

Notice: This form may be used to comply with the requirements of s. NR 716.14 (2), Wis. Adm. Code; however, use of this form is not required. An alternate format may be used. The rule requires that notification be provided to 1) property owners when someone else is conducting the sampling, 2) to occupants of property belonging to the responsible person, and 3) to owners and occupants of property that does not belong to the responsible person but has been affected by contamination arising on his or her property. Notification is required within 10 business days of receiving the sample results. Personal information collected will be used for program administration and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.].

NOTE: Under s. NR 716.14, Wis. Adm. Code, the responsible party must also submit sample results and other required information to the DNR. We recommend that copies of the sample results notifications be included with that submittal, along with all attachments. Using the same format used for data presentation for a closure request may be helpful to all parties. See s. NR 716.14, Wis. Adm. Code for the full list of information to be submitted to the DNR.

Notification of Property Owners and Occupants:

This notification form has been provided to you in order to provide the results of environmental sampling that has been conducted on property that you own or occupy. Samples were collected in accordance with the methods identified in the site investigation work plan, in accordance with s. NR. 716.09 and 716.13, Wis. Adm. Code. This sampling was conducted as a result of contamination originating at the following location.

Site Information

Site Name		DNR ID # (BRRTS #)	
CALUMET VILLAGE		02-08-585360	
Address	City	State	ZIP Code
1717 E. CALUMET STREET	APPLETON	WI	54915

Responsible Party

The person(s) responsible for completing this environmental investigation is:

Property Owner

BRIDGEVIEW ASSOCIATES LLP

Address	City	State	ZIP Code
3305 N BALLARD ROAD SUITE C	APPLETON	WI	54911

Contact Person	Phone Number (include area code)
STEVE WINTER	(920) 733-3214

Person or company that collected samples

UNITED ENGINEERING CONSULTANTS, INC.

Sample Results (Results Attached)

Reason for Sampling: Routine Other (define) _____

The contaminants that have been identified at this time on property that you own or occupy include:

Contaminant	In Soil?		In Groundwater?	
	Yes	No	Yes	No
Gasoline	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Diesel or Fuel Oil	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Solvents	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Heavy Metals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pesticides	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

This sampling event included sampling of a drinking water well. <input type="radio"/> Yes <input checked="" type="radio"/> No
If yes, the sampled drinking water well had detectable contaminants. <input type="radio"/> Yes <input type="radio"/> No

Contaminants in Vapor

	Yes	No
Indoor Air	<input type="radio"/>	<input type="radio"/>
Sub-slab	<input type="radio"/>	<input type="radio"/>
Exterior Soil Gas	<input type="radio"/>	<input type="radio"/>

Site Investigation Sample Results Notification

Form 4400-249 (R 03/14)

Page 2 of 2

Attached are:

- A map that shows the locations from which samples were collected. (The map needs to meet the requirements of s. NR 716.15 (4), Wis. Adm. Code.)
- A data table with specific contaminant levels at each sample location and whether or not the sample results exceed state standards.
- A copy of the laboratory results.

You are not identified as the person that is responsible for this contamination. However, your cooperation is important. Property owners may become legally responsible for contamination if they do not allow access to the person that is responsible so that person may complete the environmental investigation and clean up activities.

Option for written exemption: You have the option of requesting a written liability exemption from the DNR for contamination that originated on another property, or on property that you lease. To do this, you must present an adequate environmental assessment of your property and pay a \$700 fee for review of this information. If you are interested in this option, please see DNR publication # RR 589, "When Contamination Crosses a Property Line - Rights and Responsibilities of Property Owners", available at: dnr.wi.gov/files/PDF/pubs/rr/rr589.pdf.

Contact Information

Please address questions regarding this notification, or requests for additional information to the contact person listed above, or to one of the following contacts:

Environmental Consultant

Company Name		Contact Person Last Name	First Name	
UNITED ENGINEERING CONSULTANTS		HENNING	NICHOLAS	
Address		City	State	ZIP Code
2938 S. 166TH STREET		NEW BERLIN	WI	53151
Phone # (inc. area code)	Email			
(262) 785-1447	NAUEC@SBCGLOBAL.NET			

Select which agency: Natural Resources Agriculture, Trade and Consumer Protection

State of Wisconsin Department of Natural Resources

Contact Person Last Name	First Name	Phone # (inc. area code)		
MCKNIGHT	KEVIN	(920) 424-7890		
Address		City	State	ZIP Code
625 E COUNTY ROAD Y SUITE 700		OSHKOSH	WI	54901
Email				
KEVIN.MCKNIGHT@WISCONSIN.GOV				

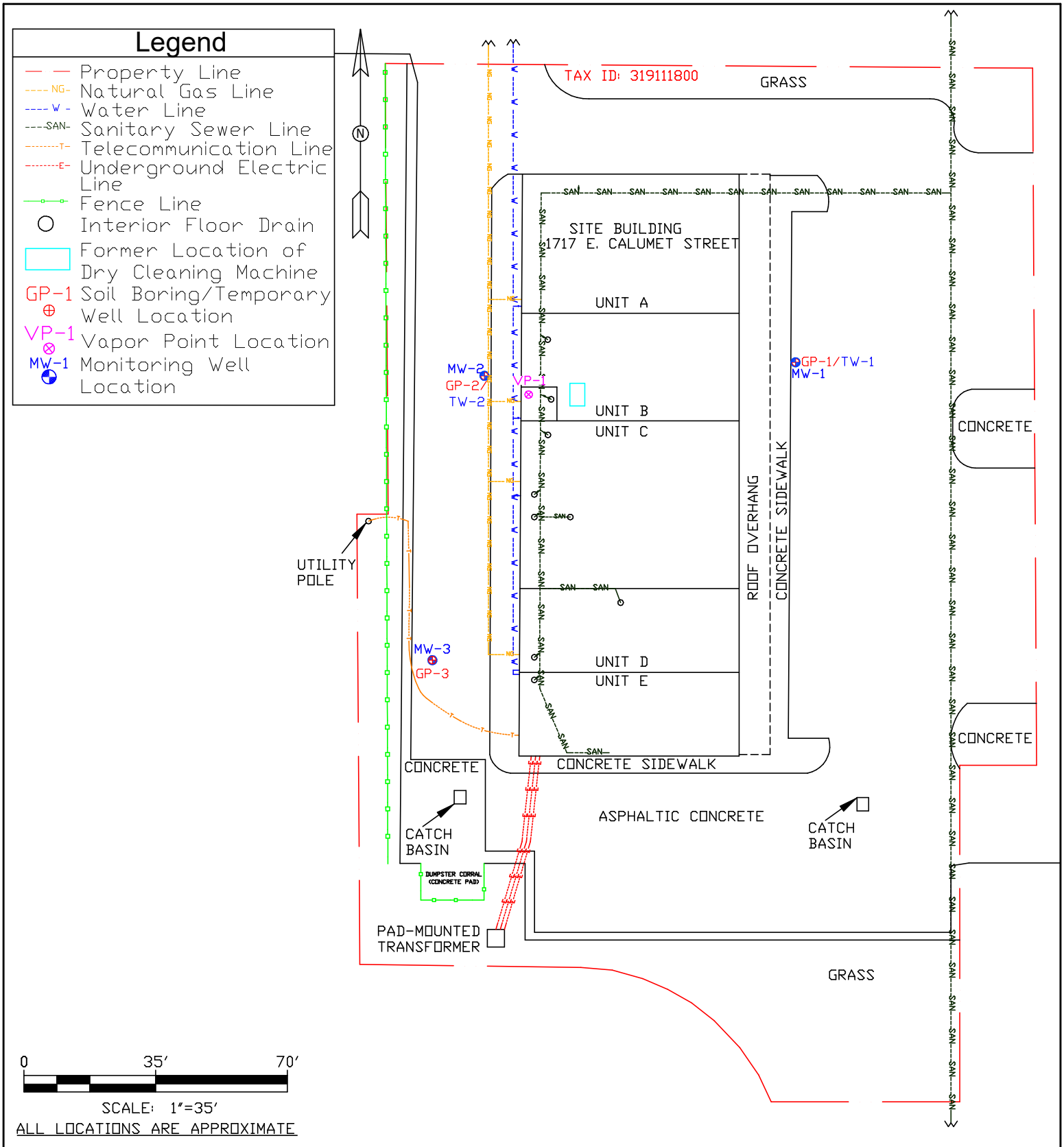


Figure 3: Soil Boring, Monitoring Well and Sub-Slab Vapor Point Location Map

*United Engineering
Consultants, Inc.*

2938 S. 166th Street
New Berlin, WI 53151

Tel. (262) 785-1447
Fax (262) 706-4400

#19044

DRAWN BY: KRH

DATE: 04/10/2020

Site Investigation Report
Calumet Village
1717 E. Calumet Street
Appleton, WI 54915

Table 2 - VOC Analytical Results - Groundwater
 Calumet Village
 1717 E. Calumet Street
 Appleton, WI 54915

