in Water</b>		
1,4-Dioxane	123-91-1	WDNR

**SW8270D in Water**



**Certified Analyses included in this Report (Continued)**

Analyte	CAS #	Certifications
<b>SW8270D in Water (Continued)</b>		
1,2,4-Trichlorobenzene	120-82-1	WDNR,DoD,ILEPA
1,2-Dichlorobenzene	95-50-1	WDNR,DoD,ILEPA
1,3-Dichlorobenzene	541-73-1	WDNR,DoD,ILEPA
1,4-Dichlorobenzene	106-46-7	WDNR,DoD,ILEPA
2,4,5-Trichlorophenol	95-95-4	WDNR,DoD,ILEPA
2,4,6-Trichlorophenol	88-06-2	WDNR,DoD,ILEPA
2,4-Dichlorophenol	120-83-2	WDNR,DoD,ILEPA
2,4-Dimethylphenol	105-67-9	WDNR,DoD,ILEPA
2,4-Dinitrophenol	51-28-5	WDNR,DoD,ILEPA
2,4-Dinitrotoluene	121-14-2	WDNR,DoD,ILEPA
2,6-Dinitrotoluene	606-20-2	WDNR,DoD,ILEPA
2-Chloronaphthalene	91-58-7	WDNR,DoD,ILEPA
2-Chlorophenol	95-57-8	WDNR,DoD,ILEPA
2-Methylnaphthalene	91-57-6	AKDEC,WDNR,DoD,ILEPA
2-Methylphenol	95-48-7	WDNR,DoD,ILEPA
2-Nitroaniline	88-74-4	WDNR,DoD,ILEPA
2-Nitrophenol	88-75-5	WDNR,DoD,ILEPA
3,3'-Dichlorobenzidine	91-94-1	WDNR,DoD,ILEPA
3 & 4-Methylphenol	84989-04-8	WDNR,DoD,ILEPA
3-Nitroaniline	99-09-2	WDNR,DoD,ILEPA
4,6-Dinitro-2-methylphenol	534-52-1	WDNR,DoD,ILEPA
4-Bromophenyl-phenylether	101-55-3	WDNR,DoD,ILEPA
4-Chloro-3-methylphenol	59-50-7	WDNR,DoD,ILEPA
4-Chloroaniline	106-47-8	WDNR,DoD,ILEPA
4-Chlorophenyl-phenylether	7005-72-3	WDNR,DoD,ILEPA
4-Nitroaniline	100-01-6	WDNR,DoD,ILEPA
4-Nitrophenol	100-02-7	WDNR,DoD,ILEPA
Acenaphthene	83-32-9	AKDEC,WDNR,DoD,ILEPA
Acenaphthylene	208-96-8	AKDEC,WDNR,DoD,ILEPA
Anthracene	120-12-7	AKDEC,WDNR,DoD,ILEPA
Azobenzene as 1,2-Diphenylhydrazine	103-33-3	WDNR,DoD,ILEPA
Benzidine	92-87-5	WDNR,DoD,ILEPA
Benzo(a)anthracene	56-55-3	AKDEC,WDNR,DoD,ILEPA
Benzo(a)pyrene	50-32-8	AKDEC,WDNR,DoD,ILEPA
Benzo(b)fluoranthene	205-99-2	AKDEC,WDNR,DoD,ILEPA
Benzo(g,h,i)perylene	191-24-2	AKDEC,WDNR,DoD,ILEPA
Benzo(k)fluoranthene	207-08-9	AKDEC,WDNR,DoD,ILEPA
Benzoic acid	65-85-0	WDNR,DoD,ILEPA
Benzyl alcohol	100-51-6	WDNR,DoD,ILEPA
Bis(2-chloroethoxy)methane	111-91-1	WDNR,DoD,ILEPA
Bis(2-chloroethyl)ether	111-44-4	WDNR,DoD,ILEPA

**Certified Analyses included in this Report (Continued)**

Analyte	CAS #	Certifications
<b>SW8270D in Water (Continued)</b>		
Bis(2-chloroisopropyl)ether	108-60-1	WDNR,DoD,ILEPA
Bis(2-ethylhexyl)phthalate	117-81-7	WDNR,DoD,ILEPA,ISO
Butyl benzyl phthalate	85-68-7	WDNR,DoD,ILEPA,ISO
Carbazole	86-74-8	WDNR,DoD,ILEPA
Chrysene	218-01-9	AKDEC,WDNR,DoD,ILEPA
Dibenzo(a,h)anthracene	53-70-3	AKDEC,WDNR,DoD,ILEPA
Dibenzofuran	132-64-9	WDNR,DoD,ILEPA
Diethyl phthalate	84-66-2	WDNR,DoD,ILEPA
Dimethyl phthalate	131-11-3	WDNR,DoD,ILEPA
Di-n-butyl phthalate	84-74-2	WDNR,DoD,ILEPA
Di-n-octyl phthalate	117-84-0	WDNR,DoD,ILEPA,ISO
Fluoranthene	206-44-0	AKDEC,WDNR,DoD,ILEPA
Fluorene	86-73-7	AKDEC,WDNR,DoD,ILEPA
Hexachlorobenzene	118-74-1	WDNR,DoD,ILEPA
Hexachlorobutadiene	87-68-3	WDNR,DoD,ILEPA
Hexachlorocyclopentadiene	77-47-4	WDNR,DoD,ILEPA
Hexachloroethane	67-72-1	WDNR,DoD,ILEPA
Indeno(1,2,3-cd)pyrene	193-39-5	AKDEC,WDNR,DoD,ILEPA
Isophorone	78-59-1	WDNR,DoD,ILEPA
Naphthalene	91-20-3	AKDEC,WDNR,DoD,ILEPA
Nitrobenzene	98-95-3	WDNR,DoD,ILEPA
N-Nitrosodimethylamine	62-75-9	WDNR,DoD,ILEPA
N-Nitrosodi-n-propylamine	621-64-7	DoD,ILEPA
N-Nitrosodiphenylamine	86-30-6	WDNR,DoD,ILEPA
Pentachlorophenol	87-86-5	WDNR,DoD,ILEPA
Phenanthrene	85-01-8	AKDEC,WDNR,DoD,ILEPA
Phenol	108-95-2	WDNR,DoD,ILEPA
Pyrene	129-00-0	AKDEC,WDNR,DoD,ILEPA
<b>SW9060 in Water</b>		
Organic Carbon, Total	7440-44-0	DoD,ILEPA,WDNR

## List of Certifications

Code	Description	Number	Expires
AKDEC	State of Alaska, Dept. Environmental Conservation	17-011	05/31/2022
CPSC	US Consumer Product Safety Commission, Accredited by PJLA Lab No. 1050	L18-184-R1	03/31/2021
DoD	Department of Defense, Accredited by PJLA	L18-183-R3	03/31/2021
ILEPA	State of Illinois, NELAP Accredited Lab No. 100256	1002562020-3	07/27/2021
ISO	ISO/IEC 17025, Accredited by PJLA	L18-184-R1	03/31/2021
TX	Texas Commission of Environmental Quality	T104704554-19-4	10/31/2020
WA	Washington State Department of Ecology	C1057	01/05/2021
WDNR	State of Wisconsin Dept of Natural Resources	999888890	08/31/2021

### Qualifiers and Definitions

Item	Description
E1	Reported concentrations are estimated values, exceeded calibration.
J	The reported result is an estimated value.
J1	The reported result is an estimated value based on discrepancies in the MS/MSD sample (e.g. matrix interference was observed).
J2	The MS/MSD or duplicate recoveries are outside the quality control criteria due to difficult sample matrix.
P	The quality control sample %RPD is above the laboratory control limit.
Q	One or more quality control results were outside of the acceptance limits (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).
S	The quality control sample recovery is outside of the laboratory control limits.
S1	The percent recovery is above the limits (e.g. LCS recovery, surrogate spike recovery, or CCV recovery), but the analyte was not detected in the sample. Data is acceptable.
%Rec	Percent Recovery
MDL	In the state of Wisconsin MDL is equivalent to LOD; in all other applications MDL is equivalent to MDL. In the state of Wisconsin the Reporting Limit is equivalent to LOQ.





# ENVIRONMENTAL MONITORING TECHNOLOGII

509 N. 3rd Avenue  
Des Plaines, IL 60016



2010861  
PM: Nicole Ryan  
Geosyntec DoD  
Milw Die Cast

## Chain of Custody Record

67-6666  
847-967-6735  
r.emt.com

TURNAROUND TIME:  
 RUSH  
 ROUTINE  
\_\_\_\_\_ day turnaround

COC #: **237569**

Due Date:

Company: Geosyntec Consultants

Address: 10600 Northport Washington Rd  
Suite 100  
Mequon, WI 53092

Phone #: (262) 834-0226 Fax #: ( )

P.O. #: \_\_\_\_\_ Proj. #: CHW8271N

Client Contact: Jeremiah Johnson

Project ID / Location: CHW8271N (MDOCC)

Sample Type: 1. Waste Water 4. Sludge 7. Groundwater (filtered)  
2. Drinking Water 5. Oil 8. Other  
3. Soil 6. Groundwater

Container Type: P - Plastic V - VOC Vial O - Other  
G - Glass B - Tedlar Bag

Preservative: 1. None 4. NaOH 7. Zn Ace  
2. H2SO4 5. HCl 8. Other  
3. HNO3 6. MeOH

Preservation: Field Lab

Sample I.D.	Sample Type	Container		Sampling			Preservation		VOC	1,4-dioxane	Total organic carbon	Methoxyethane	PCB (Filtered)	PCB (unfiltered)	SVOC	EMT USE ONLY
		Size	Type	No.	By	Date	Time	pH								
MW-1	6	40mL	V	11	MKD	9/25/20	1230	/	/	5	X	X	X	X	X	01A-K
MW-1	6/7	1L	G	6	MKD	9/25/20	1230	/	/	1	X	X	X	X	X	01L-O 02
PZ-1	6	40mL	V	27	CK	9/25/20	1155	/	/	5	X	X	X	X	X	03A-AA
PZ-1	6/7	1L	G	9	CK	9/25/20	1155	/	/	1	X	X	X	X	X	03AB-AG-04A-C
MW-2	6	40mL	V	11	MKD	9/24/20	1340	/	/	5	X	X	X	X	X	05A-K
MW-2	6/7	1L	G	6	MKD	9/24/20	1340	/	/	1	X	X	X	X	X	06L-O 06RB
PZ-2	6	40mL	V	11	CK	9/25/20	0825	/	/	5	X	X	X	X	X	07A-K
PZ-2	6/7	1L	G	6	CK	9/25/20	0825	/	/	1	X	X	X	X	X	07L-O 08AB
MW-3	6	40mL	V	11	CK	9/23/20	1100	/	/	5	X	X	X	X	X	09A-K
MW-3	6/7	1L	G	3	CK	9/23/20	1100	/	/	1	X	X	X	X	X	09LM 10A

Relinquished By: <u>ludyan hly</u>	Date: 9-25-20	Received By: <u>[Signature]</u>	Date: 9-25-20	EMT USE ONLY	<input checked="" type="checkbox"/> SAMPLE RECEIVED ON ICE
Relinquished By: <u>[Signature]</u>	Time: 10:51L	Received By: <u>[Signature]</u>	Time: 16:52	Client Code:	<input type="checkbox"/> TEMPERATURE
Relinquished By: <u>[Signature]</u>	Date: 9-26-20	Received By: <u>[Signature]</u>	Date: -	EMT Project I.D.	3.5, 1.9, 4.3, 4.8
Relinquished By: <u>[Signature]</u>	Time: 18:15	Received For Lab By: <u>Agnescha Zabawa</u>	Time: -	Jar Lot No.	4.9, 3.7, 4.7
Relinquished By: <u>[Signature]</u>	Date: -	Received For Lab By: <u>[Signature]</u>	Date: 09-26-2020		EMT SAMPLE RETURN POLICY ON BACK
Relinquished By: <u>[Signature]</u>	Time: -	Received For Lab By: <u>[Signature]</u>	Time: 18:15		

SPECIAL INSTRUCTIONS: PZ-1 has extra volume for MS/MSD





# ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.

509 N. 3rd Avenue  
Des Plaines, IL 60016

847-967-6666  
FAX: 847-967-6735  
www.emt.com

## Chain of Custody Record

TURNAROUND TIME:  
 RUSH  
 ROUTINE  
\_\_\_\_\_ day turnaround

COC #: **237566**

Due Date: \_\_\_\_\_

Company: Greosyntec Consultants  
Address: 10600 N. Port Washington Road  
Ste 100  
Megun, WI 53092  
Phone #: (262) 834-0226 Fax #: ( )  
P.O. #: \_\_\_\_\_ Proj. #: CHW827IN  
Client Contact: Jeremiah Johnson  
Project ID / Location: MDCC

Sample Type:  
1. Waste Water 4. Sludge 7. Groundwater (filtered)  
2. Drinking Water 5. Oil 8. Other  
3. Soil 6. Groundwater

Container Type:  
P - Plastic V - VOC Vial O - Other  
G - Glass B - Tedlar Bag

Preservative:  
1. None 4. NaOH 7. Zn Ace  
2. H2SO4 5. HCl 8. Other  
3. HNO3 6. MeOH

Analyses	
<input checked="" type="checkbox"/>	VOC
<input checked="" type="checkbox"/>	1,4-dioxane
<input checked="" type="checkbox"/>	Metformin, Ethane, Ethene
<input checked="" type="checkbox"/>	PCB (Filtered)
<input checked="" type="checkbox"/>	PCB (unfiltered)
<input checked="" type="checkbox"/>	SVOC

Sample I.D.	Sample Type	Size	Container		Sampling			Preservation			EMT USE ONLY		
			Type	No.	Date	Time	pH	Temp.	Field	Lab			
MW-3 DUP	6	40mL	V	11	9/23/00	1100	/	/	5	X	X	X	11A-K
MW-3 DUP	6/7	1L	G	3	9/23/00	1100	/	/	1	X	X	X	11LM 12A
MW-4	6	40mL	V	11	9/24/00	0955	/	/	5	X	X	X	13A-K
MW-4	6/7	1L	G	3	9/24/00	0955	/	/	1	X	X	X	13LM 14A
MW-6	6	40mL	V	11	9/25/00	1105	/	/	5	X	X	X	15A-K
MW-6	6/7	1L	G	6	9/25/00	1105	/	/	1	X	X	X	15LM 16A
MW-7	6	40mL	V	11	9/24/00	1605	/	/	5	X	X	X	17A-K
MW-7	6/7	1L	G	4	9/24/00	1605	/	/	1	X	X	X	17LM 18A
MW-8	6	40mL	V	11	9/24/00	0955	/	/	5	X	X	X	19A-K
MW-8	6/7	1L	G	3	9/24/00	0955	/	/	1	X	X	X	19LM 20A

Relinquished By: Cody Miller Date: 9-28-00 Time: 10:52

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received For Lab By: Ayrescha Zabawa Date: 09-28-2000 Time: 18:15

EMT USE ONLY

Client Code: \_\_\_\_\_

EMT Project I.D.: \_\_\_\_\_

TEMPERATURE

3.3, 1.9, 4.3, 4.8

4.9, 3.7, 4.7

EMT SAMPLE RETURN POLICY ON BACK

SPECIAL INSTRUCTIONS:





# ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.

509 N. 3rd Avenue  
Des Plaines, IL 60016

847-967-6666  
FAX: 847-967-6735  
www.emt.com

## Chain of Custody Record

TURNAROUND TIME:  
 RUSH  
 ROUTINE  
\_\_\_\_\_ day turnaround

COC #: **237567**

Due Date: \_\_\_\_\_

Company: Geosyntec Consultants  
Address: 10600 N. Port Washington Road  
Ste 100  
Meyron, WI 53092  
Phone #: (262) 834 0226 Fax #: ( )  
P.O. #: \_\_\_\_\_ Proj. #: CH08271N  
Client Contact: Jeremian Johnson  
Project ID / Location: MDCC

Sample Type:  
1. Waste Water 4. Sludge 7. Groundwater (filtered)  
2. Drinking Water 5. Oil 8. Other  
3. Soil 6. Groundwater

Container Type:  
P - Plastic V - VOC Vial O - Other  
G - Glass B - Fedlar Bag

Preservative:  
1. None 4. NaOH 7. Zn Ace  
2. H2SO4 5. HCl 8. Other  
3. HNO3 6. MeOH

**Analyses**

VOC 1,4-Dioxane  
Methan, Ethane, Ethene  
PCB (Filtered)  
PCB (Unfiltered)  
SVOC

EMT USE ONLY  
WORKORDER # 2010861

Sample I.D.	Container			Sampling			Preservation			EMT USE ONLY				
	Sample Type	Size	Type	No.	By	Date	Time	pH	Temp.		Field	Lab		
Mw-9	6	40mL	V	11	CK	9/24/20	1155	/	/	5	X	X	X	21A-K
Mw-9	6/7	1L	G	3	CK	9/24/20	1155	/	/	1	X	X	X	21LM 22A
PZ-10	6	40mL	V	11	MKD	9/25/20	0825	/	/	5	X	X	X	23A-K
PZ-10	6/7	1L	G	6	MKD	9/25/20	0825	/	/	1	X	X	X	23L-O 24AB
Mw-12	6	40mL	V	11	MKD	9/23/20	1130	/	/	5	X	X	X	25A-K
Mw-12	6/7	1L	G	3	MKD	9/23/20	1130	/	/	1	X	X	X	25LM 26A
Mw-12 DUP	6	40mL	V	11	MKD	9/23/20	1130	/	/	5	X	X	X	27A-K
Mw-12 DUP	6/7	1L	G	3	MKD	9/23/20	1130	/	/	1	X	X	X	27LM 28A
Mw-13	6	40mL	V	11	CK	9/23/20	1405	/	/	5	X	X	X	29A-K
Mw-13	6/7	1L	G	3	CK	9/23/20	1405	/	/	1	X	X	X	29LM 30A

Relinquished By: bodyen hof  
Date: 9-29-20  
Time: 10:52

Relinquished By: [Signature]  
Date: 9-29-20  
Time: 18:18

Relinquished By: \_\_\_\_\_  
Date: \_\_\_\_\_  
Time: \_\_\_\_\_

Received By: \_\_\_\_\_  
Date: 7-23-20  
Time: 10:52

Received By: \_\_\_\_\_  
Date: -  
Time: -

Received For Lab By: Aqmescha Labawo  
Date: 09-28-2020  
Time: 18:15

EMT USE ONLY  
Client Code: \_\_\_\_\_  
EMT Project I.D. \_\_\_\_\_

Jar Lot No. \_\_\_\_\_

SAMPLE RECEIVED ON ICE  
 TEMPERATURE  
3.3, 1.9, 14.3, 4.8  
4.9, 3.7, 4.7  
EMT SAMPLE RETURN POLICY ON BACK

**SPECIAL INSTRUCTIONS:**





# ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.

509 N. 3rd Avenue  
Des Plaines, IL 60016

847-967-6666  
FAX: 847-967-6735  
www.emt.com

## Chain of Custody Record

TURNAROUND TIME:  
 RUSH  
 ROUTINE  
\_\_\_\_\_ day turnaround

COC #: **237568**

Due Date: \_\_\_\_\_

Company: Geosyntec Consultants  
 Address: 10600 N. Port Washington Rd  
Ste 100  
Mequon, WI 53092  
 Phone #: 262 834-6226 Fax #: \_\_\_\_\_  
 P.O. #: \_\_\_\_\_ Proj. #: CHW827IN  
 Client Contact: Jeremian Johnson  
 Project ID / Location: MDCC

**Sample Type:**  
 1. Waste Water 4. Sludge 7. Groundwater (filtered)  
 2. Drinking Water 5. Oil 8. Other  
 3. Soil 6. Groundwater

**Container Type:**  
 P - Plastic V - VOC Vial O - Other  
 G - Glass B - Tedlar Bag

**Preservative:**  
 1. None 4. NaOH 7. Zn Ace  
 2. H<sub>2</sub>SO<sub>4</sub> 5. HCl 8. Other  
 3. HNO<sub>3</sub> 6. MeOH

Sample I.D.	Sample Type	Size	Container			Sampling			Preservation			EMT USE ONLY		
			Type	No.	By	Date	Time	pH	Temp.	Field	Lab			
MW-14*	6	40ML	V	11	MKD	9/23/20	1435	/	/	5	X	X	X	31A-K
MW-14	6/7	40ML	G	3	MKD	9/23/20	1435	/	/	1	X	X	X	31LM 32A
TRIP BLANK	8	40ML	V	4	EXX			/	/	5	X	X	X	33A-D
EQUIPMENT BLANK	8	40ML	V	2	CK	9/23/20		/	/	5	X	X	X	34 AB
<b>CND</b> <i>Godwin Hoop 09-25-20</i>														
Relinquished By: <i>Godwin Hoop</i>	Date: 9-23-20	Time: 10:52	Received By: <i>[Signature]</i>	Date: 9-24-20	Time: 10:52	EMT USE ONLY	Client Code:	EMT Project I.D.	EMT Sample Received On Ice	EMT Sample Temperature	EMT Sample Return Policy	WORKORDER #	2010861	
Relinquished By: <i>[Signature]</i>	Date: 9-23-20	Time: 12:15	Received By:	Date: -	Time: -				<input checked="" type="checkbox"/>	3.3, 1.9, 4.3, 4.8	EMT SAMPLE RETURN POLICY ON BACK			
Relinquished By: <i>[Signature]</i>	Date: -	Time: -	Received For Lab By: <i>Aquiesha Zabawa</i>	Date: 09-28-2020	Time: 18:15					4.9, 3.7, 4.7				

**SPECIAL INSTRUCTIONS:**

# Sample Receipt Checklist

**Work Order: 2010861**

Printed: 9/28/2020 8:36:37PM

<p><b>Client: Geosyntec DoD</b>  <b>Project: Milw Die Cast</b></p>	<p><b>Date Due: Monday, October 5, 2020</b></p>
------------------------------------------------------------------------	-------------------------------------------------

**1**

Samples Received at: **3.3 °C**

**Received By: Agnieszka B. Zabawa**  
**Logged In By: Agnieszka B. Zabawa**

**Date Received: 09/28/20 18:15**  
**Date Logged In: 09/28/20 20:19**

- |                                      |     |
|--------------------------------------|-----|
| How were samples received?           | EMT |
| Custody Seals Present                | Yes |
| Custody Seals Intact                 | Yes |
| Sample Containers Intact             | Yes |
| COC Present and Complete             | Yes |
| COC agrees with Sample Labels        | Yes |
| Containers Properly Preserved        | Yes |
| Samples Received Within Holdtime     | Yes |
| Cooler Temp Within Limits            | Yes |
| VOA Water Vials Received             | Yes |
| Vials Contain > Pea Sized Air Bubble | Yes |

<u>Client Sample Name</u>	<u># Vials &gt; Pea Size Bubble</u>
MW-1	8
MW-2	6
PZ-2	3
MW-4	7
MW-8	2
PZ-10	2
MW-12	4
MW-12 DVP	6
MW-14	6

ABZ

09/28/2020

# Sample Receipt Checklist

**Work Order: 20I0861**

Printed: 9/28/2020 8:36:37PM

Client: Geosyntec DoD Project: Milw Die Cast	Date Due: Monday, October 5, 2020
-------------------------------------------------	-----------------------------------

2

Samples Received at: 1.9 °C

Received By: Agnieszka B. Zabawa  
Logged In By: Agnieszka B. Zabawa

Date Received: 09/28/20 18:15  
Date Logged In: 09/28/20 20:19

How were samples received?	EMT
Custody Seals Present	Yes
Custody Seals Intact	Yes
Sample Containers Intact	Yes
COC Present and Complete	Yes
COC agrees with Sample Labels	Yes
Containers Properly Preserved	Yes
Samples Received Within Holdtime	Yes
Cooler Temp Within Limits	Yes
VOA Water Vials Received	Yes
Vials Contain > Pea Sized Air Bubble	Yes

Client Sample Name

# Vials > Pea Size Bubble

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ABZ

09/28/2020



# Sample Receipt Checklist

**Work Order: 2010861**

Printed: 9/28/2020 8:36:37PM

Client: Geosyntec DoD Project: Milw Die Cast	Date Due: Monday, October 5, 2020
-------------------------------------------------	-----------------------------------

3

Samples Received at: 4.3 °C

Received By: Agnieszka B. Zabawa  
Logged In By: Agnieszka B. Zabawa

Date Received: 09/28/20 18:15  
Date Logged In: 09/28/20 20:19

- |                                      |     |
|--------------------------------------|-----|
| How were samples received?           | EMT |
| Custody Seals Present                | Yes |
| Custody Seals Intact                 | Yes |
| Sample Containers Intact             | Yes |
| COC Present and Complete             | Yes |
| COC agrees with Sample Labels        | Yes |
| Containers Properly Preserved        | Yes |
| Samples Received Within Holdtime     | Yes |
| Cooler Temp Within Limits            | Yes |
| VOA Water Vials Received             | Yes |
| Vials Contain > Pea Sized Air Bubble | Yes |

Client Sample Name

# Vials > Pea Size Bubble


MBZ

09/28/2020

# Sample Receipt Checklist

**Work Order: 2010861**

Printed: 9/28/2020 8:36:37PM

Client: Geosyntec DoD Project: Milw Die Cast	Date Due: Monday, October 5, 2020
-------------------------------------------------	-----------------------------------

**4**

Samples Received at: 4.8 °C

Received By: Agnieszka B. Zabawa  
Logged In By: Agnieszka B. Zabawa

Date Received: 09/28/20 18:15  
Date Logged In: 09/28/20 20:19

- |                                      |     |
|--------------------------------------|-----|
| How were samples received?           | EMT |
| Custody Seals Present                | Yes |
| Custody Seals Intact                 | Yes |
| Sample Containers Intact             | Yes |
| COC Present and Complete             | Yes |
| COC agrees with Sample Labels        | Yes |
| Containers Properly Preserved        | Yes |
| Samples Received Within Holdtime     | Yes |
| Cooler Temp Within Limits            | Yes |
| VOA Water Vials Received             | Yes |
| Vials Contain > Pea Sized Air Bubble | Yes |

Client Sample Name

# Vials > Pea Size Bubble

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ABZ

09/28/2020

# Sample Receipt Checklist

**Work Order: 2010861**

Printed: 9/28/2020 8:36:37PM

<p><b>Client: Geosyntec DoD</b> <b>Project: Milw Die Cast</b></p>	<p><b>Date Due: Monday, October 5, 2020</b></p>
-----------------------------------------------------------------------	-------------------------------------------------

**5**

Samples Received at: **4.9 °C**

**Received By: Agnieszka B. Zabawa**  
**Logged In By: Agnieszka B. Zabawa**

**Date Received: 09/28/20 18:15**  
**Date Logged In: 09/28/20 20:19**

- |                                      |     |
|--------------------------------------|-----|
| How were samples received?           | EMT |
| Custody Seals Present                | Yes |
| Custody Seals Intact                 | Yes |
| Sample Containers Intact             | Yes |
| COC Present and Complete             | Yes |
| COC agrees with Sample Labels        | Yes |
| Containers Properly Preserved        | Yes |
| Samples Received Within Holdtime     | Yes |
| Cooler Temp Within Limits            | Yes |
| VOA Water Vials Received             | Yes |
| Vials Contain > Pea Sized Air Bubble | Yes |

Client Sample Name

# Vials > Pea Size Bubble


ABZ

09/28/2020

# Sample Receipt Checklist

Work Order: 2010861

Printed: 9/28/2020 8:36:37PM

Client: Geosyntec DoD Project: Milw Die Cast	Date Due: Monday, October 5, 2020
-------------------------------------------------	-----------------------------------

6

Samples Received at: 3.7 °C

Received By: Agnieszka B. Zabawa  
 Logged In By: Agnieszka B. Zabawa

Date Received: 09/28/20 18:15  
 Date Logged In: 09/28/20 20:19

- |                                      |     |
|--------------------------------------|-----|
| How were samples received?           | EMT |
| Custody Seals Present                | Yes |
| Custody Seals Intact                 | Yes |
| Sample Containers Intact             | Yes |
| COC Present and Complete             | Yes |
| COC agrees with Sample Labels        | Yes |
| Containers Properly Preserved        | Yes |
| Samples Received Within Holdtime     | Yes |
| Cooler Temp Within Limits            | Yes |
| VOA Water Vials Received             | Yes |
| Vials Contain > Pea Sized Air Bubble | Yes |

Client Sample Name

# Vials > Pea Size Bubble


ABZ

09/28/2020

# Sample Receipt Checklist

**Work Order: 2010861**

Printed: 9/28/2020 8:36:37PM

<b>Client: Geosyntec DoD</b> <b>Project: Milw Die Cast</b>	<b>Date Due: Monday, October 5, 2020</b>
---------------------------------------------------------------	------------------------------------------

7

Samples Received at: 4.7 °C

Received By: **Agnieszka B. Zabawa**  
 Logged In By: **Agnieszka B. Zabawa**

Date Received: **09/28/20 18:15**  
 Date Logged In: **09/28/20 20:19**

- |                                      |     |
|--------------------------------------|-----|
| How were samples received?           | EMT |
| Custody Seals Present                | Yes |
| Custody Seals Intact                 | Yes |
| Sample Containers Intact             | Yes |
| COC Present and Complete             | Yes |
| COC agrees with Sample Labels        | Yes |
| Containers Properly Preserved        | Yes |
| Samples Received Within Holdtime     | Yes |
| Cooler Temp Within Limits            | Yes |
| VOA Water Vials Received             | Yes |
| Vials Contain > Pea Sized Air Bubble | Yes |

Client Sample Name

# Vials > Pea Size Bubble


ABZ

09/28/2020



**CUSTODY SEAL** **QEC**  
 Quality Environmental Containers  
 800-255-3950 • www.qecusa.com

DATE 09-28-20  
 SIGNATURE [Signature]

**CUSTODY SEAL** **QEC**  
 Quality Environmental Containers  
 800-255-3950 • www.qecusa.com

DATE 09-28-20  
 SIGNATURE [Signature]

**CUSTODY SEAL** **QEC**  
 Quality Environmental Containers  
 800-255-3950 • www.qecusa.com

DATE 09-28-20  
 SIGNATURE [Signature]

**CUSTODY SEAL** **QEC**  
 Quality Environmental Containers  
 800-255-3950 • www.qecusa.com

DATE 09-28-20  
 SIGNATURE [Signature]

**CUSTODY SEAL** **QEC**  
 Quality Environmental Containers  
 800-255-3950 • www.qecusa.com

DATE 09-28-20  
 SIGNATURE [Signature]

**CUSTODY SEAL** **QEC**  
 Quality Environmental Containers  
 800-255-3950 • www.qecusa.com

DATE 09-28-20  
 SIGNATURE [Signature]

**CUSTODY SEAL** **QEC**  
 Quality Environmental Containers  
 800-255-3950 • www.qecusa.com

DATE 09-28-20  
 SIGNATURE [Signature]

**CUSTODY SEAL** **QEC**  
 Quality Environmental Containers  
 800-255-3950 • www.qecusa.com

DATE 09-28-20  
 SIGNATURE [Signature]

October 12, 2020

Nicole Ryan  
Environmental Monitoring & Technologies  
8100 North Austin Avenue  
Morton Grove, IL 60053

RE: Project: GEOSYNTEC MIL DIE CAST  
Pace Project No.: 40216134

Dear Nicole Ryan:

Enclosed are the analytical results for sample(s) received by the laboratory on October 08, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

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

Sincerely,



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

Enclosures



## REPORT OF LABORATORY ANALYSIS

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

Project: GEOSYNTEC MIL DIE CAST

Pace Project No.: 40216134

---

### **Pace Analytical Services Green Bay**

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: GEOSYNTEC MIL DIE CAST  
Pace Project No.: 40216134

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40216134001	MW-1	Water	09/25/20 12:30	10/08/20 10:25
40216134002	PZ-1	Water	09/25/20 11:55	10/08/20 10:25
40216134003	MW-2	Water	09/24/20 13:40	10/08/20 10:25
40216134004	PZ-2	Water	09/25/20 08:25	10/08/20 10:25
40216134005	MW-3	Water	09/23/20 11:00	10/08/20 10:25
40216134006	MW-3 DUP	Water	09/23/20 11:00	10/08/20 10:25
40216134007	MW-4	Water	09/24/20 09:55	10/08/20 10:25
40216134008	MW-6	Water	09/25/20 11:05	10/08/20 10:25
40216134009	MW-7	Water	09/24/20 16:05	10/08/20 10:25
40216134010	MW-8	Water	09/24/20 09:55	10/08/20 10:25
40216134011	MW-9	Water	09/24/20 11:55	10/08/20 10:25
40216134012	PZ-10	Water	09/25/20 08:25	10/08/20 10:25
40216134013	MW-12	Water	09/23/20 11:30	10/08/20 10:25
40216134014	MW-12 DUP	Water	09/23/20 11:30	10/08/20 10:25
40216134015	MW-13	Water	09/23/20 14:05	10/08/20 10:25
40216134016	MW-14	Water	09/23/20 14:35	10/08/20 10:25

