

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 #)	
ONE HOUR MARTINIZING - MILWAUKEE		02-41-584106	
Address	City	State	ZIP Code
233 W. LAYTON AVENUE	MILWAUKEE	WI	53207

Responsible Party

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

Property Owner

GOTTFRIED REAL ESTATE LLC

Address	City	State	ZIP Code
PO BOX 26	MUSKEGO	WI	53212
Contact Person	Phone Number (include area code)		
BRIAN GOTTFRIED	(414) 416-5665		

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)

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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		ANDERSON	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)		
ALESSI	TIMOTHY	(414) 263-8563		
Address		City	State	ZIP Code
2300 N. DR. MARTIN LUTHER KING JR. DRIVE		MILWAUKEE	WI	53212
Email				
TIMOTHY.ALESSI@WISCONSIN.GOV				

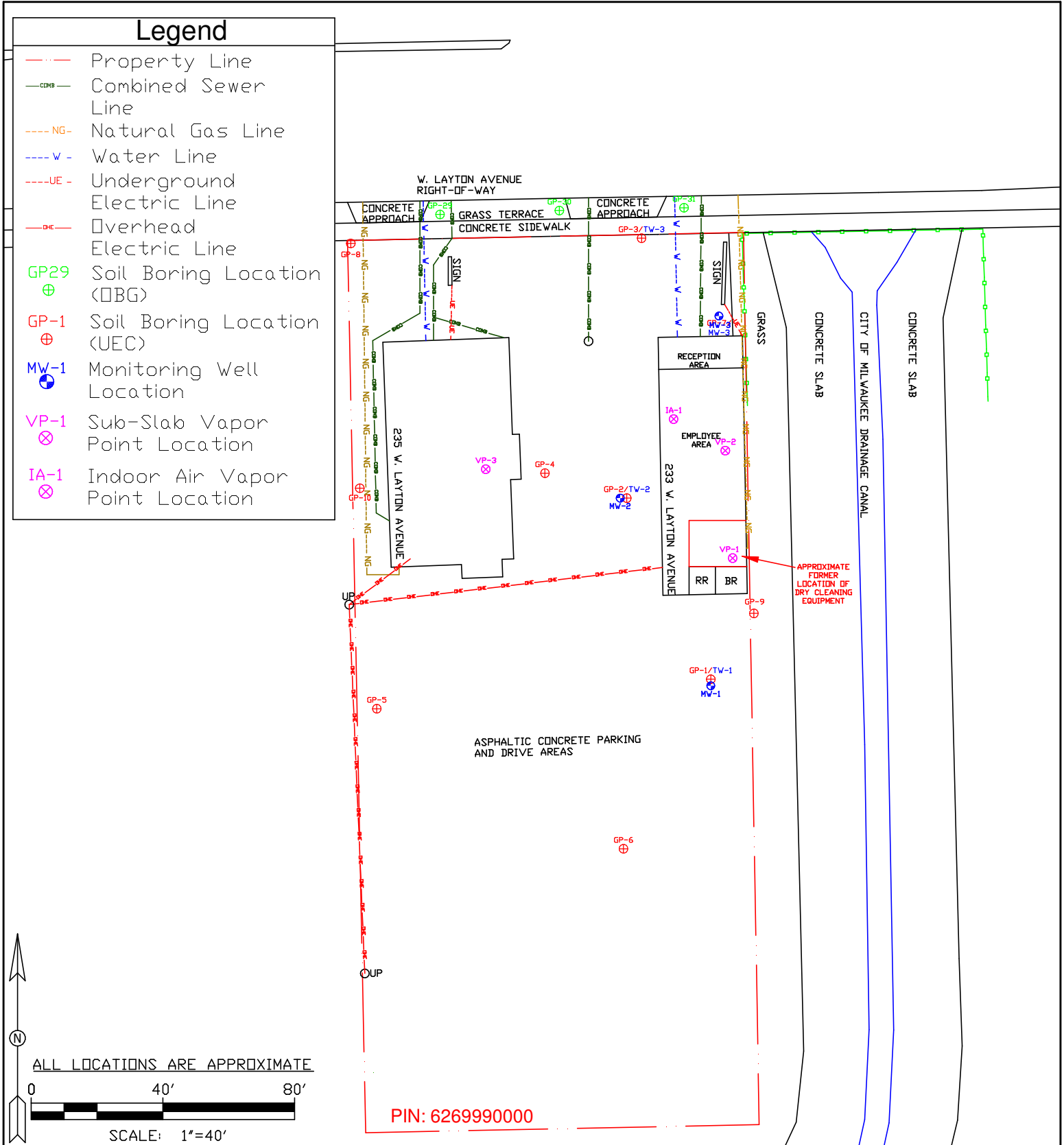


Figure 3: Soil Boring, Monitoring Well and Sub-Slab and Indoor Air Vapor Sample Location Map

**United Engineering
Consultants, Inc.**

2938 S. 166th Street
New Berlin, WI 53151
Tel. (262) 785-1447
Fax (262) 706-4400

#19006

DRAWN BY: NJA

DATE: 07/29/2020

**Site Investigation Report
One Hour Martinizing - Milwaukee /
Wisconsin Auto Title Loans
233/235 W. Layton Avenue
Milwaukee, WI 53207**

Table 3
VOC Analytical Results - Groundwater
One Hour Martinizing - Milwaukee / Wisconsin Auto Title Loans
233/235 W. Layton Avenue
Milwaukee, Wisconsin 53207