Analyte	MW-1	MW-1	MW-2	MW-2 (R)	MW-2	MW-2 (R)	MW-3	MW-3 (R)	MW-3	ES	PAL
	05/15/20	07/08/20	04/16/20	04/16/20	07/08/20	07/08/20	05/15/20	05/15/20	07/08/20		
Volatile Organic Compounds (VOC) (Method: SW-846 8260B/PUBL-FW-140)											
Acetone	5.63	3.91J	42.4	19.6J	<3.75	<3.75	<3.75	<3.75	<3.75	9000	1800
Acrolein	<6.63	<6.63	<6.63	<6.63	<6.63	<6.63	<6.63	<6.63	<6.63	-	-
Acrylonitrile	<0.742	<0.742	<0.742	<0.742	<0.742	<0.742	<0.742	<0.742	<0.742	-	-
Benzene	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	5	0.5
Bromodichloromethane	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	0.6	0.06
Bromoform	<0.254	<0.254	<0.254	<0.254	<0.254	<0.254	<0.254	<0.254	<0.254	4.4	0.44
Bromomethane	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	10	1
1-Butanol	<6.69	<6.69	<6.69	<6.69	<6.69	<6.69	<6.69	<6.69	9.92J	-	-
2-Butanone	<1.38	<1.38	<1.38	<1.38	<1.38	<1.38	<1.38	<1.38	<1.38	-	-
Carbon disulfide	<0.259	<0.259	1.5J	<0.259	<0.259	<0.259	<0.259	<0.259	<0.259	1000	200
Carbon tetrachloride	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	5	0.5
Chlorobenzene	<0.0358	<0.0358	<0.358	<0.358	<0.0358	<0.0358	<0.0358	<0.0358	<0.0358	-	-
Chloroethane	<0.906	<0.906	<0.906	<0.906	<0.906	<0.906	<0.906	<0.906	<0.906	400	80
Chloroform	<0.0397	<0.397	<0.397	<0.397	<0.397	<0.397	<0.397	<0.397	<0.397	6	0.6
Chloromethane	<2.23	<2.23	<2.23	<2.23	<2.23	<2.23	<2.23	<2.23	<2.23	30	3
1,2-Dibromo-3-chloropropane	<0.488	<0.488	<0.488	<0.488	<0.488	<0.488	<0.488	<0.488	<0.488	0.2	0.02
1,2-Dibromoethane (EDB)	<0.320	<0.0320	<0.320	<0.320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	0.05	0.005
1,1-Dichloroethane	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	850	85
1,2-Dichloroethane	<0.274	<0.274	<0.320	<0.320	<0.274	<0.274	<0.274	<0.274	<0.274	5	0.5
1,1-Dichloroethene	<1.02	<1.02	<1.02	<1.02	<1.02	<1.02	<1.02	<1.02	<1.02	7	0.7
cis-1,2-Dichloroethene	<0.421	<0.421	0.64J	0.650J	2.70	2.56	<0.421	<0.421	<0.421	70	7
trans-1,2-Dichloroethene	<0.433	<0.433	<0.433	<0.433	<0.433	<0.433	<0.433	<0.433	<0.433	100	20
1,2-Dichloropropane	<1.11	<1.11	<1.11	<1.11	<1.11	<1.11	<1.11	<1.11	<1.11	5	0.5
Dibromochloromethane	<0.492	<0.492	<0.492	<0.492	<0.492	<0.492	<0.492	<0.492	<0.492	700	140
1,3-Dichloropropene, Total	<0.592	<0.592	<0.592	<0.592	<0.592	<0.592	<0.592	<0.592	<0.592	0.4	0.04
Ethylbenzene	<0.431	<0.431	<0.431	<0.431	<0.431	<0.431	<0.431	<0.431	<0.431	700	140
2-Hexanone	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	-	-
4-Methyl-2-pentanone	<0.660	<0.660	11.6J	11.8J	<0.660	<0.660	<0.660	<0.660	<0.660	-	-
Methyl tert-Butyl ether	<0.322	<0.322	<0.322	<0.322	<0.322	<0.322	<0.322	<0.322	<0.322	60	12
Methylene chloride	<0.358	<0.358	<0.358	<0.358	<0.358	<0.358	<0.358	<0.358	<0.358	5	0.5
Styrene	<0.534	<0.0534	<0.534	<0.534	<0.0534	<0.0534	<0.0534	<0.0534	<0.0534	100	10
1,1,2,2-Tetrachloroethane	<0.291	<0.291	<0.291	<0.291	<0.291	<0.291	<0.291	<0.291	<0.291	0.2	0.02
Tetrachloroethene	<0.400	<0.400	5.66	6.55	26.5	13.4	<0.400	<0.400	<0.400	5	0.5
1,2,4-Trimethylbenzene	<0.338/	<0.338/	<0.338/	<0.338/	<0.338/	<0.338/	<0.338/	<0.338/	<0.338/	480	96
1,3,5-Trimethylbenzene	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310		
Toluene	<0.299	<0.299	<0.299	<0.299	<0.299	<0.299	<0.299	<0.299	<0.299	800	160
1,1,1-Trichloroethane	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	200	40
1,1,2-Trichloroethane	<0.264	<0.264	<0.264	<0.264	<0.264	<0.264	<0.264	<0.264	<0.264	5	0.5
Trichloroethene	<0.439	<0.439	2.21	2.62	12.7	8.83	<0.439	<0.439	<0.439	5	0.5
Vinyl acetate	<1.01	<1.01	<1.01	<1.01	<1.01	<1.01	<1.01	<1.01	<1.01	-	-
Vinyl chloride	<0.316	<0.316	<0.316	<0.316	<0.316	<0.316	<0.316	<0.316	<0.316	0.2	0.02
m,p-Xylene	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	-	-
o-Xylene	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	-	-
Xylenes, Total	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	2000	400

- Notes: All results expressed as µg/L (parts per billion)
- ES NR140 Enforcement Standard (Exceedances in **bold**)
- PAL NR140 Preventive Action Limit (Exceedances in underline)
- ES/PAL not established for this compound
- < Compound not detected at or above the Limit Of Detection (LOD)
- J Analyte detected above LOD and below the Limit Of Quantitation (LOQ)
- Q One or more quality control results were outside of the acceptable limits
- S1 The percent recovery is above the limits, but the analyte was not detected in the sample
- (R) Replicate sample per NR 716.13(6)c

Analytical Report

Timothy J. Anderson
United Engineering Consultants, Inc.
2938 S. 166th St.
New Berlin, WI 53151

July 14, 2020

Work Order: 20G0420

RE: Waste Characterization
19044

Dear Timothy J. Anderson:

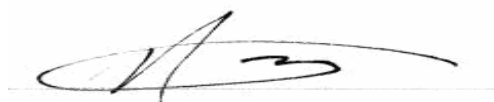
Enclosed are the analytical reports for the EMT Work Order listed. Also included with this analytical report is a copy of the chain of custody associated with these samples. If you have any questions, please contact me.

Sincerely,



Jacoby Jackson
Project Manager
847.967.6666
jjackson@emt.com
Approved for release: 7/14/2020 11:48:22AM

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-1	20G0420-01	Groundwater	07/08/20 10:20	07/10/20 13:10
MW-2	20G0420-02	Groundwater	07/08/20 12:15	07/10/20 13:10
MW-2 (R)	20G0420-03	Groundwater	07/08/20 12:20	07/10/20 13:10
MW-3	20G0420-04	Groundwater	07/08/20 09:35	07/10/20 13:10
Trip Blank	20G0420-05	Groundwater	07/08/20 00:00	07/10/20 13:10

Case Narrative

Client: United Engineering Consultants, Inc.

Date: 07/14/2020

Project: Waste Characterization
19044

Work Order: 20G0420

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: 20G0420

The samples were received on 07/10/20 13:10. 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	4.2

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

Client Sample Results

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20G0420

Client Sample ID: MW-1
Report Date: 07/14/2020
Collection Date: 07/08/2020 10:20
Matrix: Groundwater
Lab ID: 20G0420-01

Analyses	Result	EMT		Units	Reg Limit	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Reporting Limit	Qual							
Volatile Organic Compounds by GC/MS										
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030										
1,1,1-Trichloroethane	< 0.349	2.00		ug/L		0.349	07/10/20 19:41	B0G0357	WZZ	1
1,1,2,2-Tetrachloroethane	< 0.291	2.00		ug/L		0.291	07/10/20 19:41	B0G0357	WZZ	1
1,1,2-Trichloroethane	< 0.264	2.00		ug/L		0.264	07/10/20 19:41	B0G0357	WZZ	1
1,1-Dichloroethane	< 1.94	8.00		ug/L		1.94	07/10/20 19:41	B0G0357	WZZ	1
1,1-Dichloroethene	< 1.02	4.00		ug/L		1.02	07/10/20 19:41	B0G0357	WZZ	1
1,2,4-Trimethylbenzene	< 0.338	2.00		ug/L		0.338	07/10/20 19:41	B0G0357	WZZ	1
1,2-Dibromo-3-chloropropane	< 0.488	2.00		ug/L		0.488	07/10/20 19:41	B0G0357	WZZ	1
1,2-Dibromoethane	< 0.320	2.00		ug/L		0.320	07/10/20 19:41	B0G0357	WZZ	1
1,2-Dichloroethane	< 0.274	2.00		ug/L		0.274	07/10/20 19:41	B0G0357	WZZ	1
1,2-Dichloropropane	< 1.11	4.00		ug/L		1.11	07/10/20 19:41	B0G0357	WZZ	1
1,3,5-Trimethylbenzene	< 0.310	2.00		ug/L		0.310	07/10/20 19:41	B0G0357	WZZ	1
1-Butanol	< 6.69	90.0		ug/L		6.69	07/10/20 19:41	B0G0357	WZZ	1
2-Butanone	< 1.38	8.00		ug/L		1.38	07/10/20 19:41	B0G0357	WZZ	1
2-Hexanone	< 1.04	8.00		ug/L		1.04	07/10/20 19:41	B0G0357	WZZ	1
4-Methyl-2-pentanone	< 0.660	28.0		ug/L		0.660	07/10/20 19:41	B0G0357	WZZ	1
Acetone	3.91	28.0	J	ug/L		3.75	07/10/20 19:41	B0G0357	WZZ	1
Acrolein	< 6.63	20.0		ug/L		6.63	07/10/20 19:41	B0G0357	WZZ	1
Acrylonitrile	< 0.742	4.00		ug/L		0.742	07/10/20 19:41	B0G0357	WZZ	1
Benzene	< 0.370	2.00		ug/L		0.370	07/10/20 19:41	B0G0357	WZZ	1
Bromodichloromethane	< 0.310	2.00		ug/L		0.310	07/10/20 19:41	B0G0357	WZZ	1
Bromoform	< 0.254	2.00		ug/L		0.254	07/10/20 19:41	B0G0357	WZZ	1
Bromomethane	< 3.30	20.0		ug/L		3.30	07/10/20 19:41	B0G0357	WZZ	1
Carbon disulfide	< 0.259	2.00		ug/L		0.259	07/10/20 19:41	B0G0357	WZZ	1
Carbon tetrachloride	< 0.390	2.00		ug/L		0.390	07/10/20 19:41	B0G0357	WZZ	1
Chlorobenzene	< 0.358	2.00		ug/L		0.358	07/10/20 19:41	B0G0357	WZZ	1
Chloroethane	< 0.906	4.00		ug/L		0.906	07/10/20 19:41	B0G0357	WZZ	1
Chloroform	< 0.397	2.00		ug/L		0.397	07/10/20 19:41	B0G0357	WZZ	1
Chloromethane	< 2.23	8.00		ug/L		2.23	07/10/20 19:41	B0G0357	WZZ	1
cis-1,2-Dichloroethene	< 0.421	2.00		ug/L		0.421	07/10/20 19:41	B0G0357	WZZ	1
cis-1,3-Dichloropropene	< 0.278	2.00		ug/L		0.278	07/10/20 19:41	B0G0357	WZZ	1
Dibromochloromethane	< 0.492	2.00		ug/L		0.492	07/10/20 19:41	B0G0357	WZZ	1
Ethylbenzene	< 0.431	2.00		ug/L		0.431	07/10/20 19:41	B0G0357	WZZ	1
m,p-Xylene	< 0.310	4.00		ug/L		0.310	07/10/20 19:41	B0G0357	WZZ	1
Methyl tert-butyl ether	< 0.322	2.00		ug/L		0.322	07/10/20 19:41	B0G0357	WZZ	1
Methylene chloride	< 0.358	2.00		ug/L		0.358	07/10/20 19:41	B0G0357	WZZ	1
o-Xylene	< 0.349	2.00		ug/L		0.349	07/10/20 19:41	B0G0357	WZZ	1
Styrene	< 0.534	4.00		ug/L		0.534	07/10/20 19:41	B0G0357	WZZ	1
Tetrachloroethene	< 0.400	2.00		ug/L		0.400	07/10/20 19:41	B0G0357	WZZ	1
Toluene	< 0.299	2.00		ug/L		0.299	07/10/20 19:41	B0G0357	WZZ	1
trans-1,2-Dichloroethene	< 0.433	2.00		ug/L		0.433	07/10/20 19:41	B0G0357	WZZ	1
trans-1,3-Dichloropropene	< 0.314	2.00		ug/L		0.314	07/10/20 19:41	B0G0357	WZZ	1
Trichloroethene	< 0.439	2.00		ug/L		0.439	07/10/20 19:41	B0G0357	WZZ	1
Vinyl acetate	< 1.01	8.00		ug/L		1.01	07/10/20 19:41	B0G0357	WZZ	1