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: GEOSYNTEC MIL DIE CAST

Pace Project No.: 40216134

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40216134001	MW-1	EPA 8015B Modified	ALD	3	PASI-G
40216134002	PZ-1	EPA 8015B Modified	ALD	3	PASI-G
40216134003	MW-2	EPA 8015B Modified	ALD	3	PASI-G
40216134004	PZ-2	EPA 8015B Modified	ALD	3	PASI-G
40216134005	MW-3	EPA 8015B Modified	ALD	3	PASI-G
40216134006	MW-3 DUP	EPA 8015B Modified	ALD	3	PASI-G
40216134007	MW-4	EPA 8015B Modified	ALD	3	PASI-G
40216134008	MW-6	EPA 8015B Modified	ALD	3	PASI-G
40216134009	MW-7	EPA 8015B Modified	ALD	3	PASI-G
40216134010	MW-8	EPA 8015B Modified	ALD	3	PASI-G
40216134011	MW-9	EPA 8015B Modified	ALD	3	PASI-G
40216134012	PZ-10	EPA 8015B Modified	ALD	3	PASI-G
40216134013	MW-12	EPA 8015B Modified	ALD	3	PASI-G
40216134014	MW-12 DUP	EPA 8015B Modified	ALD	3	PASI-G
40216134015	MW-13	EPA 8015B Modified	ALD	3	PASI-G
40216134016	MW-14	EPA 8015B Modified	ALD	3	PASI-G

PASI-G = Pace Analytical Services - Green Bay

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: GEOSYNTEC MIL DIE CAST  
Pace Project No.: 40216134

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40216134001</b>	<b>MW-1</b>					
EPA 8015B Modified	Ethene	33.3	ug/L	5.0	10/09/20 09:51	
EPA 8015B Modified	Methane	147	ug/L	2.8	10/09/20 09:51	HS
<b>40216134002</b>	<b>PZ-1</b>					
EPA 8015B Modified	Ethene	1.8J	ug/L	5.0	10/09/20 09:57	
EPA 8015B Modified	Methane	5.0	ug/L	2.8	10/09/20 09:57	HS
<b>40216134003</b>	<b>MW-2</b>					
EPA 8015B Modified	Methane	2.0J	ug/L	2.8	10/09/20 10:04	H1,HS
<b>40216134004</b>	<b>PZ-2</b>					
EPA 8015B Modified	Ethene	2.1J	ug/L	5.6	10/09/20 10:11	
EPA 8015B Modified	Ethene	1.2J	ug/L	5.0	10/09/20 10:11	
EPA 8015B Modified	Methane	26.6	ug/L	2.8	10/09/20 10:11	
<b>40216134005</b>	<b>MW-3</b>					
EPA 8015B Modified	Methane	1.8J	ug/L	2.8	10/09/20 10:18	H3
<b>40216134006</b>	<b>MW-3 DUP</b>					
EPA 8015B Modified	Methane	1.4J	ug/L	2.8	10/09/20 10:25	H3
<b>40216134008</b>	<b>MW-6</b>					
EPA 8015B Modified	Methane	9.4	ug/L	2.8	10/09/20 10:39	HS
<b>40216134009</b>	<b>MW-7</b>					
EPA 8015B Modified	Methane	4.3	ug/L	2.8	10/09/20 10:46	H1
<b>40216134010</b>	<b>MW-8</b>					
EPA 8015B Modified	Methane	0.74J	ug/L	2.8	10/09/20 10:53	H1
<b>40216134011</b>	<b>MW-9</b>					
EPA 8015B Modified	Methane	1.7J	ug/L	2.8	10/09/20 11:11	H1
<b>40216134012</b>	<b>PZ-10</b>					
EPA 8015B Modified	Methane	0.81J	ug/L	2.8	10/09/20 11:18	HS
<b>40216134013</b>	<b>MW-12</b>					
EPA 8015B Modified	Methane	1.1J	ug/L	2.8	10/09/20 11:25	H3
<b>40216134014</b>	<b>MW-12 DUP</b>					
EPA 8015B Modified	Methane	0.81J	ug/L	2.8	10/09/20 11:32	H3
<b>40216134015</b>	<b>MW-13</b>					
EPA 8015B Modified	Methane	1.3J	ug/L	2.8	10/09/20 11:39	H3
<b>40216134016</b>	<b>MW-14</b>					
EPA 8015B Modified	Methane	1.3J	ug/L	2.8	10/09/20 11:46	H3,HS

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: GEOSYNTEC MIL DIE CAST

Pace Project No.: 40216134

**Sample: MW-1**      **Lab ID: 40216134001**      Collected: 09/25/20 12:30      Received: 10/08/20 10:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>		Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay							
Ethane	<1.2	ug/L	5.6	1.2	1		10/09/20 09:51	74-84-0	
Ethene	33.3	ug/L	5.0	1.2	1		10/09/20 09:51	74-85-1	
Methane	147	ug/L	2.8	0.66	1		10/09/20 09:51	74-82-8	HS

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: GEOSYNTEC MIL DIE CAST

Pace Project No.: 40216134

**Sample: PZ-1**      **Lab ID: 40216134002**      Collected: 09/25/20 11:55      Received: 10/08/20 10:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>		Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay							
Ethane	<1.2	ug/L	5.6	1.2	1		10/09/20 09:57	74-84-0	
Ethene	1.8J	ug/L	5.0	1.2	1		10/09/20 09:57	74-85-1	
Methane	5.0	ug/L	2.8	0.66	1		10/09/20 09:57	74-82-8	HS

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## ANALYTICAL RESULTS

Project: GEOSYNTEC MIL DIE CAST

Pace Project No.: 40216134

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**Sample: MW-2**                      **Lab ID: 40216134003**    Collected: 09/24/20 13:40    Received: 10/08/20 10:25    Matrix: Water

---

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>		Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay							
Ethane	<b>&lt;1.2</b>	ug/L	5.6	1.2	1		10/09/20 10:04	74-84-0	H1
Ethene	<b>&lt;1.2</b>	ug/L	5.0	1.2	1		10/09/20 10:04	74-85-1	H1
Methane	<b>2.0J</b>	ug/L	2.8	0.66	1		10/09/20 10:04	74-82-8	H1,HS

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## ANALYTICAL RESULTS

Project: GEOSYNTEC MIL DIE CAST

Pace Project No.: 40216134

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**Sample: PZ-2**                      **Lab ID: 40216134004**    Collected: 09/25/20 08:25    Received: 10/08/20 10:25    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	<b>2.1J</b>	ug/L	5.6	1.2	1		10/09/20 10:11	74-84-0	
Ethene	<b>1.2J</b>	ug/L	5.0	1.2	1		10/09/20 10:11	74-85-1	
Methane	<b>26.6</b>	ug/L	2.8	0.66	1		10/09/20 10:11	74-82-8	

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## ANALYTICAL RESULTS

Project: GEOSYNTEC MIL DIE CAST

Pace Project No.: 40216134

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**Sample: MW-3**                      **Lab ID: 40216134005**    Collected: 09/23/20 11:00    Received: 10/08/20 10:25    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	<b>&lt;1.2</b>	ug/L	5.6	1.2	1		10/09/20 10:18	74-84-0	H3
Ethene	<b>&lt;1.2</b>	ug/L	5.0	1.2	1		10/09/20 10:18	74-85-1	H3
Methane	<b>1.8J</b>	ug/L	2.8	0.66	1		10/09/20 10:18	74-82-8	H3

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### ANALYTICAL RESULTS

Project: GEOSYNTEC MIL DIE CAST

Pace Project No.: 40216134

**Sample: MW-3 DUP**      **Lab ID: 40216134006**      Collected: 09/23/20 11:00      Received: 10/08/20 10:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>		Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay							
Ethane	<1.2	ug/L	5.6	1.2	1		10/09/20 10:25	74-84-0	H3
Ethene	<1.2	ug/L	5.0	1.2	1		10/09/20 10:25	74-85-1	H3
Methane	1.4J	ug/L	2.8	0.66	1		10/09/20 10:25	74-82-8	H3

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### ANALYTICAL RESULTS

Project: GEOSYNTEC MIL DIE CAST

Pace Project No.: 40216134

**Sample: MW-4**      **Lab ID: 40216134007**      Collected: 09/24/20 09:55      Received: 10/08/20 10:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>		Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay							
Ethane	<1.2	ug/L	5.6	1.2	1		10/09/20 10:32	74-84-0	H1
Ethene	<1.2	ug/L	5.0	1.2	1		10/09/20 10:32	74-85-1	H1
Methane	<0.66	ug/L	2.8	0.66	1		10/09/20 10:32	74-82-8	H1,HS

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### ANALYTICAL RESULTS

Project: GEOSYNTEC MIL DIE CAST

Pace Project No.: 40216134

**Sample: MW-6**      **Lab ID: 40216134008**      Collected: 09/25/20 11:05      Received: 10/08/20 10:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>		Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay							
Ethane	<1.2	ug/L	5.6	1.2	1		10/09/20 10:39	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		10/09/20 10:39	74-85-1	
Methane	9.4	ug/L	2.8	0.66	1		10/09/20 10:39	74-82-8	HS

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### ANALYTICAL RESULTS

Project: GEOSYNTEC MIL DIE CAST

Pace Project No.: 40216134

**Sample: MW-7**      **Lab ID: 40216134009**      Collected: 09/24/20 16:05      Received: 10/08/20 10:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>		Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay							
Ethane	<1.2	ug/L	5.6	1.2	1		10/09/20 10:46	74-84-0	H1
Ethene	<1.2	ug/L	5.0	1.2	1		10/09/20 10:46	74-85-1	H1
Methane	4.3	ug/L	2.8	0.66	1		10/09/20 10:46	74-82-8	H1

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## ANALYTICAL RESULTS

Project: GEOSYNTEC MIL DIE CAST

Pace Project No.: 40216134

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**Sample: MW-8**                      **Lab ID: 40216134010**    Collected: 09/24/20 09:55    Received: 10/08/20 10:25    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	<b>&lt;1.2</b>	ug/L	5.6	1.2	1		10/09/20 10:53	74-84-0	H1
Ethene	<b>&lt;1.2</b>	ug/L	5.0	1.2	1		10/09/20 10:53	74-85-1	H1
Methane	<b>0.74J</b>	ug/L	2.8	0.66	1		10/09/20 10:53	74-82-8	H1

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## ANALYTICAL RESULTS

Project: GEOSYNTEC MIL DIE CAST

Pace Project No.: 40216134

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**Sample: MW-9**                      **Lab ID: 40216134011**    Collected: 09/24/20 11:55    Received: 10/08/20 10:25    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	<b>&lt;1.2</b>	ug/L	5.6	1.2	1		10/09/20 11:11	74-84-0	H1
Ethene	<b>&lt;1.2</b>	ug/L	5.0	1.2	1		10/09/20 11:11	74-85-1	H1
Methane	<b>1.7J</b>	ug/L	2.8	0.66	1		10/09/20 11:11	74-82-8	H1

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### ANALYTICAL RESULTS

Project: GEOSYNTEC MIL DIE CAST

Pace Project No.: 40216134

**Sample: PZ-10**      **Lab ID: 40216134012**      Collected: 09/25/20 08:25      Received: 10/08/20 10:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>		Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay							
Ethane	<1.2	ug/L	5.6	1.2	1		10/09/20 11:18	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		10/09/20 11:18	74-85-1	
Methane	<b>0.81J</b>	ug/L	2.8	0.66	1		10/09/20 11:18	74-82-8	HS

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### ANALYTICAL RESULTS

Project: GEOSYNTEC MIL DIE CAST

Pace Project No.: 40216134

**Sample: MW-12**      **Lab ID: 40216134013**      Collected: 09/23/20 11:30      Received: 10/08/20 10:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>		Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay							
Ethane	<1.2	ug/L	5.6	1.2	1		10/09/20 11:25	74-84-0	H3
Ethene	<1.2	ug/L	5.0	1.2	1		10/09/20 11:25	74-85-1	H3
Methane	1.1J	ug/L	2.8	0.66	1		10/09/20 11:25	74-82-8	H3

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## ANALYTICAL RESULTS

Project: GEOSYNTEC MIL DIE CAST

Pace Project No.: 40216134

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**Sample: MW-12 DUP**      **Lab ID: 40216134014**    Collected: 09/23/20 11:30    Received: 10/08/20 10:25    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	<b>&lt;1.2</b>	ug/L	5.6	1.2	1		10/09/20 11:32	74-84-0	H3
Ethene	<b>&lt;1.2</b>	ug/L	5.0	1.2	1		10/09/20 11:32	74-85-1	H3
Methane	<b>0.81J</b>	ug/L	2.8	0.66	1		10/09/20 11:32	74-82-8	H3

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## ANALYTICAL RESULTS

Project: GEOSYNTEC MIL DIE CAST

Pace Project No.: 40216134

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**Sample: MW-13**      **Lab ID: 40216134015**    Collected: 09/23/20 14:05    Received: 10/08/20 10:25    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	<b>&lt;1.2</b>	ug/L	5.6	1.2	1		10/09/20 11:39	74-84-0	H3
Ethene	<b>&lt;1.2</b>	ug/L	5.0	1.2	1		10/09/20 11:39	74-85-1	H3
Methane	<b>1.3J</b>	ug/L	2.8	0.66	1		10/09/20 11:39	74-82-8	H3

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### ANALYTICAL RESULTS

Project: GEOSYNTEC MIL DIE CAST

Pace Project No.: 40216134

**Sample: MW-14**      **Lab ID: 40216134016**      Collected: 09/23/20 14:35      Received: 10/08/20 10:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>		Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay							
Ethane	<1.2	ug/L	5.6	1.2	1		10/09/20 11:46	74-84-0	H3
Ethene	<1.2	ug/L	5.0	1.2	1		10/09/20 11:46	74-85-1	H3
Methane	1.3J	ug/L	2.8	0.66	1		10/09/20 11:46	74-82-8	H3,HS

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: GEOSYNTEC MIL DIE CAST  
Pace Project No.: 40216134

QC Batch:	367804	Analysis Method:	EPA 8015B Modified
QC Batch Method:	EPA 8015B Modified	Analysis Description:	Methane, Ethane, Ethene GCV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40216134001, 40216134002, 40216134003, 40216134004, 40216134005, 40216134006, 40216134007, 40216134008, 40216134009, 40216134010, 40216134011, 40216134012, 40216134013, 40216134014, 40216134015, 40216134016

METHOD BLANK: 2126060 Matrix: Water  
Associated Lab Samples: 40216134001, 40216134002, 40216134003, 40216134004, 40216134005, 40216134006, 40216134007, 40216134008, 40216134009, 40216134010, 40216134011, 40216134012, 40216134013, 40216134014, 40216134015, 40216134016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<1.2	5.6	10/09/20 09:09	
Ethene	ug/L	<1.2	5.0	10/09/20 09:09	
Methane	ug/L	<0.66	2.8	10/09/20 09:09	

LABORATORY CONTROL SAMPLE & LCSD: 2126061 2126062

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	53.6	52.8	54.2	99	101	80-120	3	20	
Ethene	ug/L	50	48.5	49.8	97	100	80-120	3	20	
Methane	ug/L	28.6	27.9	28.9	98	101	79-120	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2126063 2126064

Parameter	Units	40216134002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<1.2	53.6	53.6	54.8	56.3	102	105	79-120	3	20	
Ethene	ug/L	1.8J	50	50	52.5	53.7	101	104	79-120	2	20	
Methane	ug/L	5.0	28.6	28.6	36.8	37.7	111	114	10-200	2	20 HS	

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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## QUALIFIERS

Project: GEOSYNTEC MIL DIE CAST

Pace Project No.: 40216134

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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, percent moisture, initial weight and final volume.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

H1 Analysis conducted outside the recognized method holding time.

H3 Sample was received or analysis requested beyond the recognized method holding time.

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

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GEOSYNTEC MIL DIE CAST

Pace Project No.: 40216134

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40216134001	MW-1	EPA 8015B Modified	367804		
40216134002	PZ-1	EPA 8015B Modified	367804		
40216134003	MW-2	EPA 8015B Modified	367804		
40216134004	PZ-2	EPA 8015B Modified	367804		
40216134005	MW-3	EPA 8015B Modified	367804		
40216134006	MW-3 DUP	EPA 8015B Modified	367804		
40216134007	MW-4	EPA 8015B Modified	367804		
40216134008	MW-6	EPA 8015B Modified	367804		
40216134009	MW-7	EPA 8015B Modified	367804		
40216134010	MW-8	EPA 8015B Modified	367804		
40216134011	MW-9	EPA 8015B Modified	367804		
40216134012	PZ-10	EPA 8015B Modified	367804		
40216134013	MW-12	EPA 8015B Modified	367804		
40216134014	MW-12 DUP	EPA 8015B Modified	367804		
40216134015	MW-13	EPA 8015B Modified	367804		
40216134016	MW-14	EPA 8015B Modified	367804		

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# ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.

509 N. 3rd Avenue  
Des Plaines, IL 60016

1 of 2

## Chain of Custody Record

847-967-6666  
FAX: 847-967-6735  
www.emt.com

40216134

TURNAROUND TIME:  
 RUSH  
 \_\_\_ day turnaround  
 ROUTINE

Due Date: \_\_\_ - \_\_\_ - \_\_\_ COC #: **239533**

Company: EMT  
 Address: 509 N 3rd Ave  
Des Plaines IL 60016

Phone #: 847-324-3326 Fax #: ( ) - -  
 P.O. #: 61977 Proj. #: -

Client Contact: NICK Ryan nryan@emt.com  
 Project ID / Location: Geosyntec Mill Die Cast

**Sample Type:**  
 1. Waste Water 4. Sludge 7. Groundwater (filtered)  
 2. Drinking Water 5. Oil 8. Other  
 3. Soil 6. Groundwater

**Container Type:**  
 P - Plastic V - VOC Vial O - Other  
 G - Glass B - Tedlar Bag

**Preservative:**  
 1. None 4. NaOH 7. Zn Ace  
 2. H<sub>2</sub>SO<sub>4</sub> 5. HCl 8. Other  
 3. HNO<sub>3</sub> 6. MeOH

### Analyses

EMT  
USE  
ONLY

EMT  
WORKORDER

6015 Methanetetramine

001  
002  
003  
004  
005  
006  
007  
008  
009  
010

Sample I.D.	Sample Type	Container			Sampling					Preservation		Field	Lab
		Size	Type	No.	By	Date	Time	pH	Temp.	Field	Lab		
MW-1	6					9/25	1230					X	
PZ-1	6					9/25	1155					X	
MW-2	6					9/24	1340					X	
PZ-2	6					9/25	0825					X	
MW-3	6					9/23	1100					X	
MW-3 DUP	6					9/23	1100					X	
MW-4	6					9/24	0955					X	
MW-6	6					9/25	1105					X	
MW-7	6					9/24	1605					X	
MW-8	6					9/24	0955					X	

MW-MSD

Relinquished By: <u>[Signature]</u>	Date: <u>10-07-20</u>	Received By:	Date: - -
Relinquished By: <u>[Signature]</u>	Date: <u>10-8-20</u>	Received By: <u>[Signature]</u>	Date: <u>10-8-20</u>
Relinquished By:	Date: - -	Received For Lab By:	Date: - -

EMT USE ONLY

SAMPLE RECEIVED ON ICE

TEMPERATURE

EMT Project I.D.

Jar Lot No.

EMT SAMPLE RETURN POLICY ON BACK

**SPECIAL INSTRUCTIONS:**

PZ-1 → meth MS/MSD



# ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.

509 N. 3rd Avenue  
Des Plaines, IL 60016

## Chain of Custody Record

847-967-6666  
FAX: 847-967-6735  
www.emt.com

Due Date: \_\_\_\_\_ COC #: **239531**

40216134

TURNAROUND TIME:  
 RUSH  
 \_\_\_\_\_ day turnaround  
 ROUTINE

Page 26 of 28

Company: EMT  
 Address: 509 N 3rd Ave  
Des Plaines, IL 60016  
 Phone #: (815) 324-3320 Fax #: (\_\_\_\_) \_\_\_\_\_  
 P.O. #: 61977 Proj. #: \_\_\_\_\_  
 Client Contact: Nicki Ryan nryan@emt.com  
 Project ID / Location: Geosyntec Mt. Die Cast

**Sample Type:**  
 1. Waste Water 4. Sludge 7. Groundwater (filtered)  
 2. Drinking Water 5. Oil 8. Other  
 3. Soil 6. Groundwater \_\_\_\_\_

**Container Type:**  
 P - Plastic V - VOC Vial O - Other  
 G - Glass B - Tedlar Bag \_\_\_\_\_

**Preservative:**  
 1. None 4. NaOH 7. Zn Ace  
 2. H<sub>2</sub>SO<sub>4</sub> 5. HCl 8. Other  
 3. HNO<sub>3</sub> 6. MeOH \_\_\_\_\_

### Analyses

EMT  
USE  
ONLY

EMT  
WORKORDER

DO NOT WRITE IN THESE SPACES

011  
012  
013  
014  
015  
016

Sample I.D.	Sample Type	Container			Sampling				Preservation		Field	Lab	#	
		Size	Type	No.	By	Date	Time	pH	Temp.	Field				Lab
MW-9	6					9/24	1155					X		
PZ-10	6					9/25	0825					X		
MW-12	6					9/23	1130					X		
MW-12 DUP	6					9/23	1130					X		
MW-13	6					9/23	1405					X		
MW-14	6					9/23	1435					X		

Relinquished By: <u>[Signature]</u>	Date: <u>10-07-20</u> Time: _____	Received By: _____	Date: - - Time: _____	EMT USE ONLY	<input checked="" type="checkbox"/> SAMPLE RECEIVED ON ICE <input checked="" type="checkbox"/> TEMPERATURE  <b>EMT SAMPLE RETURN POLICY ON BACK</b>
Relinquished By: <u>UPS</u>	Date: <u>10-8-20</u> Time: <u>10:25</u>	Received By: <u>[Signature]</u>	Date: <u>10-8-20</u> Time: <u>10:25</u>	Client Code: EMT Project I.D.	
Relinquished By: _____	Date: - - Time: _____	Received For Lab By: _____	Date: - - Time: _____	Jar Lot No.	

**SPECIAL INSTRUCTIONS:**



**Sample Preservation Receipt Form**

Client Name: EMT

Project # 40216134

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

Initial when completed:

Date/Time:

Lab Lot# of pH paper:

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

Pace Lab #	Glass							Plastic					Vials				Jars				General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)			
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU								SP5T	ZPLC	GN
001																2																	2.5 / 5 / 10
002																2																	2.5 / 5 / 10
003																2																	2.5 / 5 / 10
004																2																	2.5 / 5 / 10
005																2																	2.5 / 5 / 10
006																2																	2.5 / 5 / 10
007																2																	2.5 / 5 / 10
008																2																	2.5 / 5 / 10
009																2																	2.5 / 5 / 10
010																2																	2.5 / 5 / 10
011																2																	2.5 / 5 / 10
012																2																	2.5 / 5 / 10
013																2																	2.5 / 5 / 10
014																2																	2.5 / 5 / 10
015																2																	2.5 / 5 / 10
016																2																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

*10/18/20*  
*VP*

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

AG1U	1 liter amber glass
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziptoc bag
GN	



1241 Bellevue Street, Green Bay, WI 54302

Document Name:  
Sample Condition Upon Receipt (SCUR)

Document Revised: 26Mar2020

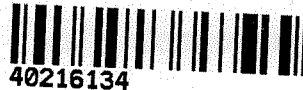
Document No.:  
ENV-FRM-GBAY-0014-Rev.00

Author:  
Pace Green Bay Quality Office

### Sample Condition Upon Receipt Form (SCUR)

Project #:

WO#: 40216134



Client Name: EIMT

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

Tracking #: 12 873 FOR NT 9342 8032

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

Cooler Temperature Uncorr: 1 / Corr: 1.5

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

Temp should be above freezing to 6°C.

Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:

Date: 10/8/20 Initials: HP

Labeled By Initials: SRK

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 type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	4.	<u>Subwork</u> <u>10/8/20</u>
Samples Arrived within Hold Time: - VOA Samples frozen upon receipt	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	5.	<u>per pm notified past hold time -</u> <u>10/8/20</u>
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: 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		8.	
Correct Containers Used: -Pace Containers Used: -Pace IR Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9.	
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: -Includes date/time/ID/Analysis Matrix: <u>W</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.	
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.	
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Pace Trip Blank Lot # (if purchased):			

#### Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

PM Review is documented electronically in LIMS. By releasing the project, the PM acknowledges they have reviewed the sample logir

## Analytical Report

Jeremiah Johnson  
Geosyntec Consultants  
10600 N. Port Washington Rd.  
Mequon, WI 53092

November 12, 2020

Work Order: 20J0958

RE: Milw Die Cast

Dear Jeremiah Johnson:

Enclosed are the analytical reports for the EMT Work Order listed. Also included with this analytical report is a copy of the chain of custody associated with these samples. If you have any questions, please contact me.

Sincerely,



Nicole Ryan  
Federal Project Manager  
847.967.6666  
nryan@emt.com  
Approved for release: 11/12/2020 10:41:31AM

Approved by,



Nathan Fey  
Laboratory Operations Manager

The contents of this report apply to the sample(s) analyzed. No duplication is allowed except in its entirety. Detection and Reporting limits are adjusted for sample size used, dilutions and moisture content, if applicable.

State of Wisconsin Dept of Natural Resources, Cert No. 999888890



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### Sample Summary

<u>Sample ID</u>	<u>Laboratory ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
MW-5	20J0958-01	Groundwater	10/29/20 08:45	10/30/20 12:20
MW-5 (F)	20J0958-02	Groundwater	10/29/20 08:45	10/30/20 12:20
MW-10	20J0958-03	Groundwater	10/29/20 10:36	10/30/20 12:20
MW-10 (F)	20J0958-04	Groundwater	10/29/20 10:36	10/30/20 12:20
MW-11	20J0958-05	Groundwater	10/29/20 09:57	10/30/20 12:20
Trip Blank	20J0958-06	Water	10/30/20 00:00	10/30/20 12:20

## Case Narrative

**Client:** Geosyntec Consultants

**Date:** 11/12/2020

**Project:** Milw Die Cast

**Work Order:** 20J0958

---

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Sample results only relate to the sample(s) received at the laboratory and analytes of interest tested.

**Work Order: 20J0958**

The samples were received on 10/30/20 12:20. The samples arrived in good condition and properly preserved. The temperature of the cooler at receipt was:

<u>Cooler</u>	<u>Temp C°</u>
Default Cooler	4.9

Custody seal broken by EMT Technician to ice down samples.

Refer to Qualifiers and Definitions for quality and analytical clarifications or deviations.

### Client Sample Results

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
**Work Order:** 20J0958

**Client Sample ID:** MW-5  
**Report Date:** 11/12/2020  
**Collection Date:** 10/29/2020 08:45  
**Matrix:** Groundwater  
**Lab ID:** 20J0958-01

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit									
<b>Wet Chemistry</b>											
Method: SW9060											
Organic Carbon, Total	3.86	1.00			mg/L	0.400	0.800	11/03/20 23:37	B0K0081	TB2	1
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>											
Method: SW8082A / SW3510											
Aroclor 1016	< 0.617	1.23			ug/L	0.262	0.617	11/09/20 18:42	B0K0016	CS2	1
Aroclor 1221	< 0.617	0.741			ug/L	0.236	0.617	11/09/20 18:42	B0K0016	CS2	1
Aroclor 1232	< 0.617	0.741			ug/L	0.200	0.617	11/09/20 18:42	B0K0016	CS2	1
Aroclor 1242	< 1.23	2.47			ug/L	0.433	1.23	11/09/20 18:42	B0K0016	CS2	1
Aroclor 1248	< 0.617	0.741			ug/L	0.197	0.617	11/09/20 18:42	B0K0016	CS2	1
Aroclor 1254	< 0.617	0.741			ug/L	0.217	0.617	11/09/20 18:42	B0K0016	CS2	1
Aroclor 1260	< 0.370	0.494			ug/L	0.139	0.370	11/09/20 18:42	B0K0016	CS2	1
Total PCB	< 0.617	0.741			ug/L	0.236	0.617	11/09/20 18:42	B0K0016	CS2	1
Surrogate: Decachlorobiphenyl					Recovery: 79%	Limits: 10-139		11/09/20 18:42	B0K0016	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene					Recovery: 56%	Limits: 26-107		11/09/20 18:42	B0K0016	CS2	1
<b>Volatile Organic Compounds by GC/MS</b>											
Method: SW8260B / SW5030											
1,1,1,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.706	2.00	11/02/20 16:58	B0K0079	WZZ	1
1,1,1-Trichloroethane	< 2.00	4.00			ug/L	0.719	2.00	11/02/20 16:58	B0K0079	WZZ	1
1,1,2,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.713	2.00	11/02/20 16:58	B0K0079	WZZ	1
1,1,2-Trichloroethane	< 0.600	2.00			ug/L	0.198	0.600	11/02/20 16:58	B0K0079	WZZ	1
1,1-Dichloroethane	< 2.00	4.00			ug/L	0.691	2.00	11/02/20 16:58	B0K0079	WZZ	1
1,1-Dichloroethene	< 4.00	8.00			ug/L	1.10	4.00	11/02/20 16:58	B0K0079	WZZ	1
1,1-Dichloropropene	< 1.00	2.00			ug/L	0.462	1.00	11/02/20 16:58	B0K0079	WZZ	1
1,2,3-Trichlorobenzene	< 0.600	2.00			ug/L	0.199	0.600	11/02/20 16:58	B0K0079	WZZ	1
1,2,3-Trichloropropane	< 2.00	4.00			ug/L	0.598	2.00	11/02/20 16:58	B0K0079	WZZ	1
1,2,4-Trimethylbenzene	< 2.00	4.00			ug/L	0.753	2.00	11/02/20 16:58	B0K0079	WZZ	1
1,2-Dibromo-3-chloropropane	< 4.00	8.00			ug/L	1.22	4.00	11/02/20 16:58	B0K0079	WZZ	1
1,2-Dibromoethane	< 1.00	2.00			ug/L	0.420	1.00	11/02/20 16:58	B0K0079	WZZ	1
1,2-Dichloroethane	< 2.00	4.00			ug/L	0.731	2.00	11/02/20 16:58	B0K0079	WZZ	1
1,2-Dichloropropane	< 2.00	4.00			ug/L	0.557	2.00	11/02/20 16:58	B0K0079	WZZ	1
1,3,5-Trimethylbenzene	< 1.00	2.00			ug/L	0.351	1.00	11/02/20 16:58	B0K0079	WZZ	1
1,3-Dichloropropane	< 1.00	2.00			ug/L	0.345	1.00	11/02/20 16:58	B0K0079	WZZ	1
2,2-Dichloropropane	< 4.00	8.00			ug/L	1.03	4.00	11/02/20 16:58	B0K0079	WZZ	1
2-Butanone	< 14.0	28.0			ug/L	4.79	14.0	11/02/20 16:58	B0K0079	WZZ	1
2-Chlorotoluene	< 1.00	2.00			ug/L	0.384	1.00	11/02/20 16:58	B0K0079	WZZ	1
2-Hexanone	< 14.0	28.0			ug/L	4.74	14.0	11/02/20 16:58	B0K0079	WZZ	1
4-Isopropyltoluene	< 2.00	4.00			ug/L	0.930	2.00	11/02/20 16:58	B0K0079	WZZ	1
4-Methyl-2-pentanone	< 14.0	28.0			ug/L	4.40	14.0	11/02/20 16:58	B0K0079	WZZ	1
Acetone	< 28.0	70.0	Q, S1		ug/L	9.21	28.0	11/02/20 16:58	B0K0079	WZZ	1
Benzene	< 1.00	2.00			ug/L	0.362	1.00	11/02/20 16:58	B0K0079	WZZ	1
Bromobenzene	< 1.00	2.00			ug/L	0.354	1.00	11/02/20 16:58	B0K0079	WZZ	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
**Work Order:** 20J0958