Analyte	MW-1				MW-2								ES	PAL
	12/26/19	03/18/20	07/31/20	10/30/20	12/26/19	12/26/19	03/18/20	3/18/20(R)	07/31/20	7/31/20(R)	10/30/20	10/30/20(R)		
Volatile Organic Compounds (VOC) (Method: SW-846 8260B / PUBL-FW-140 / SW5030)														
Acetone	7.07J	<3.75	<3.75	<3.75 Q,S1	<3.75	<3.75	<3.75	<3.75	<3.75	<3.75	<3.75 Q,S1	<3.75 Q,S1	9000	1800
Acrolein	<6.63	<6.63	<6.63	<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	<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	<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	<0.310	<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	<0.254	<0.254	<0.254	4.4	0.44
Bromomethane	<3.30S	<3.30	<3.30	<3.30	<3.30S	<3.30S	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	10	1
1-Butanol	<6.69S	<6.69	<6.69	<6.69	<6.69S	<6.69S	<6.69	<6.69	<6.69	<6.69	<6.69	<6.69	-	-
2-Butanone	<1.38	<1.38	<1.38	<1.38	<1.38	<1.38	<1.38	<1.38	<1.38	<1.38	<1.38	<1.38	-	-
Carbon disulfide	0.640J	0.660J,B	<0.359	<0.359	<0.259	<0.259	0.620J,B	0.630J,B	<0.259	<0.259	<0.359	<0.359	1000	200
Carbon tetrachloride	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	5	0.5
Chlorobenzene	<0.358	<0.358	<0.358	<0.358	<0.358	<0.358	<0.358	<0.358	<0.358	<0.358	<0.358	<0.358	-	-
Chloroethane	<0.906S	<0.906	<0.906	<0.906	<0.906S	<0.906S	<0.906	<0.906	<0.906	<0.906	<0.906	<0.906	400	80
Chloroform	<0.397	<0.397	<0.397	<0.397	<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	<2.23	<2.23	<2.23	30	3
1,2-Dibromo-3-chloropropane	<0.488S	<0.488	<0.488	<0.488	<0.488S	<0.488S	<0.488	<0.488	<0.488	<0.488	<0.488	<0.488	0.2	0.02
1,2-Dibromoethane (EDB)	<0.320	<0.320	<0.320	<0.320	<0.320	<0.320	<0.320	<0.320	<0.320	<0.320	<0.320	<0.320	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	<1.94	<1.94	<1.94	850	85
1,2-Dichloroethane	<0.274	<0.274	<0.274	<0.274	<0.274	<0.274	<0.274	<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	<1.02	<1.02	<1.02	7	0.7
cis-1,2-Dichloroethene	<0.421	<0.421	<0.421	<0.421	<0.421	<0.421	<0.421	<0.421	<0.421	<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	<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	<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	<0.492	<0.492	<0.492	700	140
cis-1,3-Dichloropropene	<0.278	<0.278	<0.278	<0.278	<0.278	<0.278	<0.278	<0.278	<0.278	<0.278	<0.278	<0.278	-	-
trans-1,3-Dichloropropene	<0.314	<0.314	<0.314	<0.314	<0.314	<0.314	<0.314	<0.314	<0.314	<0.314	<0.314	<0.314	-	-
1,3-Dichloropropene, Total	<0.592	<0.592	<0.592	<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	<0.431	<0.431	<0.431	700	140
2-Hexanone	<1.04	1.85J,B	<1.04	<1.04	<1.04	<1.04	1.80J,B	1.94J,B	<1.04	<1.04	<1.04	<1.04	-	-
4-Methyl-2-pentanone	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<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	<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	<0.358	<0.358	<0.358	5	0.5
Styrene	<0.534	<0.534	<0.534	<0.534	<0.534	<0.534	<0.534	<0.534	<0.534	<0.534	<0.534	<0.534	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	<0.291	<0.291	<0.291	0.2	0.02
Tetrachloroethene	<0.400	0.710J*	<0.400	<0.400	10.7	9.97	29.6	27.4	22.3	21.5	20.0	21.5	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	<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	<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	<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	<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	<0.264	<0.264	<0.264	5	0.5
Trichloroethene	<0.439	<0.439	<0.439	<0.439	<0.439	<0.439	0.850J*	0.820J*	<0.439	<0.439	0.726J*	0.833J*	5	0.5
Vinyl acetate	<1.01	<1.01	<1.01	<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	<0.316	<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	<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	<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	<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
J Analyte detected between the Limit of Detection and Limit of Quantitation
S The quality control sample recovery is outside of the laboratory control limits.
B Analyte was present in the method blank
* Not considered an exceedance per NR 140.14(3)

Table 3
VOC Analytical Results - Groundwater
One Hour Martinizing - Milwaukee / Wisconsin Auto Title Loans
233/235 W. Layton Avenue
Milwaukee, Wisconsin 53207

Analyte	MW-3				ES	PAL
	12/26/19	03/18/20	07/31/20	10/30/20		
Volatile Organic Compounds (VOC) (Method: SW-846 8260B / PUBL-FW-140 / SW5030)						
Acetone	<3.75	<3.75	<3.75	<3.75 Q,S1	9000	1800
Acrolein	<6.63	<6.63	<6.63	<6.63	-	-
Acrylonitrile	<0.742	<0.742	<0.742	<0.742	-	-
Benzene	<0.370	<0.370	<0.370	<0.370	5	0.5
Bromodichloromethane	<0.310	<0.310	<0.310	<0.310	0.6	0.06
Bromoform	<0.254	<0.254	<0.254	<0.254	4.4	0.44
Bromomethane	<3.30S	<3.30	<3.30	<3.30	10	1
1-Butanol	<6.69S	<6.69	<6.69	<6.69	-	-
2-Butanone	<1.38	<1.38	<1.38	<1.38	-	-
Carbon disulfide	<0.259	0.980J,B	<0.259	<0.359	1000	200
Carbon tetrachloride	<0.390	<0.390	<0.390	<0.390	5	0.5
Chlorobenzene	<0.358	<0.358	<0.358	<0.358	-	-
Chloroethane	<0.906S	<0.906	<0.906	<0.906	400	80
Chloroform	<0.397	<0.397	<0.397	<0.397	6	0.6
Chloromethane	<2.23	<2.23	<2.23	<2.23	30	3
1,2-Dibromo-3-chloropropane	<0.488S	<0.488	<0.488	<0.488	0.2	0.02
1,2-Dibromoethane (EDB)	<0.320	<0.320	<0.320	<0.320	0.05	0.005
1,1-Dichloroethane	<1.94	<1.94	<1.94	<1.94	850	85
1,2-Dichloroethane	<0.274	<0.274	<0.274	<0.274	5	0.5
1,1-Dichloroethene	<1.02	<1.02	<1.02	<1.02	7	0.7
cis-1,2-Dichloroethene	<0.421	<0.421	<0.421	<0.421	70	7
trans-1,2-Dichloroethene	<0.433	<0.433	<0.433	<0.433	100	20
1,2-Dichloropropane	<1.11	<1.11	<1.11	<1.11	5	0.5
Dibromochloromethane	<0.492	<0.492	<0.492	<0.492	700	140
cis-1,3-Dichloropropene	<0.278	<0.278	<0.278	<0.278	-	-
trans-1,3-Dichloropropene	<0.314	<0.314	<0.314	<0.314	-	-
1,3-Dichloropropene, Total	<0.592	<0.592	<0.592	<0.592	0.4	0.04
Ethylbenzene	<0.431	<0.431	<0.431	<0.431	700	140
2-Hexanone	<1.04	1.93J,B	<1.04	<1.04	-	-
4-Methyl-2-pentanone	<0.660	<0.660	<0.660	<0.660	-	-
Methyl tert-Butyl ether	<0.322	<0.322	<0.322	<0.322	60	12
Methylene chloride	<0.358	<0.358	<0.358	<0.358	5	0.5
Styrene	<0.534	<0.534	<0.534	<0.534	100	10
1,1,2,2-Tetrachloroethane	<0.291	<0.291	<0.291	<0.291	0.2	0.02
Tetrachloroethene	<0.400	<0.400	<0.400	<0.400	5	0.5
1,2,4-Trimethylbenzene	<0.338	<0.338	<0.338	<0.338	480	96
1,3,5-Trimethylbenzene	<0.310	<0.310	<0.310	<0.310		
Toluene	<0.299	<0.299	<0.299	<0.299	800	160
1,1,1-Trichloroethane	<0.349	<0.349	<0.349	<0.349	200	40
1,1,2-Trichloroethane	<0.264	<0.264	<0.264	<0.264	5	0.5
Trichloroethene	<0.439	<0.439	<0.439	<0.439	5	0.5
Vinyl acetate	<1.01	<1.01	<1.01	<1.01	-	-
Vinyl chloride	<0.316	<0.316	<0.316	<0.316	0.2	0.02
m,p-Xylene	<0.310	<0.310	<0.310	<0.310	-	-
o-Xylene	<0.349	<0.349	<0.349	<0.349	-	-
Xylenes, Total	<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
J Analyte detected between the Limit of Detection and Limit of Quantitation
S The quality control sample recovery is outside of the laboratory control limits.
B Analyte was present in the method blank
* Not considered an exceedance per NR 140.14(3)