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20G0420

Client Sample ID: MW-1
Report Date: 07/14/2020
Collection Date: 07/08/2020 10:20
Matrix: Groundwater
Lab ID: 20G0420-01 (Continued)

Analyses	EMT			Reg Limit	MDL	Date/Time Analyzed	Batch	Analyst	DF	
	Result	Reporting Limit	Qual Units							
Volatile Organic Compounds by GC/MS (Continued)										
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 (Continued)										
Vinyl chloride	< 0.316	2.00	ug/L		0.316	07/10/20 19:41	B0G0357	WZZ	1	
Xylenes, Total	< 0.660	6.00	ug/L		0.660	07/10/20 19:41	B0G0357	WZZ	1	
1,3-Dichloropropene, Total	< 0.592	4.00	ug/L		0.592	07/10/20 19:41	B0G0357	WZZ	1	
Surrogate: Dibromofluoromethane				Recovery: 102%	Limits: 80-135	07/10/20 19:41	B0G0357	WZZ	1	
Surrogate: 1,2-Dichloroethane-d4				Recovery: 100%	Limits: 86-132	07/10/20 19:41	B0G0357	WZZ	1	
Surrogate: Fluorobenzene				Recovery: 100%	Limits: 80-116	07/10/20 19:41	B0G0357	WZZ	1	
Surrogate: Toluene-d8				Recovery: 102%	Limits: 73-120	07/10/20 19:41	B0G0357	WZZ	1	
Surrogate: 4-Bromofluorobenzene				Recovery: 101%	Limits: 85-114	07/10/20 19:41	B0G0357	WZZ	1	
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 100%	Limits: 88-136	07/10/20 19:41	B0G0357	WZZ	1	

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20G0420

Client Sample ID: MW-2
Report Date: 07/14/2020
Collection Date: 07/08/2020 12:15
Matrix: Groundwater
Lab ID: 20G0420-02

Analyses	Result	EMT Reporting		Qual	Units	Reg Limit	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Limit								
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030											
1,1,1-Trichloroethane	< 0.349	2.00			ug/L		0.349	07/10/20 19:16	B0G0357	WZZ	1
1,1,2,2-Tetrachloroethane	< 0.291	2.00			ug/L		0.291	07/10/20 19:16	B0G0357	WZZ	1
1,1,2-Trichloroethane	< 0.264	2.00			ug/L		0.264	07/10/20 19:16	B0G0357	WZZ	1
1,1-Dichloroethane	< 1.94	8.00			ug/L		1.94	07/10/20 19:16	B0G0357	WZZ	1
1,1-Dichloroethene	< 1.02	4.00			ug/L		1.02	07/10/20 19:16	B0G0357	WZZ	1
1,2,4-Trimethylbenzene	< 0.338	2.00			ug/L		0.338	07/10/20 19:16	B0G0357	WZZ	1
1,2-Dibromo-3-chloropropane	< 0.488	2.00			ug/L		0.488	07/10/20 19:16	B0G0357	WZZ	1
1,2-Dibromoethane	< 0.320	2.00			ug/L		0.320	07/10/20 19:16	B0G0357	WZZ	1
1,2-Dichloroethane	< 0.274	2.00			ug/L		0.274	07/10/20 19:16	B0G0357	WZZ	1
1,2-Dichloropropane	< 1.11	4.00			ug/L		1.11	07/10/20 19:16	B0G0357	WZZ	1
1,3,5-Trimethylbenzene	< 0.310	2.00			ug/L		0.310	07/10/20 19:16	B0G0357	WZZ	1
1-Butanol	< 6.69	90.0			ug/L		6.69	07/10/20 19:16	B0G0357	WZZ	1
2-Butanone	< 1.38	8.00			ug/L		1.38	07/10/20 19:16	B0G0357	WZZ	1
2-Hexanone	< 1.04	8.00			ug/L		1.04	07/10/20 19:16	B0G0357	WZZ	1
4-Methyl-2-pentanone	< 0.660	28.0			ug/L		0.660	07/10/20 19:16	B0G0357	WZZ	1
Acetone	< 3.75	28.0			ug/L		3.75	07/10/20 19:16	B0G0357	WZZ	1
Acrolein	< 6.63	20.0			ug/L		6.63	07/10/20 19:16	B0G0357	WZZ	1
Acrylonitrile	< 0.742	4.00			ug/L		0.742	07/10/20 19:16	B0G0357	WZZ	1
Benzene	< 0.370	2.00			ug/L		0.370	07/10/20 19:16	B0G0357	WZZ	1
Bromodichloromethane	< 0.310	2.00			ug/L		0.310	07/10/20 19:16	B0G0357	WZZ	1
Bromoform	< 0.254	2.00			ug/L		0.254	07/10/20 19:16	B0G0357	WZZ	1
Bromomethane	< 3.30	20.0			ug/L		3.30	07/10/20 19:16	B0G0357	WZZ	1
Carbon disulfide	< 0.259	2.00			ug/L		0.259	07/10/20 19:16	B0G0357	WZZ	1
Carbon tetrachloride	< 0.390	2.00			ug/L		0.390	07/10/20 19:16	B0G0357	WZZ	1
Chlorobenzene	< 0.358	2.00			ug/L		0.358	07/10/20 19:16	B0G0357	WZZ	1
Chloroethane	< 0.906	4.00			ug/L		0.906	07/10/20 19:16	B0G0357	WZZ	1
Chloroform	< 0.397	2.00			ug/L		0.397	07/10/20 19:16	B0G0357	WZZ	1
Chloromethane	< 2.23	8.00			ug/L		2.23	07/10/20 19:16	B0G0357	WZZ	1
cis-1,2-Dichloroethene	2.70	2.00			ug/L		0.421	07/10/20 19:16	B0G0357	WZZ	1
cis-1,3-Dichloropropene	< 0.278	2.00			ug/L		0.278	07/10/20 19:16	B0G0357	WZZ	1
Dibromochloromethane	< 0.492	2.00			ug/L		0.492	07/10/20 19:16	B0G0357	WZZ	1
Ethylbenzene	< 0.431	2.00			ug/L		0.431	07/10/20 19:16	B0G0357	WZZ	1
m,p-Xylene	< 0.310	4.00			ug/L		0.310	07/10/20 19:16	B0G0357	WZZ	1
Methyl tert-butyl ether	< 0.322	2.00			ug/L		0.322	07/10/20 19:16	B0G0357	WZZ	1
Methylene chloride	< 0.358	2.00			ug/L		0.358	07/10/20 19:16	B0G0357	WZZ	1
o-Xylene	< 0.349	2.00			ug/L		0.349	07/10/20 19:16	B0G0357	WZZ	1
Styrene	< 0.534	4.00			ug/L		0.534	07/10/20 19:16	B0G0357	WZZ	1
Tetrachloroethene	26.5	2.00			ug/L		0.400	07/10/20 19:16	B0G0357	WZZ	1
Toluene	< 0.299	2.00			ug/L		0.299	07/10/20 19:16	B0G0357	WZZ	1
trans-1,2-Dichloroethene	< 0.433	2.00			ug/L		0.433	07/10/20 19:16	B0G0357	WZZ	1
trans-1,3-Dichloropropene	< 0.314	2.00			ug/L		0.314	07/10/20 19:16	B0G0357	WZZ	1
Trichloroethene	12.7	2.00			ug/L		0.439	07/10/20 19:16	B0G0357	WZZ	1
Vinyl acetate	< 1.01	8.00			ug/L		1.01	07/10/20 19:16	B0G0357	WZZ	1

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20G0420

Client Sample ID: MW-2
Report Date: 07/14/2020
Collection Date: 07/08/2020 12:15
Matrix: Groundwater
Lab ID: 20G0420-02 (Continued)