**Client Sample ID:** MW-5  
**Report Date:** 11/12/2020  
**Collection Date:** 10/29/2020 08:45  
**Matrix:** Groundwater  
**Lab ID:** 20J0958-01 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Volatile Organic Compounds by GC/MS (Continued)</b>										
Method: SW8260B / SW5030 (Continued)										
Bromochloromethane	< 2.00	4.00		ug/L	0.861	2.00	11/02/20 16:58	B0K0079	WZZ	1
Bromodichloromethane	< 1.00	2.00		ug/L	0.458	1.00	11/02/20 16:58	B0K0079	WZZ	1
Bromoform	< 2.00	4.00		ug/L	0.570	2.00	11/02/20 16:58	B0K0079	WZZ	1
Bromomethane	< 4.00	8.00		ug/L	1.61	4.00	11/02/20 16:58	B0K0079	WZZ	1
Carbon disulfide	< 2.00	4.00		ug/L	0.739	2.00	11/02/20 16:58	B0K0079	WZZ	1
Carbon tetrachloride	< 2.00	4.00		ug/L	0.710	2.00	11/02/20 16:58	B0K0079	WZZ	1
Chlorobenzene	< 0.600	2.00		ug/L	0.170	0.600	11/02/20 16:58	B0K0079	WZZ	1
Chloroethane	< 2.00	4.00		ug/L	0.621	2.00	11/02/20 16:58	B0K0079	WZZ	1
Chloroform	< 4.00	8.00		ug/L	1.06	4.00	11/02/20 16:58	B0K0079	WZZ	1
Chloromethane	< 4.00	8.00		ug/L	1.30	4.00	11/02/20 16:58	B0K0079	WZZ	1
cis-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.652	2.00	11/02/20 16:58	B0K0079	WZZ	1
cis-1,3-Dichloropropene	< 2.00	4.00		ug/L	0.408	2.00	11/02/20 16:58	B0K0079	WZZ	1
Cyclohexane	< 1.00	2.00		ug/L	0.325	1.00	11/02/20 16:58	B0K0079	WZZ	1
Dibromochloromethane	< 2.00	4.00		ug/L	0.632	2.00	11/02/20 16:58	B0K0079	WZZ	1
Dibromomethane	< 1.00	2.00		ug/L	0.390	1.00	11/02/20 16:58	B0K0079	WZZ	1
Dichlorodifluoromethane	< 0.600	2.00		ug/L	0.186	0.600	11/02/20 16:58	B0K0079	WZZ	1
Ethylbenzene	< 1.00	2.00		ug/L	0.268	1.00	11/02/20 16:58	B0K0079	WZZ	1
Isopropylbenzene	< 1.00	2.00		ug/L	0.312	1.00	11/02/20 16:58	B0K0079	WZZ	1
m,p-Xylene	< 4.00	8.00		ug/L	1.58	4.00	11/02/20 16:58	B0K0079	WZZ	1
Methyl tert-butyl ether	< 2.00	4.00		ug/L	0.838	2.00	11/02/20 16:58	B0K0079	WZZ	1
Methylene chloride	< 4.00	8.00		ug/L	1.02	4.00	11/02/20 16:58	B0K0079	WZZ	1
n-Butylbenzene	< 1.00	2.00		ug/L	0.295	1.00	11/02/20 16:58	B0K0079	WZZ	1
n-Propylbenzene	< 1.00	2.00		ug/L	0.289	1.00	11/02/20 16:58	B0K0079	WZZ	1
o-Xylene	< 1.00	2.00		ug/L	0.324	1.00	11/02/20 16:58	B0K0079	WZZ	1
sec-Butylbenzene	< 0.600	2.00		ug/L	0.223	0.600	11/02/20 16:58	B0K0079	WZZ	1
Styrene	< 4.00	8.00		ug/L	1.17	4.00	11/02/20 16:58	B0K0079	WZZ	1
tert-Butylbenzene	< 2.00	4.00		ug/L	0.800	2.00	11/02/20 16:58	B0K0079	WZZ	1
Tetrachloroethene	< 2.00	4.00		ug/L	0.646	2.00	11/02/20 16:58	B0K0079	WZZ	1
Toluene	< 2.00	4.00		ug/L	0.510	2.00	11/02/20 16:58	B0K0079	WZZ	1
trans-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.566	2.00	11/02/20 16:58	B0K0079	WZZ	1
trans-1,3-Dichloropropene	< 4.00	8.00		ug/L	1.17	4.00	11/02/20 16:58	B0K0079	WZZ	1
Trichloroethene	< 2.00	4.00		ug/L	0.939	2.00	11/02/20 16:58	B0K0079	WZZ	1
Trichlorofluoromethane	< 2.00	4.00		ug/L	0.503	2.00	11/02/20 16:58	B0K0079	WZZ	1
Vinyl chloride	< 2.00	4.00		ug/L	0.582	2.00	11/02/20 16:58	B0K0079	WZZ	1
Xylenes, Total	< 6.00	12.0		ug/L	1.62	6.00	11/02/20 16:58	B0K0079	WZZ	1
<i>Surrogate: Dibromofluoromethane</i>				<i>Recovery: 101%</i>	<i>Limits: 84-137</i>		<i>11/02/20 16:58</i>	<i>B0K0079</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>				<i>Recovery: 99%</i>	<i>Limits: 74-140</i>		<i>11/02/20 16:58</i>	<i>B0K0079</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Fluorobenzene</i>				<i>Recovery: 96%</i>	<i>Limits: 90-105</i>		<i>11/02/20 16:58</i>	<i>B0K0079</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Toluene-d8</i>				<i>Recovery: 97%</i>	<i>Limits: 74-109</i>		<i>11/02/20 16:58</i>	<i>B0K0079</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 4-Bromofluorobenzene</i>				<i>Recovery: 112%</i>	<i>Limits: 86-128</i>		<i>11/02/20 16:58</i>	<i>B0K0079</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>				<i>Recovery: 95%</i>	<i>Limits: 90-128</i>		<i>11/02/20 16:58</i>	<i>B0K0079</i>	<i>WZZ</i>	<i>1</i>



**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
**Work Order:** 20J0958

**Client Sample ID:** MW-5  
**Report Date:** 11/12/2020  
**Collection Date:** 10/29/2020 08:45  
**Matrix:** Groundwater  
**Lab ID:** 20J0958-01 (Continued)

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Limit								
<b>Semivolatile Organic Compounds by GC/MS</b>											
<b>Method: SW8270D / SW3510</b>											
1,2,4-Trichlorobenzene	< 1.05	2.10			ug/L	0.294	1.05	11/05/20 13:03	B0K0092	CP1	1
1,2-Dichlorobenzene	< 1.05	2.10			ug/L	0.315	1.05	11/05/20 13:03	B0K0092	CP1	1
1,3-Dichlorobenzene	< 1.05	2.10			ug/L	0.326	1.05	11/05/20 13:03	B0K0092	CP1	1
1,4-Dichlorobenzene	< 1.05	2.10			ug/L	0.294	1.05	11/05/20 13:03	B0K0092	CP1	1
2,4,5-Trichlorophenol	< 0.526	1.05			ug/L	0.136	0.526	11/05/20 13:03	B0K0092	CP1	1
2,4,6-Trichlorophenol	< 0.526	1.05			ug/L	0.256	0.526	11/05/20 13:03	B0K0092	CP1	1
2,4-Dichlorophenol	< 0.526	1.05			ug/L	0.0828	0.526	11/05/20 13:03	B0K0092	CP1	1
2,4-Dimethylphenol	< 1.05	2.10			ug/L	0.123	1.05	11/05/20 13:03	B0K0092	CP1	1
2,4-Dinitrophenol	< 10.5	31.5			ug/L	3.48	10.5	11/05/20 13:03	B0K0092	CP1	1
2,4-Dinitrotoluene	< 1.05	2.10			ug/L	0.265	1.05	11/05/20 13:03	B0K0092	CP1	1
2,6-Dinitrotoluene	< 0.526	1.05			ug/L	0.242	0.526	11/05/20 13:03	B0K0092	CP1	1
2-Chloronaphthalene	< 0.315	0.631			ug/L	0.111	0.315	11/05/20 13:03	B0K0092	CP1	1
2-Chlorophenol	< 0.526	1.05			ug/L	0.161	0.526	11/05/20 13:03	B0K0092	CP1	1
2-Methylnaphthalene	< 2.10	4.21			ug/L	0.673	2.10	11/05/20 13:03	B0K0092	CP1	1
2-Methylphenol	< 0.526	1.05			ug/L	0.192	0.526	11/05/20 13:03	B0K0092	CP1	1
2-Nitroaniline	< 10.5	31.5			ug/L	2.69	10.5	11/05/20 13:03	B0K0092	CP1	1
2-Nitrophenol	< 0.526	1.05			ug/L	0.220	0.526	11/05/20 13:03	B0K0092	CP1	1
3,3'-Dichlorobenzidine	< 10.5	21.0			ug/L	3.33	10.5	11/05/20 13:03	B0K0092	CP1	1
3 & 4-Methylphenol	< 0.526	1.05			ug/L	0.188	0.526	11/05/20 13:03	B0K0092	CP1	1
3-Nitroaniline	< 1.05	2.10			ug/L	0.378	1.05	11/05/20 13:03	B0K0092	CP1	1
4,6-Dinitro-2-methylphenol	< 5.26	15.8			ug/L	2.58	5.26	11/05/20 13:03	B0K0092	CP1	1
4-Bromophenyl-phenylether	< 0.526	1.05			ug/L	0.168	0.526	11/05/20 13:03	B0K0092	CP1	1
4-Chloro-3-methylphenol	< 0.210	0.526			ug/L	0.0750	0.210	11/05/20 13:03	B0K0092	CP1	1
4-Chloroaniline	< 0.315	0.631			ug/L	0.112	0.315	11/05/20 13:03	B0K0092	CP1	1
4-Chlorophenyl-phenylether	< 0.526	1.05			ug/L	0.153	0.526	11/05/20 13:03	B0K0092	CP1	1
4-Nitroaniline	< 10.5	31.5			ug/L	3.97	10.5	11/05/20 13:03	B0K0092	CP1	1
4-Nitrophenol	< 5.26	15.8			ug/L	1.51	5.26	11/05/20 13:03	B0K0092	CP1	1
Acenaphthene	< 0.315	0.631			ug/L	0.109	0.315	11/05/20 13:03	B0K0092	CP1	1
Acenaphthylene	< 0.315	0.631			ug/L	0.137	0.315	11/05/20 13:03	B0K0092	CP1	1
Anthracene	< 0.315	0.631			ug/L	0.117	0.315	11/05/20 13:03	B0K0092	CP1	1
Azobenzene as 1,2-Diphenylhydrazine	< 0.315	1.05			ug/L	0.0806	0.315	11/05/20 13:03	B0K0092	CP1	1
Benzidine	< 42.1	84.1			ug/L	17.4	42.1	11/05/20 13:03	B0K0092	CP1	1
Benzo(a)anthracene	< 0.315	0.631			ug/L	0.130	0.315	11/05/20 13:03	B0K0092	CP1	1
Benzo(a)pyrene	< 1.05	2.10			ug/L	0.395	1.05	11/05/20 13:03	B0K0092	CP1	1
Benzo(b)fluoranthene	< 1.05	2.10			ug/L	0.391	1.05	11/05/20 13:03	B0K0092	CP1	1
Benzo(g,h,i)perylene	< 1.05	2.10			ug/L	0.420	1.05	11/05/20 13:03	B0K0092	CP1	1
Benzo(k)fluoranthene	< 0.526	2.10			ug/L	0.262	0.526	11/05/20 13:03	B0K0092	CP1	1
Benzoic acid	< 25.2	42.1			ug/L	12.3	25.2	11/05/20 13:03	B0K0092	CP1	1
Benzyl alcohol	< 2.10	4.21			ug/L	0.578	2.10	11/05/20 13:03	B0K0092	CP1	1
Bis(2-chloroethoxy)methane	< 0.526	1.05			ug/L	0.142	0.526	11/05/20 13:03	B0K0092	CP1	1
Bis(2-chloroethyl)ether	< 0.526	1.05			ug/L	0.185	0.526	11/05/20 13:03	B0K0092	CP1	1
Bis(2-chloroisopropyl)ether	< 0.526	1.05			ug/L	0.135	0.526	11/05/20 13:03	B0K0092	CP1	1
Bis(2-ethylhexyl)phthalate	< 10.5	21.0			ug/L	3.82	10.5	11/05/20 13:03	B0K0092	CP1	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
**Work Order:** 20J0958

**Client Sample ID:** MW-5  
**Report Date:** 11/12/2020  
**Collection Date:** 10/29/2020 08:45  
**Matrix:** Groundwater  
**Lab ID:** 20J0958-01 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Semivolatile Organic Compounds by GC/MS (Continued)</b>										
Method: SW8270D / SW3510 (Continued)										
Butyl benzyl phthalate	< 0.526	1.05		ug/L	0.246	0.526	11/05/20 13:03	B0K0092	CP1	1
Carbazole	< 0.526	1.05		ug/L	0.182	0.526	11/05/20 13:03	B0K0092	CP1	1
Chrysene	< 0.315	0.631		ug/L	0.133	0.315	11/05/20 13:03	B0K0092	CP1	1
Dibenzo(a,h)anthracene	< 1.05	2.10		ug/L	0.464	1.05	11/05/20 13:03	B0K0092	CP1	1
Dibenzofuran	< 0.315	0.631		ug/L	0.129	0.315	11/05/20 13:03	B0K0092	CP1	1
Diethyl phthalate	< 3.15	6.31		ug/L	1.22	3.15	11/05/20 13:03	B0K0092	CP1	1
Dimethyl phthalate	< 0.315	0.631		ug/L	0.0928	0.315	11/05/20 13:03	B0K0092	CP1	1
Di-n-butyl phthalate	< 6.31	10.5		ug/L	3.03	6.31	11/05/20 13:03	B0K0092	CP1	1
Di-n-octyl phthalate	< 5.26	10.5		ug/L	1.99	5.26	11/05/20 13:03	B0K0092	CP1	1
Fluoranthene	< 0.526	1.05		ug/L	0.206	0.526	11/05/20 13:03	B0K0092	CP1	1
Fluorene	< 0.315	0.631		ug/L	0.130	0.315	11/05/20 13:03	B0K0092	CP1	1
Hexachlorobenzene	< 0.526	1.05		ug/L	0.173	0.526	11/05/20 13:03	B0K0092	CP1	1
Hexachlorobutadiene	< 0.526	1.05		ug/L	0.263	0.526	11/05/20 13:03	B0K0092	CP1	1
Hexachlorocyclopentadiene	< 5.26	15.8		ug/L	2.30	5.26	11/05/20 13:03	B0K0092	CP1	1
Hexachloroethane	< 0.526	1.05		ug/L	0.231	0.526	11/05/20 13:03	B0K0092	CP1	1
Indeno(1,2,3-cd)pyrene	< 1.05	2.10		ug/L	0.528	1.05	11/05/20 13:03	B0K0092	CP1	1
Isophorone	< 0.315	0.631		ug/L	0.116	0.315	11/05/20 13:03	B0K0092	CP1	1
Naphthalene	< 2.10	4.21		ug/L	0.858	2.10	11/05/20 13:03	B0K0092	CP1	1
Nitrobenzene	< 0.315	0.631		ug/L	0.147	0.315	11/05/20 13:03	B0K0092	CP1	1
N-Nitrosodimethylamine	< 0.526	1.05		ug/L	0.164	0.526	11/05/20 13:03	B0K0092	CP1	1
N-Nitrosodi-n-propylamine	< 1.05	2.10		ug/L	0.335	1.05	11/05/20 13:03	B0K0092	CP1	1
N-Nitrosodiphenylamine	< 0.315	0.631		ug/L	0.109	0.315	11/05/20 13:03	B0K0092	CP1	1
Pentachlorophenol	< 10.5	31.5		ug/L	2.65	10.5	11/05/20 13:03	B0K0092	CP1	1
Phenanthrene	< 0.526	1.05		ug/L	0.217	0.526	11/05/20 13:03	B0K0092	CP1	1
Phenol	< 0.526	1.05		ug/L	0.179	0.526	11/05/20 13:03	B0K0092	CP1	1
Pyrene	< 0.526	1.05		ug/L	0.219	0.526	11/05/20 13:03	B0K0092	CP1	1
<i>Surrogate: 2-Fluorophenol</i>				<i>Recovery: 41%</i>	<i>Limits: 10-88</i>		<i>11/05/20 13:03</i>	<i>B0K0092</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: Phenol-d5</i>				<i>Recovery: 37%</i>	<i>Limits: 10-65</i>		<i>11/05/20 13:03</i>	<i>B0K0092</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: Nitrobenzene-d5</i>				<i>Recovery: 65%</i>	<i>Limits: 25-128</i>		<i>11/05/20 13:03</i>	<i>B0K0092</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: 2-Fluorobiphenyl</i>				<i>Recovery: 57%</i>	<i>Limits: 24-114</i>		<i>11/05/20 13:03</i>	<i>B0K0092</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: 2,4,6-Tribromophenol</i>				<i>Recovery: 66%</i>	<i>Limits: 15-119</i>		<i>11/05/20 13:03</i>	<i>B0K0092</i>	<i>CP1</i>	<i>1</i>
<i>Surrogate: 4-Terphenyl-d14</i>				<i>Recovery: 75%</i>	<i>Limits: 29-129</i>		<i>11/05/20 13:03</i>	<i>B0K0092</i>	<i>CP1</i>	<i>1</i>

**Subcontracted Analyses**

Method: SW8260-SIM Modified / SW5030

1,4-Dioxane	< 0.200	0.500		ug/L	0.0625	0.200	11/03/20 11:00	B0K0078	CP1	1
<i>Surrogate: Toluene-d8</i>				<i>Recovery: 107%</i>	<i>Limits: 80-120</i>		<i>11/03/20 11:00</i>	<i>B0K0078</i>	<i>CP1</i>	<i>1</i>

### Client Sample Results

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
**Work Order:** 20J0958

**Client Sample ID:** MW-5 (F)  
**Report Date:** 11/12/2020  
**Collection Date:** 10/29/2020 08:45  
**Matrix:** Groundwater  
**Lab ID:** 20J0958-02

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF	
		Limit										
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>												
Method: SW8082A / SW3510												
Aroclor 1016	< 0.527	1.05			ug/L	0.224	0.527	11/09/20 18:08	B0K0016	CS2	1	
Aroclor 1221	< 0.527	0.633			ug/L	0.202	0.527	11/09/20 18:08	B0K0016	CS2	1	
Aroclor 1232	< 0.527	0.633			ug/L	0.171	0.527	11/09/20 18:08	B0K0016	CS2	1	
Aroclor 1242	< 1.05	2.11			ug/L	0.370	1.05	11/09/20 18:08	B0K0016	CS2	1	
Aroclor 1248	< 0.527	0.633			ug/L	0.169	0.527	11/09/20 18:08	B0K0016	CS2	1	
Aroclor 1254	< 0.527	0.633			ug/L	0.185	0.527	11/09/20 18:08	B0K0016	CS2	1	
Aroclor 1260	< 0.316	0.422			ug/L	0.118	0.316	11/09/20 18:08	B0K0016	CS2	1	
Total PCB	< 0.527	0.633			ug/L	0.202	0.527	11/09/20 18:08	B0K0016	CS2	1	
<i>Surrogate: Decachlorobiphenyl</i>					Recovery: 91%		Limits: 10-139		11/09/20 18:08	B0K0016	CS2	1
<i>Surrogate: 2,4,5,6-Tetrachloro-m-xylene</i>					Recovery: 64%		Limits: 26-107		11/09/20 18:08	B0K0016	CS2	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
**Work Order:** 20J0958

**Client Sample ID:** MW-10  
**Report Date:** 11/12/2020  
**Collection Date:** 10/29/2020 10:36  
**Matrix:** Groundwater  
**Lab ID:** 20J0958-03

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF	
		Limit	Limit									
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>												
Method: SW8082A / SW3510												
Aroclor 1016	< 0.546	1.09			ug/L	0.232	0.546	11/09/20 18:25	B0K0016	CS2	1	
Aroclor 1221	< 0.546	0.655			ug/L	0.209	0.546	11/09/20 18:25	B0K0016	CS2	1	
Aroclor 1232	< 0.546	0.655			ug/L	0.177	0.546	11/09/20 18:25	B0K0016	CS2	1	
Aroclor 1242	< 1.09	2.18			ug/L	0.382	1.09	11/09/20 18:25	B0K0016	CS2	1	
Aroclor 1248	< 0.546	0.655			ug/L	0.174	0.546	11/09/20 18:25	B0K0016	CS2	1	
Aroclor 1254	< 0.546	0.655			ug/L	0.192	0.546	11/09/20 18:25	B0K0016	CS2	1	
Aroclor 1260	< 0.327	0.436			ug/L	0.122	0.327	11/09/20 18:25	B0K0016	CS2	1	
Total PCB	< 0.546	0.655			ug/L	0.209	0.546	11/09/20 18:25	B0K0016	CS2	1	
<i>Surrogate: Decachlorobiphenyl</i>					Recovery: 92%		Limits: 10-139		11/09/20 18:25	B0K0016	CS2	1
<i>Surrogate: 2,4,5,6-Tetrachloro-m-xylene</i>					Recovery: 64%		Limits: 26-107		11/09/20 18:25	B0K0016	CS2	1
<b>Volatile Organic Compounds by GC/MS</b>												
Method: SW8260B / SW5030												
1,1,1,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.706	2.00	11/02/20 17:24	B0K0079	WZZ	1	
1,1,1-Trichloroethane	< 2.00	4.00			ug/L	0.719	2.00	11/02/20 17:24	B0K0079	WZZ	1	
1,1,2,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.713	2.00	11/02/20 17:24	B0K0079	WZZ	1	
1,1,2-Trichloroethane	< 0.600	2.00			ug/L	0.198	0.600	11/02/20 17:24	B0K0079	WZZ	1	
1,1-Dichloroethane	< 2.00	4.00			ug/L	0.691	2.00	11/02/20 17:24	B0K0079	WZZ	1	
1,1-Dichloroethene	< 4.00	8.00			ug/L	1.10	4.00	11/02/20 17:24	B0K0079	WZZ	1	
1,1-Dichloropropene	< 1.00	2.00			ug/L	0.462	1.00	11/02/20 17:24	B0K0079	WZZ	1	
1,2,3-Trichlorobenzene	< 0.600	2.00			ug/L	0.199	0.600	11/02/20 17:24	B0K0079	WZZ	1	
1,2,3-Trichloropropane	< 2.00	4.00			ug/L	0.598	2.00	11/02/20 17:24	B0K0079	WZZ	1	
1,2,4-Trimethylbenzene	< 2.00	4.00			ug/L	0.753	2.00	11/02/20 17:24	B0K0079	WZZ	1	
1,2-Dibromo-3-chloropropane	< 4.00	8.00			ug/L	1.22	4.00	11/02/20 17:24	B0K0079	WZZ	1	
1,2-Dibromoethane	< 1.00	2.00			ug/L	0.420	1.00	11/02/20 17:24	B0K0079	WZZ	1	
1,2-Dichloroethane	< 2.00	4.00			ug/L	0.731	2.00	11/02/20 17:24	B0K0079	WZZ	1	
1,2-Dichloropropane	< 2.00	4.00			ug/L	0.557	2.00	11/02/20 17:24	B0K0079	WZZ	1	
1,3,5-Trimethylbenzene	< 1.00	2.00			ug/L	0.351	1.00	11/02/20 17:24	B0K0079	WZZ	1	
1,3-Dichloropropane	< 1.00	2.00			ug/L	0.345	1.00	11/02/20 17:24	B0K0079	WZZ	1	
2,2-Dichloropropane	< 4.00	8.00			ug/L	1.03	4.00	11/02/20 17:24	B0K0079	WZZ	1	
2-Butanone	< 14.0	28.0			ug/L	4.79	14.0	11/02/20 17:24	B0K0079	WZZ	1	
2-Chlorotoluene	< 1.00	2.00			ug/L	0.384	1.00	11/02/20 17:24	B0K0079	WZZ	1	
2-Hexanone	< 14.0	28.0			ug/L	4.74	14.0	11/02/20 17:24	B0K0079	WZZ	1	
4-Isopropyltoluene	< 2.00	4.00			ug/L	0.930	2.00	11/02/20 17:24	B0K0079	WZZ	1	
4-Methyl-2-pentanone	< 14.0	28.0			ug/L	4.40	14.0	11/02/20 17:24	B0K0079	WZZ	1	
Acetone	< 28.0	70.0	Q, S1		ug/L	9.21	28.0	11/02/20 17:24	B0K0079	WZZ	1	
Benzene	< 1.00	2.00			ug/L	0.362	1.00	11/02/20 17:24	B0K0079	WZZ	1	
Bromobenzene	< 1.00	2.00			ug/L	0.354	1.00	11/02/20 17:24	B0K0079	WZZ	1	
Bromochloromethane	< 2.00	4.00			ug/L	0.861	2.00	11/02/20 17:24	B0K0079	WZZ	1	
Bromodichloromethane	< 1.00	2.00			ug/L	0.458	1.00	11/02/20 17:24	B0K0079	WZZ	1	
Bromoform	< 2.00	4.00			ug/L	0.570	2.00	11/02/20 17:24	B0K0079	WZZ	1	
Bromomethane	< 4.00	8.00			ug/L	1.61	4.00	11/02/20 17:24	B0K0079	WZZ	1	
Carbon disulfide	< 2.00	4.00			ug/L	0.739	2.00	11/02/20 17:24	B0K0079	WZZ	1	

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
**Work Order:** 20J0958

**Client Sample ID:** MW-10  
**Report Date:** 11/12/2020  
**Collection Date:** 10/29/2020 10:36  
**Matrix:** Groundwater  
**Lab ID:** 20J0958-03 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Volatile Organic Compounds by GC/MS (Continued)</b>										
<b>Method: SW8260B / SW5030 (Continued)</b>										
Carbon tetrachloride	< 2.00	4.00		ug/L	0.710	2.00	11/02/20 17:24	B0K0079	WZZ	1
Chlorobenzene	< 0.600	2.00		ug/L	0.170	0.600	11/02/20 17:24	B0K0079	WZZ	1
Chloroethane	< 2.00	4.00		ug/L	0.621	2.00	11/02/20 17:24	B0K0079	WZZ	1
Chloroform	< 4.00	8.00		ug/L	1.06	4.00	11/02/20 17:24	B0K0079	WZZ	1
Chloromethane	< 4.00	8.00		ug/L	1.30	4.00	11/02/20 17:24	B0K0079	WZZ	1
cis-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.652	2.00	11/02/20 17:24	B0K0079	WZZ	1
cis-1,3-Dichloropropene	< 2.00	4.00		ug/L	0.408	2.00	11/02/20 17:24	B0K0079	WZZ	1
Cyclohexane	< 1.00	2.00		ug/L	0.325	1.00	11/02/20 17:24	B0K0079	WZZ	1
Dibromochloromethane	< 2.00	4.00		ug/L	0.632	2.00	11/02/20 17:24	B0K0079	WZZ	1
Dibromomethane	< 1.00	2.00		ug/L	0.390	1.00	11/02/20 17:24	B0K0079	WZZ	1
Dichlorodifluoromethane	< 0.600	2.00		ug/L	0.186	0.600	11/02/20 17:24	B0K0079	WZZ	1
Ethylbenzene	< 1.00	2.00		ug/L	0.268	1.00	11/02/20 17:24	B0K0079	WZZ	1
Isopropylbenzene	< 1.00	2.00		ug/L	0.312	1.00	11/02/20 17:24	B0K0079	WZZ	1
m,p-Xylene	< 4.00	8.00		ug/L	1.58	4.00	11/02/20 17:24	B0K0079	WZZ	1
Methyl tert-butyl ether	< 2.00	4.00		ug/L	0.838	2.00	11/02/20 17:24	B0K0079	WZZ	1
Methylene chloride	< 4.00	8.00		ug/L	1.02	4.00	11/02/20 17:24	B0K0079	WZZ	1
n-Butylbenzene	< 1.00	2.00		ug/L	0.295	1.00	11/02/20 17:24	B0K0079	WZZ	1
n-Propylbenzene	< 1.00	2.00		ug/L	0.289	1.00	11/02/20 17:24	B0K0079	WZZ	1
o-Xylene	< 1.00	2.00		ug/L	0.324	1.00	11/02/20 17:24	B0K0079	WZZ	1
sec-Butylbenzene	< 0.600	2.00		ug/L	0.223	0.600	11/02/20 17:24	B0K0079	WZZ	1
Styrene	< 4.00	8.00		ug/L	1.17	4.00	11/02/20 17:24	B0K0079	WZZ	1
tert-Butylbenzene	< 2.00	4.00		ug/L	0.800	2.00	11/02/20 17:24	B0K0079	WZZ	1
Tetrachloroethene	< 2.00	4.00		ug/L	0.646	2.00	11/02/20 17:24	B0K0079	WZZ	1
Toluene	< 2.00	4.00		ug/L	0.510	2.00	11/02/20 17:24	B0K0079	WZZ	1
trans-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.566	2.00	11/02/20 17:24	B0K0079	WZZ	1
trans-1,3-Dichloropropene	< 4.00	8.00		ug/L	1.17	4.00	11/02/20 17:24	B0K0079	WZZ	1
Trichloroethene	< 2.00	4.00		ug/L	0.939	2.00	11/02/20 17:24	B0K0079	WZZ	1
Trichlorofluoromethane	< 2.00	4.00		ug/L	0.503	2.00	11/02/20 17:24	B0K0079	WZZ	1
Vinyl chloride	< 2.00	4.00		ug/L	0.582	2.00	11/02/20 17:24	B0K0079	WZZ	1
Xylenes, Total	< 6.00	12.0		ug/L	1.62	6.00	11/02/20 17:24	B0K0079	WZZ	1
<i>Surrogate: Dibromofluoromethane</i>				<i>Recovery: 99%</i>	<i>Limits: 84-137</i>		<i>11/02/20 17:24</i>	<i>B0K0079</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>				<i>Recovery: 101%</i>	<i>Limits: 74-140</i>		<i>11/02/20 17:24</i>	<i>B0K0079</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Fluorobenzene</i>				<i>Recovery: 101%</i>	<i>Limits: 90-105</i>		<i>11/02/20 17:24</i>	<i>B0K0079</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Toluene-d8</i>				<i>Recovery: 93%</i>	<i>Limits: 74-109</i>		<i>11/02/20 17:24</i>	<i>B0K0079</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 4-Bromofluorobenzene</i>				<i>Recovery: 107%</i>	<i>Limits: 86-128</i>		<i>11/02/20 17:24</i>	<i>B0K0079</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>				<i>Recovery: 95%</i>	<i>Limits: 90-128</i>		<i>11/02/20 17:24</i>	<i>B0K0079</i>	<i>WZZ</i>	<i>1</i>





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**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
**Work Order:** 20J0958

**Client Sample ID:** MW-10  
**Report Date:** 11/12/2020  
**Collection Date:** 10/29/2020 10:36  
**Matrix:** Groundwater  
**Lab ID:** 20J0958-03 (Continued)

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit									
<b>Subcontracted Analyses</b>											
Method: SW8260-SIM Modified / SW5030											
1,4-Dioxane	< 0.200	0.500			ug/L	0.0625	0.200	11/03/20 11:24	B0K0078	CP1	1
Surrogate: Toluene-d8				Recovery: 110%		Limits: 80-120		11/03/20 11:24	B0K0078	CP1	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
**Work Order:** 20J0958

**Client Sample ID:** MW-10 (F)  
**Report Date:** 11/12/2020  
**Collection Date:** 10/29/2020 10:36  
**Matrix:** Groundwater  
**Lab ID:** 20J0958-04

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF	
		Limit										
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>												
Method: SW8082A / SW3510												
Aroclor 1016	< 0.512	1.02			ug/L	0.217	0.512	11/09/20 18:42	B0K0016	CS2	1	
Aroclor 1221	< 0.512	0.615			ug/L	0.196	0.512	11/09/20 18:42	B0K0016	CS2	1	
Aroclor 1232	< 0.512	0.615			ug/L	0.166	0.512	11/09/20 18:42	B0K0016	CS2	1	
Aroclor 1242	< 1.02	2.05			ug/L	0.359	1.02	11/09/20 18:42	B0K0016	CS2	1	
Aroclor 1248	< 0.512	0.615			ug/L	0.164	0.512	11/09/20 18:42	B0K0016	CS2	1	
Aroclor 1254	< 0.512	0.615			ug/L	0.180	0.512	11/09/20 18:42	B0K0016	CS2	1	
Aroclor 1260	< 0.307	0.410			ug/L	0.115	0.307	11/09/20 18:42	B0K0016	CS2	1	
Total PCB	< 0.512	0.615			ug/L	0.196	0.512	11/09/20 18:42	B0K0016	CS2	1	
<i>Surrogate: Decachlorobiphenyl</i>					Recovery: 95%		Limits: 10-139		11/09/20 18:42	B0K0016	CS2	1
<i>Surrogate: 2,4,5,6-Tetrachloro-m-xylene</i>					Recovery: 67%		Limits: 26-107		11/09/20 18:42	B0K0016	CS2	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
**Work Order:** 20J0958

**Client Sample ID:** MW-11  
**Report Date:** 11/12/2020  
**Collection Date:** 10/29/2020 09:57  
**Matrix:** Groundwater  
**Lab ID:** 20J0958-05

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF	
		Limit	Limit									
<b>Polychlorinated Biphenyls (PCBs) by GC/ECD</b>												
Method: SW8082A / SW3510												
Aroclor 1016	< 0.533	1.07			ug/L	0.226	0.533	11/09/20 18:59	B0K0016	CS2	1	
Aroclor 1221	< 0.533	0.640			ug/L	0.204	0.533	11/09/20 18:59	B0K0016	CS2	1	
Aroclor 1232	< 0.533	0.640			ug/L	0.173	0.533	11/09/20 18:59	B0K0016	CS2	1	
Aroclor 1242	< 1.07	2.13			ug/L	0.374	1.07	11/09/20 18:59	B0K0016	CS2	1	
Aroclor 1248	< 0.533	0.640			ug/L	0.171	0.533	11/09/20 18:59	B0K0016	CS2	1	
Aroclor 1254	< 0.533	0.640			ug/L	0.187	0.533	11/09/20 18:59	B0K0016	CS2	1	
Aroclor 1260	< 0.320	0.427			ug/L	0.120	0.320	11/09/20 18:59	B0K0016	CS2	1	
Total PCB	< 0.533	0.640			ug/L	0.204	0.533	11/09/20 18:59	B0K0016	CS2	1	
<i>Surrogate: Decachlorobiphenyl</i>					Recovery: 84%		Limits: 10-139		11/09/20 18:59	B0K0016	CS2	1
<i>Surrogate: 2,4,5,6-Tetrachloro-m-xylene</i>					Recovery: 54%		Limits: 26-107		11/09/20 18:59	B0K0016	CS2	1