Table 3
VOC Analytical Results - Groundwater
One Hour Martinizing - Milwaukee / Wisconsin Auto Title Loans
233/235 W. Layton Avenue
Milwaukee, Wisconsin 53207

Analyte	Trip Blank	Trip Blank	Trip Blank	Trip Blank	ES	PAL
	12/26/19	03/19/20	07/31/20	10/30/20		
Volatile Organic Compounds (VOC) (Method: SW-846 8260B / PUBL-FW-140 / SW5030)						
Acetone	<3.75	<3.75	<3.75	<3.75Q,S1	9000	1800
Acrolein	<6.63	<6.63	<6.63	<6.63	-	-
Acrylonitrile	<0.742	<0.742	<0.742	<0.742	-	-
Benzene	<0.370	<0.370	<0.370	<0.370	5	0.5
Bromodichloromethane	<0.310	<0.310	<0.310	<0.310	0.6	0.06
Bromoform	<0.254	<0.254	<0.254	<0.254	4.4	0.44
Bromomethane	<3.30S	<3.30S	<3.30	<3.30	10	1
1-Butanol	<6.69S	<6.69S	<6.69	<6.69	-	-
2-Butanone	<1.38	<1.38	<1.38	<1.38	-	-
Carbon disulfide	<0.259	0.570J,B	<0.259	<0.259	1000	200
Carbon tetrachloride	<0.390	<0.390	<0.390	<0.390	5	0.5
Chlorobenzene	<0.358	<0.358	<0.358	<0.358	-	-
Chloroethane	<0.906S	<0.906S	<0.906	<0.906	400	80
Chloroform	<0.397	<0.397	<0.397	<0.397	6	0.6
Chloromethane	<2.23	<2.23	<2.23	<2.23	30	3
1,2-Dibromo-3-chloropropane	<0.488S	<0.488S	<0.488	<0.488	0.2	0.02
1,2-Dibromoethane (EDB)	<0.320	<0.320	<0.320	<0.320	0.05	0.005
1,1-Dichloroethane	<1.94	<1.94	<1.94	<1.94	850	85
1,2-Dichloroethane	<0.274	0.280J	<0.274	<0.274	5	0.5
1,1-Dichloroethene	<1.02	<1.02	<1.02	<1.02	7	0.7
cis-1,2-Dichloroethene	<0.421	<0.421	<0.421	<0.421	70	7
trans-1,2-Dichloroethene	<0.433	<0.433	<0.433	<0.433	100	20
1,2-Dichloropropane	<1.11	<1.11	<1.11	<1.11	5	0.5
Dibromochloromethane	<0.492	<0.492	<0.492	<0.492	700	140
cis-1,3-Dichloropropene	<0.278	<0.278	<0.278	<0.278	-	-
trans-1,3-Dichloropropene	<0.314	<0.314	<0.314	<0.314	-	-
1,3-Dichloropropene, Total	<0.592	<0.592	<0.592	<0.592	0.4	0.04
Ethylbenzene	<0.431	<0.431	<0.431	<0.431	700	140
2-Hexanone	<1.04	2.07J,B	<1.04	<1.04	-	-
4-Methyl-2-pentanone	<0.660	<0.660	<0.660	<0.660	-	-
Methyl tert-Butyl ether	<0.322	<0.322	<0.322	<0.322	60	12
Methylene chloride	<0.358	<0.358	<0.358	<0.358	5	0.5
Styrene	<0.534	<0.534	<0.534	<0.534	100	10
1,1,2,2-Tetrachloroethane	<0.291	<0.291	<0.291	<0.291	0.2	0.02
Tetrachloroethene	<0.400	<0.400	<0.400	<0.400	5	0.5
1,2,4-Trimethylbenzene	<0.338	<0.338	<0.338	<0.338	480	96
1,3,5-Trimethylbenzene	<0.310	<0.310	<0.310	<0.310		
Toluene	<0.299	<0.299	<0.299	<0.299	800	160
1,1,1-Trichloroethane	<0.349	<0.349	<0.349	<0.349	200	40
1,1,2-Trichloroethane	<0.264	<0.264	<0.264	<0.264	5	0.5
Trichloroethene	<0.439	<0.439	<0.439	<0.439	5	0.5
Vinyl acetate	<1.01	<1.01	<1.01	<1.01	-	-
Vinyl chloride	<0.316	<0.316	<0.316	<0.316	0.2	0.02
m,p-Xylene	<0.310	<0.310	<0.310	<0.310	-	-
o-Xylene	<0.349	<0.349	<0.349	<0.349	-	-
Xylenes, Total	<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
J Analyte detected between the Limit of Detection and Limit of Quantitation
S The quality control sample recovery is outside of the laboratory control limits.
B Analyte was present in the method blank

Analytical Report

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

November 05, 2020

Work Order: 20K0155

RE: UEC Analysis
19006

Dear Timothy J. Anderson:

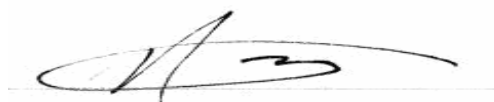
Enclosed are the analytical reports for the EMT Work Order listed. Also included with this analytical report is a copy of the chain of custody associated with these samples. If you have any questions, please contact me.