Analyses	EMT Reporting			Reg Limit	MDL	Date/Time Analyzed	Batch	Analyst	DF	
	Result	Limit	Qual Units							
Volatile Organic Compounds by GC/MS (Continued)										
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 (Continued)										
Vinyl chloride	< 0.316	2.00	ug/L		0.316	07/10/20 19:16	B0G0357	WZZ	1	
Xylenes, Total	< 0.660	6.00	ug/L		0.660	07/10/20 19:16	B0G0357	WZZ	1	
1,3-Dichloropropene, Total	< 0.592	4.00	ug/L		0.592	07/10/20 19:16	B0G0357	WZZ	1	
Surrogate: Dibromofluoromethane				Recovery: 99%	Limits: 80-135	07/10/20 19:16	B0G0357	WZZ	1	
Surrogate: 1,2-Dichloroethane-d4				Recovery: 100%	Limits: 86-132	07/10/20 19:16	B0G0357	WZZ	1	
Surrogate: Fluorobenzene				Recovery: 97%	Limits: 80-116	07/10/20 19:16	B0G0357	WZZ	1	
Surrogate: Toluene-d8				Recovery: 98%	Limits: 73-120	07/10/20 19:16	B0G0357	WZZ	1	
Surrogate: 4-Bromofluorobenzene				Recovery: 101%	Limits: 85-114	07/10/20 19:16	B0G0357	WZZ	1	
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 100%	Limits: 88-136	07/10/20 19:16	B0G0357	WZZ	1	

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20G0420

Client Sample ID: MW-2 (R)
Report Date: 07/14/2020
Collection Date: 07/08/2020 12:20
Matrix: Groundwater
Lab ID: 20G0420-03

Analyses	Result	EMT Reporting		Units	Reg Limit	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
Volatile Organic Compounds by GC/MS										
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030										
1,1,1-Trichloroethane	< 0.349	2.00		ug/L		0.349	07/10/20 18:50	B0G0357	WZZ	1
1,1,2,2-Tetrachloroethane	< 0.291	2.00		ug/L		0.291	07/10/20 18:50	B0G0357	WZZ	1
1,1,2-Trichloroethane	< 0.264	2.00		ug/L		0.264	07/10/20 18:50	B0G0357	WZZ	1
1,1-Dichloroethane	< 1.94	8.00		ug/L		1.94	07/10/20 18:50	B0G0357	WZZ	1
1,1-Dichloroethene	< 1.02	4.00		ug/L		1.02	07/10/20 18:50	B0G0357	WZZ	1
1,2,4-Trimethylbenzene	< 0.338	2.00		ug/L		0.338	07/10/20 18:50	B0G0357	WZZ	1
1,2-Dibromo-3-chloropropane	< 0.488	2.00		ug/L		0.488	07/10/20 18:50	B0G0357	WZZ	1
1,2-Dibromoethane	< 0.320	2.00		ug/L		0.320	07/10/20 18:50	B0G0357	WZZ	1
1,2-Dichloroethane	< 0.274	2.00		ug/L		0.274	07/10/20 18:50	B0G0357	WZZ	1
1,2-Dichloropropane	< 1.11	4.00		ug/L		1.11	07/10/20 18:50	B0G0357	WZZ	1
1,3,5-Trimethylbenzene	< 0.310	2.00		ug/L		0.310	07/10/20 18:50	B0G0357	WZZ	1
1-Butanol	< 6.69	90.0		ug/L		6.69	07/10/20 18:50	B0G0357	WZZ	1
2-Butanone	< 1.38	8.00		ug/L		1.38	07/10/20 18:50	B0G0357	WZZ	1
2-Hexanone	< 1.04	8.00		ug/L		1.04	07/10/20 18:50	B0G0357	WZZ	1
4-Methyl-2-pentanone	< 0.660	28.0		ug/L		0.660	07/10/20 18:50	B0G0357	WZZ	1
Acetone	< 3.75	28.0		ug/L		3.75	07/10/20 18:50	B0G0357	WZZ	1
Acrolein	< 6.63	20.0		ug/L		6.63	07/10/20 18:50	B0G0357	WZZ	1
Acrylonitrile	< 0.742	4.00		ug/L		0.742	07/10/20 18:50	B0G0357	WZZ	1
Benzene	< 0.370	2.00		ug/L		0.370	07/10/20 18:50	B0G0357	WZZ	1
Bromodichloromethane	< 0.310	2.00		ug/L		0.310	07/10/20 18:50	B0G0357	WZZ	1
Bromoform	< 0.254	2.00		ug/L		0.254	07/10/20 18:50	B0G0357	WZZ	1
Bromomethane	< 3.30	20.0		ug/L		3.30	07/10/20 18:50	B0G0357	WZZ	1
Carbon disulfide	< 0.259	2.00		ug/L		0.259	07/10/20 18:50	B0G0357	WZZ	1
Carbon tetrachloride	< 0.390	2.00		ug/L		0.390	07/10/20 18:50	B0G0357	WZZ	1
Chlorobenzene	< 0.358	2.00		ug/L		0.358	07/10/20 18:50	B0G0357	WZZ	1
Chloroethane	< 0.906	4.00		ug/L		0.906	07/10/20 18:50	B0G0357	WZZ	1
Chloroform	< 0.397	2.00		ug/L		0.397	07/10/20 18:50	B0G0357	WZZ	1
Chloromethane	< 2.23	8.00		ug/L		2.23	07/10/20 18:50	B0G0357	WZZ	1
cis-1,2-Dichloroethene	2.56	2.00		ug/L		0.421	07/10/20 18:50	B0G0357	WZZ	1
cis-1,3-Dichloropropene	< 0.278	2.00		ug/L		0.278	07/10/20 18:50	B0G0357	WZZ	1
Dibromochloromethane	< 0.492	2.00		ug/L		0.492	07/10/20 18:50	B0G0357	WZZ	1
Ethylbenzene	< 0.431	2.00		ug/L		0.431	07/10/20 18:50	B0G0357	WZZ	1
m,p-Xylene	< 0.310	4.00		ug/L		0.310	07/10/20 18:50	B0G0357	WZZ	1
Methyl tert-butyl ether	< 0.322	2.00		ug/L		0.322	07/10/20 18:50	B0G0357	WZZ	1
Methylene chloride	< 0.358	2.00		ug/L		0.358	07/10/20 18:50	B0G0357	WZZ	1
o-Xylene	< 0.349	2.00		ug/L		0.349	07/10/20 18:50	B0G0357	WZZ	1
Styrene	< 0.534	4.00		ug/L		0.534	07/10/20 18:50	B0G0357	WZZ	1
Tetrachloroethene	13.4	2.00		ug/L		0.400	07/10/20 18:50	B0G0357	WZZ	1
Toluene	< 0.299	2.00		ug/L		0.299	07/10/20 18:50	B0G0357	WZZ	1
trans-1,2-Dichloroethene	< 0.433	2.00		ug/L		0.433	07/10/20 18:50	B0G0357	WZZ	1
trans-1,3-Dichloropropene	< 0.314	2.00		ug/L		0.314	07/10/20 18:50	B0G0357	WZZ	1
Trichloroethene	8.83	2.00		ug/L		0.439	07/10/20 18:50	B0G0357	WZZ	1
Vinyl acetate	< 1.01	8.00		ug/L		1.01	07/10/20 18:50	B0G0357	WZZ	1

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20G0420

Client Sample ID: MW-2 (R)
Report Date: 07/14/2020
Collection Date: 07/08/2020 12:20
Matrix: Groundwater
Lab ID: 20G0420-03 (Continued)

Analyses	EMT			Reg Limit	MDL	Date/Time Analyzed	Batch	Analyst	DF	
	Result	Reporting Limit	Qual Units							
Volatile Organic Compounds by GC/MS (Continued)										
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 (Continued)										
Vinyl chloride	< 0.316	2.00	ug/L		0.316	07/10/20 18:50	B0G0357	WZZ	1	
Xylenes, Total	< 0.660	6.00	ug/L		0.660	07/10/20 18:50	B0G0357	WZZ	1	
1,3-Dichloropropene, Total	< 0.592	4.00	ug/L		0.592	07/10/20 18:50	B0G0357	WZZ	1	
Surrogate: Dibromofluoromethane				Recovery: 103%	Limits: 80-135	07/10/20 18:50	B0G0357	WZZ	1	
Surrogate: 1,2-Dichloroethane-d4				Recovery: 100%	Limits: 86-132	07/10/20 18:50	B0G0357	WZZ	1	
Surrogate: Fluorobenzene				Recovery: 98%	Limits: 80-116	07/10/20 18:50	B0G0357	WZZ	1	
Surrogate: Toluene-d8				Recovery: 100%	Limits: 73-120	07/10/20 18:50	B0G0357	WZZ	1	
Surrogate: 4-Bromofluorobenzene				Recovery: 100%	Limits: 85-114	07/10/20 18:50	B0G0357	WZZ	1	
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 101%	Limits: 88-136	07/10/20 18:50	B0G0357	WZZ	1	

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20G0420

Client Sample ID: MW-3
Report Date: 07/14/2020
Collection Date: 07/08/2020 09:35
Matrix: Groundwater
Lab ID: 20G0420-04