**Volatile Organic Compounds by GC/MS**

Method: SW8260B / SW5030

1,1,1,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.706	2.00	11/02/20 17:49	B0K0079	WZZ	1
1,1,1-Trichloroethane	< 2.00	4.00			ug/L	0.719	2.00	11/02/20 17:49	B0K0079	WZZ	1
1,1,2,2-Tetrachloroethane	< 2.00	4.00			ug/L	0.713	2.00	11/02/20 17:49	B0K0079	WZZ	1
1,1,2-Trichloroethane	< 0.600	2.00			ug/L	0.198	0.600	11/02/20 17:49	B0K0079	WZZ	1
1,1-Dichloroethane	< 2.00	4.00			ug/L	0.691	2.00	11/02/20 17:49	B0K0079	WZZ	1
1,1-Dichloroethene	< 4.00	8.00			ug/L	1.10	4.00	11/02/20 17:49	B0K0079	WZZ	1
1,1-Dichloropropene	< 1.00	2.00			ug/L	0.462	1.00	11/02/20 17:49	B0K0079	WZZ	1
1,2,3-Trichlorobenzene	< 0.600	2.00			ug/L	0.199	0.600	11/02/20 17:49	B0K0079	WZZ	1
1,2,3-Trichloropropane	< 2.00	4.00			ug/L	0.598	2.00	11/02/20 17:49	B0K0079	WZZ	1
1,2,4-Trimethylbenzene	< 2.00	4.00			ug/L	0.753	2.00	11/02/20 17:49	B0K0079	WZZ	1
1,2-Dibromo-3-chloropropane	< 4.00	8.00			ug/L	1.22	4.00	11/02/20 17:49	B0K0079	WZZ	1
1,2-Dibromoethane	< 1.00	2.00			ug/L	0.420	1.00	11/02/20 17:49	B0K0079	WZZ	1
1,2-Dichloroethane	< 2.00	4.00			ug/L	0.731	2.00	11/02/20 17:49	B0K0079	WZZ	1
1,2-Dichloropropane	< 2.00	4.00			ug/L	0.557	2.00	11/02/20 17:49	B0K0079	WZZ	1
1,3,5-Trimethylbenzene	< 1.00	2.00			ug/L	0.351	1.00	11/02/20 17:49	B0K0079	WZZ	1
1,3-Dichloropropane	< 1.00	2.00			ug/L	0.345	1.00	11/02/20 17:49	B0K0079	WZZ	1
2,2-Dichloropropane	< 4.00	8.00			ug/L	1.03	4.00	11/02/20 17:49	B0K0079	WZZ	1
2-Butanone	< 14.0	28.0			ug/L	4.79	14.0	11/02/20 17:49	B0K0079	WZZ	1
2-Chlorotoluene	< 1.00	2.00			ug/L	0.384	1.00	11/02/20 17:49	B0K0079	WZZ	1
2-Hexanone	< 14.0	28.0			ug/L	4.74	14.0	11/02/20 17:49	B0K0079	WZZ	1
4-Isopropyltoluene	< 2.00	4.00			ug/L	0.930	2.00	11/02/20 17:49	B0K0079	WZZ	1
4-Methyl-2-pentanone	< 14.0	28.0			ug/L	4.40	14.0	11/02/20 17:49	B0K0079	WZZ	1
Acetone	< 28.0	70.0	Q, S1		ug/L	9.21	28.0	11/02/20 17:49	B0K0079	WZZ	1
Benzene	< 1.00	2.00			ug/L	0.362	1.00	11/02/20 17:49	B0K0079	WZZ	1
Bromobenzene	< 1.00	2.00			ug/L	0.354	1.00	11/02/20 17:49	B0K0079	WZZ	1
Bromochloromethane	< 2.00	4.00			ug/L	0.861	2.00	11/02/20 17:49	B0K0079	WZZ	1
Bromodichloromethane	< 1.00	2.00			ug/L	0.458	1.00	11/02/20 17:49	B0K0079	WZZ	1
Bromoform	< 2.00	4.00			ug/L	0.570	2.00	11/02/20 17:49	B0K0079	WZZ	1
Bromomethane	< 4.00	8.00			ug/L	1.61	4.00	11/02/20 17:49	B0K0079	WZZ	1
Carbon disulfide	< 2.00	4.00			ug/L	0.739	2.00	11/02/20 17:49	B0K0079	WZZ	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
**Work Order:** 20J0958

**Client Sample ID:** MW-11  
**Report Date:** 11/12/2020  
**Collection Date:** 10/29/2020 09:57  
**Matrix:** Groundwater  
**Lab ID:** 20J0958-05 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Volatile Organic Compounds by GC/MS (Continued)</b>										
<b>Method: SW8260B / SW5030 (Continued)</b>										
Carbon tetrachloride	< 2.00	4.00		ug/L	0.710	2.00	11/02/20 17:49	B0K0079	WZZ	1
Chlorobenzene	< 0.600	2.00		ug/L	0.170	0.600	11/02/20 17:49	B0K0079	WZZ	1
Chloroethane	< 2.00	4.00		ug/L	0.621	2.00	11/02/20 17:49	B0K0079	WZZ	1
Chloroform	< 4.00	8.00		ug/L	1.06	4.00	11/02/20 17:49	B0K0079	WZZ	1
Chloromethane	< 4.00	8.00		ug/L	1.30	4.00	11/02/20 17:49	B0K0079	WZZ	1
cis-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.652	2.00	11/02/20 17:49	B0K0079	WZZ	1
cis-1,3-Dichloropropene	< 2.00	4.00		ug/L	0.408	2.00	11/02/20 17:49	B0K0079	WZZ	1
Cyclohexane	< 1.00	2.00		ug/L	0.325	1.00	11/02/20 17:49	B0K0079	WZZ	1
Dibromochloromethane	< 2.00	4.00		ug/L	0.632	2.00	11/02/20 17:49	B0K0079	WZZ	1
Dibromomethane	< 1.00	2.00		ug/L	0.390	1.00	11/02/20 17:49	B0K0079	WZZ	1
Dichlorodifluoromethane	< 0.600	2.00		ug/L	0.186	0.600	11/02/20 17:49	B0K0079	WZZ	1
Ethylbenzene	< 1.00	2.00		ug/L	0.268	1.00	11/02/20 17:49	B0K0079	WZZ	1
Isopropylbenzene	< 1.00	2.00		ug/L	0.312	1.00	11/02/20 17:49	B0K0079	WZZ	1
m,p-Xylene	< 4.00	8.00		ug/L	1.58	4.00	11/02/20 17:49	B0K0079	WZZ	1
Methyl tert-butyl ether	< 2.00	4.00		ug/L	0.838	2.00	11/02/20 17:49	B0K0079	WZZ	1
Methylene chloride	< 4.00	8.00		ug/L	1.02	4.00	11/02/20 17:49	B0K0079	WZZ	1
n-Butylbenzene	< 1.00	2.00		ug/L	0.295	1.00	11/02/20 17:49	B0K0079	WZZ	1
n-Propylbenzene	< 1.00	2.00		ug/L	0.289	1.00	11/02/20 17:49	B0K0079	WZZ	1
o-Xylene	< 1.00	2.00		ug/L	0.324	1.00	11/02/20 17:49	B0K0079	WZZ	1
sec-Butylbenzene	< 0.600	2.00		ug/L	0.223	0.600	11/02/20 17:49	B0K0079	WZZ	1
Styrene	< 4.00	8.00		ug/L	1.17	4.00	11/02/20 17:49	B0K0079	WZZ	1
tert-Butylbenzene	< 2.00	4.00		ug/L	0.800	2.00	11/02/20 17:49	B0K0079	WZZ	1
Tetrachloroethene	< 2.00	4.00		ug/L	0.646	2.00	11/02/20 17:49	B0K0079	WZZ	1
Toluene	< 2.00	4.00		ug/L	0.510	2.00	11/02/20 17:49	B0K0079	WZZ	1
trans-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.566	2.00	11/02/20 17:49	B0K0079	WZZ	1
trans-1,3-Dichloropropene	< 4.00	8.00		ug/L	1.17	4.00	11/02/20 17:49	B0K0079	WZZ	1
Trichloroethene	< 2.00	4.00		ug/L	0.939	2.00	11/02/20 17:49	B0K0079	WZZ	1
Trichlorofluoromethane	< 2.00	4.00		ug/L	0.503	2.00	11/02/20 17:49	B0K0079	WZZ	1
Vinyl chloride	< 2.00	4.00		ug/L	0.582	2.00	11/02/20 17:49	B0K0079	WZZ	1
Xylenes, Total	< 6.00	12.0		ug/L	1.62	6.00	11/02/20 17:49	B0K0079	WZZ	1
<i>Surrogate: Dibromofluoromethane</i>				<i>Recovery: 98%</i>	<i>Limits: 84-137</i>		<i>11/02/20 17:49</i>	<i>B0K0079</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>				<i>Recovery: 98%</i>	<i>Limits: 74-140</i>		<i>11/02/20 17:49</i>	<i>B0K0079</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Fluorobenzene</i>				<i>Recovery: 101%</i>	<i>Limits: 90-105</i>		<i>11/02/20 17:49</i>	<i>B0K0079</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Toluene-d8</i>				<i>Recovery: 97%</i>	<i>Limits: 74-109</i>		<i>11/02/20 17:49</i>	<i>B0K0079</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 4-Bromofluorobenzene</i>				<i>Recovery: 108%</i>	<i>Limits: 86-128</i>		<i>11/02/20 17:49</i>	<i>B0K0079</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>				<i>Recovery: 94%</i>	<i>Limits: 90-128</i>		<i>11/02/20 17:49</i>	<i>B0K0079</i>	<i>WZZ</i>	<i>1</i>



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**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
**Work Order:** 20J0958

**Client Sample ID:** MW-11  
**Report Date:** 11/12/2020  
**Collection Date:** 10/29/2020 09:57  
**Matrix:** Groundwater  
**Lab ID:** 20J0958-05 (Continued)

Analyses	Result	EMT Reporting		Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Limit								
<b>Subcontracted Analyses</b>											
Method: SW8260-SIM Modified / SW5030											
1,4-Dioxane	< 0.200	0.500			ug/L	0.0625	0.200	11/03/20 11:49	B0K0078	CP1	1
Surrogate: Toluene-d8				Recovery: 99%		Limits: 80-120		11/03/20 11:49	B0K0078	CP1	1



**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
**Work Order:** 20J0958

**Client Sample ID:** Trip Blank  
**Report Date:** 11/12/2020  
**Collection Date:** 10/30/2020 00:00  
**Matrix:** Water  
**Lab ID:** 20J0958-06

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Volatile Organic Compounds by GC/MS</b>										
Method: SW8260B / SW5030										
1,1,1,2-Tetrachloroethane	< 2.00	4.00		ug/L	0.706	2.00	11/02/20 16:07	B0K0079	WZZ	1
1,1,1-Trichloroethane	< 2.00	4.00		ug/L	0.719	2.00	11/02/20 16:07	B0K0079	WZZ	1
1,1,2,2-Tetrachloroethane	< 2.00	4.00		ug/L	0.713	2.00	11/02/20 16:07	B0K0079	WZZ	1
1,1,2-Trichloroethane	< 0.600	2.00		ug/L	0.198	0.600	11/02/20 16:07	B0K0079	WZZ	1
1,1-Dichloroethane	< 2.00	4.00		ug/L	0.691	2.00	11/02/20 16:07	B0K0079	WZZ	1
1,1-Dichloroethene	< 4.00	8.00		ug/L	1.10	4.00	11/02/20 16:07	B0K0079	WZZ	1
1,1-Dichloropropene	< 1.00	2.00		ug/L	0.462	1.00	11/02/20 16:07	B0K0079	WZZ	1
1,2,3-Trichlorobenzene	< 0.600	2.00		ug/L	0.199	0.600	11/02/20 16:07	B0K0079	WZZ	1
1,2,3-Trichloropropane	< 2.00	4.00		ug/L	0.598	2.00	11/02/20 16:07	B0K0079	WZZ	1
1,2,4-Trimethylbenzene	< 2.00	4.00		ug/L	0.753	2.00	11/02/20 16:07	B0K0079	WZZ	1
1,2-Dibromo-3-chloropropane	< 4.00	8.00		ug/L	1.22	4.00	11/02/20 16:07	B0K0079	WZZ	1
1,2-Dibromoethane	< 1.00	2.00		ug/L	0.420	1.00	11/02/20 16:07	B0K0079	WZZ	1
1,2-Dichloroethane	< 2.00	4.00		ug/L	0.731	2.00	11/02/20 16:07	B0K0079	WZZ	1
1,2-Dichloropropane	< 2.00	4.00		ug/L	0.557	2.00	11/02/20 16:07	B0K0079	WZZ	1
1,3,5-Trimethylbenzene	< 1.00	2.00		ug/L	0.351	1.00	11/02/20 16:07	B0K0079	WZZ	1
1,3-Dichloropropane	< 1.00	2.00		ug/L	0.345	1.00	11/02/20 16:07	B0K0079	WZZ	1
2,2-Dichloropropane	< 4.00	8.00		ug/L	1.03	4.00	11/02/20 16:07	B0K0079	WZZ	1
2-Butanone	< 14.0	28.0		ug/L	4.79	14.0	11/02/20 16:07	B0K0079	WZZ	1
2-Chlorotoluene	< 1.00	2.00		ug/L	0.384	1.00	11/02/20 16:07	B0K0079	WZZ	1
2-Hexanone	< 14.0	28.0		ug/L	4.74	14.0	11/02/20 16:07	B0K0079	WZZ	1
4-Isopropyltoluene	< 2.00	4.00		ug/L	0.930	2.00	11/02/20 16:07	B0K0079	WZZ	1
4-Methyl-2-pentanone	< 14.0	28.0		ug/L	4.40	14.0	11/02/20 16:07	B0K0079	WZZ	1
Acetone	< 28.0	70.0	Q, S1	ug/L	9.21	28.0	11/02/20 16:07	B0K0079	WZZ	1
Benzene	< 1.00	2.00		ug/L	0.362	1.00	11/02/20 16:07	B0K0079	WZZ	1
Bromobenzene	< 1.00	2.00		ug/L	0.354	1.00	11/02/20 16:07	B0K0079	WZZ	1
Bromochloromethane	< 2.00	4.00		ug/L	0.861	2.00	11/02/20 16:07	B0K0079	WZZ	1
Bromodichloromethane	< 1.00	2.00		ug/L	0.458	1.00	11/02/20 16:07	B0K0079	WZZ	1
Bromoform	< 2.00	4.00		ug/L	0.570	2.00	11/02/20 16:07	B0K0079	WZZ	1
Bromomethane	< 4.00	8.00		ug/L	1.61	4.00	11/02/20 16:07	B0K0079	WZZ	1
Carbon disulfide	< 2.00	4.00		ug/L	0.739	2.00	11/02/20 16:07	B0K0079	WZZ	1
Carbon tetrachloride	< 2.00	4.00		ug/L	0.710	2.00	11/02/20 16:07	B0K0079	WZZ	1
Chlorobenzene	< 0.600	2.00		ug/L	0.170	0.600	11/02/20 16:07	B0K0079	WZZ	1
Chloroethane	< 2.00	4.00		ug/L	0.621	2.00	11/02/20 16:07	B0K0079	WZZ	1
Chloroform	< 4.00	8.00		ug/L	1.06	4.00	11/02/20 16:07	B0K0079	WZZ	1
Chloromethane	< 4.00	8.00		ug/L	1.30	4.00	11/02/20 16:07	B0K0079	WZZ	1
cis-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.652	2.00	11/02/20 16:07	B0K0079	WZZ	1
cis-1,3-Dichloropropene	< 2.00	4.00		ug/L	0.408	2.00	11/02/20 16:07	B0K0079	WZZ	1
Cyclohexane	< 1.00	2.00		ug/L	0.325	1.00	11/02/20 16:07	B0K0079	WZZ	1
Dibromochloromethane	< 2.00	4.00		ug/L	0.632	2.00	11/02/20 16:07	B0K0079	WZZ	1
Dibromomethane	< 1.00	2.00		ug/L	0.390	1.00	11/02/20 16:07	B0K0079	WZZ	1
Dichlorodifluoromethane	< 0.600	2.00		ug/L	0.186	0.600	11/02/20 16:07	B0K0079	WZZ	1
Ethylbenzene	< 1.00	2.00		ug/L	0.268	1.00	11/02/20 16:07	B0K0079	WZZ	1
Isopropylbenzene	< 1.00	2.00		ug/L	0.312	1.00	11/02/20 16:07	B0K0079	WZZ	1

**Client Sample Results**

(Continued)

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast  
**Work Order:** 20J0958

**Client Sample ID:** Trip Blank  
**Report Date:** 11/12/2020  
**Collection Date:** 10/30/2020 00:00  
**Matrix:** Water  
**Lab ID:** 20J0958-06 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
<b>Volatile Organic Compounds by GC/MS (Continued)</b>										
Method: SW8260B / SW5030 (Continued)										
m,p-Xylene	< 4.00	8.00		ug/L	1.58	4.00	11/02/20 16:07	B0K0079	WZZ	1
Methyl tert-butyl ether	< 2.00	4.00		ug/L	0.838	2.00	11/02/20 16:07	B0K0079	WZZ	1
Methylene chloride	< 4.00	8.00		ug/L	1.02	4.00	11/02/20 16:07	B0K0079	WZZ	1
n-Butylbenzene	< 1.00	2.00		ug/L	0.295	1.00	11/02/20 16:07	B0K0079	WZZ	1
n-Propylbenzene	< 1.00	2.00		ug/L	0.289	1.00	11/02/20 16:07	B0K0079	WZZ	1
o-Xylene	< 1.00	2.00		ug/L	0.324	1.00	11/02/20 16:07	B0K0079	WZZ	1
sec-Butylbenzene	< 0.600	2.00		ug/L	0.223	0.600	11/02/20 16:07	B0K0079	WZZ	1
Styrene	< 4.00	8.00		ug/L	1.17	4.00	11/02/20 16:07	B0K0079	WZZ	1
tert-Butylbenzene	< 2.00	4.00		ug/L	0.800	2.00	11/02/20 16:07	B0K0079	WZZ	1
Tetrachloroethene	< 2.00	4.00		ug/L	0.646	2.00	11/02/20 16:07	B0K0079	WZZ	1
Toluene	< 2.00	4.00		ug/L	0.510	2.00	11/02/20 16:07	B0K0079	WZZ	1
trans-1,2-Dichloroethene	< 2.00	4.00		ug/L	0.566	2.00	11/02/20 16:07	B0K0079	WZZ	1
trans-1,3-Dichloropropene	< 4.00	8.00		ug/L	1.17	4.00	11/02/20 16:07	B0K0079	WZZ	1
Trichloroethene	< 2.00	4.00		ug/L	0.939	2.00	11/02/20 16:07	B0K0079	WZZ	1
Trichlorofluoromethane	< 2.00	4.00		ug/L	0.503	2.00	11/02/20 16:07	B0K0079	WZZ	1
Vinyl chloride	< 2.00	4.00		ug/L	0.582	2.00	11/02/20 16:07	B0K0079	WZZ	1
Xylenes, Total	< 6.00	12.0		ug/L	1.62	6.00	11/02/20 16:07	B0K0079	WZZ	1
<i>Surrogate: Dibromofluoromethane</i>				<i>Recovery: 99%</i>	<i>Limits: 84-137</i>		<i>11/02/20 16:07</i>	<i>B0K0079</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>				<i>Recovery: 101%</i>	<i>Limits: 74-140</i>		<i>11/02/20 16:07</i>	<i>B0K0079</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Fluorobenzene</i>				<i>Recovery: 99%</i>	<i>Limits: 90-105</i>		<i>11/02/20 16:07</i>	<i>B0K0079</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: Toluene-d8</i>				<i>Recovery: 92%</i>	<i>Limits: 74-109</i>		<i>11/02/20 16:07</i>	<i>B0K0079</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 4-Bromofluorobenzene</i>				<i>Recovery: 115%</i>	<i>Limits: 86-128</i>		<i>11/02/20 16:07</i>	<i>B0K0079</i>	<i>WZZ</i>	<i>1</i>
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>				<i>Recovery: 95%</i>	<i>Limits: 90-128</i>		<i>11/02/20 16:07</i>	<i>B0K0079</i>	<i>WZZ</i>	<i>1</i>

## Dates Report

**Client:** Geosyntec Consultants

**Report Date:** 11/12/2020

**Project:** Milw Die Cast

**Work Order:** 20J0958

Sample ID	Client Sample ID	Collection	Matrix	Test Name	Leached Prep Date	Prep Date	Analysis Date	Batch ID	Sequence
20J0958-01	MW-5	10/29/20	Groundwater	Polychlorinated Biphenyls by GC/ECD		11/02/20 10:50	11/09/20 18:42	B0K0016	S0K0142
				Volatile Organic Compounds by GC/MS-SIM		11/03/20 07:00	11/03/20 11:00	B0K0078	S0K0031
				Volatile Organic Compounds by GC/MS		11/02/20 12:30	11/02/20 16:58	B0K0079	S0K0036
				Carbon, Organic Total (TOC)		11/03/20 14:39	11/03/20 23:37	B0K0081	S0K0032
				Semivolatile Organic Compounds by GC/MS		11/04/20 09:28	11/05/20 13:03	B0K0092	S0K0067
20J0958-02	MW-5 (F)			Polychlorinated Biphenyls by GC/ECD		11/02/20 10:50	11/09/20 18:08	B0K0016	S0K0142
20J0958-03	MW-10	10/29/20		Polychlorinated Biphenyls by GC/ECD		11/02/20 10:50	11/09/20 18:25		
				Volatile Organic Compounds by GC/MS-SIM		11/03/20 07:00	11/03/20 11:24	B0K0078	S0K0031
				Volatile Organic Compounds by GC/MS		11/02/20 12:30	11/02/20 17:24	B0K0079	S0K0036
20J0958-04	MW-10 (F)			Polychlorinated Biphenyls by GC/ECD		11/02/20 10:50	11/09/20 18:42	B0K0016	S0K0142
20J0958-05	MW-11	10/29/20		Polychlorinated Biphenyls by GC/ECD		11/02/20 10:50	11/09/20 18:59		
				Volatile Organic Compounds by GC/MS-SIM		11/03/20 07:00	11/03/20 11:49	B0K0078	S0K0031
				Volatile Organic Compounds by GC/MS		11/02/20 12:30	11/02/20 17:49	B0K0079	S0K0036
20J0958-06	Trip Blank	10/30/20	Water	Volatile Organic Compounds by GC/MS		11/02/20 12:30	11/02/20 16:07		

### Quality Control

**Client:** Geosyntec Consultants  
**Project:** Milw Die Cast

**Report Date:** 11/12/2020  
**Matrix:** Water

**Work Order:** 20J0958

### Wet Chemistry

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
<b>Batch: B0K0081</b>											
<b>Blank (B0K0081-BLK1)</b> <i>Prepared: 11/03/2020 14:39 Analyzed: 11/03/2020 17:14</i>											
Organic Carbon, Total	0.457	1.00	mg/L							J	1
<b>Blank (B0K0081-BLK4)</b> <i>Prepared: 11/03/2020 14:39 Analyzed: 11/04/2020 00:23</i>											
Organic Carbon, Total	0.513	1.00	mg/L							J	1
<b>LCS (B0K0081-BS1)</b> <i>Prepared: 11/03/2020 14:39 Analyzed: 11/03/2020 18:32</i>											
Organic Carbon, Total	9.15	1.00	mg/L	10.00		91.5	90-110				1
<b>LCS (B0K0081-BS3)</b> <i>Prepared: 11/03/2020 14:39 Analyzed: 11/04/2020 01:17</i>											
Organic Carbon, Total	9.00	1.00	mg/L	10.00		90.0	90-110				1
<b>MRL Check (B0K0081-MRL1)</b> <i>Prepared: 11/03/2020 14:39 Analyzed: 11/03/2020 18:01</i>											
Organic Carbon, Total	1.32	1.00	mg/L	1.000		132	50-150				1
<b>Matrix Spike (B0K0081-MS1)</b> <b>Source: 20K0209-05</b> <i>Prepared: 11/03/2020 14:39 Analyzed: 11/03/2020 22:39</i>											
Organic Carbon, Total	49.9	5.00	mg/L	50.00	ND	99.9	80-120				5
<b>Matrix Spike Dup (B0K0081-MSD1)</b> <b>Source: 20K0209-05</b> <i>Prepared: 11/03/2020 14:39 Analyzed: 11/03/2020 23:11</i>											
Organic Carbon, Total	53.8	5.00	mg/L	50.00	ND	108	80-120	7.53	15		5

**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 11/12/2020**Project:** Milw Die Cast**Matrix:** Water**Work Order:** 20J0958**Polychlorinated Biphenyls (PCBs) by GC/ECD**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B0K0016 - SW3510****Blank (B0K0016-BLK1)**

Prepared: 11/02/2020 10:50 Analyzed: 11/09/2020 18:08

Aroclor 1016	< 0.212	1.00	ug/L								1
Aroclor 1016 [2C]	< 0.212	1.00	ug/L								1
Aroclor 1221	< 0.192	0.600	ug/L								1
Aroclor 1221 [2C]	< 0.192	0.600	ug/L								1
Aroclor 1232	< 0.162	0.600	ug/L								1
Aroclor 1232 [2C]	< 0.162	0.600	ug/L								1
Aroclor 1242	< 0.350	2.00	ug/L								1
Aroclor 1242 [2C]	< 0.350	2.00	ug/L								1
Aroclor 1248	< 0.160	0.600	ug/L								1
Aroclor 1248 [2C]	< 0.160	0.600	ug/L								1
Aroclor 1254	< 0.176	0.600	ug/L								1
Aroclor 1254 [2C]	< 0.176	0.600	ug/L								1
Aroclor 1260	< 0.112	0.400	ug/L								1
Aroclor 1260 [2C]	< 0.112	0.400	ug/L								1
Total PCB	< 0.192	0.600	ug/L								1
Total PCB [2C]	< 0.192	0.600	ug/L								1
Surrogate: Decachlorobiphenyl	0.195		ug/L	0.2000		97	10-139				1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene	0.143		ug/L	0.2000		72	26-107				1

**LCS (B0K0016-BS1)**

Prepared: 11/02/2020 10:50 Analyzed: 11/09/2020 18:25

Aroclor 1016	0.327	1.00	ug/L	0.4000		82	50-106			J	1
Aroclor 1260	0.373	0.400	ug/L	0.4000		93	60-125			J	1
Surrogate: Decachlorobiphenyl	0.141		ug/L	0.2000		71	10-139				1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene	0.125		ug/L	0.2000		63	26-107				1

**Matrix Spike (B0K0016-MS1)**

Source: 20J0958-01

Prepared: 11/02/2020 10:50 Analyzed: 11/09/2020 18:59

Aroclor 1016	5.56	17.6	ug/L	7.030	ND	79	16-142			J	1
Aroclor 1260	6.60	7.03	ug/L	7.030	ND	94	53-112			J	1
Surrogate: Decachlorobiphenyl	3.03		ug/L	3.515		86	10-139				1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene	2.19		ug/L	3.515		62	26-107				1

**Matrix Spike Dup (B0K0016-MSD1)**

Source: 20J0958-01

Prepared: 11/02/2020 10:50 Analyzed: 11/09/2020 19:16

Aroclor 1016	5.36	17.5	ug/L	7.005	ND	77	16-142	4	20	J	1
Aroclor 1260	6.18	7.01	ug/L	7.005	ND	88	53-112	7	23	J	1
Surrogate: Decachlorobiphenyl	2.99		ug/L	3.503		85	10-139				1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene	2.15		ug/L	3.503		61	26-107				1



**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 11/12/2020**Project:** Milw Die Cast**Matrix:** Water**Work Order:** 20J0958**Volatile Organic Compounds by GC/MS**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B0K0079 - SW5030****Blank (B0K0079-BLK1)**

Prepared: 11/02/2020 12:30 Analyzed: 11/02/2020 15:42

1,1,1,2-Tetrachloroethane	< 4.00	4.00	ug/L								1
1,1,1-Trichloroethane	< 4.00	4.00	ug/L								1
1,1,2,2-Tetrachloroethane	< 4.00	4.00	ug/L								1
1,1,2-Trichloroethane	< 2.00	2.00	ug/L								1
1,1-Dichloroethane	< 4.00	4.00	ug/L								1
1,1-Dichloroethene	< 8.00	8.00	ug/L								1
1,1-Dichloropropene	< 2.00	2.00	ug/L								1
1,2,3-Trichlorobenzene	< 2.00	2.00	ug/L								1
1,2,3-Trichloropropane	< 4.00	4.00	ug/L								1
1,2,4-Trimethylbenzene	< 4.00	4.00	ug/L								1
1,2-Dibromo-3-chloropropane	< 8.00	8.00	ug/L								1
1,2-Dibromoethane	< 2.00	2.00	ug/L								1
1,2-Dichloroethane	< 4.00	4.00	ug/L								1
1,2-Dichloropropane	< 4.00	4.00	ug/L								1
1,3,5-Trimethylbenzene	< 2.00	2.00	ug/L								1
1,3-Dichloropropane	< 2.00	2.00	ug/L								1
2,2-Dichloropropane	< 8.00	8.00	ug/L								1
2-Butanone	< 28.0	28.0	ug/L								1
2-Chlorotoluene	< 2.00	2.00	ug/L								1
2-Hexanone	< 28.0	28.0	ug/L								1
4-Isopropyltoluene	< 4.00	4.00	ug/L								1
4-Methyl-2-pentanone	< 28.0	28.0	ug/L								1
Acetone	< 70.0	70.0	ug/L								1
Benzene	< 2.00	2.00	ug/L								1
Bromobenzene	< 2.00	2.00	ug/L								1
Bromochloromethane	< 4.00	4.00	ug/L								1
Bromodichloromethane	< 2.00	2.00	ug/L								1
Bromoform	< 4.00	4.00	ug/L								1
Bromomethane	< 8.00	8.00	ug/L								1
Carbon disulfide	< 4.00	4.00	ug/L								1
Carbon tetrachloride	< 4.00	4.00	ug/L								1
Chlorobenzene	< 2.00	2.00	ug/L								1
Chloroethane	< 4.00	4.00	ug/L								1
Chloroform	< 8.00	8.00	ug/L								1
Chloromethane	< 8.00	8.00	ug/L								1
cis-1,2-Dichloroethene	< 4.00	4.00	ug/L								1
cis-1,3-Dichloropropene	< 4.00	4.00	ug/L								1
Cyclohexane	< 2.00	2.00	ug/L								1
Dibromochloromethane	< 4.00	4.00	ug/L								1
Dibromomethane	< 2.00	2.00	ug/L								1
Dichlorodifluoromethane	< 2.00	2.00	ug/L								1
Ethylbenzene	< 2.00	2.00	ug/L								1

**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 11/12/2020**Project:** Milw Die Cast**Matrix:** Water**Work Order:** 20J0958**Volatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B0K0079 - SW5030 (Continued)****Blank (B0K0079-BLK1) (Continued)**

Prepared: 11/02/2020 12:30 Analyzed: 11/02/2020 15:42

Isopropylbenzene	< 2.00	2.00	ug/L								1
m,p-Xylene	< 8.00	8.00	ug/L								1
Methyl tert-butyl ether	< 4.00	4.00	ug/L								1
Methylene chloride	< 8.00	8.00	ug/L								1
n-Butylbenzene	< 2.00	2.00	ug/L								1
n-Propylbenzene	< 2.00	2.00	ug/L								1
o-Xylene	< 2.00	2.00	ug/L								1
sec-Butylbenzene	< 2.00	2.00	ug/L								1
Styrene	< 8.00	8.00	ug/L								1
tert-Butylbenzene	< 4.00	4.00	ug/L								1
Tetrachloroethene	< 4.00	4.00	ug/L								1
Toluene	< 4.00	4.00	ug/L								1
trans-1,2-Dichloroethene	< 4.00	4.00	ug/L								1
trans-1,3-Dichloropropene	< 8.00	8.00	ug/L								1
Trichloroethene	< 4.00	4.00	ug/L								1
Trichlorofluoromethane	< 4.00	4.00	ug/L								1
Vinyl chloride	< 4.00	4.00	ug/L								1
Xylenes, Total	< 12.0	12.0	ug/L								1
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Surrogate: Dibromofluoromethane	20.0		ug/L	20.00		100	84-137				1
Surrogate: 1,2-Dichloroethane-d4	19.7		ug/L	20.00		98	74-140				1
Surrogate: Fluorobenzene	19.5		ug/L	20.00		98	90-105				1
Surrogate: Toluene-d8	19.0		ug/L	20.00		95	74-109				1
Surrogate: 4-Bromofluorobenzene	10.8		ug/L	10.00		108	86-128				1
Surrogate: 1,2-Dichlorobenzene-d4	18.2		ug/L	20.00		91	90-128				1