Sincerely,



Jacoby Jackson
Project Manager
847.967.6666
jjackson@emt.com
Approved for release: 11/5/2020 11:52:35AM

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	20K0155-01	Groundwater	10/30/20 10:30	11/02/20 12:50
MW-2	20K0155-02	Groundwater	10/30/20 10:45	11/02/20 12:50
MW-2 Dup.	20K0155-03	Groundwater	10/30/20 11:00	11/02/20 12:50
MW-3	20K0155-04	Groundwater	10/30/20 11:15	11/02/20 12:50
Trip Blank	20K0155-05	Groundwater	10/30/20 00:00	11/02/20 12:50

Case Narrative

Client: United Engineering Consultants, Inc.

Date: 11/05/2020

Project: UEC Analysis
19006

Work Order: 20K0155

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: 20K0155

The samples were received on 11/02/20 12:50. 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	4.3

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

Client Sample Results

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
 19006
Work Order: 20K0155

Client Sample ID: MW-1
Report Date: 11/05/2020
Collection Date: 10/30/2020 10:30
Matrix: Groundwater
Lab ID: 20K0155-01

Analyses	Result	EMT Reporting		Units	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	11/02/20 19:32	B0K0079	WZZ	1	
1,1,2,2-Tetrachloroethane	< 0.291	2.00		ug/L	0.291	11/02/20 19:32	B0K0079	WZZ	1	
1,1,2-Trichloroethane	< 0.264	2.00		ug/L	0.264	11/02/20 19:32	B0K0079	WZZ	1	
1,1-Dichloroethane	< 1.94	8.00		ug/L	1.94	11/02/20 19:32	B0K0079	WZZ	1	
1,1-Dichloroethene	< 1.02	4.00		ug/L	1.02	11/02/20 19:32	B0K0079	WZZ	1	
1,2,4-Trimethylbenzene	< 0.338	2.00		ug/L	0.338	11/02/20 19:32	B0K0079	WZZ	1	
1,2-Dibromo-3-chloropropane	< 0.488	2.00		ug/L	0.488	11/02/20 19:32	B0K0079	WZZ	1	
1,2-Dibromoethane	< 0.320	2.00		ug/L	0.320	11/02/20 19:32	B0K0079	WZZ	1	
1,2-Dichloroethane	< 0.274	2.00		ug/L	0.274	11/02/20 19:32	B0K0079	WZZ	1	
1,2-Dichloropropane	< 1.11	4.00		ug/L	1.11	11/02/20 19:32	B0K0079	WZZ	1	
1,3,5-Trimethylbenzene	< 0.310	2.00		ug/L	0.310	11/02/20 19:32	B0K0079	WZZ	1	
1-Butanol	< 6.69	90.0		ug/L	6.69	11/02/20 19:32	B0K0079	WZZ	1	
2-Butanone	< 1.38	8.00		ug/L	1.38	11/02/20 19:32	B0K0079	WZZ	1	
2-Hexanone	< 1.04	8.00		ug/L	1.04	11/02/20 19:32	B0K0079	WZZ	1	
4-Methyl-2-pentanone	< 0.660	28.0		ug/L	0.660	11/02/20 19:32	B0K0079	WZZ	1	
Acetone	< 3.75	28.0	Q, S1	ug/L	3.75	11/02/20 19:32	B0K0079	WZZ	1	
Acrolein	< 6.63	20.0		ug/L	6.63	11/02/20 19:32	B0K0079	WZZ	1	
Acrylonitrile	< 0.742	4.00		ug/L	0.742	11/02/20 19:32	B0K0079	WZZ	1	
Benzene	< 0.370	2.00		ug/L	0.370	11/02/20 19:32	B0K0079	WZZ	1	
Bromodichloromethane	< 0.310	2.00		ug/L	0.310	11/02/20 19:32	B0K0079	WZZ	1	
Bromoform	< 0.254	2.00		ug/L	0.254	11/02/20 19:32	B0K0079	WZZ	1	
Bromomethane	< 3.30	20.0		ug/L	3.30	11/02/20 19:32	B0K0079	WZZ	1	
Carbon disulfide	< 0.259	2.00		ug/L	0.259	11/02/20 19:32	B0K0079	WZZ	1	
Carbon tetrachloride	< 0.390	2.00		ug/L	0.390	11/02/20 19:32	B0K0079	WZZ	1	
Chlorobenzene	< 0.358	2.00		ug/L	0.358	11/02/20 19:32	B0K0079	WZZ	1	
Chloroethane	< 0.906	4.00		ug/L	0.906	11/02/20 19:32	B0K0079	WZZ	1	
Chloroform	< 0.397	2.00		ug/L	0.397	11/02/20 19:32	B0K0079	WZZ	1	
Chloromethane	< 2.23	8.00		ug/L	2.23	11/02/20 19:32	B0K0079	WZZ	1	
cis-1,2-Dichloroethene	< 0.421	2.00		ug/L	0.421	11/02/20 19:32	B0K0079	WZZ	1	
cis-1,3-Dichloropropene	< 0.278	2.00		ug/L	0.278	11/02/20 19:32	B0K0079	WZZ	1	
Dibromochloromethane	< 0.492	2.00		ug/L	0.492	11/02/20 19:32	B0K0079	WZZ	1	
Ethylbenzene	< 0.431	2.00		ug/L	0.431	11/02/20 19:32	B0K0079	WZZ	1	
m,p-Xylene	< 0.310	4.00		ug/L	0.310	11/02/20 19:32	B0K0079	WZZ	1	
Methyl tert-butyl ether	< 0.322	2.00		ug/L	0.322	11/02/20 19:32	B0K0079	WZZ	1	
Methylene chloride	< 0.358	2.00		ug/L	0.358	11/02/20 19:32	B0K0079	WZZ	1	
Naphthalene	< 0.377	2.00		ug/L	0.377	11/02/20 19:32	B0K0079	WZZ	1	
o-Xylene	< 0.349	2.00		ug/L	0.349	11/02/20 19:32	B0K0079	WZZ	1	
Styrene	< 0.534	4.00		ug/L	0.534	11/02/20 19:32	B0K0079	WZZ	1	
Tetrachloroethene	< 0.400	2.00		ug/L	0.400	11/02/20 19:32	B0K0079	WZZ	1	
Toluene	< 0.299	2.00		ug/L	0.299	11/02/20 19:32	B0K0079	WZZ	1	
trans-1,2-Dichloroethene	< 0.433	2.00		ug/L	0.433	11/02/20 19:32	B0K0079	WZZ	1	
trans-1,3-Dichloropropene	< 0.314	2.00		ug/L	0.314	11/02/20 19:32	B0K0079	WZZ	1	
Trichloroethene	< 0.439	2.00		ug/L	0.439	11/02/20 19:32	B0K0079	WZZ	1	

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
 19006
Work Order: 20K0155

Client Sample ID: MW-1
Report Date: 11/05/2020
Collection Date: 10/30/2020 10:30
Matrix: Groundwater
Lab ID: 20K0155-01 (Continued)