Analyses	Result	EMT		Units	Reg Limit	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Reporting Limit	Qual							
Volatile Organic Compounds by GC/MS										
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030										
1,1,1-Trichloroethane	< 0.349	2.00		ug/L		0.349	07/10/20 18:25	B0G0357	WZZ	1
1,1,2,2-Tetrachloroethane	< 0.291	2.00		ug/L		0.291	07/10/20 18:25	B0G0357	WZZ	1
1,1,2-Trichloroethane	< 0.264	2.00		ug/L		0.264	07/10/20 18:25	B0G0357	WZZ	1
1,1-Dichloroethane	< 1.94	8.00		ug/L		1.94	07/10/20 18:25	B0G0357	WZZ	1
1,1-Dichloroethene	< 1.02	4.00		ug/L		1.02	07/10/20 18:25	B0G0357	WZZ	1
1,2,4-Trimethylbenzene	< 0.338	2.00		ug/L		0.338	07/10/20 18:25	B0G0357	WZZ	1
1,2-Dibromo-3-chloropropane	< 0.488	2.00		ug/L		0.488	07/10/20 18:25	B0G0357	WZZ	1
1,2-Dibromoethane	< 0.320	2.00		ug/L		0.320	07/10/20 18:25	B0G0357	WZZ	1
1,2-Dichloroethane	< 0.274	2.00		ug/L		0.274	07/10/20 18:25	B0G0357	WZZ	1
1,2-Dichloropropane	< 1.11	4.00		ug/L		1.11	07/10/20 18:25	B0G0357	WZZ	1
1,3,5-Trimethylbenzene	< 0.310	2.00		ug/L		0.310	07/10/20 18:25	B0G0357	WZZ	1
1-Butanol	9.92	90.0	J	ug/L		6.69	07/10/20 18:25	B0G0357	WZZ	1
2-Butanone	< 1.38	8.00		ug/L		1.38	07/10/20 18:25	B0G0357	WZZ	1
2-Hexanone	< 1.04	8.00		ug/L		1.04	07/10/20 18:25	B0G0357	WZZ	1
4-Methyl-2-pentanone	< 0.660	28.0		ug/L		0.660	07/10/20 18:25	B0G0357	WZZ	1
Acetone	< 3.75	28.0		ug/L		3.75	07/10/20 18:25	B0G0357	WZZ	1
Acrolein	< 6.63	20.0		ug/L		6.63	07/10/20 18:25	B0G0357	WZZ	1
Acrylonitrile	< 0.742	4.00		ug/L		0.742	07/10/20 18:25	B0G0357	WZZ	1
Benzene	< 0.370	2.00		ug/L		0.370	07/10/20 18:25	B0G0357	WZZ	1
Bromodichloromethane	< 0.310	2.00		ug/L		0.310	07/10/20 18:25	B0G0357	WZZ	1
Bromoform	< 0.254	2.00		ug/L		0.254	07/10/20 18:25	B0G0357	WZZ	1
Bromomethane	< 3.30	20.0		ug/L		3.30	07/10/20 18:25	B0G0357	WZZ	1
Carbon disulfide	< 0.259	2.00		ug/L		0.259	07/10/20 18:25	B0G0357	WZZ	1
Carbon tetrachloride	< 0.390	2.00		ug/L		0.390	07/10/20 18:25	B0G0357	WZZ	1
Chlorobenzene	< 0.358	2.00		ug/L		0.358	07/10/20 18:25	B0G0357	WZZ	1
Chloroethane	< 0.906	4.00		ug/L		0.906	07/10/20 18:25	B0G0357	WZZ	1
Chloroform	< 0.397	2.00		ug/L		0.397	07/10/20 18:25	B0G0357	WZZ	1
Chloromethane	< 2.23	8.00		ug/L		2.23	07/10/20 18:25	B0G0357	WZZ	1
cis-1,2-Dichloroethene	< 0.421	2.00		ug/L		0.421	07/10/20 18:25	B0G0357	WZZ	1
cis-1,3-Dichloropropene	< 0.278	2.00		ug/L		0.278	07/10/20 18:25	B0G0357	WZZ	1
Dibromochloromethane	< 0.492	2.00		ug/L		0.492	07/10/20 18:25	B0G0357	WZZ	1
Ethylbenzene	< 0.431	2.00		ug/L		0.431	07/10/20 18:25	B0G0357	WZZ	1
m,p-Xylene	< 0.310	4.00		ug/L		0.310	07/10/20 18:25	B0G0357	WZZ	1
Methyl tert-butyl ether	< 0.322	2.00		ug/L		0.322	07/10/20 18:25	B0G0357	WZZ	1
Methylene chloride	< 0.358	2.00		ug/L		0.358	07/10/20 18:25	B0G0357	WZZ	1
o-Xylene	< 0.349	2.00		ug/L		0.349	07/10/20 18:25	B0G0357	WZZ	1
Styrene	< 0.534	4.00		ug/L		0.534	07/10/20 18:25	B0G0357	WZZ	1
Tetrachloroethene	< 0.400	2.00		ug/L		0.400	07/10/20 18:25	B0G0357	WZZ	1
Toluene	< 0.299	2.00		ug/L		0.299	07/10/20 18:25	B0G0357	WZZ	1
trans-1,2-Dichloroethene	< 0.433	2.00		ug/L		0.433	07/10/20 18:25	B0G0357	WZZ	1
trans-1,3-Dichloropropene	< 0.314	2.00		ug/L		0.314	07/10/20 18:25	B0G0357	WZZ	1
Trichloroethene	< 0.439	2.00		ug/L		0.439	07/10/20 18:25	B0G0357	WZZ	1
Vinyl acetate	< 1.01	8.00		ug/L		1.01	07/10/20 18:25	B0G0357	WZZ	1

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20G0420

Client Sample ID: MW-3
Report Date: 07/14/2020
Collection Date: 07/08/2020 09:35
Matrix: Groundwater
Lab ID: 20G0420-04 (Continued)

Analyses	Result	EMT Reporting		Qual	Units	Reg Limit	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Limit								
Volatile Organic Compounds by GC/MS (Continued)											
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 (Continued)											
Vinyl chloride	< 0.316	2.00			ug/L		0.316	07/10/20 18:25	B0G0357	WZZ	1
Xylenes, Total	< 0.660	6.00			ug/L		0.660	07/10/20 18:25	B0G0357	WZZ	1
1,3-Dichloropropene, Total	< 0.592	4.00			ug/L		0.592	07/10/20 18:25	B0G0357	WZZ	1

Surrogate: Dibromofluoromethane								07/10/20 18:25	B0G0357	WZZ	1
Surrogate: 1,2-Dichloroethane-d4								07/10/20 18:25	B0G0357	WZZ	1
Surrogate: Fluorobenzene								07/10/20 18:25	B0G0357	WZZ	1
Surrogate: Toluene-d8								07/10/20 18:25	B0G0357	WZZ	1
Surrogate: 4-Bromofluorobenzene								07/10/20 18:25	B0G0357	WZZ	1
Surrogate: 1,2-Dichlorobenzene-d4								07/10/20 18:25	B0G0357	WZZ	1

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20G0420

Client Sample ID: Trip Blank
Report Date: 07/14/2020
Collection Date: 07/08/2020 00:00
Matrix: Groundwater
Lab ID: 20G0420-05

Analyses	Result	EMT		Units	Reg Limit	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Reporting Limit	Qual							
Volatile Organic Compounds by GC/MS										
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030										
1,1,1-Trichloroethane	< 0.349	2.00		ug/L		0.349	07/10/20 17:59	B0G0357	WZZ	1
1,1,2,2-Tetrachloroethane	< 0.291	2.00		ug/L		0.291	07/10/20 17:59	B0G0357	WZZ	1
1,1,2-Trichloroethane	< 0.264	2.00		ug/L		0.264	07/10/20 17:59	B0G0357	WZZ	1
1,1-Dichloroethane	< 1.94	8.00		ug/L		1.94	07/10/20 17:59	B0G0357	WZZ	1
1,1-Dichloroethene	< 1.02	4.00		ug/L		1.02	07/10/20 17:59	B0G0357	WZZ	1
1,2,4-Trimethylbenzene	< 0.338	2.00		ug/L		0.338	07/10/20 17:59	B0G0357	WZZ	1
1,2-Dibromo-3-chloropropane	< 0.488	2.00		ug/L		0.488	07/10/20 17:59	B0G0357	WZZ	1
1,2-Dibromoethane	< 0.320	2.00		ug/L		0.320	07/10/20 17:59	B0G0357	WZZ	1
1,2-Dichloroethane	< 0.274	2.00		ug/L		0.274	07/10/20 17:59	B0G0357	WZZ	1
1,2-Dichloropropane	< 1.11	4.00		ug/L		1.11	07/10/20 17:59	B0G0357	WZZ	1
1,3,5-Trimethylbenzene	< 0.310	2.00		ug/L		0.310	07/10/20 17:59	B0G0357	WZZ	1
1-Butanol	10.0	90.0	J	ug/L		6.69	07/10/20 17:59	B0G0357	WZZ	1
2-Butanone	< 1.38	8.00		ug/L		1.38	07/10/20 17:59	B0G0357	WZZ	1
2-Hexanone	< 1.04	8.00		ug/L		1.04	07/10/20 17:59	B0G0357	WZZ	1
4-Methyl-2-pentanone	< 0.660	28.0		ug/L		0.660	07/10/20 17:59	B0G0357	WZZ	1
Acetone	5.07	28.0	J	ug/L		3.75	07/10/20 17:59	B0G0357	WZZ	1
Acrolein	< 6.63	20.0		ug/L		6.63	07/10/20 17:59	B0G0357	WZZ	1
Acrylonitrile	< 0.742	4.00		ug/L		0.742	07/10/20 17:59	B0G0357	WZZ	1
Benzene	< 0.370	2.00		ug/L		0.370	07/10/20 17:59	B0G0357	WZZ	1
Bromodichloromethane	< 0.310	2.00		ug/L		0.310	07/10/20 17:59	B0G0357	WZZ	1
Bromoform	< 0.254	2.00		ug/L		0.254	07/10/20 17:59	B0G0357	WZZ	1
Bromomethane	< 3.30	20.0		ug/L		3.30	07/10/20 17:59	B0G0357	WZZ	1
Carbon disulfide	< 0.259	2.00		ug/L		0.259	07/10/20 17:59	B0G0357	WZZ	1
Carbon tetrachloride	< 0.390	2.00		ug/L		0.390	07/10/20 17:59	B0G0357	WZZ	1
Chlorobenzene	< 0.358	2.00		ug/L		0.358	07/10/20 17:59	B0G0357	WZZ	1
Chloroethane	< 0.906	4.00		ug/L		0.906	07/10/20 17:59	B0G0357	WZZ	1
Chloroform	< 0.397	2.00		ug/L		0.397	07/10/20 17:59	B0G0357	WZZ	1
Chloromethane	< 2.23	8.00		ug/L		2.23	07/10/20 17:59	B0G0357	WZZ	1
cis-1,2-Dichloroethene	< 0.421	2.00		ug/L		0.421	07/10/20 17:59	B0G0357	WZZ	1
cis-1,3-Dichloropropene	< 0.278	2.00		ug/L		0.278	07/10/20 17:59	B0G0357	WZZ	1
Dibromochloromethane	< 0.492	2.00		ug/L		0.492	07/10/20 17:59	B0G0357	WZZ	1
Ethylbenzene	< 0.431	2.00		ug/L		0.431	07/10/20 17:59	B0G0357	WZZ	1
m,p-Xylene	< 0.310	4.00		ug/L		0.310	07/10/20 17:59	B0G0357	WZZ	1
Methyl tert-butyl ether	< 0.322	2.00		ug/L		0.322	07/10/20 17:59	B0G0357	WZZ	1
Methylene chloride	< 0.358	2.00		ug/L		0.358	07/10/20 17:59	B0G0357	WZZ	1
o-Xylene	< 0.349	2.00		ug/L		0.349	07/10/20 17:59	B0G0357	WZZ	1
Styrene	< 0.534	4.00		ug/L		0.534	07/10/20 17:59	B0G0357	WZZ	1
Tetrachloroethene	< 0.400	2.00		ug/L		0.400	07/10/20 17:59	B0G0357	WZZ	1
Toluene	< 0.299	2.00		ug/L		0.299	07/10/20 17:59	B0G0357	WZZ	1
trans-1,2-Dichloroethene	< 0.433	2.00		ug/L		0.433	07/10/20 17:59	B0G0357	WZZ	1
trans-1,3-Dichloropropene	< 0.314	2.00		ug/L		0.314	07/10/20 17:59	B0G0357	WZZ	1
Trichloroethene	< 0.439	2.00		ug/L		0.439	07/10/20 17:59	B0G0357	WZZ	1
Vinyl acetate	< 1.01	8.00		ug/L		1.01	07/10/20 17:59	B0G0357	WZZ	1