**LCS (B0K0079-BS1)**

Prepared: 11/02/2020 12:30 Analyzed: 11/02/2020 14:08

1,1,1,2-Tetrachloroethane	48.5	4.00	ug/L	50.00		97	84-122				1
1,1,1-Trichloroethane	50.9	4.00	ug/L	50.00		102	74-131				1
1,1,2,2-Tetrachloroethane	47.8	4.00	ug/L	50.00		96	71-121				1
1,1,2-Trichloroethane	49.4	2.00	ug/L	50.00		99	83-139				1
1,1-Dichloroethane	47.8	4.00	ug/L	50.00		96	77-125				1
1,1-Dichloroethene	41.0	8.00	ug/L	50.00		82	71-131				1
1,1-Dichloropropene	51.3	2.00	ug/L	50.00		103	79-125				1
1,2,3-Trichlorobenzene	45.1	2.00	ug/L	50.00		90	69-129				1
1,2,3-Trichloropropane	50.5	4.00	ug/L	50.00		101	73-122				1
1,2,4-Trimethylbenzene	52.0	4.00	ug/L	50.00		104	76-124				1
1,2-Dibromo-3-chloropropane	42.5	8.00	ug/L	50.00		85	72-124				1
1,2-Dibromoethane	49.1	2.00	ug/L	50.00		98	77-121				1
1,2-Dichloroethane	47.9	4.00	ug/L	50.00		96	73-128				1
1,2-Dichloropropane	49.9	4.00	ug/L	50.00		100	78-122				1
1,3,5-Trimethylbenzene	51.1	2.00	ug/L	50.00		102	75-124				1
1,3-Dichloropropane	49.0	2.00	ug/L	50.00		98	82-130				1

**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 11/12/2020**Project:** Milw Die Cast**Matrix:** Water**Work Order:** 20J0958**Volatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B0K0079 - SW5030** (Continued)**LCS (B0K0079-BS1)** (Continued)

Prepared: 11/02/2020 12:30 Analyzed: 11/02/2020 14:08

2,2-Dichloropropane	51.7	8.00	ug/L	50.00		103	60-139				1
2-Butanone	147	28.0	ug/L	175.0		84	71-119				1
2-Chlorotoluene	54.0	2.00	ug/L	50.00		108	79-122				1
2-Hexanone	153	28.0	ug/L	175.0		88	57-139				1
4-Isopropyltoluene	53.5	4.00	ug/L	50.00		107	77-127				1
4-Methyl-2-pentanone	153	28.0	ug/L	175.0		88	67-130				1
Acetone	178	70.0	ug/L	175.0		102	39-160				1
Benzene	50.0	2.00	ug/L	50.00		100	79-120				1
Bromobenzene	50.6	2.00	ug/L	50.00		101	80-132				1
Bromochloromethane	46.9	4.00	ug/L	50.00		94	78-123				1
Bromodichloromethane	48.7	2.00	ug/L	50.00		97	84-139				1
Bromoform	49.3	4.00	ug/L	50.00		99	66-130				1
Bromomethane	46.7	8.00	ug/L	50.00		93	56-150				1
Carbon disulfide	49.0	4.00	ug/L	50.00		98	80-124				1
Carbon tetrachloride	52.3	4.00	ug/L	50.00		105	75-125				1
Chlorobenzene	50.3	2.00	ug/L	50.00		101	82-118				1
Chloroethane	56.0	4.00	ug/L	50.00		112	60-138				1
Chloroform	49.2	8.00	ug/L	50.00		98	79-124				1
Chloromethane	45.4	8.00	ug/L	50.00		91	50-139				1
cis-1,2-Dichloroethene	48.1	4.00	ug/L	50.00		96	78-123				1
cis-1,3-Dichloropropene	53.8	4.00	ug/L	50.00		108	75-124				1
Cyclohexane	50.7	2.00	ug/L	50.00		101	71-130				1
Dibromochloromethane	50.6	4.00	ug/L	50.00		101	83-140				1
Dibromomethane	49.0	2.00	ug/L	50.00		98	79-138				1
Dichlorodifluoromethane	51.1	2.00	ug/L	50.00		102	66-150				1
Ethylbenzene	50.0	2.00	ug/L	50.00		100	79-137				1
Isopropylbenzene	53.1	2.00	ug/L	50.00		106	72-131				1
m,p-Xylene	99.5	8.00	ug/L	100.0		100	80-136				1
Methyl tert-butyl ether	47.6	4.00	ug/L	50.00		95	71-124				1
Methylene chloride	49.3	8.00	ug/L	50.00		99	74-124				1
n-Butylbenzene	48.1	2.00	ug/L	50.00		96	75-128				1
n-Propylbenzene	51.5	2.00	ug/L	50.00		103	76-126				1
o-Xylene	47.1	2.00	ug/L	50.00		94	78-122				1
sec-Butylbenzene	50.8	2.00	ug/L	50.00		102	77-126				1
Styrene	50.7	8.00	ug/L	50.00		101	78-123				1
tert-Butylbenzene	50.4	4.00	ug/L	50.00		101	78-124				1
Tetrachloroethene	50.0	4.00	ug/L	50.00		100	74-129				1
Toluene	47.3	4.00	ug/L	50.00		95	80-133				1
trans-1,2-Dichloroethene	48.3	4.00	ug/L	50.00		97	75-124				1
trans-1,3-Dichloropropene	51.2	8.00	ug/L	50.00		102	73-127				1
Trichloroethene	51.3	4.00	ug/L	50.00		103	84-129				1
Trichlorofluoromethane	52.9	4.00	ug/L	50.00		106	73-134				1

**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 11/12/2020**Project:** Milw Die Cast**Matrix:** Water**Work Order:** 20J0958**Volatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B0K0079 - SW5030 (Continued)****LCS (B0K0079-BS1) (Continued)**

Prepared: 11/02/2020 12:30 Analyzed: 11/02/2020 14:08

Vinyl chloride	51.1	4.00	ug/L	50.00		102	58-137				1
Xylenes, Total	147	12.0	ug/L	150.0		98	80-132				1
Surrogate: Dibromofluoromethane	20.2		ug/L	20.00		101	84-137				1
Surrogate: 1,2-Dichloroethane-d4	19.9		ug/L	20.00		99	74-140				1
Surrogate: Fluorobenzene	19.6		ug/L	20.00		98	90-105				1
Surrogate: Toluene-d8	18.8		ug/L	20.00		94	74-109				1
Surrogate: 4-Bromofluorobenzene	10.4		ug/L	10.00		104	86-128				1
Surrogate: 1,2-Dichlorobenzene-d4	18.0		ug/L	20.00		90	90-128				1

**LCS Dup (B0K0079-BSD1)**

Prepared: 11/02/2020 12:30 Analyzed: 11/02/2020 14:34

1,1,1,2-Tetrachloroethane	50.9	4.00	ug/L	50.00		102	84-122	5	20		1
1,1,1-Trichloroethane	50.6	4.00	ug/L	50.00		101	74-131	0.6	20		1
1,1,2,2-Tetrachloroethane	53.8	4.00	ug/L	50.00		108	71-121	12	20		1
1,1,2-Trichloroethane	52.9	2.00	ug/L	50.00		106	83-139	7	20		1
1,1-Dichloroethane	48.3	4.00	ug/L	50.00		97	77-125	1	20		1
1,1-Dichloroethene	60.4	8.00	ug/L	50.00		121	71-131	38	20	P	1
1,1-Dichloropropene	52.4	2.00	ug/L	50.00		105	79-125	2	20		1
1,2,3-Trichlorobenzene	46.7	2.00	ug/L	50.00		93	69-129	4	20		1
1,2,3-Trichloropropane	56.5	4.00	ug/L	50.00		113	73-122	11	20		1
1,2,4-Trimethylbenzene	52.2	4.00	ug/L	50.00		104	76-124	0.2	20		1
1,2-Dibromo-3-chloropropane	47.9	8.00	ug/L	50.00		96	72-124	12	20		1
1,2-Dibromoethane	52.6	2.00	ug/L	50.00		105	77-121	7	20		1
1,2-Dichloroethane	49.8	4.00	ug/L	50.00		100	73-128	4	20		1
1,2-Dichloropropane	50.1	4.00	ug/L	50.00		100	78-122	0.4	20		1
1,3,5-Trimethylbenzene	52.5	2.00	ug/L	50.00		105	75-124	3	20		1
1,3-Dichloropropane	52.1	2.00	ug/L	50.00		104	82-130	6	20		1
2,2-Dichloropropane	52.5	8.00	ug/L	50.00		105	60-139	1	20		1
2-Butanone	174	28.0	ug/L	175.0		99	71-119	17	20		1
2-Chlorotoluene	54.3	2.00	ug/L	50.00		109	79-122	0.6	20		1
2-Hexanone	190	28.0	ug/L	175.0		109	57-139	21	20	P	1
4-Isopropyltoluene	54.0	4.00	ug/L	50.00		108	77-127	1	20		1
4-Methyl-2-pentanone	181	28.0	ug/L	175.0		103	67-130	16	20		1
Acetone	197	70.0	ug/L	175.0		113	39-160	10	20		1
Benzene	53.3	2.00	ug/L	50.00		107	79-120	7	20		1
Bromobenzene	51.5	2.00	ug/L	50.00		103	80-132	2	20		1
Bromochloromethane	49.2	4.00	ug/L	50.00		98	78-123	5	20		1
Bromodichloromethane	49.6	2.00	ug/L	50.00		99	84-139	2	20		1
Bromoform	53.8	4.00	ug/L	50.00		108	66-130	9	20		1
Bromomethane	53.2	8.00	ug/L	50.00		106	56-150	13	20		1
Carbon disulfide	49.4	4.00	ug/L	50.00		99	80-124	0.9	20		1
Carbon tetrachloride	52.9	4.00	ug/L	50.00		106	75-125	1	20		1
Chlorobenzene	52.0	2.00	ug/L	50.00		104	82-118	3	20		1

**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 11/12/2020**Project:** Milw Die Cast**Matrix:** Water**Work Order:** 20J0958**Volatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B0K0079 - SW5030** (Continued)**LCS Dup (B0K0079-BSD1)** (Continued)

Prepared: 11/02/2020 12:30 Analyzed: 11/02/2020 14:34

Chloroethane	50.5	4.00	ug/L	50.00		101	60-138	10	20		1
Chloroform	50.9	8.00	ug/L	50.00		102	79-124	3	20		1
Chloromethane	50.1	8.00	ug/L	50.00		100	50-139	10	20		1
cis-1,2-Dichloroethene	48.8	4.00	ug/L	50.00		98	78-123	1	20		1
cis-1,3-Dichloropropene	54.6	4.00	ug/L	50.00		109	75-124	2	20		1
Cyclohexane	51.9	2.00	ug/L	50.00		104	71-130	2	20		1
Dibromochloromethane	54.5	4.00	ug/L	50.00		109	83-140	7	20		1
Dibromomethane	50.4	2.00	ug/L	50.00		101	79-138	3	20		1
Dichlorodifluoromethane	50.2	2.00	ug/L	50.00		100	66-150	2	20		1
Ethylbenzene	52.1	2.00	ug/L	50.00		104	79-137	4	20		1
Isopropylbenzene	54.3	2.00	ug/L	50.00		109	72-131	2	20		1
m,p-Xylene	103	8.00	ug/L	100.0		103	80-136	3	20		1
Methyl tert-butyl ether	50.5	4.00	ug/L	50.00		101	71-124	6	20		1
Methylene chloride	50.4	8.00	ug/L	50.00		101	74-124	2	20		1
n-Butylbenzene	47.6	2.00	ug/L	50.00		95	75-128	1	20		1
n-Propylbenzene	51.2	2.00	ug/L	50.00		102	76-126	0.6	20		1
o-Xylene	49.0	2.00	ug/L	50.00		98	78-122	4	20		1
sec-Butylbenzene	50.4	2.00	ug/L	50.00		101	77-126	0.7	20		1
Styrene	51.3	8.00	ug/L	50.00		103	78-123	1	20		1
tert-Butylbenzene	49.9	4.00	ug/L	50.00		100	78-124	1	20		1
Tetrachloroethene	49.4	4.00	ug/L	50.00		99	74-129	1	20		1
Toluene	49.4	4.00	ug/L	50.00		99	80-133	4	20		1
trans-1,2-Dichloroethene	49.2	4.00	ug/L	50.00		98	75-124	2	20		1
trans-1,3-Dichloropropene	51.6	8.00	ug/L	50.00		103	73-127	0.8	20		1
Trichloroethene	51.9	4.00	ug/L	50.00		104	84-129	1	20		1
Trichlorofluoromethane	54.2	4.00	ug/L	50.00		108	73-134	3	20		1
Vinyl chloride	52.6	4.00	ug/L	50.00		105	58-137	3	20		1
Xylenes, Total	152	12.0	ug/L	150.0		101	80-132	3	20		1
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Surrogate: Dibromofluoromethane	19.3		ug/L	20.00		97	84-137				1
Surrogate: 1,2-Dichloroethane-d4	20.3		ug/L	20.00		102	74-140				1
Surrogate: Fluorobenzene	19.8		ug/L	20.00		99	90-105				1
Surrogate: Toluene-d8	19.4		ug/L	20.00		97	74-109				1
Surrogate: 4-Bromofluorobenzene	10.2		ug/L	10.00		102	86-128				1
Surrogate: 1,2-Dichlorobenzene-d4	17.4		ug/L	20.00		87	90-128			S2	1



**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 11/12/2020**Project:** Milw Die Cast**Matrix:** Water**Work Order:** 20J0958**Semivolatile Organic Compounds by GC/MS**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B0K0092 - SW3510****Blank (B0K0092-BLK1)**

Prepared: 11/04/2020 09:28 Analyzed: 11/05/2020 07:26

1,4-Dioxane	< 0.211	1.00	ug/L								1
1,2,4-Trichlorobenzene	< 0.280	2.00	ug/L								1
1,2-Dichlorobenzene	< 0.300	2.00	ug/L								1
1,3-Dichlorobenzene	< 0.310	2.00	ug/L								1
1,4-Dichlorobenzene	< 0.280	2.00	ug/L								1
2,4,5-Trichlorophenol	< 0.129	1.00	ug/L								1
2,4,6-Trichlorophenol	< 0.244	1.00	ug/L								1
2,4-Dichlorophenol	< 0.0788	1.00	ug/L								1
2,4-Dimethylphenol	< 0.117	2.00	ug/L								1
2,4-Dinitrophenol	< 3.31	30.0	ug/L								1
2,4-Dinitrotoluene	< 0.252	2.00	ug/L								1
2,6-Dichlorophenol	< 0.146	1.00	ug/L								1
2,6-Dinitrotoluene	< 0.230	1.00	ug/L								1
2-Chloronaphthalene	< 0.106	0.600	ug/L								1
2-Chlorophenol	< 0.153	1.00	ug/L								1
2-Methylnaphthalene	< 0.640	4.00	ug/L								1
2-Methylphenol	< 0.183	1.00	ug/L								1
2-Nitroaniline	< 2.56	30.0	ug/L								1
2-Nitrophenol	< 0.209	1.00	ug/L								1
3,3'-Dichlorobenzidine	< 3.16	20.0	ug/L								1
3 & 4-Methylphenol	< 0.179	1.00	ug/L								1
3-Nitroaniline	< 0.360	2.00	ug/L								1
4,6-Dinitro-2-methylphenol	< 2.45	15.0	ug/L								1
4-Bromophenyl-phenylether	< 0.160	1.00	ug/L								1
4-Chloro-3-methylphenol	< 0.0713	0.500	ug/L								1
4-Chloroaniline	< 0.107	0.600	ug/L								1
4-Chlorophenyl-phenylether	< 0.146	1.00	ug/L								1
4-Nitroaniline	< 3.77	30.0	ug/L								1
4-Nitrophenol	< 1.44	15.0	ug/L								1
Acenaphthene	< 0.104	0.600	ug/L								1
Acenaphthylene	< 0.130	0.600	ug/L								1
Anthracene	< 0.112	0.600	ug/L								1
Azobenzene as 1,2-Diphenylhydrazine	< 0.0767	1.00	ug/L								1
Benzidine	< 16.6	80.0	ug/L								1
Benzo(a)anthracene	< 0.123	0.600	ug/L								1
Benzo(a)pyrene	< 0.376	2.00	ug/L								1
Benzo(b)fluoranthene	< 0.372	2.00	ug/L								1
Benzo(g,h,i)perylene	< 0.399	2.00	ug/L								1
Benzo(k)fluoranthene	< 0.249	2.00	ug/L								1
Benzoic acid	< 11.7	40.0	ug/L								1
Benzyl alcohol	< 0.550	4.00	ug/L								1
Bis(2-chloroethoxy)methane	< 0.135	1.00	ug/L								1

**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 11/12/2020**Project:** Milw Die Cast**Matrix:** Water**Work Order:** 20J0958**Semivolatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B0K0092 - SW3510 (Continued)****Blank (B0K0092-BLK1) (Continued)**

Prepared: 11/04/2020 09:28 Analyzed: 11/05/2020 07:26

Bis(2-chloroethyl)ether	< 0.176	1.00	ug/L								1
Bis(2-chloroisopropyl)ether	< 0.128	1.00	ug/L								1
Bis(2-ethylhexyl)phthalate	< 3.63	20.0	ug/L								1
Butyl benzyl phthalate	< 0.234	1.00	ug/L								1
Carbazole	< 0.173	1.00	ug/L								1
Chrysene	< 0.127	0.600	ug/L								1
Dibenzo(a,h)anthracene	< 0.442	2.00	ug/L								1
Dibenzofuran	< 0.123	0.600	ug/L								1
Diethyl phthalate	< 1.16	6.00	ug/L								1
Dimethyl phthalate	< 0.0883	0.600	ug/L								1
Di-n-butyl phthalate	< 2.88	10.0	ug/L								1
Di-n-octyl phthalate	< 1.89	10.0	ug/L								1
Fluoranthene	< 0.196	1.00	ug/L								1
Fluorene	< 0.124	0.600	ug/L								1
Hexachlorobenzene	< 0.165	1.00	ug/L								1
Hexachlorobutadiene	< 0.250	1.00	ug/L								1
Hexachlorocyclopentadiene	< 2.19	15.0	ug/L								1
Hexachloroethane	< 0.220	1.00	ug/L								1
Indeno(1,2,3-cd)pyrene	< 0.502	2.00	ug/L								1
Isophorone	< 0.110	0.600	ug/L								1
Naphthalene	< 0.816	4.00	ug/L								1
Nitrobenzene	< 0.140	0.600	ug/L								1
N-Nitrosodimethylamine	< 0.156	1.00	ug/L								1
N-Nitrosodi-n-propylamine	< 0.319	2.00	ug/L								1
N-Nitrosodiphenylamine	< 0.104	0.600	ug/L								1
Pentachlorophenol	< 2.52	30.0	ug/L								1
Phenanthrene	< 0.206	1.00	ug/L								1
Phenol	< 0.171	1.00	ug/L								1
Pyrene	< 0.208	1.00	ug/L								1
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Surrogate: 2-Fluorophenol	31.7		ug/L	66.67		48	10-88				1
Surrogate: Phenol-d5	24.8		ug/L	66.67		37	10-65				1
Surrogate: Nitrobenzene-d5	43.4		ug/L	66.67		65	25-128				1
Surrogate: 2-Fluorobiphenyl	35.9		ug/L	66.67		54	24-114				1
Surrogate: 2,4,6-Tribromophenol	42.3		ug/L	66.67		63	15-119				1
Surrogate: 4-Terphenyl-d14	55.8		ug/L	66.67		84	29-129				1

**Blank (B0K0092-BLK2)**

Prepared: 11/05/2020 08:50 Analyzed: 11/05/2020 16:32

2,4,6-Trichlorophenol	< 0.122	0.500	ug/L								1
2,4-Dichlorophenol	< 0.0394	0.500	ug/L								1
2,6-Dichlorophenol	< 0.0728	0.500	ug/L								1
2-Chlorophenol	< 0.0767	0.500	ug/L								1
Phenol	< 0.0853	0.500	ug/L								1

**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 11/12/2020**Project:** Milw Die Cast**Matrix:** Water**Work Order:** 20J0958**Semivolatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B0K0092 - SW3510 (Continued)****Blank (B0K0092-BLK2) (Continued)**

Prepared: 11/05/2020 08:50 Analyzed: 11/05/2020 16:32

Surrogate: 2-Fluorophenol	16.7		ug/L	33.34		50	10-88				1
Surrogate: Phenol-d5	12.0		ug/L	33.34		36	10-65				1
Surrogate: 2,4,6-Tribromophenol	21.7		ug/L	33.34		65	15-119				1

**LCS (B0K0092-BS1)**

Prepared: 11/04/2020 09:28 Analyzed: 11/05/2020 08:43

1,4-Dioxane	34.5	1.00	ug/L	66.66		52	25-79				1
1,2,4-Trichlorobenzene	48.3	2.00	ug/L	66.66		72	35-101				1
1,2-Dichlorobenzene	42.1	2.00	ug/L	66.66		63	33-97				1
1,3-Dichlorobenzene	41.4	2.00	ug/L	66.66		62	32-96				1
1,4-Dichlorobenzene	41.9	2.00	ug/L	66.66		63	31-97				1
2,4,5-Trichlorophenol	58.7	1.00	ug/L	66.66		88	38-126				1
2,4,6-Trichlorophenol	57.2	1.00	ug/L	66.66		86	38-124				1
2,4-Dichlorophenol	55.4	1.00	ug/L	66.66		83	42-117				1
2,4-Dimethylphenol	48.4	2.00	ug/L	66.66		73	11-112				1
2,4-Dinitrophenol	58.4	30.0	ug/L	66.66		88	5-113				1
2,4-Dinitrotoluene	60.9	2.00	ug/L	66.66		91	39-124				1
2,6-Dichlorophenol	54.6	1.00	ug/L	66.66		82	41-113				1
2,6-Dinitrotoluene	61.5	1.00	ug/L	66.66		92	43-125				1
2-Chloronaphthalene	50.1	0.600	ug/L	66.66		75	38-113				1
2-Chlorophenol	50.5	1.00	ug/L	66.66		76	36-109				1
2-Methylnaphthalene	53.1	4.00	ug/L	66.66		80	42-112				1
2-Methylphenol	51.1	1.00	ug/L	66.66		77	34-105				1
2-Nitroaniline	58.9	30.0	ug/L	66.66		88	35-127				1
2-Nitrophenol	52.4	1.00	ug/L	66.66		79	37-118				1
3,3'-Dichlorobenzidine	77.2	20.0	ug/L	80.00		96	39-125				1
3 & 4-Methylphenol	48.6	1.00	ug/L	66.66		73	34-102				1
3-Nitroaniline	60.2	2.00	ug/L	66.66		90	39-122				1
4,6-Dinitro-2-methylphenol	58.6	15.0	ug/L	66.66		88	29-131				1
4-Bromophenyl-phenylether	59.6	1.00	ug/L	66.66		89	43-127				1
4-Chloro-3-methylphenol	58.2	0.500	ug/L	66.66		87	43-119				1
4-Chloroaniline	58.7	0.600	ug/L	66.66		88	40-116				1
4-Chlorophenyl-phenylether	59.7	1.00	ug/L	66.66		90	41-118				1
4-Nitroaniline	59.8	30.0	ug/L	66.66		90	41-128				1
4-Nitrophenol	31.8	15.0	ug/L	66.66		48	13-68				1
Acenaphthene	51.5	0.600	ug/L	66.66		77	40-115				1
Acenaphthylene	54.5	0.600	ug/L	66.66		82	38-116				1
Anthracene	57.2	0.600	ug/L	66.66		86	41-124				1
Azobenzene as 1,2-Diphenylhydrazine	53.2	1.00	ug/L	66.66		80	41-127				1
Benzidine	49.3	80.0	ug/L	80.00		62	15-122			J	1
Benzo(a)anthracene	59.0	0.600	ug/L	66.66		88	44-131				1
Benzo(a)pyrene	62.3	2.00	ug/L	66.66		93	46-131				1
Benzo(b)fluoranthene	61.4	2.00	ug/L	66.66		92	45-132				1

**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 11/12/2020**Project:** Milw Die Cast**Matrix:** Water**Work Order:** 20J0958**Semivolatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B0K0092 - SW3510** (Continued)**LCS (B0K0092-BS1)** (Continued)

Prepared: 11/04/2020 09:28 Analyzed: 11/05/2020 08:43

Benzo(g,h,i)perylene	62.0	2.00	ug/L	66.66		93	41-131				1
Benzo(k)fluoranthene	59.5	2.00	ug/L	66.66		89	47-132				1
Benzoic acid	37.9	40.0	ug/L	160.0		24	5-95			J	1
Benzyl alcohol	50.8	4.00	ug/L	66.66		76	43-107				1
Bis(2-chloroethoxy)methane	57.6	1.00	ug/L	66.66		86	40-114				1
Bis(2-chloroethyl)ether	50.1	1.00	ug/L	66.66		75	37-109				1
Bis(2-chloroisopropyl)ether	44.4	1.00	ug/L	66.66		67	34-112				1
Bis(2-ethylhexyl)phthalate	60.0	20.0	ug/L	66.66		90	40-135				1
Butyl benzyl phthalate	63.9	1.00	ug/L	66.66		96	38-133				1
Carbazole	58.3	1.00	ug/L	66.66		87	47-129				1
Chrysene	60.5	0.600	ug/L	66.66		91	44-125				1
Dibenzo(a,h)anthracene	61.6	2.00	ug/L	66.66		92	13-126				1
Dibenzofuran	55.3	0.600	ug/L	66.66		83	41-112				1
Diethyl phthalate	56.8	6.00	ug/L	66.66		85	43-125				1
Dimethyl phthalate	54.6	0.600	ug/L	66.66		82	43-117				1
Di-n-butyl phthalate	57.1	10.0	ug/L	66.66		86	43-132				1
Di-n-octyl phthalate	61.5	10.0	ug/L	66.66		92	36-133				1
Fluoranthene	57.6	1.00	ug/L	66.66		86	47-129				1
Fluorene	57.7	0.600	ug/L	66.66		87	43-116				1
Hexachlorobenzene	60.4	1.00	ug/L	66.66		91	44-112				1
Hexachlorobutadiene	44.4	1.00	ug/L	66.66		67	32-100				1
Hexachlorocyclopentadiene	41.7	15.0	ug/L	66.66		63	18-95				1
Hexachloroethane	41.0	1.00	ug/L	66.66		61	29-98				1
Indeno(1,2,3-cd)pyrene	62.1	2.00	ug/L	66.66		93	35-134				1
Isophorone	50.8	0.600	ug/L	66.66		76	39-113				1
Naphthalene	48.3	4.00	ug/L	66.66		72	33-109				1
Nitrobenzene	53.5	0.600	ug/L	66.66		80	42-111				1
N-Nitrosodimethylamine	40.8	1.00	ug/L	66.66		61	28-87				1
N-Nitrosodi-n-propylamine	53.5	2.00	ug/L	66.66		80	37-115				1
N-Nitrosodiphenylamine	55.8	0.600	ug/L	66.66		84	45-124				1
Pentachlorophenol	54.1	30.0	ug/L	66.66		81	29-120				1
Phenanthrene	57.1	1.00	ug/L	66.66		86	43-114				1
Phenol	33.1	1.00	ug/L	66.66		50	16-71				1
Pyrene	57.5	1.00	ug/L	66.66		86	43-128				1
Surrogate: 2-Fluorophenol	37.1		ug/L	66.67		56	10-88				1
Surrogate: Phenol-d5	27.6		ug/L	66.67		41	10-65				1
Surrogate: Nitrobenzene-d5	51.6		ug/L	66.67		77	25-128				1
Surrogate: 2-Fluorobiphenyl	48.1		ug/L	66.67		72	24-114				1
Surrogate: 2,4,6-Tribromophenol	54.8		ug/L	66.67		82	15-119				1
Surrogate: 4-Terphenyl-d14	57.4		ug/L	66.67		86	29-129				1

**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 11/12/2020**Project:** Milw Die Cast**Matrix:** Water**Work Order:** 20J0958**Semivolatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B0K0092 - SW3510** (Continued)**Matrix Spike (B0K0092-MS1)****Source: 20J0956-01**

Prepared: 11/04/2020 09:28 Analyzed: 11/05/2020 11:46

1,4-Dioxane	353	9.91	ug/L	660.7	ND	53	24-83				1
1,2,4-Trichlorobenzene	472	19.8	ug/L	660.7	ND	71	34-96				1
1,2-Dichlorobenzene	425	19.8	ug/L	660.7	ND	64	32-91				1
1,3-Dichlorobenzene	438	19.8	ug/L	660.7	ND	66	29-90				1
1,4-Dichlorobenzene	440	19.8	ug/L	660.7	ND	67	31-88				1
2,4,5-Trichlorophenol	564	9.91	ug/L	660.7	ND	85	54-120				1
2,4,6-Trichlorophenol	531	9.91	ug/L	660.7	ND	80	51-117				1
2,4-Dichlorophenol	538	9.91	ug/L	660.7	ND	81	33-134				1
2,4-Dimethylphenol	464	19.8	ug/L	660.7	ND	70	17-132				1
2,4-Dinitrophenol	546	297	ug/L	660.7	ND	83	1-123				1
2,4-Dinitrotoluene	551	19.8	ug/L	660.7	ND	83	49-124				1
2,6-Dichlorophenol	511	9.91	ug/L	660.7	ND	77	35-130				1
2,6-Dinitrotoluene	569	9.91	ug/L	660.7	ND	86	57-121				1
2-Chloronaphthalene	494	5.95	ug/L	660.7	ND	75	50-101				1
2-Chlorophenol	509	9.91	ug/L	660.7	ND	77	37-107				1
2-Methylnaphthalene	519	39.6	ug/L	660.7	ND	79	35-121				1
2-Methylphenol	498	9.91	ug/L	660.7	ND	75	32-107				1
2-Nitroaniline	547	297	ug/L	660.7	ND	83	45-123				1
2-Nitrophenol	525	9.91	ug/L	660.7	ND	79	38-120				1
3,3'-Dichlorobenzidine	693	198	ug/L	792.9	ND	87	33-137				1
3 & 4-Methylphenol	469	9.91	ug/L	660.7	ND	71	20-115				1
3-Nitroaniline	551	19.8	ug/L	660.7	ND	83	39-125				1
4,6-Dinitro-2-methylphenol	554	149	ug/L	660.7	ND	84	11-132				1
4-Bromophenyl-phenylether	572	9.91	ug/L	660.7	ND	87	56-116				1
4-Chloro-3-methylphenol	552	4.96	ug/L	660.7	ND	84	28-144				1
4-Chloroaniline	553	5.95	ug/L	660.7	ND	84	48-110				1
4-Chlorophenyl-phenylether	558	9.91	ug/L	660.7	ND	84	55-106				1
4-Nitroaniline	562	297	ug/L	660.7	ND	85	51-123				1
4-Nitrophenol	252	149	ug/L	660.7	ND	38	10-81				1
Acenaphthene	494	5.95	ug/L	660.7	ND	75	27-133				1
Acenaphthylene	524	5.95	ug/L	660.7	ND	79	47-113				1
Anthracene	551	5.95	ug/L	660.7	ND	83	61-115				1
Azobenzene as 1,2-Diphenylhydrazine	515	9.91	ug/L	660.7	ND	78	55-119				1
Benzidine	403	793	ug/L	792.9	ND	51	10-132			J	1
Benzo(a)anthracene	538	5.95	ug/L	660.7	ND	81	60-125				1
Benzo(a)pyrene	592	19.8	ug/L	660.7	ND	90	66-125				1
Benzo(b)fluoranthene	596	19.8	ug/L	660.7	ND	90	65-128				1
Benzo(g,h,i)perylene	566	19.8	ug/L	660.7	ND	86	62-123				1
Benzo(k)fluoranthene	543	19.8	ug/L	660.7	ND	82	64-122				1
Benzoic acid	483	396	ug/L	1586	ND	30	7-82				1
Benzyl alcohol	488	39.6	ug/L	660.7	ND	74	36-110				1
Bis(2-chloroethoxy)methane	550	9.91	ug/L	660.7	ND	83	44-112				1



**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 11/12/2020**Project:** Milw Die Cast**Matrix:** Water**Work Order:** 20J0958**Semivolatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B0K0092 - SW3510 (Continued)****Matrix Spike (B0K0092-MS1) (Continued)****Source: 20J0956-01**