Analyses	Result	EMT Reporting		MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual Units					
Volatile Organic Compounds by GC/MS (Continued)								
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 (Continued)								
Vinyl acetate	< 1.01	8.00	ug/L	1.01	11/02/20 19:32	B0K0079	WZZ	1
Vinyl chloride	< 0.316	2.00	ug/L	0.316	11/02/20 19:32	B0K0079	WZZ	1
Xylenes, Total	< 0.660	6.00	ug/L	0.660	11/02/20 19:32	B0K0079	WZZ	1
1,3-Dichloropropene, Total	< 0.592	4.00	ug/L	0.592	11/02/20 19:32	B0K0079	WZZ	1
Surrogate: Dibromofluoromethane				Recovery: 103% Limits: 80-135	11/02/20 19:32	B0K0079	WZZ	1
Surrogate: 1,2-Dichloroethane-d4				Recovery: 103% Limits: 86-132	11/02/20 19:32	B0K0079	WZZ	1
Surrogate: Fluorobenzene				Recovery: 101% Limits: 80-116	11/02/20 19:32	B0K0079	WZZ	1
Surrogate: Toluene-d8				Recovery: 93% Limits: 73-120	11/02/20 19:32	B0K0079	WZZ	1
Surrogate: 4-Bromofluorobenzene				Recovery: 106% Limits: 85-114	11/02/20 19:32	B0K0079	WZZ	1
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 93% Limits: 88-136	11/02/20 19:32	B0K0079	WZZ	1

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
 19006
Work Order: 20K0155

Client Sample ID: MW-2
Report Date: 11/05/2020
Collection Date: 10/30/2020 10:45
Matrix: Groundwater
Lab ID: 20K0155-02

Analyses	Result	EMT Reporting		Units	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	11/02/20 19:06	B0K0079	WZZ	1	
1,1,2,2-Tetrachloroethane	< 0.291	2.00		ug/L	0.291	11/02/20 19:06	B0K0079	WZZ	1	
1,1,2-Trichloroethane	< 0.264	2.00		ug/L	0.264	11/02/20 19:06	B0K0079	WZZ	1	
1,1-Dichloroethane	< 1.94	8.00		ug/L	1.94	11/02/20 19:06	B0K0079	WZZ	1	
1,1-Dichloroethene	< 1.02	4.00		ug/L	1.02	11/02/20 19:06	B0K0079	WZZ	1	
1,2,4-Trimethylbenzene	< 0.338	2.00		ug/L	0.338	11/02/20 19:06	B0K0079	WZZ	1	
1,2-Dibromo-3-chloropropane	< 0.488	2.00		ug/L	0.488	11/02/20 19:06	B0K0079	WZZ	1	
1,2-Dibromoethane	< 0.320	2.00		ug/L	0.320	11/02/20 19:06	B0K0079	WZZ	1	
1,2-Dichloroethane	< 0.274	2.00		ug/L	0.274	11/02/20 19:06	B0K0079	WZZ	1	
1,2-Dichloropropane	< 1.11	4.00		ug/L	1.11	11/02/20 19:06	B0K0079	WZZ	1	
1,3,5-Trimethylbenzene	< 0.310	2.00		ug/L	0.310	11/02/20 19:06	B0K0079	WZZ	1	
1-Butanol	< 6.69	90.0		ug/L	6.69	11/02/20 19:06	B0K0079	WZZ	1	
2-Butanone	< 1.38	8.00		ug/L	1.38	11/02/20 19:06	B0K0079	WZZ	1	
2-Hexanone	< 1.04	8.00		ug/L	1.04	11/02/20 19:06	B0K0079	WZZ	1	
4-Methyl-2-pentanone	< 0.660	28.0		ug/L	0.660	11/02/20 19:06	B0K0079	WZZ	1	
Acetone	< 3.75	28.0	Q, S1	ug/L	3.75	11/02/20 19:06	B0K0079	WZZ	1	
Acrolein	< 6.63	20.0		ug/L	6.63	11/02/20 19:06	B0K0079	WZZ	1	
Acrylonitrile	< 0.742	4.00		ug/L	0.742	11/02/20 19:06	B0K0079	WZZ	1	
Benzene	< 0.370	2.00		ug/L	0.370	11/02/20 19:06	B0K0079	WZZ	1	
Bromodichloromethane	< 0.310	2.00		ug/L	0.310	11/02/20 19:06	B0K0079	WZZ	1	
Bromoform	< 0.254	2.00		ug/L	0.254	11/02/20 19:06	B0K0079	WZZ	1	
Bromomethane	< 3.30	20.0		ug/L	3.30	11/02/20 19:06	B0K0079	WZZ	1	
Carbon disulfide	< 0.259	2.00		ug/L	0.259	11/02/20 19:06	B0K0079	WZZ	1	
Carbon tetrachloride	< 0.390	2.00		ug/L	0.390	11/02/20 19:06	B0K0079	WZZ	1	
Chlorobenzene	< 0.358	2.00		ug/L	0.358	11/02/20 19:06	B0K0079	WZZ	1	
Chloroethane	< 0.906	4.00		ug/L	0.906	11/02/20 19:06	B0K0079	WZZ	1	
Chloroform	< 0.397	2.00		ug/L	0.397	11/02/20 19:06	B0K0079	WZZ	1	
Chloromethane	< 2.23	8.00		ug/L	2.23	11/02/20 19:06	B0K0079	WZZ	1	
cis-1,2-Dichloroethene	< 0.421	2.00		ug/L	0.421	11/02/20 19:06	B0K0079	WZZ	1	
cis-1,3-Dichloropropene	< 0.278	2.00		ug/L	0.278	11/02/20 19:06	B0K0079	WZZ	1	
Dibromochloromethane	< 0.492	2.00		ug/L	0.492	11/02/20 19:06	B0K0079	WZZ	1	
Ethylbenzene	< 0.431	2.00		ug/L	0.431	11/02/20 19:06	B0K0079	WZZ	1	
m,p-Xylene	< 0.310	4.00		ug/L	0.310	11/02/20 19:06	B0K0079	WZZ	1	
Methyl tert-butyl ether	< 0.322	2.00		ug/L	0.322	11/02/20 19:06	B0K0079	WZZ	1	
Methylene chloride	< 0.358	2.00		ug/L	0.358	11/02/20 19:06	B0K0079	WZZ	1	
Naphthalene	< 0.377	2.00		ug/L	0.377	11/02/20 19:06	B0K0079	WZZ	1	
o-Xylene	< 0.349	2.00		ug/L	0.349	11/02/20 19:06	B0K0079	WZZ	1	
Styrene	< 0.534	4.00		ug/L	0.534	11/02/20 19:06	B0K0079	WZZ	1	
Tetrachloroethene	20.0	2.00		ug/L	0.400	11/02/20 19:06	B0K0079	WZZ	1	
Toluene	< 0.299	2.00		ug/L	0.299	11/02/20 19:06	B0K0079	WZZ	1	
trans-1,2-Dichloroethene	< 0.433	2.00		ug/L	0.433	11/02/20 19:06	B0K0079	WZZ	1	
trans-1,3-Dichloropropene	< 0.314	2.00		ug/L	0.314	11/02/20 19:06	B0K0079	WZZ	1	
Trichloroethene	0.726	2.00	J	ug/L	0.439	11/02/20 19:06	B0K0079	WZZ	1	