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20G0420

Client Sample ID: Trip Blank
Report Date: 07/14/2020
Collection Date: 07/08/2020 00:00
Matrix: Groundwater
Lab ID: 20G0420-05 (Continued)

Analyses	EMT Reporting			Reg Limit	MDL	Date/Time Analyzed	Batch	Analyst	DF	
	Result	Limit	Qual Units							
Volatile Organic Compounds by GC/MS (Continued)										
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 (Continued)										
Vinyl chloride	< 0.316	2.00	ug/L		0.316	07/10/20 17:59	B0G0357	WZZ	1	
Xylenes, Total	< 0.660	6.00	ug/L		0.660	07/10/20 17:59	B0G0357	WZZ	1	
1,3-Dichloropropene, Total	< 0.592	4.00	ug/L		0.592	07/10/20 17:59	B0G0357	WZZ	1	
Surrogate: Dibromofluoromethane				Recovery: 103%	Limits: 80-135	07/10/20 17:59	B0G0357	WZZ	1	
Surrogate: 1,2-Dichloroethane-d4				Recovery: 102%	Limits: 86-132	07/10/20 17:59	B0G0357	WZZ	1	
Surrogate: Fluorobenzene				Recovery: 100%	Limits: 80-116	07/10/20 17:59	B0G0357	WZZ	1	
Surrogate: Toluene-d8				Recovery: 100%	Limits: 73-120	07/10/20 17:59	B0G0357	WZZ	1	
Surrogate: 4-Bromofluorobenzene				Recovery: 101%	Limits: 85-114	07/10/20 17:59	B0G0357	WZZ	1	
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 101%	Limits: 88-136	07/10/20 17:59	B0G0357	WZZ	1	

Dates Report

Client: United Engineering Consultants, Inc.

Report Date: 07/14/2020

Project: Waste Characterization
19044

Work Order: 20G0420

Sample ID	Client Sample ID	Collection	Matrix	Test Name	Leached Prep Date	Prep Date	Analysis Date	Batch ID	Sequence
20G0420-01	MW-1	07/08/20	Groundwater	Volatile Organic Compounds (WDNR) by GC/MS		07/10/20 15:00	07/10/20 19:41	B0G0357	S0G0143
20G0420-02	MW-2	07/08/20		Volatile Organic Compounds (WDNR) by GC/MS		07/10/20 15:00	07/10/20 19:16		
20G0420-03	MW-2 (R)	07/08/20		Volatile Organic Compounds (WDNR) by GC/MS		07/10/20 15:00	07/10/20 18:50		
20G0420-04	MW-3	07/08/20		Volatile Organic Compounds (WDNR) by GC/MS		07/10/20 15:00	07/10/20 18:25		
20G0420-05	Trip Blank	07/08/20		Volatile Organic Compounds (WDNR) by GC/MS		07/10/20 15:00	07/10/20 17:59		

Quality Control

Client: United Engineering Consultants, Inc.

Report Date: 07/14/2020

Project: Waste Characterization
19044

Matrix: Water

Work Order: 20G0420

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: B0G0357 - SW5030
Blank (B0G0357-BLK1)
Prepared: 07/10/2020 11:00 Analyzed: 07/10/2020 14:10

1,1,1-Trichloroethane	< 0.349	2.00	ug/L								1
1,1,2,2-Tetrachloroethane	< 0.291	2.00	ug/L								1
1,1,2-Trichloroethane	< 0.264	2.00	ug/L								1
1,1-Dichloroethane	< 1.94	8.00	ug/L								1
1,1-Dichloroethene	< 1.02	4.00	ug/L								1
1,2,4-Trimethylbenzene	< 0.338	2.00	ug/L								1
1,2-Dibromo-3-chloropropane	< 0.488	2.00	ug/L								1
1,2-Dibromoethane	< 0.320	2.00	ug/L								1
1,2-Dichloroethane	< 0.274	2.00	ug/L								1
1,2-Dichloropropane	< 1.11	4.00	ug/L								1
1,3,5-Trimethylbenzene	< 0.310	2.00	ug/L								1
1-Butanol	< 6.69	90.0	ug/L								1
2-Butanone	< 1.38	8.00	ug/L								1
2-Hexanone	< 1.04	8.00	ug/L								1
4-Methyl-2-pentanone	< 0.660	28.0	ug/L								1
Acetone	< 3.75	28.0	ug/L								1
Acrolein	< 6.63	20.0	ug/L								1
Acrylonitrile	< 0.742	4.00	ug/L								1
Benzene	< 0.370	2.00	ug/L								1
Bromodichloromethane	< 0.310	2.00	ug/L								1
Bromoform	< 0.254	2.00	ug/L								1
Bromomethane	< 3.30	20.0	ug/L								1
Carbon disulfide	< 0.259	2.00	ug/L								1
Carbon tetrachloride	< 0.390	2.00	ug/L								1
Chlorobenzene	< 0.358	2.00	ug/L								1
Chloroethane	< 0.906	4.00	ug/L								1
Chloroform	< 0.397	2.00	ug/L								1
Chloromethane	< 2.23	8.00	ug/L								1
cis-1,2-Dichloroethene	< 0.421	2.00	ug/L								1
cis-1,3-Dichloropropene	< 0.278	2.00	ug/L								1
Dibromochloromethane	< 0.492	2.00	ug/L								1
Ethylbenzene	< 0.431	2.00	ug/L								1
m,p-Xylene	< 0.310	4.00	ug/L								1
Methyl tert-butyl ether	< 0.322	2.00	ug/L								1
Methylene chloride	< 0.358	2.00	ug/L								1
o-Xylene	< 0.349	2.00	ug/L								1
Styrene	< 0.534	4.00	ug/L								1
Tetrachloroethene	< 0.400	2.00	ug/L								1
Toluene	< 0.299	2.00	ug/L								1
trans-1,2-Dichloroethene	< 0.433	2.00	ug/L								1
trans-1,3-Dichloropropene	< 0.314	2.00	ug/L								1
Trichloroethene	< 0.439	2.00	ug/L								1

Quality Control

(Continued)

Client: United Engineering Consultants, Inc.**Report Date:** 07/14/2020**Project:** Waste Characterization
19044**Matrix:** Water**Work Order:** 20G0420**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: B0G0357 - SW5030 (Continued)**Blank (B0G0357-BLK1) (Continued)**

Prepared: 07/10/2020 11:00 Analyzed: 07/10/2020 14:10

Vinyl acetate	< 1.01	8.00	ug/L								1
Vinyl chloride	< 0.316	2.00	ug/L								1
Xylenes, Total	< 0.660	6.00	ug/L								1
1,3-Dichloropropene, Total	< 0.592	4.00	ug/L								1
<i>Surrogate: Dibromofluoromethane</i>	19.9		ug/L	20.00		100	80-135				1
<i>Surrogate: 1,2-Dichloroethane-d4</i>	19.8		ug/L	20.00		99	86-132				1
<i>Surrogate: Fluorobenzene</i>	20.1		ug/L	20.00		101	80-116				1
<i>Surrogate: Toluene-d8</i>	20.0		ug/L	20.00		100	73-120				1
<i>Surrogate: 4-Bromofluorobenzene</i>	10.7		ug/L	10.00		107	85-114				1
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	20.2		ug/L	20.00		101	88-136				1

LCS (B0G0357-BS1)

Prepared: 07/10/2020 11:00 Analyzed: 07/10/2020 12:12

1,1,1-Trichloroethane	47.7	2.00	ug/L	50.00		95	74-131				1
1,1,2,2-Tetrachloroethane	42.7	2.00	ug/L	50.00		85	71-121				1
1,1,2-Trichloroethane	48.3	2.00	ug/L	50.00		97	80-119				1
1,1-Dichloroethane	48.7	8.00	ug/L	50.00		97	77-125				1
1,1-Dichloroethene	53.4	4.00	ug/L	50.00		107	71-131				1
1,2,4-Trimethylbenzene	49.0	2.00	ug/L	50.00		98	76-124				1
1,2-Dibromo-3-chloropropane	41.2	2.00	ug/L	50.00		82	62-128				1
1,2-Dibromoethane	46.9	2.00	ug/L	50.00		94	77-121				1
1,2-Dichloroethane	46.6	2.00	ug/L	50.00		93	73-128				1
1,2-Dichloropropane	47.8	4.00	ug/L	50.00		96	78-122				1
1,3,5-Trimethylbenzene	47.8	2.00	ug/L	50.00		96	75-124				1
1-Butanol	405	90.0	ug/L	500.0		81	70-130				1
2-Butanone	151	8.00	ug/L	175.0		86	56-143				1
2-Hexanone	150	8.00	ug/L	175.0		85	57-139				1
4-Methyl-2-pentanone	149	28.0	ug/L	175.0		85	67-130				1
Acetone	148	28.0	ug/L	175.0		84	39-160				1
Acrolein	105	20.0	ug/L	125.0		84	39-155				1
Acrylonitrile	42.8	4.00	ug/L	50.00		86	63-135				1
Benzene	48.2	2.00	ug/L	50.00		96	79-120				1
Bromodichloromethane	48.2	2.00	ug/L	50.00		96	79-125				1
Bromoform	49.1	2.00	ug/L	50.00		98	66-130				1
Bromomethane	47.5	20.0	ug/L	50.00		95	53-141				1
Carbon disulfide	48.9	2.00	ug/L	50.00		98	64-133				1
Carbon tetrachloride	49.8	2.00	ug/L	50.00		100	72-136				1
Chlorobenzene	48.1	2.00	ug/L	50.00		96	82-118				1
Chloroethane	43.5	4.00	ug/L	50.00		87	60-138				1
Chloroform	48.0	2.00	ug/L	50.00		96	79-124				1
Chloromethane	46.2	8.00	ug/L	50.00		92	50-139				1
cis-1,2-Dichloroethene	47.6	2.00	ug/L	50.00		95	78-123				1
cis-1,3-Dichloropropene	50.4	2.00	ug/L	50.00		101	75-124				1