Prepared: 11/04/2020 09:28 Analyzed: 11/05/2020 11:46

Bis(2-chloroethyl)ether	534	9.91	ug/L	660.7	ND	81	38-104				1
Bis(2-chloroisopropyl)ether	462	9.91	ug/L	660.7	ND	70	35-104				1
Bis(2-ethylhexyl)phthalate	556	198	ug/L	660.7	ND	84	52-139				1
Butyl benzyl phthalate	591	9.91	ug/L	660.7	ND	89	55-132				1
Carbazole	537	9.91	ug/L	660.7	ND	81	62-128				1
Chrysene	546	5.95	ug/L	660.7	ND	83	62-116				1
Dibenzo(a,h)anthracene	572	19.8	ug/L	660.7	ND	87	46-143				1
Dibenzofuran	538	5.95	ug/L	660.7	ND	81	53-110				1
Diethyl phthalate	532	59.5	ug/L	660.7	ND	81	58-117				1
Dimethyl phthalate	510	5.95	ug/L	660.7	ND	77	61-106				1
Di-n-butyl phthalate	545	99.1	ug/L	660.7	ND	82	60-132				1
Di-n-octyl phthalate	601	99.1	ug/L	660.7	ND	91	48-135				1
Fluoranthene	544	9.91	ug/L	660.7	ND	82	63-122				1
Fluorene	540	5.95	ug/L	660.7	ND	82	46-125				1
Hexachlorobenzene	557	9.91	ug/L	660.7	ND	84	51-110				1
Hexachlorobutadiene	460	9.91	ug/L	660.7	ND	70	29-94				1
Hexachlorocyclopentadiene	343	149	ug/L	660.7	ND	52	9-94				1
Hexachloroethane	401	9.91	ug/L	660.7	ND	61	25-89				1
Indeno(1,2,3-cd)pyrene	571	19.8	ug/L	660.7	ND	86	49-137				1
Isophorone	492	5.95	ug/L	660.7	ND	75	43-110				1
Naphthalene	487	39.6	ug/L	660.7	ND	74	20-163				1
Nitrobenzene	532	5.95	ug/L	660.7	ND	80	39-113				1
N-Nitrosodimethylamine	389	9.91	ug/L	660.7	ND	59	18-90				1
N-Nitrosodi-n-propylamine	514	19.8	ug/L	660.7	ND	78	37-116				1
N-Nitrosodiphenylamine	538	5.95	ug/L	660.7	ND	81	62-114				1
Pentachlorophenol	542	297	ug/L	660.7	ND	82	12-122				1
Phenanthrene	545	9.91	ug/L	660.7	ND	83	41-129				1
Phenol	311	9.91	ug/L	660.7	ND	47	10-68				1
Pyrene	536	9.91	ug/L	660.7	ND	81	59-124				1
Surrogate: 2-Fluorophenol	356		ug/L	660.8		54	10-88				1
Surrogate: Phenol-d5	263		ug/L	660.8		40	10-65				1
Surrogate: Nitrobenzene-d5	509		ug/L	660.8		77	25-128				1
Surrogate: 2-Fluorobiphenyl	469		ug/L	660.8		71	24-114				1
Surrogate: 2,4,6-Tribromophenol	525		ug/L	660.8		79	15-119				1
Surrogate: 4-Terphenyl-d14	531		ug/L	660.8		80	29-129				1

**Matrix Spike Dup (B0K0092-MSD1)****Source: 20J0956-01**

Prepared: 11/04/2020 09:28 Analyzed: 11/05/2020 12:12

1,4-Dioxane	364	10.6	ug/L	706.9	ND	51	24-83	3	53		1
1,2,4-Trichlorobenzene	478	21.2	ug/L	706.9	ND	68	34-96	1	27		1
1,2-Dichlorobenzene	416	21.2	ug/L	706.9	ND	59	32-91	2	29		1
1,3-Dichlorobenzene	394	21.2	ug/L	706.9	ND	56	29-90	11	33		1
1,4-Dichlorobenzene	397	21.2	ug/L	706.9	ND	56	31-88	10	32		1

**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 11/12/2020**Project:** Milw Die Cast**Matrix:** Water**Work Order:** 20J0958**Semivolatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B0K0092 - SW3510** (Continued)**Matrix Spike Dup (B0K0092-MSD1)** (Continued)**Source: 20J0956-01**

Prepared: 11/04/2020 09:28 Analyzed: 11/05/2020 12:12

2,4,5-Trichlorophenol	610	10.6	ug/L	706.9	ND	86	54-120	8	22		1
2,4,6-Trichlorophenol	584	10.6	ug/L	706.9	ND	83	51-117	10	33		1
2,4-Dichlorophenol	552	10.6	ug/L	706.9	ND	78	33-134	3	21		1
2,4-Dimethylphenol	487	21.2	ug/L	706.9	ND	69	17-132	5	23		1
2,4-Dinitrophenol	526	318	ug/L	706.9	ND	74	1-123	4	43		1
2,4-Dinitrotoluene	619	21.2	ug/L	706.9	ND	88	49-124	12	23		1
2,6-Dichlorophenol	536	10.6	ug/L	706.9	ND	76	35-130	5	30		1
2,6-Dinitrotoluene	621	10.6	ug/L	706.9	ND	88	57-121	9	21		1
2-Chloronaphthalene	505	6.36	ug/L	706.9	ND	71	50-101	2	26		1
2-Chlorophenol	531	10.6	ug/L	706.9	ND	75	37-107	4	28		1
2-Methylnaphthalene	531	42.4	ug/L	706.9	ND	75	35-121	2	27		1
2-Methylphenol	515	10.6	ug/L	706.9	ND	73	32-107	3	32		1
2-Nitroaniline	588	318	ug/L	706.9	ND	83	45-123	7	19		1
2-Nitrophenol	558	10.6	ug/L	706.9	ND	79	38-120	6	30		1
3,3'-Dichlorobenzidine	801	212	ug/L	848.4	ND	94	33-137	14	29		1
3 & 4-Methylphenol	489	10.6	ug/L	706.9	ND	69	20-115	4	32		1
3-Nitroaniline	593	21.2	ug/L	706.9	ND	84	39-125	7	19		1
4,6-Dinitro-2-methylphenol	566	159	ug/L	706.9	ND	80	11-132	2	53		1
4-Bromophenyl-phenylether	602	10.6	ug/L	706.9	ND	85	56-116	5	18		1
4-Chloro-3-methylphenol	608	5.30	ug/L	706.9	ND	86	28-144	10	20		1
4-Chloroaniline	595	6.36	ug/L	706.9	ND	84	48-110	7	21		1
4-Chlorophenyl-phenylether	610	10.6	ug/L	706.9	ND	86	55-106	9	20		1
4-Nitroaniline	601	318	ug/L	706.9	ND	85	51-123	7	20		1
4-Nitrophenol	259	159	ug/L	706.9	ND	37	10-81	3	65		1
Acenaphthene	527	6.36	ug/L	706.9	ND	74	27-133	6	20		1
Acenaphthylene	560	6.36	ug/L	706.9	ND	79	47-113	7	21		1
Anthracene	573	6.36	ug/L	706.9	ND	81	61-115	4	20		1
Azobenzene as 1,2-Diphenylhydrazine	539	10.6	ug/L	706.9	ND	76	55-119	5	19		1
Benzidine	454	848	ug/L	848.4	ND	54	10-132	12	30	J	1
Benzo(a)anthracene	608	6.36	ug/L	706.9	ND	86	60-125	12	20		1
Benzo(a)pyrene	622	21.2	ug/L	706.9	ND	88	66-125	5	20		1
Benzo(b)fluoranthene	641	21.2	ug/L	706.9	ND	91	65-128	7	20		1
Benzo(g,h,i)perylene	619	21.2	ug/L	706.9	ND	88	62-123	9	20		1
Benzo(k)fluoranthene	581	21.2	ug/L	706.9	ND	82	64-122	7	20		1
Benzoic acid	482	424	ug/L	1697	ND	28	7-82	0.3	30		1
Benzyl alcohol	501	42.4	ug/L	706.9	ND	71	36-110	3	26		1
Bis(2-chloroethoxy)methane	592	10.6	ug/L	706.9	ND	84	44-112	7	26		1
Bis(2-chloroethyl)ether	556	10.6	ug/L	706.9	ND	79	38-104	4	32		1
Bis(2-chloroisopropyl)ether	474	10.6	ug/L	706.9	ND	67	35-104	3	32		1
Bis(2-ethylhexyl)phthalate	625	212	ug/L	706.9	ND	88	52-139	12	19		1
Butyl benzyl phthalate	661	10.6	ug/L	706.9	ND	94	55-132	11	20		1
Carbazole	594	10.6	ug/L	706.9	ND	84	62-128	10	26		1

**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 11/12/2020**Project:** Milw Die Cast**Matrix:** Water**Work Order:** 20J0958**Semivolatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B0K0092 - SW3510 (Continued)****Matrix Spike Dup (B0K0092-MSD1) (Continued)****Source: 20J0956-01**

Prepared: 11/04/2020 09:28 Analyzed: 11/05/2020 12:12

Chrysene	613	6.36	ug/L	706.9	ND	87	62-116	12	20		1
Dibenzo(a,h)anthracene	622	21.2	ug/L	706.9	ND	88	46-143	8	22		1
Dibenzofuran	566	6.36	ug/L	706.9	ND	80	53-110	5	20		1
Diethyl phthalate	573	63.6	ug/L	706.9	ND	81	58-117	7	20		1
Dimethyl phthalate	553	6.36	ug/L	706.9	ND	78	61-106	8	20		1
Di-n-butyl phthalate	573	106	ug/L	706.9	ND	81	60-132	5	20		1
Di-n-octyl phthalate	645	106	ug/L	706.9	ND	91	48-135	7	20		1
Fluoranthene	579	10.6	ug/L	706.9	ND	82	63-122	6	20		1
Fluorene	580	6.36	ug/L	706.9	ND	82	46-125	7	20		1
Hexachlorobenzene	603	10.6	ug/L	706.9	ND	85	51-110	8	20		1
Hexachlorobutadiene	405	10.6	ug/L	706.9	ND	57	29-94	13	28		1
Hexachlorocyclopentadiene	321	159	ug/L	706.9	ND	45	9-94	7	42		1
Hexachloroethane	335	10.6	ug/L	706.9	ND	47	25-89	18	32		1
Indeno(1,2,3-cd)pyrene	650	21.2	ug/L	706.9	ND	92	49-137	13	23		1
Isophorone	519	6.36	ug/L	706.9	ND	73	43-110	5	30		1
Naphthalene	482	42.4	ug/L	706.9	ND	68	20-163	0.9	25		1
Nitrobenzene	558	6.36	ug/L	706.9	ND	79	39-113	5	30		1
N-Nitrosodimethylamine	388	10.6	ug/L	706.9	ND	55	18-90	0.4	35		1
N-Nitrosodi-n-propylamine	538	21.2	ug/L	706.9	ND	76	37-116	5	27		1
N-Nitrosodiphenylamine	570	6.36	ug/L	706.9	ND	81	62-114	6	19		1
Pentachlorophenol	580	318	ug/L	706.9	ND	82	12-122	7	46		1
Phenanthrene	574	10.6	ug/L	706.9	ND	81	41-129	5	19		1
Phenol	327	10.6	ug/L	706.9	ND	46	10-68	5	37		1
Pyrene	594	10.6	ug/L	706.9	ND	84	59-124	10	20		1
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Surrogate: 2-Fluorophenol	374		ug/L	707.0		53	10-88				1
Surrogate: Phenol-d5	268		ug/L	707.0		38	10-65				1
Surrogate: Nitrobenzene-d5	532		ug/L	707.0		75	25-128				1
Surrogate: 2-Fluorobiphenyl	480		ug/L	707.0		68	24-114				1
Surrogate: 2,4,6-Tribromophenol	564		ug/L	707.0		80	15-119				1
Surrogate: 4-Terphenyl-d14	592		ug/L	707.0		84	29-129				1

**Quality Control**

(Continued)

**Client:** Geosyntec Consultants**Report Date:** 11/12/2020**Project:** Milw Die Cast**Matrix:** Water**Work Order:** 20J0958**Subcontracted Analyses**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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**Batch: B0K0078 - SW5030****Matrix Spike (B0K0078-MS1)****Source: 20J0958-01***Prepared: 11/03/2020 07:00 Analyzed: 11/03/2020 09:23*

1,4-Dioxane	4.45		ug/L	4.000	0.100	109	70-130				1
<i>Surrogate: Toluene-d8</i>	<i>6.16</i>		<i>ug/L</i>	<i>4.000</i>		<i>154</i>	<i>80-120</i>			<i>S</i>	<i>1</i>

**Matrix Spike Dup (B0K0078-MSD1)****Source: 20J0958-01***Prepared: 11/03/2020 07:00 Analyzed: 11/03/2020 09:47*

1,4-Dioxane	4.26		ug/L	4.000	0.100	104	70-130	4	20		1
<i>Surrogate: Toluene-d8</i>	<i>3.34</i>		<i>ug/L</i>	<i>4.000</i>		<i>84</i>	<i>80-120</i>				<i>1</i>

## Certified Analyses included in this Report

Analyte	CAS #	Certifications
<b>SW8082A in Water</b>		
Aroclor 1016	12674-11-2	AKDEC,WDNR,DoD,ILEPA
Aroclor 1016	12674-11-2	AKDEC,WDNR,DoD,ILEPA
Aroclor 1221	11104-28-2	AKDEC,WDNR,DoD,ILEPA
Aroclor 1221	11104-28-2	AKDEC,WDNR,DoD,ILEPA
Aroclor 1232	11141-16-5	AKDEC,WDNR,DoD,ILEPA
Aroclor 1232	11141-16-5	AKDEC,WDNR,DoD,ILEPA
Aroclor 1242	53469-21-9	AKDEC,WDNR,DoD,ILEPA
Aroclor 1242	53469-21-9	AKDEC,WDNR,DoD,ILEPA
Aroclor 1248	12672-29-6	AKDEC,WDNR,DoD,ILEPA
Aroclor 1248	12672-29-6	AKDEC,WDNR,DoD,ILEPA
Aroclor 1254	11097-69-1	AKDEC,WDNR,DoD,ILEPA
Aroclor 1254	11097-69-1	AKDEC,WDNR,DoD,ILEPA
Aroclor 1260	11096-82-5	AKDEC,WDNR,DoD,ILEPA
Aroclor 1260	11096-82-5	AKDEC,WDNR,DoD,ILEPA
Total PCB	1336-36-3	AKDEC,WDNR,DoD,ILEPA
Total PCB	1336-36-3	AKDEC,WDNR,DoD,ILEPA
<b>SW8260B in Water</b>		
1,1,1,2-Tetrachloroethane	630-20-6	WDNR,DoD,ILEPA
1,1,1-Trichloroethane	71-55-6	AKDEC,WDNR,DoD,ILEPA
1,1,2,2-Tetrachloroethane	79-34-5	AKDEC,WDNR,DoD,ILEPA
1,1,2-Trichloroethane	79-00-5	AKDEC,WDNR,DoD,ILEPA
1,1-Dichloroethane	75-34-3	AKDEC,WDNR,DoD,ILEPA
1,1-Dichloroethene	75-35-4	AKDEC,WDNR,DoD,ILEPA
1,1-Dichloropropene	563-58-6	WDNR,DoD,ILEPA
1,2,3-Trichlorobenzene	87-61-6	WDNR,DoD,ILEPA
1,2,3-Trichloropropane	96-18-4	AKDEC,WDNR,DoD,ILEPA
1,2,4-Trimethylbenzene	95-63-6	WDNR,DoD,ILEPA
1,2-Dibromo-3-chloropropane	96-12-8	AKDEC,WDNR,DoD,ILEPA
1,2-Dibromoethane	106-93-4	AKDEC,WDNR,DoD,ILEPA
1,2-Dichloroethane	107-06-2	AKDEC,WDNR,DoD,ILEPA
1,2-Dichloropropane	78-87-5	AKDEC,WDNR,DoD,ILEPA
1,3,5-Trimethylbenzene	108-67-8	WDNR,DoD,ILEPA
1,3-Dichloropropane	142-28-9	WDNR,DoD,ILEPA
2,2-Dichloropropane	594-20-7	WDNR,DoD,ILEPA
2-Butanone	78-93-3	WDNR,DoD,ILEPA
2-Chlorotoluene	95-49-8	WDNR,DoD,ILEPA
2-Hexanone	591-78-6	WDNR,DoD,ILEPA
4-Isopropyltoluene	99-87-6	WDNR,DoD,ILEPA
4-Methyl-2-pentanone	108-10-1	WDNR,DoD,ILEPA
Acetone	67-64-1	WDNR,DoD,ILEPA



**Certified Analyses included in this Report (Continued)**

Analyte	CAS #	Certifications
<b>SW8260B in Water (Continued)</b>		
Benzene	71-43-2	AKDEC,WDNR,DoD,ILEPA
Bromobenzene	108-86-1	WDNR,DoD,ILEPA
Bromochloromethane	74-97-5	WDNR,DoD,ILEPA
Bromodichloromethane	75-27-4	AKDEC,WDNR,DoD,ILEPA
Bromoform	75-25-2	AKDEC,WDNR,DoD,ILEPA
Bromomethane	74-83-9	AKDEC,WDNR,DoD,ILEPA
Carbon disulfide	75-15-0	WDNR,DoD,ILEPA
Carbon tetrachloride	56-23-5	AKDEC,WDNR,DoD,ILEPA
Chlorobenzene	108-90-7	AKDEC,WDNR,DoD,ILEPA
Chloroethane	75-00-3	WDNR,DoD,ILEPA
Chloroform	67-66-3	AKDEC,WDNR,DoD,ILEPA
Chloromethane	74-87-3	AKDEC,WDNR,DoD,ILEPA
cis-1,2-Dichloroethene	156-59-2	WDNR,DoD,ILEPA
cis-1,3-Dichloropropene	10061-01-5	AKDEC,WDNR,DoD,ILEPA
Cyclohexane	110-82-7	DoD
Dibromochloromethane	124-48-1	AKDEC,WDNR,DoD,ILEPA
Dibromomethane	74-95-3	WDNR,DoD,ILEPA
Dichlorodifluoromethane	75-71-8	WDNR,DoD,ILEPA
Ethylbenzene	100-41-4	AKDEC,WDNR,DoD,ILEPA
Isopropylbenzene	98-82-8	WDNR,DoD,ILEPA
m,p-Xylene	179601-23-1	AKDEC,WDNR,DoD,ILEPA
Methyl tert-butyl ether	1634-04-4	WDNR,DoD,ILEPA
Methylene chloride	75-09-2	AKDEC,WDNR,DoD,ILEPA
n-Butylbenzene	104-51-8	WDNR,DoD,ILEPA
n-Propylbenzene	103-65-1	WDNR,DoD,ILEPA
o-Xylene	95-47-6	AKDEC,WDNR,DoD,ILEPA
sec-Butylbenzene	135-98-8	WDNR,DoD,ILEPA
Styrene	100-42-5	WDNR,DoD
tert-Butylbenzene	98-06-6	WDNR,DoD,ILEPA
Tetrachloroethene	127-18-4	AKDEC,WDNR,DoD,ILEPA
Toluene	108-88-3	AKDEC,WDNR,DoD,ILEPA
trans-1,2-Dichloroethene	156-60-5	AKDEC,WDNR,DoD,ILEPA
trans-1,3-Dichloropropene	10061-02-6	AKDEC,WDNR,DoD,ILEPA
Trichloroethene	79-01-6	AKDEC,WDNR,DoD,ILEPA
Trichlorofluoromethane	75-69-4	AKDEC,WDNR,DoD,ILEPA
Vinyl chloride	75-01-4	AKDEC,WDNR,DoD,ILEPA
Xylenes, Total	1330-20-7	AKDEC,WDNR,DoD,ILEPA
<b>SW8260-SIM Modified in Water</b>		
1,4-Dioxane	123-91-1	WDNR

**SW8270D in Water**

**Certified Analyses included in this Report (Continued)**

Analyte	CAS #	Certifications
<b>SW8270D in Water (Continued)</b>		
1,2,4-Trichlorobenzene	120-82-1	WDNR,DoD,ILEPA
1,2-Dichlorobenzene	95-50-1	WDNR,DoD,ILEPA
1,3-Dichlorobenzene	541-73-1	WDNR,DoD,ILEPA
1,4-Dichlorobenzene	106-46-7	WDNR,DoD,ILEPA
2,4,5-Trichlorophenol	95-95-4	WDNR,DoD,ILEPA
2,4,6-Trichlorophenol	88-06-2	WDNR,DoD,ILEPA
2,4-Dichlorophenol	120-83-2	WDNR,DoD,ILEPA
2,4-Dimethylphenol	105-67-9	WDNR,DoD,ILEPA
2,4-Dinitrophenol	51-28-5	WDNR,DoD,ILEPA
2,4-Dinitrotoluene	121-14-2	WDNR,DoD,ILEPA
2,6-Dinitrotoluene	606-20-2	WDNR,DoD,ILEPA
2-Chloronaphthalene	91-58-7	WDNR,DoD,ILEPA
2-Chlorophenol	95-57-8	WDNR,DoD,ILEPA
2-Methylnaphthalene	91-57-6	AKDEC,WDNR,DoD,ILEPA
2-Methylphenol	95-48-7	WDNR,DoD,ILEPA
2-Nitroaniline	88-74-4	WDNR,DoD,ILEPA
2-Nitrophenol	88-75-5	WDNR,DoD,ILEPA
3,3'-Dichlorobenzidine	91-94-1	WDNR,DoD,ILEPA
3 & 4-Methylphenol	84989-04-8	WDNR,DoD,ILEPA
3-Nitroaniline	99-09-2	WDNR,DoD,ILEPA
4,6-Dinitro-2-methylphenol	534-52-1	WDNR,DoD,ILEPA
4-Bromophenyl-phenylether	101-55-3	WDNR,DoD,ILEPA
4-Chloro-3-methylphenol	59-50-7	WDNR,DoD,ILEPA
4-Chloroaniline	106-47-8	WDNR,DoD,ILEPA
4-Chlorophenyl-phenylether	7005-72-3	WDNR,DoD,ILEPA
4-Nitroaniline	100-01-6	WDNR,DoD,ILEPA
4-Nitrophenol	100-02-7	WDNR,DoD,ILEPA
Acenaphthene	83-32-9	AKDEC,WDNR,DoD,ILEPA
Acenaphthylene	208-96-8	AKDEC,WDNR,DoD,ILEPA
Anthracene	120-12-7	AKDEC,WDNR,DoD,ILEPA
Azobenzene as 1,2-Diphenylhydrazine	103-33-3	WDNR,DoD,ILEPA
Benzidine	92-87-5	WDNR,DoD,ILEPA
Benzo(a)anthracene	56-55-3	AKDEC,WDNR,DoD,ILEPA
Benzo(a)pyrene	50-32-8	AKDEC,WDNR,DoD,ILEPA
Benzo(b)fluoranthene	205-99-2	AKDEC,WDNR,DoD,ILEPA
Benzo(g,h,i)perylene	191-24-2	AKDEC,WDNR,DoD,ILEPA
Benzo(k)fluoranthene	207-08-9	AKDEC,WDNR,DoD,ILEPA
Benzoic acid	65-85-0	WDNR,DoD,ILEPA
Benzyl alcohol	100-51-6	WDNR,DoD,ILEPA
Bis(2-chloroethoxy)methane	111-91-1	WDNR,DoD,ILEPA
Bis(2-chloroethyl)ether	111-44-4	WDNR,DoD,ILEPA

**Certified Analyses included in this Report (Continued)**

Analyte	CAS #	Certifications
<b>SW8270D in Water (Continued)</b>		
Bis(2-chloroisopropyl)ether	108-60-1	WDNR,DoD,ILEPA
Bis(2-ethylhexyl)phthalate	117-81-7	WDNR,DoD,ILEPA,ISO
Butyl benzyl phthalate	85-68-7	WDNR,DoD,ILEPA,ISO
Carbazole	86-74-8	WDNR,DoD,ILEPA
Chrysene	218-01-9	AKDEC,WDNR,DoD,ILEPA
Dibenzo(a,h)anthracene	53-70-3	AKDEC,WDNR,DoD,ILEPA
Dibenzofuran	132-64-9	WDNR,DoD,ILEPA
Diethyl phthalate	84-66-2	WDNR,DoD,ILEPA
Dimethyl phthalate	131-11-3	WDNR,DoD,ILEPA
Di-n-butyl phthalate	84-74-2	WDNR,DoD,ILEPA
Di-n-octyl phthalate	117-84-0	WDNR,DoD,ILEPA,ISO
Fluoranthene	206-44-0	AKDEC,WDNR,DoD,ILEPA
Fluorene	86-73-7	AKDEC,WDNR,DoD,ILEPA
Hexachlorobenzene	118-74-1	WDNR,DoD,ILEPA
Hexachlorobutadiene	87-68-3	WDNR,DoD,ILEPA
Hexachlorocyclopentadiene	77-47-4	WDNR,DoD,ILEPA
Hexachloroethane	67-72-1	WDNR,DoD,ILEPA
Indeno(1,2,3-cd)pyrene	193-39-5	AKDEC,WDNR,DoD,ILEPA
Isophorone	78-59-1	WDNR,DoD,ILEPA
Naphthalene	91-20-3	AKDEC,WDNR,DoD,ILEPA
Nitrobenzene	98-95-3	WDNR,DoD,ILEPA
N-Nitrosodimethylamine	62-75-9	WDNR,DoD,ILEPA
N-Nitrosodi-n-propylamine	621-64-7	DoD,ILEPA
N-Nitrosodiphenylamine	86-30-6	WDNR,DoD,ILEPA
Pentachlorophenol	87-86-5	WDNR,DoD,ILEPA
Phenanthrene	85-01-8	AKDEC,WDNR,DoD,ILEPA
Phenol	108-95-2	WDNR,DoD,ILEPA
Pyrene	129-00-0	AKDEC,WDNR,DoD,ILEPA
<b>SW9060 in Water</b>		
Organic Carbon, Total	7440-44-0	DoD,ILEPA,WDNR

## List of Certifications

Code	Description	Number	Expires
AKDEC	State of Alaska, Dept. Environmental Conservation	17-011	05/31/2022
CPSC	US Consumer Product Safety Commission, Accredited by PJLA Lab No. 1050	L18-184-R1	03/31/2021
DoD	Department of Defense, Accredited by PJLA	L18-183-R3	03/31/2021
ILEPA	State of Illinois, NELAP Accredited Lab No. 100256	1002562020-3	07/27/2021
ISO	ISO/IEC 17025, Accredited by PJLA	L18-184-R1	03/31/2021
TX	Texas Commission of Environmental Quality	T104704554-20-5	10/31/2021
WA	Washington State Department of Ecology	C1057	01/05/2021
WDNR	State of Wisconsin Dept of Natural Resources	999888890	08/31/2021

### Qualifiers and Definitions

Item	Description
J	The reported result is an estimated value.
P	The quality control sample %RPD is above the laboratory control limit.
Q	One or more quality control results were outside of the acceptance limits (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).
S	The quality control sample recovery is outside of the laboratory control limits.
S1	The percent recovery is above the limits (e.g. LCS recovery, surrogate spike recovery, or CCV recovery), but the analyte was not detected in the sample. Data is acceptable.
S2	The percent recovery is outside the lab control limits, but within the method acceptable limits. Data is acceptable.
%Rec	Percent Recovery
MDL	In the state of Wisconsin MDL is equivalent to LOD; in all other applications MDL is equivalent to MDL. In the state of Wisconsin the Reporting Limit is equivalent to LOQ.





## Sample Receipt Checklist

Work Order: 20J0958

Printed: 10/30/2020 1:30:12PM

Client: <b>Geosyntec DoD</b>	
Project: <b>Milw Die Cast</b>	Date Due: <b>Friday, November 13, 2020</b>

Received By: **Agnieszka B. Zabawa**  
 Logged In By: **Agnieszka B. Zabawa**

Date Received: **10/30/20 12:20**  
 Date Logged In: **10/30/20 13:29**

Sample Temperature at Receipt:	4.9°C
How were samples received?	EMT
Custody Seals Present	Yes
Custody Seals Intact	No
Sample Containers Intact	Yes
COC Present and Complete	Yes
COC agrees with Sample Labels	Yes
Containers Properly Preserved	Yes
Samples Received Within Holdtime	Yes
Cooler Temp Within Limits	Yes
VOA Water Vials Received	Yes
Vials Contain > Pea Sized Air Bubble	No

Custody Seals in the following locations received broken:

---

**Comments**

Custody seal broken by EMT Technician to ice down samples.

ABZ

10/30/2020

November 05, 2020

Nicole Ryan  
Environmental Monitoring & Technologies  
8100 North Austin Avenue  
Morton Grove, IL 60053

RE: Project: CHW8271N MDCC  
Pace Project No.: 40217530

Dear Nicole Ryan:

Enclosed are the analytical results for sample(s) received by the laboratory on October 31, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

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: CHW8271N MDCC

Pace Project No.: 40217530

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### **Pace Analytical Services Green Bay**

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: CHW8271N MDCC  
Pace Project No.: 40217530

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<b>Lab ID</b>	<b>Sample ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Received</b>
<b>40217530001</b>	<b>MW-5</b>	Water	10/29/20 08:45	10/31/20 07:55

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: CHW8271N MDCC  
Pace Project No.: 40217530

---

<b>Lab ID</b>	<b>Sample ID</b>	<b>Method</b>	<b>Analysts</b>	<b>Analytes Reported</b>
40217530001	MW-5	EPA 8015B Modified	ALD	3

---

PASI-G = Pace Analytical Services - Green Bay

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: CHW8271N MDCC

Pace Project No.: 40217530

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**Sample: MW-5**      **Lab ID: 40217530001**      Collected: 10/29/20 08:45      Received: 10/31/20 07:55      Matrix: Water

---

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	<b>&lt;1.2</b>	ug/L	5.6	1.2	1		11/04/20 10:20	74-84-0	
Ethene	<b>&lt;1.2</b>	ug/L	5.0	1.2	1		11/04/20 10:20	74-85-1	
Methane	<b>1.2J</b>	ug/L	2.8	0.66	1		11/04/20 10:20	74-82-8	

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### QUALITY CONTROL DATA

Project: CHW8271N MDCC  
Pace Project No.: 40217530

QC Batch: 370196	Analysis Method: EPA 8015B Modified
QC Batch Method: EPA 8015B Modified	Analysis Description: Methane, Ethane, Ethene GCV
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40217530001

METHOD BLANK: 2139960 Matrix: Water  
Associated Lab Samples: 40217530001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<1.2	5.6	11/04/20 07:54	
Ethene	ug/L	<1.2	5.0	11/04/20 07:54	
Methane	ug/L	<0.66	2.8	11/04/20 07:54	

LABORATORY CONTROL SAMPLE & LCSD: 2139961

Parameter	Units	2139962							RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits				
Ethane	ug/L	53.6	55.7	57.1	104	107	80-120	3	20		
Ethene	ug/L	50	51.1	52.3	102	105	80-120	2	20		
Methane	ug/L	28.6	29.9	30.8	105	108	79-120	3	20		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2140142 2140143

Parameter	Units	2140142										Qual
		40217203002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	
Ethane	ug/L	<1.2	53.6	53.6	54.4	55.9	102	104	79-120	3	20	
Ethene	ug/L	<1.2	50	50	49.7	51.0	99	102	79-120	3	20	
Methane	ug/L	2.2J	28.6	28.6	31.8	32.8	103	107	10-200	3	20	

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

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## QUALIFIERS

Project: CHW8271N MDCC

Pace Project No.: 40217530

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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, percent moisture, initial weight and final volume.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CHW8271N MDCC  
Pace Project No.: 40217530

---

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40217530001	MW-5	EPA 8015B Modified	370196		

---

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# Sample Preservation Receipt Form

Page 10 of 11

Client Name: Geosyntec

Project # 4047530

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

Initial when completed:

Date/Time:

Lab Lot# of pH paper:

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

Pace Lab #	Glass						Plastic					Vials					Jars				General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)			
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JG9U	JG9U	WG9U	WPFU								SP5T	ZPLC	GN
001																	3																2.5 / 5 / 10
002																																	2.5 / 5 / 10
003																																	2.5 / 5 / 10
004																																	2.5 / 5 / 10
005																																	2.5 / 5 / 10
006																																	2.5 / 5 / 10
007																																	2.5 / 5 / 10
008																																	2.5 / 5 / 10
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016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

10/31/20  
 10

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

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9A	40 mL clear ascorbic	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WG9U	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG5U	100 mL amber glass unpres			VG9D	40 mL clear vial DI	ZPLC	ziploc bag
AG2S	500 mL amber glass H2SO4					GN	
BG3U	250 mL clear glass unpres						



Document Name:  
Sample Condition Upon Receipt (SCUR)

Document Revised: 26Mar2020

Document No.:  
ENV-FRM-GBAY-0014-Rev.00

Author:  
Pace Green Bay Quality Office

### Sample Condition Upon Receipt Form (SCUR)

Project #: \_\_\_\_\_

Client Name: Coosyntec

WO#: **40217530**



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

Tracking #: \_\_\_\_\_

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

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

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

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

Cooler Temperature Uncorr: ROT /Corr: \_\_\_\_\_

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

Temp should be above freezing to 6°C.

Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:  
Date: 10/31/20 /Initials: MLR  
Labeled By Initials: MLR

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

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

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir

# **ATTACHMENT 3**

## **Soil Gas Sample Analytical Data**

**Site Investigation Work Plan Modification**  
Milwaukee Die Casting Company Site  
4132 North Holton Street  
Milwaukee, Wisconsin  
WDNR BRRTS # 02-41-00023  
WDNR FID # 241228240

**TABLE 2**  
**Summary of Soil Gas Sample Analytical Data - CVOCs**  
 Milwaukee Die Casting Company Site  
 4132 North Holton Street  
 Milwaukee, Wisconsin

Soil Gas Probe Identification	SG-1	SG-2	SG-3	SG-5	SG-5 DUP	SG-6	SG-7	WDNR Deep Soil Gas Vapor Risk Screening Levels (VRSLs)				
								Residential		Commercial/Industrial		
								VAL	VRSL	VAL	Small Commercial	Large Commercial/Industrial
Approximate Screen Interval (ft bgs)	6.5-7	6.5-7	6.5-7	6.5-7	6.5-7	6.5-7	6.5-7					
Sample Date	10/14/2020	10/14/2020	10/14/2020	10/14/2020	10/14/2020	10/14/2020	10/14/2020	VAL	VRSL	VAL	VRSL	VRSL
Analytical Parameters									AF=0.01		AF=0.01	AF=0.001
<b>Detected CVOCs (<math>\mu\text{g}/\text{m}^3</math>)</b>												
1,1-Dichloroethane	< 0.24	< 0.27	< 0.26	< 0.26	< 0.26	<b>6,520</b>	19.6	1.1	110	4.7	470	4,700
1,1-Dichloroethene	< 0.26	< 0.29	< 0.28	< 0.28	< 0.28	60.8	< 0.27	210	21,000	880	88,000	880,000
cis-1,2-Dichloroethene	< 0.21	< 0.24	< 0.23	< 0.23	< 0.23	7,660	3,050	--	--	--	--	--
trans-1,2-Dichloroethene	< 0.20	< 0.22	< 0.21	< 0.21	< 0.21	616	558	--	--	--	--	--
Tetrachloroethene	12.7	36.7	46.9	<b>8,150</b>	<b>8,440</b>	96.5	116	42	4,200	180	18,000	180,000
1,1,1-Trichloroethane	< 0.23	< 0.26	< 0.25	10.5	10.6	3,680	5.0	5,200	520,000	22,000	2,200,000	22,000,000
Trichloroethene	< 0.23	< 0.27	< 0.26	<b>527</b>	<b>533</b>	<b>1,610</b>	117	2.1	210	8.8	880	8,800
Vinyl chloride	< 0.079	< 0.090	< 0.086	< 0.086	< 0.086	<b>2,630</b>	2.5	1.7	170	28	2,800	28,000

*Notes:*

bold: soil vapor concentration exceeds residential VRSL

box: soil vapor concentration exceeds commercial/industrial VRSL (small commercial and/or large commercial/industrial)

-- - not established

AF - WDNR attenuation factor for deep soil gas

CVOCs - chlorinated volatile organic compounds

ft bgs - feet below ground surface

$\mu\text{g}/\text{m}^3$  - micrograms per cubic meter

VAL - WDNR vapor action level

WDNR - Wisconsin Department of Natural Resources



November 03, 2020

Nicki Ryan  
EMT  
8100 Austin Ave.  
Morton Grove, IL 60053

RE: Project: CHW8271N MDCC  
Pace Project No.: 10535721

Dear Nicki Ryan:

Enclosed are the analytical results for sample(s) received by the laboratory on October 15, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Minneapolis

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

Sincerely,



Ashley Williams  
ashley.williams@pacelabs.com  
(612)607-1700  
Project Manager

Enclosures

cc: Tim Witrzek, EMT



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: CHW8271N MDCC

Pace Project No.: 10535721

---

### **Pace Analytical Services - Minneapolis MN**

1700 Elm Street SE, Minneapolis, MN 55414

1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab

A2LA Certification #: 2926.01\*

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009\*

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014\*

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8+Wyoming DW Certification #: via MN 027-053-137

Florida Certification #: E87605\*

Georgia Certification #: 959

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: AI-03086\*

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064\*

Maryland Certification #: 322

Massachusetts DWP Certification #: via MN 027-053-137

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137\*

Minnesota Dept of Ag Certification #: via MN 027-053-137

Minnesota Petrofund Certification #: 1240\*

Mississippi Certification #: MN00064

Missouri Certification #: 10100

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081\*

New Jersey Certification #: MN002

New York Certification #: 11647\*

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507\*

Oregon Primary Certification #: MN300001

Oregon Secondary Certification #: MN200001\*

Pennsylvania Certification #: 68-00563\*

Puerto Rico Certification #: MN00064

South Carolina Certification #:74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192\*

Utah Certification #: MN00064\*

Vermont Certification #: VT-027053137

Virginia Certification #: 460163\*

Washington Certification #: C486\*

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

USDA Permit #: P330-19-00208

\*Please Note: Applicable air certifications are denoted with an asterisk (\*).

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: CHW8271N MDCC

Pace Project No.: 10535721

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10535721001	SG-1	Air	10/14/20 09:10	10/15/20 12:11
10535721002	SG-2	Air	10/14/20 09:52	10/15/20 12:11
10535721003	SG-3	Air	10/14/20 10:26	10/15/20 12:11
10535721004	SG-5	Air	10/14/20 12:12	10/15/20 12:11
10535721005	SG-5 DUP	Air	10/14/20 12:12	10/15/20 12:11
10535721006	SG-6	Air	10/14/20 13:03	10/15/20 12:11
10535721007	SG-7	Air	10/14/20 14:15	10/15/20 12:11
10535721008	FC	Air		10/15/20 12:11
10535721009	FC	Air		10/15/20 12:11

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: CHW8271N MDCC

Pace Project No.: 10535721

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10535721001	SG-1	TO-15	MJL	61	PASI-M
10535721002	SG-2	TO-15	MJL	61	PASI-M
10535721003	SG-3	TO-15	MJL	61	PASI-M
10535721004	SG-5	TO-15	MJL	61	PASI-M
10535721005	SG-5 DUP	TO-15	MJL	61	PASI-M
10535721006	SG-6	TO-15	MJL	61	PASI-M
10535721007	SG-7	TO-15	MJL	61	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

### REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: CHW8271N MDCC

Pace Project No.: 10535721

---

**Method:** TO-15

**Description:** TO15 MSV AIR

**Client:** Environmental Monitoring & Tech EMT

**Date:** November 03, 2020

**General Information:**

7 samples were analyzed for TO-15 by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

QC Batch: 707975

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- LCS (Lab ID: 3782735)
  - Bromoform
  - Hexachloro-1,3-butadiene

**Internal Standards:**

All internal standards were within QC limits with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 707975

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples.

- LCS (Lab ID: 3782735)
  - Bromoform
  - Hexachloro-1,3-butadiene

**Duplicate Sample:**

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: CHW8271N MDCC

Pace Project No.: 10535721

---

**Method:** TO-15

**Description:** TO15 MSV AIR

**Client:** Environmental Monitoring & Tech EMT

**Date:** November 03, 2020

Analyte Comments:

QC Batch: 707975

C8: Result may be biased high due to carryover from previously analyzed sample.

- SG-7 (Lab ID: 10535721007)
  - 1,1-Dichloroethane
  - Vinyl chloride

This data package has been reviewed for quality and completeness and is approved for release.

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: CHW8271N MDCC

Pace Project No.: 10535721

**Sample: SG-1**      **Lab ID: 10535721001**      Collected: 10/14/20 09:10      Received: 10/15/20 12:11      Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15 Pace Analytical Services - Minneapolis									
Acetone	15.3	ug/m3	8.4	2.8	1.39		10/31/20 16:07	67-64-1	
Benzene	0.99	ug/m3	0.45	0.12	1.39		10/31/20 16:07	71-43-2	
Benzyl chloride	ND	ug/m3	3.7	0.62	1.39		10/31/20 16:07	100-44-7	
Bromodichloromethane	ND	ug/m3	1.9	0.41	1.39		10/31/20 16:07	75-27-4	
Bromoform	ND	ug/m3	7.3	2.5	1.39		10/31/20 16:07	75-25-2	
Bromomethane	ND	ug/m3	1.1	0.32	1.39		10/31/20 16:07	74-83-9	
1,3-Butadiene	ND	ug/m3	0.63	0.16	1.39		10/31/20 16:07	106-99-0	
2-Butanone (MEK)	4.5	ug/m3	4.2	0.93	1.39		10/31/20 16:07	78-93-3	
Carbon disulfide	17.5	ug/m3	0.88	0.33	1.39		10/31/20 16:07	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.8	0.48	1.39		10/31/20 16:07	56-23-5	
Chlorobenzene	ND	ug/m3	1.3	0.30	1.39		10/31/20 16:07	108-90-7	
Chloroethane	ND	ug/m3	0.75	0.14	1.39		10/31/20 16:07	75-00-3	
Chloroform	1.4	ug/m3	0.69	0.21	1.39		10/31/20 16:07	67-66-3	
Chloromethane	ND	ug/m3	0.58	0.16	1.39		10/31/20 16:07	74-87-3	
Cyclohexane	ND	ug/m3	2.4	0.26	1.39		10/31/20 16:07	110-82-7	
Dibromochloromethane	ND	ug/m3	2.4	0.55	1.39		10/31/20 16:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.1	0.31	1.39		10/31/20 16:07	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.7	0.47	1.39		10/31/20 16:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.7	0.54	1.39		10/31/20 16:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	4.3	0.73	1.39		10/31/20 16:07	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.4	0.28	1.39		10/31/20 16:07	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.1	0.24	1.39		10/31/20 16:07	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.57	0.27	1.39		10/31/20 16:07	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.1	0.26	1.39		10/31/20 16:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.1	0.21	1.39		10/31/20 16:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.1	0.20	1.39		10/31/20 16:07	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.3	0.22	1.39		10/31/20 16:07	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.3	0.26	1.39		10/31/20 16:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.3	0.22	1.39		10/31/20 16:07	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.0	0.57	1.39		10/31/20 16:07	76-14-2	
Ethanol	8.5	ug/m3	2.7	1.3	1.39		10/31/20 16:07	64-17-5	
Ethyl acetate	ND	ug/m3	1.0	0.29	1.39		10/31/20 16:07	141-78-6	
Ethylbenzene	ND	ug/m3	1.2	0.28	1.39		10/31/20 16:07	100-41-4	
4-Ethyltoluene	ND	ug/m3	3.5	0.49	1.39		10/31/20 16:07	622-96-8	
n-Heptane	ND	ug/m3	1.2	0.32	1.39		10/31/20 16:07	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	7.5	3.4	1.39		10/31/20 16:07	87-68-3	
n-Hexane	ND	ug/m3	1.0	0.30	1.39		10/31/20 16:07	110-54-3	
2-Hexanone	ND	ug/m3	5.8	0.69	1.39		10/31/20 16:07	591-78-6	
Methylene Chloride	ND	ug/m3	4.9	2.2	1.39		10/31/20 16:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	5.8	0.30	1.39		10/31/20 16:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.1	0.18	1.39		10/31/20 16:07	1634-04-4	
Naphthalene	ND	ug/m3	3.7	1.7	1.39		10/31/20 16:07	91-20-3	
2-Propanol	3.7	ug/m3	3.5	1.1	1.39		10/31/20 16:07	67-63-0	
Propylene	ND	ug/m3	0.49	0.18	1.39		10/31/20 16:07	115-07-1	
Styrene	ND	ug/m3	1.2	0.45	1.39		10/31/20 16:07	100-42-5	

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## ANALYTICAL RESULTS

Project: CHW8271N MDCC

Pace Project No.: 10535721

**Sample: SG-1**      **Lab ID: 10535721001**      Collected: 10/14/20 09:10      Received: 10/15/20 12:11      Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.9	0.21	1.39		10/31/20 16:07	79-34-5	
Tetrachloroethene	<b>12.7</b>	ug/m3	0.96	0.46	1.39		10/31/20 16:07	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.83	0.19	1.39		10/31/20 16:07	109-99-9	
Toluene	ND	ug/m3	1.1	0.27	1.39		10/31/20 16:07	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	10.5	4.6	1.39		10/31/20 16:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.5	0.23	1.39		10/31/20 16:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.77	0.23	1.39		10/31/20 16:07	79-00-5	
Trichloroethene	ND	ug/m3	0.76	0.23	1.39		10/31/20 16:07	79-01-6	
Trichlorofluoromethane	<b>1.7</b>	ug/m3	1.6	0.53	1.39		10/31/20 16:07	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.2	0.47	1.39		10/31/20 16:07	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.4	0.49	1.39		10/31/20 16:07	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.4	0.37	1.39		10/31/20 16:07	108-67-8	
Vinyl acetate	ND	ug/m3	1.0	0.19	1.39		10/31/20 16:07	108-05-4	
Vinyl chloride	ND	ug/m3	0.36	0.079	1.39		10/31/20 16:07	75-01-4	
m&p-Xylene	ND	ug/m3	2.5	0.58	1.39		10/31/20 16:07	179601-23-1	
o-Xylene	ND	ug/m3	1.2	0.33	1.39		10/31/20 16:07	95-47-6	

**Sample: SG-2**      **Lab ID: 10535721002**      Collected: 10/14/20 09:52      Received: 10/15/20 12:11      Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	ND	ug/m3	9.5	3.2	1.58		10/31/20 17:02	67-64-1	
Benzene	<b>0.65</b>	ug/m3	0.51	0.14	1.58		10/31/20 17:02	71-43-2	
Benzyl chloride	ND	ug/m3	4.2	0.71	1.58		10/31/20 17:02	100-44-7	
Bromodichloromethane	ND	ug/m3	2.1	0.47	1.58		10/31/20 17:02	75-27-4	
Bromoform	ND	ug/m3	8.3	2.9	1.58		10/31/20 17:02	75-25-2	
Bromomethane	ND	ug/m3	1.2	0.37	1.58		10/31/20 17:02	74-83-9	
1,3-Butadiene	ND	ug/m3	0.71	0.18	1.58		10/31/20 17:02	106-99-0	
2-Butanone (MEK)	<b>8.9</b>	ug/m3	4.7	1.1	1.58		10/31/20 17:02	78-93-3	
Carbon disulfide	<b>17.0</b>	ug/m3	1.0	0.38	1.58		10/31/20 17:02	75-15-0	
Carbon tetrachloride	ND	ug/m3	2.0	0.54	1.58		10/31/20 17:02	56-23-5	
Chlorobenzene	ND	ug/m3	1.5	0.34	1.58		10/31/20 17:02	108-90-7	
Chloroethane	ND	ug/m3	0.85	0.16	1.58		10/31/20 17:02	75-00-3	
Chloroform	ND	ug/m3	0.78	0.24	1.58		10/31/20 17:02	67-66-3	
Chloromethane	ND	ug/m3	0.66	0.19	1.58		10/31/20 17:02	74-87-3	
Cyclohexane	ND	ug/m3	2.8	0.30	1.58		10/31/20 17:02	110-82-7	
Dibromochloromethane	ND	ug/m3	2.7	0.63	1.58		10/31/20 17:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.2	0.35	1.58		10/31/20 17:02	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.9	0.53	1.58		10/31/20 17:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.9	0.61	1.58		10/31/20 17:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	4.8	0.83	1.58		10/31/20 17:02	106-46-7	

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## ANALYTICAL RESULTS

Project: CHW8271N MDCC

Pace Project No.: 10535721

**Sample: SG-2**      **Lab ID: 10535721002**      Collected: 10/14/20 09:52      Received: 10/15/20 12:11      Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15 Pace Analytical Services - Minneapolis									
Dichlorodifluoromethane	ND	ug/m3	1.6	0.31	1.58		10/31/20 17:02	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.3	0.27	1.58		10/31/20 17:02	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.65	0.30	1.58		10/31/20 17:02	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.3	0.29	1.58		10/31/20 17:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.3	0.24	1.58		10/31/20 17:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.3	0.22	1.58		10/31/20 17:02	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.5	0.24	1.58		10/31/20 17:02	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.5	0.29	1.58		10/31/20 17:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.5	0.25	1.58		10/31/20 17:02	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.2	0.64	1.58		10/31/20 17:02	76-14-2	
Ethanol	<b>5.1</b>	ug/m3	3.0	1.5	1.58		10/31/20 17:02	64-17-5	
Ethyl acetate	ND	ug/m3	1.2	0.33	1.58		10/31/20 17:02	141-78-6	
Ethylbenzene	ND	ug/m3	1.4	0.31	1.58		10/31/20 17:02	100-41-4	
4-Ethyltoluene	ND	ug/m3	4.0	0.55	1.58		10/31/20 17:02	622-96-8	
n-Heptane	ND	ug/m3	1.3	0.37	1.58		10/31/20 17:02	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	8.6	3.8	1.58		10/31/20 17:02	87-68-3	
n-Hexane	<b>2.6</b>	ug/m3	1.1	0.34	1.58		10/31/20 17:02	110-54-3	
2-Hexanone	ND	ug/m3	6.6	0.78	1.58		10/31/20 17:02	591-78-6	
Methylene Chloride	ND	ug/m3	5.6	2.5	1.58		10/31/20 17:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.6	0.34	1.58		10/31/20 17:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.8	0.20	1.58		10/31/20 17:02	1634-04-4	
Naphthalene	ND	ug/m3	4.2	2.0	1.58		10/31/20 17:02	91-20-3	
2-Propanol	ND	ug/m3	4.0	1.2	1.58		10/31/20 17:02	67-63-0	
Propylene	ND	ug/m3	0.55	0.20	1.58		10/31/20 17:02	115-07-1	
Styrene	ND	ug/m3	1.4	0.52	1.58		10/31/20 17:02	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	2.2	0.24	1.58		10/31/20 17:02	79-34-5	
Tetrachloroethene	<b>36.7</b>	ug/m3	1.1	0.52	1.58		10/31/20 17:02	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.95	0.22	1.58		10/31/20 17:02	109-99-9	
Toluene	ND	ug/m3	1.2	0.31	1.58		10/31/20 17:02	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	11.9	5.2	1.58		10/31/20 17:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.8	0.26	1.58		10/31/20 17:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.88	0.27	1.58		10/31/20 17:02	79-00-5	
Trichloroethene	ND	ug/m3	0.86	0.27	1.58		10/31/20 17:02	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.8	0.61	1.58		10/31/20 17:02	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.5	0.53	1.58		10/31/20 17:02	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.6	0.55	1.58		10/31/20 17:02	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.6	0.42	1.58		10/31/20 17:02	108-67-8	
Vinyl acetate	ND	ug/m3	1.1	0.21	1.58		10/31/20 17:02	108-05-4	
Vinyl chloride	ND	ug/m3	0.41	0.090	1.58		10/31/20 17:02	75-01-4	
m&p-Xylene	ND	ug/m3	2.8	0.65	1.58		10/31/20 17:02	179601-23-1	
o-Xylene	ND	ug/m3	1.4	0.37	1.58		10/31/20 17:02	95-47-6	

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## ANALYTICAL RESULTS

Project: CHW8271N MDCC

Pace Project No.: 10535721

**Sample: SG-3**      **Lab ID: 10535721003**      Collected: 10/14/20 10:26      Received: 10/15/20 12:11      Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15 Pace Analytical Services - Minneapolis									
Acetone	ND	ug/m3	9.2	3.1	1.52		10/31/20 17:56	67-64-1	
Benzene	ND	ug/m3	0.49	0.13	1.52		10/31/20 17:56	71-43-2	
Benzyl chloride	ND	ug/m3	4.0	0.68	1.52		10/31/20 17:56	100-44-7	
Bromodichloromethane	ND	ug/m3	2.1	0.45	1.52		10/31/20 17:56	75-27-4	
Bromoform	ND	ug/m3	8.0	2.8	1.52		10/31/20 17:56	75-25-2	
Bromomethane	ND	ug/m3	1.2	0.35	1.52		10/31/20 17:56	74-83-9	
1,3-Butadiene	ND	ug/m3	0.68	0.18	1.52		10/31/20 17:56	106-99-0	
2-Butanone (MEK)	<b>7.8</b>	ug/m3	4.6	1.0	1.52		10/31/20 17:56	78-93-3	
Carbon disulfide	<b>19.2</b>	ug/m3	0.96	0.36	1.52		10/31/20 17:56	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.9	0.52	1.52		10/31/20 17:56	56-23-5	
Chlorobenzene	ND	ug/m3	1.4	0.33	1.52		10/31/20 17:56	108-90-7	
Chloroethane	ND	ug/m3	0.81	0.16	1.52		10/31/20 17:56	75-00-3	
Chloroform	<b>2.0</b>	ug/m3	0.75	0.23	1.52		10/31/20 17:56	67-66-3	
Chloromethane	ND	ug/m3	0.64	0.18	1.52		10/31/20 17:56	74-87-3	
Cyclohexane	ND	ug/m3	2.7	0.29	1.52		10/31/20 17:56	110-82-7	
Dibromochloromethane	ND	ug/m3	2.6	0.60	1.52		10/31/20 17:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.2	0.34	1.52		10/31/20 17:56	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.9	0.51	1.52		10/31/20 17:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.9	0.59	1.52		10/31/20 17:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	4.7	0.80	1.52		10/31/20 17:56	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.5	0.30	1.52		10/31/20 17:56	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.3	0.26	1.52		10/31/20 17:56	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.62	0.29	1.52		10/31/20 17:56	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.2	0.28	1.52		10/31/20 17:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.2	0.23	1.52		10/31/20 17:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.2	0.21	1.52		10/31/20 17:56	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.4	0.24	1.52		10/31/20 17:56	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.4	0.28	1.52		10/31/20 17:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.4	0.24	1.52		10/31/20 17:56	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.2	0.62	1.52		10/31/20 17:56	76-14-2	
Ethanol	<b>3.9</b>	ug/m3	2.9	1.4	1.52		10/31/20 17:56	64-17-5	
Ethyl acetate	ND	ug/m3	1.1	0.32	1.52		10/31/20 17:56	141-78-6	
Ethylbenzene	ND	ug/m3	1.3	0.30	1.52		10/31/20 17:56	100-41-4	
4-Ethyltoluene	ND	ug/m3	3.8	0.53	1.52		10/31/20 17:56	622-96-8	
n-Heptane	<b>1.6</b>	ug/m3	1.3	0.35	1.52		10/31/20 17:56	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	8.2	3.7	1.52		10/31/20 17:56	87-68-3	
n-Hexane	ND	ug/m3	1.1	0.32	1.52		10/31/20 17:56	110-54-3	
2-Hexanone	ND	ug/m3	6.3	0.75	1.52		10/31/20 17:56	591-78-6	
Methylene Chloride	ND	ug/m3	5.4	2.4	1.52		10/31/20 17:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.3	0.33	1.52		10/31/20 17:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.6	0.20	1.52		10/31/20 17:56	1634-04-4	
Naphthalene	ND	ug/m3	4.0	1.9	1.52		10/31/20 17:56	91-20-3	
2-Propanol	ND	ug/m3	3.8	1.2	1.52		10/31/20 17:56	67-63-0	
Propylene	ND	ug/m3	0.53	0.20	1.52		10/31/20 17:56	115-07-1	
Styrene	ND	ug/m3	1.3	0.50	1.52		10/31/20 17:56	100-42-5	

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### ANALYTICAL RESULTS

Project: CHW8271N MDCC

Pace Project No.: 10535721

Sample: **SG-3** Lab ID: **10535721003** Collected: 10/14/20 10:26 Received: 10/15/20 12:11 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
1,1,2,2-Tetrachloroethane	ND	ug/m3	2.1	0.23	1.52		10/31/20 17:56	79-34-5	
Tetrachloroethene	<b>46.9</b>	ug/m3	1.0	0.50	1.52		10/31/20 17:56	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.91	0.21	1.52		10/31/20 17:56	109-99-9	
Toluene	ND	ug/m3	1.2	0.30	1.52		10/31/20 17:56	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	11.5	5.0	1.52		10/31/20 17:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.7	0.25	1.52		10/31/20 17:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.84	0.26	1.52		10/31/20 17:56	79-00-5	
Trichloroethene	ND	ug/m3	0.83	0.26	1.52		10/31/20 17:56	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.7	0.58	1.52		10/31/20 17:56	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.4	0.51	1.52		10/31/20 17:56	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.5	0.53	1.52		10/31/20 17:56	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.5	0.41	1.52		10/31/20 17:56	108-67-8	
Vinyl acetate	ND	ug/m3	1.1	0.21	1.52		10/31/20 17:56	108-05-4	
Vinyl chloride	ND	ug/m3	0.40	0.086	1.52		10/31/20 17:56	75-01-4	
m&p-Xylene	ND	ug/m3	2.7	0.63	1.52		10/31/20 17:56	179601-23-1	
o-Xylene	ND	ug/m3	1.3	0.36	1.52		10/31/20 17:56	95-47-6	

Sample: **SG-5** Lab ID: **10535721004** Collected: 10/14/20 12:12 Received: 10/15/20 12:11 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	<b>48.6</b>	ug/m3	9.2	3.1	1.52		10/31/20 18:23	67-64-1	
Benzene	<b>1.0</b>	ug/m3	0.49	0.13	1.52		10/31/20 18:23	71-43-2	
Benzyl chloride	ND	ug/m3	4.0	0.68	1.52		10/31/20 18:23	100-44-7	
Bromodichloromethane	ND	ug/m3	2.1	0.45	1.52		10/31/20 18:23	75-27-4	
Bromoform	ND	ug/m3	8.0	2.8	1.52		10/31/20 18:23	75-25-2	
Bromomethane	ND	ug/m3	1.2	0.35	1.52		10/31/20 18:23	74-83-9	
1,3-Butadiene	ND	ug/m3	0.68	0.18	1.52		10/31/20 18:23	106-99-0	
2-Butanone (MEK)	ND	ug/m3	4.6	1.0	1.52		10/31/20 18:23	78-93-3	
Carbon disulfide	<b>36.5</b>	ug/m3	0.96	0.36	1.52		10/31/20 18:23	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.9	0.52	1.52		10/31/20 18:23	56-23-5	
Chlorobenzene	ND	ug/m3	1.4	0.33	1.52		10/31/20 18:23	108-90-7	
Chloroethane	ND	ug/m3	0.81	0.16	1.52		10/31/20 18:23	75-00-3	
Chloroform	ND	ug/m3	0.75	0.23	1.52		10/31/20 18:23	67-66-3	
Chloromethane	ND	ug/m3	0.64	0.18	1.52		10/31/20 18:23	74-87-3	
Cyclohexane	ND	ug/m3	2.7	0.29	1.52		10/31/20 18:23	110-82-7	
Dibromochloromethane	ND	ug/m3	2.6	0.60	1.52		10/31/20 18:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.2	0.34	1.52		10/31/20 18:23	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.9	0.51	1.52		10/31/20 18:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.9	0.59	1.52		10/31/20 18:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	4.7	0.80	1.52		10/31/20 18:23	106-46-7	

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## ANALYTICAL RESULTS

Project: CHW8271N MDCC

Pace Project No.: 10535721

**Sample: SG-5**      **Lab ID: 10535721004**      Collected: 10/14/20 12:12      Received: 10/15/20 12:11      Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15 Pace Analytical Services - Minneapolis									
Dichlorodifluoromethane	2.0	ug/m3	1.5	0.30	1.52		10/31/20 18:23	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.3	0.26	1.52		10/31/20 18:23	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.62	0.29	1.52		10/31/20 18:23	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.2	0.28	1.52		10/31/20 18:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.2	0.23	1.52		10/31/20 18:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.2	0.21	1.52		10/31/20 18:23	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.4	0.24	1.52		10/31/20 18:23	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.4	0.28	1.52		10/31/20 18:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.4	0.24	1.52		10/31/20 18:23	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.2	0.62	1.52		10/31/20 18:23	76-14-2	
Ethanol	3.6	ug/m3	2.9	1.4	1.52		10/31/20 18:23	64-17-5	
Ethyl acetate	ND	ug/m3	1.1	0.32	1.52		10/31/20 18:23	141-78-6	
Ethylbenzene	ND	ug/m3	1.3	0.30	1.52		10/31/20 18:23	100-41-4	
4-Ethyltoluene	ND	ug/m3	3.8	0.53	1.52		10/31/20 18:23	622-96-8	
n-Heptane	ND	ug/m3	1.3	0.35	1.52		10/31/20 18:23	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	8.2	3.7	1.52		10/31/20 18:23	87-68-3	
n-Hexane	ND	ug/m3	1.1	0.32	1.52		10/31/20 18:23	110-54-3	
2-Hexanone	ND	ug/m3	6.3	0.75	1.52		10/31/20 18:23	591-78-6	
Methylene Chloride	ND	ug/m3	5.4	2.4	1.52		10/31/20 18:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.3	0.33	1.52		10/31/20 18:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.6	0.20	1.52		10/31/20 18:23	1634-04-4	
Naphthalene	ND	ug/m3	4.0	1.9	1.52		10/31/20 18:23	91-20-3	
2-Propanol	8.6	ug/m3	3.8	1.2	1.52		10/31/20 18:23	67-63-0	
Propylene	ND	ug/m3	0.53	0.20	1.52		10/31/20 18:23	115-07-1	
Styrene	ND	ug/m3	1.3	0.50	1.52		10/31/20 18:23	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	2.1	0.23	1.52		10/31/20 18:23	79-34-5	
Tetrachloroethene	8150	ug/m3	62.8	30.0	91.2		11/01/20 16:13	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.91	0.21	1.52		10/31/20 18:23	109-99-9	
Toluene	2.9	ug/m3	1.2	0.30	1.52		10/31/20 18:23	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	11.5	5.0	1.52		10/31/20 18:23	120-82-1	
1,1,1-Trichloroethane	10.5	ug/m3	1.7	0.25	1.52		10/31/20 18:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.84	0.26	1.52		10/31/20 18:23	79-00-5	
Trichloroethene	527	ug/m3	49.8	15.3	91.2		11/01/20 16:13	79-01-6	
Trichlorofluoromethane	6.8	ug/m3	1.7	0.58	1.52		10/31/20 18:23	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.4	0.51	1.52		10/31/20 18:23	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.5	0.53	1.52		10/31/20 18:23	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.5	0.41	1.52		10/31/20 18:23	108-67-8	
Vinyl acetate	ND	ug/m3	1.1	0.21	1.52		10/31/20 18:23	108-05-4	
Vinyl chloride	ND	ug/m3	0.40	0.086	1.52		10/31/20 18:23	75-01-4	
m&p-Xylene	ND	ug/m3	2.7	0.63	1.52		10/31/20 18:23	179601-23-1	
o-Xylene	ND	ug/m3	1.3	0.36	1.52		10/31/20 18:23	95-47-6	

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## ANALYTICAL RESULTS

Project: CHW8271N MDCC

Pace Project No.: 10535721

Sample: **SG-5 DUP** Lab ID: **10535721005** Collected: 10/14/20 12:12 Received: 10/15/20 12:11 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	<b>44.8</b>	ug/m3	9.2	3.1	1.52		10/31/20 18:50	67-64-1	
Benzene	<b>1.0</b>	ug/m3	0.49	0.13	1.52		10/31/20 18:50	71-43-2	
Benzyl chloride	ND	ug/m3	4.0	0.68	1.52		10/31/20 18:50	100-44-7	
Bromodichloromethane	ND	ug/m3	2.1	0.45	1.52		10/31/20 18:50	75-27-4	
Bromoform	ND	ug/m3	8.0	2.8	1.52		10/31/20 18:50	75-25-2	
Bromomethane	ND	ug/m3	1.2	0.35	1.52		10/31/20 18:50	74-83-9	
1,3-Butadiene	ND	ug/m3	0.68	0.18	1.52		10/31/20 18:50	106-99-0	
2-Butanone (MEK)	ND	ug/m3	4.6	1.0	1.52		10/31/20 18:50	78-93-3	
Carbon disulfide	<b>36.0</b>	ug/m3	0.96	0.36	1.52		10/31/20 18:50	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.9	0.52	1.52		10/31/20 18:50	56-23-5	
Chlorobenzene	ND	ug/m3	1.4	0.33	1.52		10/31/20 18:50	108-90-7	
Chloroethane	ND	ug/m3	0.81	0.16	1.52		10/31/20 18:50	75-00-3	
Chloroform	ND	ug/m3	0.75	0.23	1.52		10/31/20 18:50	67-66-3	
Chloromethane	ND	ug/m3	0.64	0.18	1.52		10/31/20 18:50	74-87-3	
Cyclohexane	ND	ug/m3	2.7	0.29	1.52		10/31/20 18:50	110-82-7	
Dibromochloromethane	ND	ug/m3	2.6	0.60	1.52		10/31/20 18:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.2	0.34	1.52		10/31/20 18:50	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.9	0.51	1.52		10/31/20 18:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.9	0.59	1.52		10/31/20 18:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	4.7	0.80	1.52		10/31/20 18:50	106-46-7	
Dichlorodifluoromethane	<b>1.8</b>	ug/m3	1.5	0.30	1.52		10/31/20 18:50	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.3	0.26	1.52		10/31/20 18:50	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.62	0.29	1.52		10/31/20 18:50	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.2	0.28	1.52		10/31/20 18:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.2	0.23	1.52		10/31/20 18:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.2	0.21	1.52		10/31/20 18:50	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.4	0.24	1.52		10/31/20 18:50	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.4	0.28	1.52		10/31/20 18:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.4	0.24	1.52		10/31/20 18:50	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.2	0.62	1.52		10/31/20 18:50	76-14-2	
Ethanol	<b>4.8</b>	ug/m3	2.9	1.4	1.52		10/31/20 18:50	64-17-5	
Ethyl acetate	ND	ug/m3	1.1	0.32	1.52		10/31/20 18:50	141-78-6	
Ethylbenzene	ND	ug/m3	1.3	0.30	1.52		10/31/20 18:50	100-41-4	
4-Ethyltoluene	ND	ug/m3	3.8	0.53	1.52		10/31/20 18:50	622-96-8	
n-Heptane	ND	ug/m3	1.3	0.35	1.52		10/31/20 18:50	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	8.2	3.7	1.52		10/31/20 18:50	87-68-3	
n-Hexane	ND	ug/m3	1.1	0.32	1.52		10/31/20 18:50	110-54-3	
2-Hexanone	ND	ug/m3	6.3	0.75	1.52		10/31/20 18:50	591-78-6	
Methylene Chloride	ND	ug/m3	5.4	2.4	1.52		10/31/20 18:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.3	0.33	1.52		10/31/20 18:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.6	0.20	1.52		10/31/20 18:50	1634-04-4	
Naphthalene	ND	ug/m3	4.0	1.9	1.52		10/31/20 18:50	91-20-3	
2-Propanol	<b>8.7</b>	ug/m3	3.8	1.2	1.52		10/31/20 18:50	67-63-0	
Propylene	ND	ug/m3	0.53	0.20	1.52		10/31/20 18:50	115-07-1	
Styrene	ND	ug/m3	1.3	0.50	1.52		10/31/20 18:50	100-42-5	