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
 19006
Work Order: 20K0155

Client Sample ID: MW-2
Report Date: 11/05/2020
Collection Date: 10/30/2020 10:45
Matrix: Groundwater
Lab ID: 20K0155-02 (Continued)

Analyses	Result	EMT Reporting		MDL	Date/Time Analyzed	Batch	Analyst	DF	
		Limit	Qual Units						
Volatile Organic Compounds by GC/MS (Continued)									
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 (Continued)									
Vinyl acetate	< 1.01	8.00	ug/L	1.01	11/02/20 19:06	B0K0079	WZZ	1	
Vinyl chloride	< 0.316	2.00	ug/L	0.316	11/02/20 19:06	B0K0079	WZZ	1	
Xylenes, Total	< 0.660	6.00	ug/L	0.660	11/02/20 19:06	B0K0079	WZZ	1	
1,3-Dichloropropene, Total	< 0.592	4.00	ug/L	0.592	11/02/20 19:06	B0K0079	WZZ	1	
Surrogate: Dibromofluoromethane				Recovery: 98% Limits: 80-135	11/02/20 19:06	B0K0079	WZZ	1	
Surrogate: 1,2-Dichloroethane-d4				Recovery: 99% Limits: 86-132	11/02/20 19:06	B0K0079	WZZ	1	
Surrogate: Fluorobenzene				Recovery: 100% Limits: 80-116	11/02/20 19:06	B0K0079	WZZ	1	
Surrogate: Toluene-d8				Recovery: 98% Limits: 73-120	11/02/20 19:06	B0K0079	WZZ	1	
Surrogate: 4-Bromofluorobenzene				Recovery: 100% Limits: 85-114	11/02/20 19:06	B0K0079	WZZ	1	
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 92% Limits: 88-136	11/02/20 19:06	B0K0079	WZZ	1	

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
 19006
Work Order: 20K0155

Client Sample ID: MW-2 Dup.
Report Date: 11/05/2020
Collection Date: 10/30/2020 11:00
Matrix: Groundwater
Lab ID: 20K0155-03

Analyses	Result	EMT Reporting		Units	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	11/02/20 18:41	B0K0079	WZZ	1	
1,1,2,2-Tetrachloroethane	< 0.291	2.00		ug/L	0.291	11/02/20 18:41	B0K0079	WZZ	1	
1,1,2-Trichloroethane	< 0.264	2.00		ug/L	0.264	11/02/20 18:41	B0K0079	WZZ	1	
1,1-Dichloroethane	< 1.94	8.00		ug/L	1.94	11/02/20 18:41	B0K0079	WZZ	1	
1,1-Dichloroethene	< 1.02	4.00		ug/L	1.02	11/02/20 18:41	B0K0079	WZZ	1	
1,2,4-Trimethylbenzene	< 0.338	2.00		ug/L	0.338	11/02/20 18:41	B0K0079	WZZ	1	
1,2-Dibromo-3-chloropropane	< 0.488	2.00		ug/L	0.488	11/02/20 18:41	B0K0079	WZZ	1	
1,2-Dibromoethane	< 0.320	2.00		ug/L	0.320	11/02/20 18:41	B0K0079	WZZ	1	
1,2-Dichloroethane	< 0.274	2.00		ug/L	0.274	11/02/20 18:41	B0K0079	WZZ	1	
1,2-Dichloropropane	< 1.11	4.00		ug/L	1.11	11/02/20 18:41	B0K0079	WZZ	1	
1,3,5-Trimethylbenzene	< 0.310	2.00		ug/L	0.310	11/02/20 18:41	B0K0079	WZZ	1	
1-Butanol	< 6.69	90.0		ug/L	6.69	11/02/20 18:41	B0K0079	WZZ	1	
2-Butanone	< 1.38	8.00		ug/L	1.38	11/02/20 18:41	B0K0079	WZZ	1	
2-Hexanone	< 1.04	8.00		ug/L	1.04	11/02/20 18:41	B0K0079	WZZ	1	
4-Methyl-2-pentanone	< 0.660	28.0		ug/L	0.660	11/02/20 18:41	B0K0079	WZZ	1	
Acetone	< 3.75	28.0	Q, S1	ug/L	3.75	11/02/20 18:41	B0K0079	WZZ	1	
Acrolein	< 6.63	20.0		ug/L	6.63	11/02/20 18:41	B0K0079	WZZ	1	
Acrylonitrile	< 0.742	4.00		ug/L	0.742	11/02/20 18:41	B0K0079	WZZ	1	
Benzene	< 0.370	2.00		ug/L	0.370	11/02/20 18:41	B0K0079	WZZ	1	
Bromodichloromethane	< 0.310	2.00		ug/L	0.310	11/02/20 18:41	B0K0079	WZZ	1	
Bromoform	< 0.254	2.00		ug/L	0.254	11/02/20 18:41	B0K0079	WZZ	1	
Bromomethane	< 3.30	20.0		ug/L	3.30	11/02/20 18:41	B0K0079	WZZ	1	
Carbon disulfide	< 0.259	2.00		ug/L	0.259	11/02/20 18:41	B0K0079	WZZ	1	
Carbon tetrachloride	< 0.390	2.00		ug/L	0.390	11/02/20 18:41	B0K0079	WZZ	1	
Chlorobenzene	< 0.358	2.00		ug/L	0.358	11/02/20 18:41	B0K0079	WZZ	1	
Chloroethane	< 0.906	4.00		ug/L	0.906	11/02/20 18:41	B0K0079	WZZ	1	
Chloroform	< 0.397	2.00		ug/L	0.397	11/02/20 18:41	B0K0079	WZZ	1	
Chloromethane	< 2.23	8.00		ug/L	2.23	11/02/20 18:41	B0K0079	WZZ	1	
cis-1,2-Dichloroethene	< 0.421	2.00		ug/L	0.421	11/02/20 18:41	B0K0079	WZZ	1	
cis-1,3-Dichloropropene	< 0.278	2.00		ug/L	0.278	11/02/20 18:41	B0K0079	WZZ	1	
Dibromochloromethane	< 0.492	2.00		ug/L	0.492	11/02/20 18:41	B0K0079	WZZ	1	
Ethylbenzene	< 0.431	2.00		ug/L	0.431	11/02/20 18:41	B0K0079	WZZ	1	
m,p-Xylene	< 0.310	4.00		ug/L	0.310	11/02/20 18:41	B0K0079	WZZ	1	
Methyl tert-butyl ether	< 0.322	2.00		ug/L	0.322	11/02/20 18:41	B0K0079	WZZ	1	
Methylene chloride	< 0.358	2.00		ug/L	0.358	11/02/20 18:41	B0K0079	WZZ	1	
Naphthalene	< 0.377	2.00		ug/L	0.377	11/02/20 18:41	B0K0079	WZZ	1	
o-Xylene	< 0.349	2.00		ug/L	0.349	11/02/20 18:41	B0K0079	WZZ	1	
Styrene	< 0.534	4.00		ug/L	0.534	11/02/20 18:41	B0K0079	WZZ	1	
Tetrachloroethene	21.5	2.00		ug/L	0.400	11/02/20 18:41	B0K0079	WZZ	1	
Toluene	< 0.299	2.00		ug/L	0.299	11/02/20 18:41	B0K0079	WZZ	1	
trans-1,2-Dichloroethene	< 0.433	2.00		ug/L	0.433	11/02/20 18:41	B0K0079	WZZ	1	
trans-1,3-Dichloropropene	< 0.314	2.00		ug/L	0.314	11/02/20 18:41	B0K0079	WZZ	1	
Trichloroethene	0.833	2.00	J	ug/L	0.439	11/02/20 18:41	B0K0079	WZZ	1	