Quality Control

(Continued)

Client: United Engineering Consultants, Inc.**Report Date:** 07/14/2020**Project:** Waste Characterization
19044**Matrix:** Water**Work Order:** 20G0420**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: B0G0357 - SW5030 (Continued)**LCS (B0G0357-BS1) (Continued)**

Prepared: 07/10/2020 11:00 Analyzed: 07/10/2020 12:12

Dibromochloromethane	49.3	2.00	ug/L	50.00		99	74-126				1
Ethylbenzene	49.5	2.00	ug/L	50.00		99	79-121				1
m,p-Xylene	99.8	4.00	ug/L	100.0		100	80-136				1
Methyl tert-butyl ether	45.1	2.00	ug/L	50.00		90	71-124				1
Methylene chloride	48.1	2.00	ug/L	50.00		96	74-124				1
o-Xylene	46.6	2.00	ug/L	50.00		93	78-122				1
Styrene	50.3	4.00	ug/L	50.00		101	78-123				1
Tetrachloroethene	51.4	2.00	ug/L	50.00		103	74-129				1
Toluene	47.3	2.00	ug/L	50.00		95	80-133				1
trans-1,2-Dichloroethene	49.4	2.00	ug/L	50.00		99	75-124				1
trans-1,3-Dichloropropene	50.0	2.00	ug/L	50.00		100	73-127				1
Trichloroethene	49.3	2.00	ug/L	50.00		99	79-123				1
Vinyl acetate	48.5	8.00	ug/L	50.00		97	54-146				1
Vinyl chloride	48.6	2.00	ug/L	50.00		97	58-137				1
Xylenes, Total	146	6.00	ug/L	150.0		98	79-121				1
1,3-Dichloropropene, Total	100	4.00	ug/L	100.0		100	77-123				1
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Surrogate: Dibromofluoromethane	19.8		ug/L	20.00		99	80-135				1
Surrogate: 1,2-Dichloroethane-d4	18.7		ug/L	20.00		93	86-132				1
Surrogate: Fluorobenzene	19.9		ug/L	20.00		100	80-116				1
Surrogate: Toluene-d8	20.1		ug/L	20.00		101	73-120				1
Surrogate: 4-Bromofluorobenzene	9.74		ug/L	10.00		97	85-114				1
Surrogate: 1,2-Dichlorobenzene-d4	19.6		ug/L	20.00		98	88-136				1

Matrix Spike (B0G0357-MS1)**Source: 20F0815-01**

Prepared: 07/10/2020 11:00 Analyzed: 07/10/2020 12:53

1,1,1-Trichloroethane	50.9	2.00	ug/L	50.00	ND	102	70-130				1
1,1,2,2-Tetrachloroethane	42.8	2.00	ug/L	50.00	ND	86	70-130				1
1,1,2-Trichloroethane	48.5	2.00	ug/L	50.00	ND	97	70-130				1
1,1-Dichloroethane	50.7	8.00	ug/L	50.00	ND	101	70-130				1
1,1-Dichloroethene	57.7	4.00	ug/L	50.00	ND	115	70-130				1
1,2,4-Trimethylbenzene	50.7	2.00	ug/L	50.00	ND	101	70-130				1
1,2-Dibromo-3-chloropropane	40.4	2.00	ug/L	50.00	ND	81	70-130				1
1,2-Dibromoethane	45.6	2.00	ug/L	50.00	ND	91	70-130				1
1,2-Dichloroethane	48.8	2.00	ug/L	50.00	ND	98	70-130				1
1,2-Dichloropropane	49.6	4.00	ug/L	50.00	ND	99	70-130				1
1,3,5-Trimethylbenzene	50.4	2.00	ug/L	50.00	ND	101	70-130				1
1-Butanol	392	90.0	ug/L	500.0	ND	78	70-130				1
2-Butanone	142	8.00	ug/L	175.0	ND	81	70-130				1
2-Hexanone	140	8.00	ug/L	175.0	ND	80	70-130				1
4-Methyl-2-pentanone	146	28.0	ug/L	175.0	ND	83	70-130				1
Acetone	129	28.0	ug/L	175.0	ND	74	70-130				1
Acrolein	103	20.0	ug/L	125.0	ND	83	70-130				1
Acrylonitrile	42.6	4.00	ug/L	50.00	ND	85	70-130				1

Quality Control

(Continued)

Client: United Engineering Consultants, Inc.**Report Date:** 07/14/2020**Project:** Waste Characterization
19044**Matrix:** Water**Work Order:** 20G0420**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: B0G0357 - SW5030 (Continued)**Matrix Spike (B0G0357-MS1) (Continued)****Source: 20F0815-01**

Prepared: 07/10/2020 11:00 Analyzed: 07/10/2020 12:53

Benzene	49.6	2.00	ug/L	50.00	ND	99	70-130				1
Bromodichloromethane	49.2	2.00	ug/L	50.00	1.23	96	70-130				1
Bromoform	48.9	2.00	ug/L	50.00	ND	98	70-130				1
Bromomethane	57.1	20.0	ug/L	50.00	ND	114	70-130				1
Carbon disulfide	54.2	2.00	ug/L	50.00	ND	108	70-130				1
Carbon tetrachloride	53.6	2.00	ug/L	50.00	ND	107	70-130				1
Chlorobenzene	50.2	2.00	ug/L	50.00	ND	100	70-130				1
Chloroethane	48.9	4.00	ug/L	50.00	ND	98	70-130				1
Chloroform	52.4	2.00	ug/L	50.00	2.33	100	70-130				1
Chloromethane	49.8	8.00	ug/L	50.00	ND	100	70-130				1
cis-1,2-Dichloroethene	50.0	2.00	ug/L	50.00	ND	100	70-130				1
cis-1,3-Dichloropropene	50.6	2.00	ug/L	50.00	ND	101	70-130				1
Dibromochloromethane	49.5	2.00	ug/L	50.00	ND	99	70-130				1
Ethylbenzene	52.2	2.00	ug/L	50.00	ND	104	70-130				1
m,p-Xylene	103	4.00	ug/L	100.0	ND	103	70-130				1
Methyl tert-butyl ether	46.4	2.00	ug/L	50.00	ND	93	70-130				1
Methylene chloride	50.8	2.00	ug/L	50.00	ND	102	70-130				1
o-Xylene	48.1	2.00	ug/L	50.00	ND	96	70-130				1
Styrene	51.0	4.00	ug/L	50.00	ND	102	70-130				1
Tetrachloroethene	48.8	2.00	ug/L	50.00	ND	98	70-130				1
Toluene	48.7	2.00	ug/L	50.00	ND	97	70-130				1
trans-1,2-Dichloroethene	52.3	2.00	ug/L	50.00	ND	105	70-130				1
trans-1,3-Dichloropropene	51.0	2.00	ug/L	50.00	ND	102	70-130				1
Trichloroethene	49.5	2.00	ug/L	50.00	ND	99	70-130				1
Vinyl acetate	49.9	8.00	ug/L	50.00	ND	100	70-130				1
Vinyl chloride	54.0	2.00	ug/L	50.00	ND	108	70-130				1
Xylenes, Total	151	6.00	ug/L	150.0	ND	101	70-130				1
1,3-Dichloropropene, Total	102	4.00	ug/L	100.0	ND	102	70-130				1
<hr/>											
Surrogate: Dibromofluoromethane	20.9		ug/L	20.00		104	80-135				1
Surrogate: 1,2-Dichloroethane-d4	19.3		ug/L	20.00		96	86-132				1
Surrogate: Fluorobenzene	19.8		ug/L	20.00		99	80-116				1
Surrogate: Toluene-d8	19.6		ug/L	20.00		98	73-120				1
Surrogate: 4-Bromofluorobenzene	9.62		ug/L	10.00		96	85-114				1
Surrogate: 1,2-Dichlorobenzene-d4	19.0		ug/L	20.00		95	88-136				1

Matrix Spike Dup (B0G0357-MSD1)**Source: 20F0815-01**

Prepared: 07/10/2020 11:00 Analyzed: 07/10/2020 13:19

1,1,1-Trichloroethane	52.8	2.00	ug/L	50.00	ND	106	70-130	4	20		1
1,1,1,2-Tetrachloroethane	48.4	2.00	ug/L	50.00	ND	97	70-130	12	20		1
1,1,2-Trichloroethane	51.0	2.00	ug/L	50.00	ND	102	70-130	5	20		1
1,1-Dichloroethane	52.5	8.00	ug/L	50.00	ND	105	70-130	4	20		1
1,1-Dichloroethene	59.4	4.00	ug/L	50.00	ND	119	70-130	3	20		1
1,2,4-Trimethylbenzene	54.9	2.00	ug/L	50.00	ND	110	70-130	8	20		1

Quality Control

(Continued)

Client: United Engineering Consultants, Inc.**Report Date:** 07/14/2020**Project:** Waste Characterization
19044**Matrix:** Water**Work Order:** 20G0420**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: B0G0357 - SW5030 (Continued)**Matrix Spike Dup (B0G0357-MSD1) (Continued)****Source: 20F0815-01**