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### ANALYTICAL RESULTS

Project: CHW8271N MDCC

Pace Project No.: 10535721

Sample: **SG-5 DUP** Lab ID: **10535721005** Collected: 10/14/20 12:12 Received: 10/15/20 12:11 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
1,1,2,2-Tetrachloroethane	ND	ug/m3	2.1	0.23	1.52		10/31/20 18:50	79-34-5	
Tetrachloroethene	<b>8440</b>	ug/m3	62.8	30.0	91.2		11/01/20 17:03	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.91	0.21	1.52		10/31/20 18:50	109-99-9	
Toluene	<b>3.2</b>	ug/m3	1.2	0.30	1.52		10/31/20 18:50	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	11.5	5.0	1.52		10/31/20 18:50	120-82-1	
1,1,1-Trichloroethane	<b>10.6</b>	ug/m3	1.7	0.25	1.52		10/31/20 18:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.84	0.26	1.52		10/31/20 18:50	79-00-5	
Trichloroethene	<b>533</b>	ug/m3	49.8	15.3	91.2		11/01/20 17:03	79-01-6	
Trichlorofluoromethane	<b>6.9</b>	ug/m3	1.7	0.58	1.52		10/31/20 18:50	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.4	0.51	1.52		10/31/20 18:50	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.5	0.53	1.52		10/31/20 18:50	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.5	0.41	1.52		10/31/20 18:50	108-67-8	
Vinyl acetate	ND	ug/m3	1.1	0.21	1.52		10/31/20 18:50	108-05-4	
Vinyl chloride	ND	ug/m3	0.40	0.086	1.52		10/31/20 18:50	75-01-4	
m&p-Xylene	<b>2.8</b>	ug/m3	2.7	0.63	1.52		10/31/20 18:50	179601-23-1	
o-Xylene	ND	ug/m3	1.3	0.36	1.52		10/31/20 18:50	95-47-6	

Sample: **SG-6** Lab ID: **10535721006** Collected: 10/14/20 13:03 Received: 10/15/20 12:11 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	ND	ug/m3	9.5	3.2	1.58		10/31/20 19:17	67-64-1	
Benzene	<b>1.7</b>	ug/m3	0.51	0.14	1.58		10/31/20 19:17	71-43-2	
Benzyl chloride	ND	ug/m3	4.2	0.71	1.58		10/31/20 19:17	100-44-7	
Bromodichloromethane	ND	ug/m3	2.1	0.47	1.58		10/31/20 19:17	75-27-4	
Bromoform	ND	ug/m3	8.3	2.9	1.58		10/31/20 19:17	75-25-2	
Bromomethane	ND	ug/m3	1.2	0.37	1.58		10/31/20 19:17	74-83-9	
1,3-Butadiene	ND	ug/m3	0.71	0.18	1.58		10/31/20 19:17	106-99-0	
2-Butanone (MEK)	ND	ug/m3	4.7	1.1	1.58		10/31/20 19:17	78-93-3	
Carbon disulfide	<b>2.4</b>	ug/m3	1.0	0.38	1.58		10/31/20 19:17	75-15-0	
Carbon tetrachloride	ND	ug/m3	2.0	0.54	1.58		10/31/20 19:17	56-23-5	
Chlorobenzene	ND	ug/m3	1.5	0.34	1.58		10/31/20 19:17	108-90-7	
Chloroethane	ND	ug/m3	0.85	0.16	1.58		10/31/20 19:17	75-00-3	
Chloroform	ND	ug/m3	0.78	0.24	1.58		10/31/20 19:17	67-66-3	
Chloromethane	ND	ug/m3	0.66	0.19	1.58		10/31/20 19:17	74-87-3	
Cyclohexane	<b>5.6</b>	ug/m3	2.8	0.30	1.58		10/31/20 19:17	110-82-7	
Dibromochloromethane	ND	ug/m3	2.7	0.63	1.58		10/31/20 19:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.2	0.35	1.58		10/31/20 19:17	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.9	0.53	1.58		10/31/20 19:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.9	0.61	1.58		10/31/20 19:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	4.8	0.83	1.58		10/31/20 19:17	106-46-7	

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## ANALYTICAL RESULTS

Project: CHW8271N MDCC

Pace Project No.: 10535721

Sample: **SG-6** Lab ID: **10535721006** Collected: 10/14/20 13:03 Received: 10/15/20 12:11 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Dichlorodifluoromethane	ND	ug/m3	1.6	0.31	1.58		10/31/20 19:17	75-71-8	
1,1-Dichloroethane	<b>6520</b>	ug/m3	312	64.5	379.2		11/01/20 17:28	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.65	0.30	1.58		10/31/20 19:17	107-06-2	
1,1-Dichloroethene	<b>60.8</b>	ug/m3	1.3	0.29	1.58		10/31/20 19:17	75-35-4	
cis-1,2-Dichloroethene	<b>7660</b>	ug/m3	306	56.9	379.2		11/01/20 17:28	156-59-2	
trans-1,2-Dichloroethene	<b>616</b>	ug/m3	306	53.5	379.2		11/01/20 17:28	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.5	0.24	1.58		10/31/20 19:17	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.5	0.29	1.58		10/31/20 19:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.5	0.25	1.58		10/31/20 19:17	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.2	0.64	1.58		10/31/20 19:17	76-14-2	
Ethanol	<b>7.5</b>	ug/m3	3.0	1.5	1.58		10/31/20 19:17	64-17-5	
Ethyl acetate	ND	ug/m3	1.2	0.33	1.58		10/31/20 19:17	141-78-6	
Ethylbenzene	<b>1.9</b>	ug/m3	1.4	0.31	1.58		10/31/20 19:17	100-41-4	
4-Ethyltoluene	ND	ug/m3	4.0	0.55	1.58		10/31/20 19:17	622-96-8	
n-Heptane	ND	ug/m3	1.3	0.37	1.58		10/31/20 19:17	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	8.6	3.8	1.58		10/31/20 19:17	87-68-3	
n-Hexane	<b>10.1</b>	ug/m3	1.1	0.34	1.58		10/31/20 19:17	110-54-3	
2-Hexanone	ND	ug/m3	6.6	0.78	1.58		10/31/20 19:17	591-78-6	
Methylene Chloride	ND	ug/m3	5.6	2.5	1.58		10/31/20 19:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.6	0.34	1.58		10/31/20 19:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.8	0.20	1.58		10/31/20 19:17	1634-04-4	
Naphthalene	ND	ug/m3	4.2	2.0	1.58		10/31/20 19:17	91-20-3	
2-Propanol	<b>7.1</b>	ug/m3	4.0	1.2	1.58		10/31/20 19:17	67-63-0	
Propylene	ND	ug/m3	0.55	0.20	1.58		10/31/20 19:17	115-07-1	
Styrene	ND	ug/m3	1.4	0.52	1.58		10/31/20 19:17	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	2.2	0.24	1.58		10/31/20 19:17	79-34-5	
Tetrachloroethene	<b>96.5</b>	ug/m3	1.1	0.52	1.58		10/31/20 19:17	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.95	0.22	1.58		10/31/20 19:17	109-99-9	
Toluene	<b>6.5</b>	ug/m3	1.2	0.31	1.58		10/31/20 19:17	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	11.9	5.2	1.58		10/31/20 19:17	120-82-1	
1,1,1-Trichloroethane	<b>3680</b>	ug/m3	421	62.9	379.2		11/01/20 17:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.88	0.27	1.58		10/31/20 19:17	79-00-5	
Trichloroethene	<b>1610</b>	ug/m3	207	63.7	379.2		11/01/20 17:28	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.8	0.61	1.58		10/31/20 19:17	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.5	0.53	1.58		10/31/20 19:17	76-13-1	
1,2,4-Trimethylbenzene	<b>2.6</b>	ug/m3	1.6	0.55	1.58		10/31/20 19:17	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.6	0.42	1.58		10/31/20 19:17	108-67-8	
Vinyl acetate	ND	ug/m3	1.1	0.21	1.58		10/31/20 19:17	108-05-4	
Vinyl chloride	<b>2630</b>	ug/m3	98.6	21.5	379.2		11/01/20 17:28	75-01-4	
m&p-Xylene	<b>5.7</b>	ug/m3	2.8	0.65	1.58		10/31/20 19:17	179601-23-1	
o-Xylene	<b>1.6</b>	ug/m3	1.4	0.37	1.58		10/31/20 19:17	95-47-6	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: CHW8271N MDCC

Pace Project No.: 10535721

**Sample: SG-7**      **Lab ID: 10535721007**      Collected: 10/14/20 14:15      Received: 10/15/20 12:11      Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	ND	ug/m3	8.8	3.0	1.46		10/31/20 19:44	67-64-1	
Benzene	<b>0.48</b>	ug/m3	0.47	0.13	1.46		10/31/20 19:44	71-43-2	
Benzyl chloride	ND	ug/m3	3.8	0.65	1.46		10/31/20 19:44	100-44-7	
Bromodichloromethane	ND	ug/m3	2.0	0.44	1.46		10/31/20 19:44	75-27-4	
Bromoform	ND	ug/m3	7.7	2.6	1.46		10/31/20 19:44	75-25-2	
Bromomethane	ND	ug/m3	1.2	0.34	1.46		10/31/20 19:44	74-83-9	
1,3-Butadiene	ND	ug/m3	0.66	0.17	1.46		10/31/20 19:44	106-99-0	
2-Butanone (MEK)	<b>5.2</b>	ug/m3	4.4	0.98	1.46		10/31/20 19:44	78-93-3	
Carbon disulfide	<b>11.5</b>	ug/m3	0.92	0.35	1.46		10/31/20 19:44	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.9	0.50	1.46		10/31/20 19:44	56-23-5	
Chlorobenzene	ND	ug/m3	1.4	0.32	1.46		10/31/20 19:44	108-90-7	
Chloroethane	ND	ug/m3	0.78	0.15	1.46		10/31/20 19:44	75-00-3	
Chloroform	ND	ug/m3	0.72	0.22	1.46		10/31/20 19:44	67-66-3	
Chloromethane	ND	ug/m3	0.61	0.17	1.46		10/31/20 19:44	74-87-3	
Cyclohexane	ND	ug/m3	2.6	0.28	1.46		10/31/20 19:44	110-82-7	
Dibromochloromethane	ND	ug/m3	2.5	0.58	1.46		10/31/20 19:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.1	0.32	1.46		10/31/20 19:44	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.8	0.49	1.46		10/31/20 19:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.8	0.56	1.46		10/31/20 19:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	4.5	0.77	1.46		10/31/20 19:44	106-46-7	
Dichlorodifluoromethane	<b>1.6</b>	ug/m3	1.5	0.29	1.46		10/31/20 19:44	75-71-8	
1,1-Dichloroethane	<b>19.6</b>	ug/m3	1.2	0.25	1.46		10/31/20 19:44	75-34-3	C8
1,2-Dichloroethane	ND	ug/m3	0.60	0.28	1.46		10/31/20 19:44	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.2	0.27	1.46		10/31/20 19:44	75-35-4	
cis-1,2-Dichloroethene	<b>3050</b>	ug/m3	70.6	13.1	87.6		11/01/20 16:38	156-59-2	
trans-1,2-Dichloroethene	<b>558</b>	ug/m3	70.6	12.4	87.6		11/01/20 16:38	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.4	0.23	1.46		10/31/20 19:44	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.3	0.27	1.46		10/31/20 19:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.3	0.23	1.46		10/31/20 19:44	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.1	0.59	1.46		10/31/20 19:44	76-14-2	
Ethanol	<b>7.5</b>	ug/m3	2.8	1.4	1.46		10/31/20 19:44	64-17-5	
Ethyl acetate	ND	ug/m3	1.1	0.31	1.46		10/31/20 19:44	141-78-6	
Ethylbenzene	ND	ug/m3	1.3	0.29	1.46		10/31/20 19:44	100-41-4	
4-Ethyltoluene	ND	ug/m3	3.6	0.51	1.46		10/31/20 19:44	622-96-8	
n-Heptane	ND	ug/m3	1.2	0.34	1.46		10/31/20 19:44	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	7.9	3.5	1.46		10/31/20 19:44	87-68-3	
n-Hexane	ND	ug/m3	1.0	0.31	1.46		10/31/20 19:44	110-54-3	
2-Hexanone	ND	ug/m3	6.1	0.72	1.46		10/31/20 19:44	591-78-6	
Methylene Chloride	ND	ug/m3	5.2	2.3	1.46		10/31/20 19:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.1	0.32	1.46		10/31/20 19:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.3	0.19	1.46		10/31/20 19:44	1634-04-4	
Naphthalene	ND	ug/m3	3.9	1.8	1.46		10/31/20 19:44	91-20-3	
2-Propanol	ND	ug/m3	3.6	1.2	1.46		10/31/20 19:44	67-63-0	
Propylene	ND	ug/m3	0.51	0.19	1.46		10/31/20 19:44	115-07-1	
Styrene	ND	ug/m3	1.3	0.48	1.46		10/31/20 19:44	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: CHW8271N MDCC

Pace Project No.: 10535721

**Sample: SG-7**      **Lab ID: 10535721007**      Collected: 10/14/20 14:15      Received: 10/15/20 12:11      Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
1,1,2,2-Tetrachloroethane	ND	ug/m3	2.0	0.22	1.46		10/31/20 19:44	79-34-5	
Tetrachloroethene	<b>116</b>	ug/m3	1.0	0.48	1.46		10/31/20 19:44	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.88	0.20	1.46		10/31/20 19:44	109-99-9	
Toluene	ND	ug/m3	1.1	0.29	1.46		10/31/20 19:44	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	11.0	4.8	1.46		10/31/20 19:44	120-82-1	
1,1,1-Trichloroethane	<b>5.0</b>	ug/m3	1.6	0.24	1.46		10/31/20 19:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.81	0.25	1.46		10/31/20 19:44	79-00-5	
Trichloroethene	<b>117</b>	ug/m3	0.80	0.25	1.46		10/31/20 19:44	79-01-6	
Trichlorofluoromethane	<b>1.9</b>	ug/m3	1.7	0.56	1.46		10/31/20 19:44	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.3	0.49	1.46		10/31/20 19:44	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.5	0.51	1.46		10/31/20 19:44	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.5	0.39	1.46		10/31/20 19:44	108-67-8	
Vinyl acetate	ND	ug/m3	1.0	0.20	1.46		10/31/20 19:44	108-05-4	
Vinyl chloride	<b>2.5</b>	ug/m3	0.38	0.083	1.46		10/31/20 19:44	75-01-4	C8
m&p-Xylene	ND	ug/m3	2.6	0.60	1.46		10/31/20 19:44	179601-23-1	
o-Xylene	ND	ug/m3	1.3	0.34	1.46		10/31/20 19:44	95-47-6	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: CHW8271N MDCC

Pace Project No.: 10535721

METHOD BLANK: 3782734

Matrix: Air

Associated Lab Samples: 10535721001, 10535721002, 10535721003, 10535721004, 10535721005, 10535721006, 10535721007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl acetate	ug/m3	ND	0.73	10/31/20 09:12	
Ethylbenzene	ug/m3	ND	0.88	10/31/20 09:12	
Hexachloro-1,3-butadiene	ug/m3	ND	5.4	10/31/20 09:12	
m&p-Xylene	ug/m3	ND	1.8	10/31/20 09:12	
Methyl-tert-butyl ether	ug/m3	ND	3.7	10/31/20 09:12	
Methylene Chloride	ug/m3	ND	3.5	10/31/20 09:12	
n-Heptane	ug/m3	ND	0.83	10/31/20 09:12	
n-Hexane	ug/m3	ND	0.72	10/31/20 09:12	
Naphthalene	ug/m3	ND	2.7	10/31/20 09:12	
o-Xylene	ug/m3	ND	0.88	10/31/20 09:12	
Propylene	ug/m3	ND	0.35	10/31/20 09:12	
Styrene	ug/m3	ND	0.87	10/31/20 09:12	
Tetrachloroethene	ug/m3	ND	0.69	10/31/20 09:12	
Tetrahydrofuran	ug/m3	ND	0.60	10/31/20 09:12	
Toluene	ug/m3	ND	0.77	10/31/20 09:12	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	10/31/20 09:12	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	10/31/20 09:12	
Trichloroethene	ug/m3	ND	0.55	10/31/20 09:12	
Trichlorofluoromethane	ug/m3	ND	1.1	10/31/20 09:12	
Vinyl acetate	ug/m3	ND	0.72	10/31/20 09:12	
Vinyl chloride	ug/m3	ND	0.26	10/31/20 09:12	

LABORATORY CONTROL SAMPLE: 3782735

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	57	66.2	116	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	71.9	85.7	119	70-132	
1,1,2-Trichloroethane	ug/m3	57.3	58.6	102	70-133	
1,1,2-Trichlorotrifluoroethane	ug/m3	80.3	91.3	114	70-130	
1,1-Dichloroethane	ug/m3	42.7	45.5	107	70-130	
1,1-Dichloroethene	ug/m3	41.4	48.4	117	69-137	
1,2,4-Trichlorobenzene	ug/m3	156	188	121	70-130	
1,2,4-Trimethylbenzene	ug/m3	51.5	50.2	97	70-137	
1,2-Dibromoethane (EDB)	ug/m3	80.3	82.1	102	70-138	
1,2-Dichlorobenzene	ug/m3	63.1	78.6	125	70-136	
1,2-Dichloroethane	ug/m3	42.4	47.4	112	70-130	
1,2-Dichloropropane	ug/m3	48.6	50.8	105	70-132	
1,3,5-Trimethylbenzene	ug/m3	51.6	46.8	91	70-136	
1,3-Butadiene	ug/m3	23.3	27.7	119	67-139	
1,3-Dichlorobenzene	ug/m3	63.4	61.7	97	70-138	
1,4-Dichlorobenzene	ug/m3	63.4	65.4	103	70-145	
2-Butanone (MEK)	ug/m3	31.4	29.7	95	61-130	
2-Hexanone	ug/m3	42.8	45.7	107	70-138	
2-Propanol	ug/m3	119	133	112	70-136	

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### QUALITY CONTROL DATA

Project: CHW8271N MDCC

Pace Project No.: 10535721

LABORATORY CONTROL SAMPLE: 3782735

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Ethyltoluene	ug/m3	52.4	52.4	100	70-142	
4-Methyl-2-pentanone (MIBK)	ug/m3	43.6	45.8	105	70-134	
Acetone	ug/m3	126	145	115	59-137	
Benzene	ug/m3	33.5	34.5	103	70-133	
Benzyl chloride	ug/m3	55.1	64.6	117	70-139	
Bromodichloromethane	ug/m3	71.5	81.1	113	70-130	
Bromoform	ug/m3	110	174	158	60-140	CH,L3
Bromomethane	ug/m3	41.3	50.8	123	70-131	
Carbon disulfide	ug/m3	33.3	35.8	108	70-130	
Carbon tetrachloride	ug/m3	66.2	82.0	124	70-133	
Chlorobenzene	ug/m3	48.3	60.4	125	70-131	
Chloroethane	ug/m3	28.1	35.1	125	70-141	
Chloroform	ug/m3	51.1	56.5	111	70-130	
Chloromethane	ug/m3	21.9	24.8	113	64-137	
cis-1,2-Dichloroethene	ug/m3	41.6	44.0	106	70-132	
cis-1,3-Dichloropropene	ug/m3	47.7	53.4	112	70-138	
Cyclohexane	ug/m3	36.7	40.8	111	70-133	
Dibromochloromethane	ug/m3	90.7	110	121	70-139	
Dichlorodifluoromethane	ug/m3	51.6	60.4	117	70-130	
Dichlorotetrafluoroethane	ug/m3	72.7	86.3	119	65-133	
Ethanol	ug/m3	103	114	111	65-135	
Ethyl acetate	ug/m3	38.6	39.9	104	70-135	
Ethylbenzene	ug/m3	45.6	46.4	102	70-142	
Hexachloro-1,3-butadiene	ug/m3	112	154	138	70-134	CH,L3
m&p-Xylene	ug/m3	91.2	94.0	103	70-141	
Methyl-tert-butyl ether	ug/m3	38.4	43.9	114	70-131	
Methylene Chloride	ug/m3	182	200	110	69-130	
n-Heptane	ug/m3	43.6	46.1	106	70-130	
n-Hexane	ug/m3	37.6	39.5	105	70-131	
Naphthalene	ug/m3	57.7	64.1	111	63-130	
o-Xylene	ug/m3	45.5	44.2	97	70-135	
Propylene	ug/m3	18.2	20.0	110	63-139	
Styrene	ug/m3	44.9	47.1	105	70-143	
Tetrachloroethene	ug/m3	71	67.4	95	70-136	
Tetrahydrofuran	ug/m3	31.5	31.8	101	70-137	
Toluene	ug/m3	39.5	41.8	106	70-136	
trans-1,2-Dichloroethene	ug/m3	42.2	45.2	107	70-132	
trans-1,3-Dichloropropene	ug/m3	47.7	55.3	116	70-139	
Trichloroethene	ug/m3	56.3	61.0	108	70-132	
Trichlorofluoromethane	ug/m3	59.7	75.2	126	65-136	
Vinyl acetate	ug/m3	34.5	40.3	117	66-140	
Vinyl chloride	ug/m3	26.7	32.3	121	68-141	

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### QUALITY CONTROL DATA

Project: CHW8271N MDCC  
Pace Project No.: 10535721

SAMPLE DUPLICATE: 3783019

Parameter	Units	10535721001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	.48J		25	
1,1-Dichloroethane	ug/m3	ND	ND		25	
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	ND	ND		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	ND	ND		25	
1,2-Dichloropropane	ug/m3	ND	ND		25	
1,3,5-Trimethylbenzene	ug/m3	ND	ND		25	
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	ND	ND		25	
2-Butanone (MEK)	ug/m3	4.5	4.2	6	25	
2-Hexanone	ug/m3	ND	ND		25	
2-Propanol	ug/m3	3.7	3.4J		25	
4-Ethyltoluene	ug/m3	ND	ND		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND		25	
Acetone	ug/m3	15.3	14.4	6	25	
Benzene	ug/m3	0.99	0.95	5	25	
Benzyl chloride	ug/m3	ND	ND		25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	17.5	16.7	5	25	
Carbon tetrachloride	ug/m3	ND	ND		25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	1.4	1.3	2	25	
Chloromethane	ug/m3	ND	ND		25	
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	ND	ND		25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	ND	1.1J		25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethanol	ug/m3	8.5	7.5	12	25	
Ethyl acetate	ug/m3	ND	ND		25	
Ethylbenzene	ug/m3	ND	ND		25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	ND	ND		25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	ND	ND		25	
n-Heptane	ug/m3	ND	ND		25	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: CHW8271N MDCC

Pace Project No.: 10535721

SAMPLE DUPLICATE: 3783019

Parameter	Units	10535721001 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	ND	.52J		25	
Naphthalene	ug/m3	ND	ND		25	
o-Xylene	ug/m3	ND	ND		25	
Propylene	ug/m3	ND	ND		25	
Styrene	ug/m3	ND	ND		25	
Tetrachloroethene	ug/m3	12.7	12.2	4	25	
Tetrahydrofuran	ug/m3	ND	ND		25	
Toluene	ug/m3	ND	.46J		25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	ND	.48J		25	
Trichlorofluoromethane	ug/m3	1.7	1.6	4	25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	ND	ND		25	

SAMPLE DUPLICATE: 3783020

Parameter	Units	10535721002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND		25	
1,1-Dichloroethane	ug/m3	ND	ND		25	
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	ND	ND		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	ND	ND		25	
1,2-Dichloropropane	ug/m3	ND	ND		25	
1,3,5-Trimethylbenzene	ug/m3	ND	ND		25	
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	ND	ND		25	
2-Butanone (MEK)	ug/m3	8.9	8.4	5	25	
2-Hexanone	ug/m3	ND	ND		25	
2-Propanol	ug/m3	ND	ND		25	
4-Ethyltoluene	ug/m3	ND	ND		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND		25	
Acetone	ug/m3	ND	7.7J		25	
Benzene	ug/m3	0.65	0.59	10	25	
Benzyl chloride	ug/m3	ND	ND		25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	

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### QUALITY CONTROL DATA

Project: CHW8271N MDCC

Pace Project No.: 10535721

SAMPLE DUPLICATE: 3783020

Parameter	Units	10535721002 Result	Dup Result	RPD	Max RPD	Qualifiers
Carbon disulfide	ug/m3	17.0	16.2	5	25	
Carbon tetrachloride	ug/m3	ND	ND		25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	ND	.26J		25	
Chloromethane	ug/m3	ND	ND		25	
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	ND	.94J		25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	ND	.49J		25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethanol	ug/m3	5.1	4.9	5	25	
Ethyl acetate	ug/m3	ND	ND		25	
Ethylbenzene	ug/m3	ND	ND		25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	ND	ND		25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	ND	ND		25	
n-Heptane	ug/m3	ND	ND		25	
n-Hexane	ug/m3	2.6	2.8	8	25	
Naphthalene	ug/m3	ND	ND		25	
o-Xylene	ug/m3	ND	ND		25	
Propylene	ug/m3	ND	ND		25	
Styrene	ug/m3	ND	ND		25	
Tetrachloroethene	ug/m3	36.7	36.8	0	25	
Tetrahydrofuran	ug/m3	ND	ND		25	
Toluene	ug/m3	ND	ND		25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	ND	.72J		25	
Trichlorofluoromethane	ug/m3	ND	1J		25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	ND	ND		25	

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## QUALIFIERS

Project: CHW8271N MDCC

Pace Project No.: 10535721

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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, percent moisture, initial weight and final volume.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

- |    |                                                                                                                                            |
|----|--------------------------------------------------------------------------------------------------------------------------------------------|
| C8 | Result may be biased high due to carryover from previously analyzed sample.                                                                |
| CH | The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.              |
| L3 | Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. |

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CHW8271N MDCC

Pace Project No.: 10535721

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10535721001	SG-1	TO-15	707975		
10535721002	SG-2	TO-15	707975		
10535721003	SG-3	TO-15	707975		
10535721004	SG-5	TO-15	707975		
10535721005	SG-5 DUP	TO-15	707975		
10535721006	SG-6	TO-15	707975		
10535721007	SG-7	TO-15	707975		

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# AIR: CHAIN-OF-CUSTODY / A

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant files

## WO#: 10535721



40660

Page: ( of )

<b>Section A</b> Required Client Information:	<b>Section B</b> Required Project Information:	<b>Section C</b> Invoice Information:	<b>Program</b> <input type="checkbox"/> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act <input type="checkbox"/> Voluntary Clean Up <input type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other
Company: <u>Geosyntec</u>	Report To: <u>jpjohnson@geosyntec.com</u>	Attention: <u>Jeremiah Johnson</u>	Location of Sampling by State: <u>WI</u>
Address: <u>10600 N. Port Washington Rd, Ste 100, Mequon, WI 53122</u>	Company Name: <u>Geosyntec</u>	Address: <u>10600 N. Port Washington Rd, Ste 100, Mequon, WI 53122</u>	
Email To: <u>js@geosyntec.com</u>	Purchase Order No.:	Pace Quote Reference: <u>WZ 53013</u>	Reporting Units ug/m <sup>3</sup> _____ PPBV _____ PPMV _____ Other _____
Phone: <u>496-6103</u> Fax:	Project Name: <u>MDCC</u>	Pace Project Manager/Sales Rep.:	Report Level: II _____ III _____ IV _____ Other _____
Requested Due Date/TAT:	Project Number: <u>CHW8271N</u>	Pace Profile #: <u>41348</u>	

ITEM #	'Section D Required Client Information <b>AIR SAMPLE ID</b> Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE Tediator Bag TB 1 Liter Summa Can 1LC 6 Liter Summa Can GLC Low Volume Puff LVP High Volume Puff HVP Other PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)	Summa Can Number	Flow Control Number	Method:								Pace Lab ID
					COMPOSITE START		COMPOSITE - ENDIGRAB						PM10	SC - Piked Gas (%)	TO-3 BTEX	TO-3M (Methane)	TO-14	TO-15 Full List VOCs	TO-15 Short List BTEX	TO-15 Short List Chlorinated	
					DATE	TIME	DATE	TIME													
1	SG-1		GLC			10/14/20	9:10	29	2	38752815										W1	
2	SG-2							952	27	4	16590994									W2	
3	SG-3							1026	293	4	16441114									W3	
4	SG-5							1212	295	3	35002578									W4	
5	SG-5 DCP							1212	27	0	15052578									W5	
6	SG-6							1303	25	2	14752256									W6	
7	SG-7							1415	285	25	12202580									W7	

Comments :	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
	<i>[Signature]</i>	10/14/20	16:00	<i>[Signature]</i>	10/15/20	12:11	-	Y/N	Y/N	Y/N	Y/N
								Y/N	Y/N	Y/N	Y/N
								Y/N	Y/N	Y/N	Y/N
								Y/N	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
PRINT Name of SAMPLER:	<i>[Signature]</i>				
SIGNATURE of SAMPLER:	<i>[Signature]</i>	DATE Signed (MM/DD/YYYY)			
		10/14/20			

ORIGINAL



**Air Sample Condition Upon Receipt**  
 Client Name: Geosyntec  
 Project #: \_\_\_\_\_

**WO#: 10535721**  
 PM: AW1 Due Date: 10/29/20  
 CLIENT: ENV MON&TECH

Courier:  Fed Ex  UPS  USPS  Client  
 Pace  SpeedDee  Commercial See Exception

Tracking Number: 1723 2546 6329, 4429

Custody Seal on Cooler/Box Present?  Yes  No  
 Seals Intact?  Yes  No

Packing Material:  Bubble Wrap  Bubble Bags  Foam  None  Tin Can  Other: \_\_\_\_\_

Temp. (TO17 and TO13 samples only) (°C): \_\_\_\_\_ Corrected Temp (°C): \_\_\_\_\_  
 Temp should be above freezing to 6°C Correction Factor: \_\_\_\_\_  
 Type of ice Received  Blue  Wet  None

Temp Blank rec:  Yes  No  
 Thermometer Used:  G87A9170600254  
 G87A9155100842  
 Date & Initials of Person Examining Contents: 10-15-20 AW

		Comments:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name and/or 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.
Short Hold Time Analysis (<72 hr)?	<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?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used? (Tedlar bags not acceptable container for TO-14, TO-15 or APH) -Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Containers Intact? (visual inspection/no leaks when pressurized)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Media: <input checked="" type="checkbox"/> Air Can <input type="checkbox"/> Airbag <input type="checkbox"/> Filter <input type="checkbox"/> TDT <input type="checkbox"/> Passive		11. Individually Certified Cans <input checked="" type="checkbox"/> Y <input type="checkbox"/> N (list which samples)
Is sufficient information available to reconcile samples to the COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12. sample 5 & 5 DUP have 12:04 for a time on tag but 12:12 on COC.
Do cans need to be pressurized? (DO NOT PRESSURIZE 3C or ASTM 1946!!!)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	13. DUP samples have Restrictors attached but have Dup tee Restrictor listed.

Gauge #  10AIR26  10AIR34  10AIR35  4097

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
SG-1	3875	2815	-1	+5	Unused	-	2468	-	-
11-2	1659	994	-4.5						
11-3	1644	1114	-3.5						
11-5	3500	2578	-3.5						
-5 DUP	1505	2578	-3.5						
-6	1475	2256	-4.5						
-7	1220	2580	-2.5						
Unused	-	2692	-						

**CLIENT NOTIFICATION/RESOLUTION**  
 Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Comments/Resolution: \_\_\_\_\_  
 Field Data Required?  Yes  No

Project Manager Review: Ashey Williams  
 Date: 10/16/2020 Page 27 of 27

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)