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
 19006
Work Order: 20K0155

Client Sample ID: MW-2 Dup.
Report Date: 11/05/2020
Collection Date: 10/30/2020 11:00
Matrix: Groundwater
Lab ID: 20K0155-03 (Continued)

Analyses	Result	EMT Reporting		MDL	Date/Time Analyzed	Batch	Analyst	DF	
		Limit	Qual Units						
Volatile Organic Compounds by GC/MS (Continued)									
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 (Continued)									
Vinyl acetate	< 1.01	8.00	ug/L	1.01	11/02/20 18:41	B0K0079	WZZ	1	
Vinyl chloride	< 0.316	2.00	ug/L	0.316	11/02/20 18:41	B0K0079	WZZ	1	
Xylenes, Total	< 0.660	6.00	ug/L	0.660	11/02/20 18:41	B0K0079	WZZ	1	
1,3-Dichloropropene, Total	< 0.592	4.00	ug/L	0.592	11/02/20 18:41	B0K0079	WZZ	1	
Surrogate: Dibromofluoromethane				Recovery: 105% Limits: 80-135	11/02/20 18:41	B0K0079	WZZ	1	
Surrogate: 1,2-Dichloroethane-d4				Recovery: 103% Limits: 86-132	11/02/20 18:41	B0K0079	WZZ	1	
Surrogate: Fluorobenzene				Recovery: 103% Limits: 80-116	11/02/20 18:41	B0K0079	WZZ	1	
Surrogate: Toluene-d8				Recovery: 92% Limits: 73-120	11/02/20 18:41	B0K0079	WZZ	1	
Surrogate: 4-Bromofluorobenzene				Recovery: 108% Limits: 85-114	11/02/20 18:41	B0K0079	WZZ	1	
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 98% Limits: 88-136	11/02/20 18:41	B0K0079	WZZ	1	

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
 19006
Work Order: 20K0155

Client Sample ID: MW-3
Report Date: 11/05/2020
Collection Date: 10/30/2020 11:15
Matrix: Groundwater
Lab ID: 20K0155-04

Analyses	Result	EMT Reporting		Units	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	11/02/20 18:15	B0K0079	WZZ	1	
1,1,2,2-Tetrachloroethane	< 0.291	2.00		ug/L	0.291	11/02/20 18:15	B0K0079	WZZ	1	
1,1,2-Trichloroethane	< 0.264	2.00		ug/L	0.264	11/02/20 18:15	B0K0079	WZZ	1	
1,1-Dichloroethane	< 1.94	8.00		ug/L	1.94	11/02/20 18:15	B0K0079	WZZ	1	
1,1-Dichloroethene	< 1.02	4.00		ug/L	1.02	11/02/20 18:15	B0K0079	WZZ	1	
1,2,4-Trimethylbenzene	< 0.338	2.00		ug/L	0.338	11/02/20 18:15	B0K0079	WZZ	1	
1,2-Dibromo-3-chloropropane	< 0.488	2.00		ug/L	0.488	11/02/20 18:15	B0K0079	WZZ	1	
1,2-Dibromoethane	< 0.320	2.00		ug/L	0.320	11/02/20 18:15	B0K0079	WZZ	1	
1,2-Dichloroethane	< 0.274	2.00		ug/L	0.274	11/02/20 18:15	B0K0079	WZZ	1	
1,2-Dichloropropane	< 1.11	4.00		ug/L	1.11	11/02/20 18:15	B0K0079	WZZ	1	
1,3,5-Trimethylbenzene	< 0.310	2.00		ug/L	0.310	11/02/20 18:15	B0K0079	WZZ	1	
1-Butanol	< 6.69	90.0		ug/L	6.69	11/02/20 18:15	B0K0079	WZZ	1	
2-Butanone	< 1.38	8.00		ug/L	1.38	11/02/20 18:15	B0K0079	WZZ	1	
2-Hexanone	< 1.04	8.00		ug/L	1.04	11/02/20 18:15	B0K0079	WZZ	1	
4-Methyl-2-pentanone	< 0.660	28.0		ug/L	0.660	11/02/20 18:15	B0K0079	WZZ	1	
Acetone	< 3.75	28.0	Q, S1	ug/L	3.75	11/02/20 18:15	B0K0079	WZZ	1	
Acrolein	< 6.63	20.0		ug/L	6.63	11/02/20 18:15	B0K0079	WZZ	1	
Acrylonitrile	< 0.742	4.00		ug/L	0.742	11/02/20 18:15	B0K0079	WZZ	1	
Benzene	< 0.370	2.00		ug/L	0.370	11/02/20 18:15	B0K0079	WZZ	1	
Bromodichloromethane	< 0.310	2.00		ug/L	0.310	11/02/20 18:15	B0K0079	WZZ	1	
Bromoform	< 0.254	2.00		ug/L	0.254	11/02/20 18:15	B0K0079	WZZ	1	
Bromomethane	< 3.30	20.0		ug/L	3.30	11/02/20 18:15	B0K0079	WZZ	1	
Carbon disulfide	< 0.259	2.00		ug/L	0.259	11/02/20 18:15	B0K0079	WZZ	1	
Carbon tetrachloride	< 0.390	2.00		ug/L	0.390	11/02/20 18:15	B0K0079	WZZ	1	
Chlorobenzene	< 0.358	2.00		ug/L	0.358	11/02/20 18:15	B0K0079	WZZ	1	
Chloroethane	< 0.906	4.00		ug/L	0.906	11/02/20 18:15	B0K0079	WZZ	1	
Chloroform	< 0.397	2.00		ug/L	0.397	11/02/20 18:15	B0K0079	WZZ	1	
Chloromethane	< 2.23	8.00		ug/L	2.23	11/02/20 18:15	B0K0079	WZZ	1	
cis-1,2-Dichloroethene	< 0.421	2.00		ug/L	0.421	11/02/20 18:15	B0K0079	WZZ	1	
cis-1,3-Dichloropropene	< 0.278	2.00		ug/L	0.278	11/02/20 18:15	B0K0079	WZZ	1	
Dibromochloromethane	< 0.492	2.00		ug/L	0.492	11/02/20 18:15	B0K0079	WZZ	1	
Ethylbenzene	< 0.431	2.00		ug/L	0.431	11/02/20 18:15	B0K0079	WZZ	1	
m,p-Xylene	< 0.310	4.00		ug/L	0.310	11/02/20 18:15	B0K0079	WZZ	1	
Methyl tert-butyl ether	< 0.322	2.00		ug/L	0.322	11/02/20 18:15	B0K0079	WZZ	1	
Methylene chloride	< 0.358	2.00		ug/L	0.358	11/02/20 18:15	B0K0079	WZZ	1	
Naphthalene	< 0.377	2.00		ug/L	0.377	11/02/20 18:15	B0K0079	WZZ	1	
o-Xylene	< 0.349	2.00		ug/L	0.349	11/02/20 18:15	B0K0079	WZZ	1	
Styrene	< 0.534	4.00		ug/L	0.534	11/02/20 18:15	B0K0079	WZZ	1	
Tetrachloroethene	< 0.400	2.00		ug/L	0.400	11/02/20 18:15	B0K0079	WZZ	1	
Toluene	< 0.299	2.00		ug/L	0.299	11/02/20 18:15	B0K0079	WZZ	1	
trans-1,2-Dichloroethene	< 0.433	2.00		ug/L	0.433	11/02/20 18:15	B0K0079	WZZ	1	
trans-1,3-Dichloropropene	< 0.314	2.00		ug/L	0.314	11/02/20 18:15	B0K0079	WZZ	1	
Trichloroethene	< 0.439	2.00		ug/L	0.439	11/02/20 18:15	B0K0079	WZZ	1	