Prepared: 07/10/2020 11:00 Analyzed: 07/10/2020 13:19

1,2-Dibromo-3-chloropropane	47.2	2.00	ug/L	50.00	ND	94	70-130	15	20		1
1,2-Dibromoethane	52.0	2.00	ug/L	50.00	ND	104	70-130	13	20		1
1,2-Dichloroethane	50.0	2.00	ug/L	50.00	ND	100	70-130	2	20		1
1,2-Dichloropropane	51.4	4.00	ug/L	50.00	ND	103	70-130	4	20		1
1,3,5-Trimethylbenzene	53.5	2.00	ug/L	50.00	ND	107	70-130	6	20		1
1-Butanol	467	90.0	ug/L	500.0	ND	93	70-130	18	20		1
2-Butanone	155	8.00	ug/L	175.0	ND	89	70-130	9	20		1
2-Hexanone	164	8.00	ug/L	175.0	ND	94	70-130	16	20		1
4-Methyl-2-pentanone	164	28.0	ug/L	175.0	ND	94	70-130	12	20		1
Acetone	141	28.0	ug/L	175.0	ND	81	70-130	9	20		1
Acrolein	111	20.0	ug/L	125.0	ND	89	70-130	8	20		1
Acrylonitrile	45.3	4.00	ug/L	50.00	ND	91	70-130	6	20		1
Benzene	52.5	2.00	ug/L	50.00	ND	105	70-130	6	20		1
Bromodichloromethane	52.4	2.00	ug/L	50.00	1.23	102	70-130	6	20		1
Bromoform	54.0	2.00	ug/L	50.00	ND	108	70-130	10	20		1
Bromomethane	59.1	20.0	ug/L	50.00	ND	118	70-130	3	20		1
Carbon disulfide	54.2	2.00	ug/L	50.00	ND	108	70-130	0.02	20		1
Carbon tetrachloride	54.7	2.00	ug/L	50.00	ND	109	70-130	2	20		1
Chlorobenzene	52.7	2.00	ug/L	50.00	ND	105	70-130	5	20		1
Chloroethane	49.2	4.00	ug/L	50.00	ND	98	70-130	0.5	20		1
Chloroform	54.3	2.00	ug/L	50.00	2.33	104	70-130	4	20		1
Chloromethane	51.5	8.00	ug/L	50.00	ND	103	70-130	3	20		1
cis-1,2-Dichloroethene	51.3	2.00	ug/L	50.00	ND	103	70-130	3	20		1
cis-1,3-Dichloropropene	53.3	2.00	ug/L	50.00	ND	107	70-130	5	20		1
Dibromochloromethane	53.5	2.00	ug/L	50.00	ND	107	70-130	8	20		1
Ethylbenzene	54.6	2.00	ug/L	50.00	ND	109	70-130	5	20		1
m,p-Xylene	110	4.00	ug/L	100.0	ND	110	70-130	7	20		1
Methyl tert-butyl ether	48.6	2.00	ug/L	50.00	ND	97	70-130	5	20		1
Methylene chloride	52.6	2.00	ug/L	50.00	ND	105	70-130	3	20		1
o-Xylene	52.4	2.00	ug/L	50.00	ND	105	70-130	9	20		1
Styrene	54.6	4.00	ug/L	50.00	ND	109	70-130	7	20		1
Tetrachloroethene	52.4	2.00	ug/L	50.00	ND	105	70-130	7	20		1
Toluene	52.4	2.00	ug/L	50.00	ND	105	70-130	7	20		1
trans-1,2-Dichloroethene	53.7	2.00	ug/L	50.00	ND	107	70-130	3	20		1
trans-1,3-Dichloropropene	52.1	2.00	ug/L	50.00	ND	104	70-130	2	20		1
Trichloroethene	51.6	2.00	ug/L	50.00	ND	103	70-130	4	20		1
Vinyl acetate	51.1	8.00	ug/L	50.00	ND	102	70-130	2	20		1
Vinyl chloride	54.0	2.00	ug/L	50.00	ND	108	70-130	0.03	20		1
Xylenes, Total	163	6.00	ug/L	150.0	ND	109	70-130	7	20		1
1,3-Dichloropropene, Total	105	4.00	ug/L	100.0	ND	105	70-130	4	20		1
Surrogate: Dibromofluoromethane	20.8		ug/L	20.00		104	80-135				1
Surrogate: 1,2-Dichloroethane-d4	19.4		ug/L	20.00		97	86-132				1

Quality Control

(Continued)

Client: United Engineering Consultants, Inc.

Report Date: 07/14/2020

Project: Waste Characterization
19044

Matrix: Water

Work Order: 20G0420

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: B0G0357 - SW5030 (Continued)

Matrix Spike Dup (B0G0357-MSD1) (Continued)

Source: 20F0815-01

Prepared: 07/10/2020 11:00 Analyzed: 07/10/2020 13:19

Surrogate: Fluorobenzene	19.8		ug/L	20.00		99	80-116				1
Surrogate: Toluene-d8	20.2		ug/L	20.00		101	73-120				1
Surrogate: 4-Bromofluorobenzene	9.69		ug/L	10.00		97	85-114				1
Surrogate: 1,2-Dichlorobenzene-d4	20.0		ug/L	20.00		100	88-136				1

Certified Analyses included in this Report

Analyte	CAS #	Certifications
<i>SW-846 8260B/WDNR: PUBL-FW-140 in Water</i>		
1,1,1-Trichloroethane	71-55-6	WDNR
1,1,2,2-Tetrachloroethane	79-34-5	WDNR
1,1,2-Trichloroethane	79-00-5	WDNR
1,1-Dichloroethane	75-34-3	WDNR
1,1-Dichloroethene	75-35-4	WDNR
1,2,4-Trimethylbenzene	95-63-6	WDNR
1,2-Dibromo-3-chloropropane	96-12-8	WDNR
1,2-Dibromoethane	106-93-4	WDNR
1,2-Dichloroethane	107-06-2	WDNR
1,2-Dichloropropane	78-87-5	WDNR
1,3,5-Trimethylbenzene	108-67-8	WDNR
1-Butanol	71-36-3	WDNR
2-Butanone	78-93-3	WDNR
2-Hexanone	591-78-6	WDNR
4-Methyl-2-pentanone	108-10-1	WDNR
Acetone	67-64-1	WDNR
Acrolein	107-02-8	WDNR
Acrylonitrile	107-13-1	WDNR
Benzene	71-43-2	WDNR
Bromodichloromethane	75-27-4	WDNR
Bromoform	75-25-2	WDNR
Bromomethane	74-83-9	WDNR
Carbon disulfide	75-15-0	WDNR
Carbon tetrachloride	56-23-5	WDNR
Chlorobenzene	108-90-7	WDNR
Chloroethane	75-00-3	WDNR
Chloroform	67-66-3	WDNR
Chloromethane	74-87-3	WDNR
cis-1,2-Dichloroethene	156-59-2	WDNR
cis-1,3-Dichloropropene	10061-01-5	WDNR
Dibromochloromethane	124-48-1	WDNR
Ethylbenzene	100-41-4	WDNR
m,p-Xylene	179601-23-1	WDNR
Methyl tert-butyl ether	1634-04-4	WDNR
Methylene chloride	75-09-2	WDNR
o-Xylene	95-47-6	WDNR
Styrene	100-42-5	WDNR
Tetrachloroethene	127-18-4	WDNR
Toluene	108-88-3	WDNR
trans-1,2-Dichloroethene	156-60-5	WDNR
trans-1,3-Dichloropropene	10061-02-6	WDNR

Certified Analyses included in this Report (Continued)

Analyte	CAS #	Certifications
SW-846 8260B/WDNR: PUBL-FW-140 in Water (Continued)		
Trichloroethene	79-01-6	WDNR
Vinyl acetate	108-05-4	WDNR
Vinyl chloride	75-01-4	WDNR
Xylenes, Total	1330-20-7	WDNR
1,3-Dichloropropene, Total	542-75-6	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	1002562020-1	07/27/2020
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	08/31/2020

Qualifiers and Definitions

Item	Description
J	The reported result is an estimated value.
%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 A
TECHNOLOGIES,**

509 N. 3rd Avenue
Des Plaines, IL 60016



20G0420

PM: Jacoby Jackson
United Engineering Consultants, Inc.
Waste Characterization

of Custody Record

TURNAROUND TIME:

- RUSH
____ day turnaround
 ROUTINE

56
7-6735
om

Due Date: _____ COC #: **236380**

Company: UEC, INC.
Address: 2938 S. 166TH STREET
NEW BERLIN, WI 53151
Phone #: (262) 785-1447 Fax #: (252) 706-4400
P.O. #: _____ Proj. #: _____
Client Contact: T. ANDERSON
Project ID / Location: 19044

- 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

EMT
USE
ONLY

EMT
WORKORDER

#20G0420

Sample I.D.	Sample Type	Container			Sampling					Preservation		VOC	EMT USE ONLY
		Size	Type	No.	By	Date	Time	pH	Temp.	Field	Lab		
MW-1	6	40ML	G	3	NJA	7/3/20	10:20	-	-	5		X	01A-C
MW-2	↓	↓	↓	↓	↓	↓	12:15	↓	↓	↓		X	02A-C
MW-2(R)	↓	↓	↓	↓	↓	↓	12:20	↓	↓	↓		X	03A-C
MW-3	↓	↓	↓	↓	↓	↓	9:35	↓	↓	↓		X	04A-C
TRIP BLANK	-	↓	↓	1	-	-	-	↓	↓	↓		X	05A

Relinquished By: <i>Mike Andesi</i>	Date: 7-10-20 Time: 0940	Received By: <i>Juhavak</i>	Date: 7-10-20 Time: 0940	EMT USE ONLY	<input checked="" type="checkbox"/> SAMPLE RECEIVED ON ICE <input type="checkbox"/> TEMPERATURE 4.2 EMT SAMPLE RETURN POLICY ON BACK
Relinquished By: <i>Juhavak</i>	Date: 7-10-20 Time: 1310	Received By:	Date: - - Time: :	Client Code: EMT Project I.D.	
Relinquished By:	Date: - - Time: :	Received For Lab By: <i>Ag... ..</i>	Date: 7-10-20 Time: 13:10	Jar Lot No.	

SPECIAL INSTRUCTIONS:

Sample Receipt Checklist

Work Order: 20G0420

Printed: 7/10/2020 1:59:50PM

Client: United Engineering Consultants, Inc.	Date Due: Friday, July 17, 2020
Project: Waste Characterization	

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

Date Received: 07/10/20 13:10
 Date Logged In: 07/10/20 13:47

Sample Temperature at Receipt:	4.2°C
How were samples received?	EMT
Custody Seals Present	No
Custody Seals Intact	NA
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

Trip Blank

1

Comments

ABC

7/10/20