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
 19006
Work Order: 20K0155

Client Sample ID: MW-3
Report Date: 11/05/2020
Collection Date: 10/30/2020 11:15
Matrix: Groundwater
Lab ID: 20K0155-04 (Continued)

Analyses	Result	EMT Reporting		MDL	Date/Time Analyzed	Batch	Analyst	DF	
		Limit	Qual Units						
Volatile Organic Compounds by GC/MS (Continued)									
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 (Continued)									
Vinyl acetate	< 1.01	8.00	ug/L	1.01	11/02/20 18:15	B0K0079	WZZ	1	
Vinyl chloride	< 0.316	2.00	ug/L	0.316	11/02/20 18:15	B0K0079	WZZ	1	
Xylenes, Total	< 0.660	6.00	ug/L	0.660	11/02/20 18:15	B0K0079	WZZ	1	
1,3-Dichloropropene, Total	< 0.592	4.00	ug/L	0.592	11/02/20 18:15	B0K0079	WZZ	1	
Surrogate: Dibromofluoromethane				Recovery: 98%	Limits: 80-135	11/02/20 18:15	B0K0079	WZZ	1
Surrogate: 1,2-Dichloroethane-d4				Recovery: 100%	Limits: 86-132	11/02/20 18:15	B0K0079	WZZ	1
Surrogate: Fluorobenzene				Recovery: 97%	Limits: 80-116	11/02/20 18:15	B0K0079	WZZ	1
Surrogate: Toluene-d8				Recovery: 94%	Limits: 73-120	11/02/20 18:15	B0K0079	WZZ	1
Surrogate: 4-Bromofluorobenzene				Recovery: 104%	Limits: 85-114	11/02/20 18:15	B0K0079	WZZ	1
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 90%	Limits: 88-136	11/02/20 18:15	B0K0079	WZZ	1

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
 19006
Work Order: 20K0155

Client Sample ID: Trip Blank
Report Date: 11/05/2020
Collection Date: 10/30/2020 00:00
Matrix: Groundwater
Lab ID: 20K0155-05

Analyses	Result	EMT Reporting		Units	MDL	Date/Time Analyzed	Batch	Analyst	DF	
		Limit	Qual							
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030										
1,1,1-Trichloroethane	< 0.349	2.00		ug/L	0.349	11/02/20 16:33	B0K0079	WZZ	1	
1,1,2,2-Tetrachloroethane	< 0.291	2.00		ug/L	0.291	11/02/20 16:33	B0K0079	WZZ	1	
1,1,2-Trichloroethane	< 0.264	2.00		ug/L	0.264	11/02/20 16:33	B0K0079	WZZ	1	
1,1-Dichloroethane	< 1.94	8.00		ug/L	1.94	11/02/20 16:33	B0K0079	WZZ	1	
1,1-Dichloroethene	< 1.02	4.00		ug/L	1.02	11/02/20 16:33	B0K0079	WZZ	1	
1,2,4-Trimethylbenzene	< 0.338	2.00		ug/L	0.338	11/02/20 16:33	B0K0079	WZZ	1	
1,2-Dibromo-3-chloropropane	< 0.488	2.00		ug/L	0.488	11/02/20 16:33	B0K0079	WZZ	1	
1,2-Dibromoethane	< 0.320	2.00		ug/L	0.320	11/02/20 16:33	B0K0079	WZZ	1	
1,2-Dichloroethane	< 0.274	2.00		ug/L	0.274	11/02/20 16:33	B0K0079	WZZ	1	
1,2-Dichloropropane	< 1.11	4.00		ug/L	1.11	11/02/20 16:33	B0K0079	WZZ	1	
1,3,5-Trimethylbenzene	< 0.310	2.00		ug/L	0.310	11/02/20 16:33	B0K0079	WZZ	1	
1-Butanol	< 6.69	90.0		ug/L	6.69	11/02/20 16:33	B0K0079	WZZ	1	
2-Butanone	< 1.38	8.00		ug/L	1.38	11/02/20 16:33	B0K0079	WZZ	1	
2-Hexanone	< 1.04	8.00		ug/L	1.04	11/02/20 16:33	B0K0079	WZZ	1	
4-Methyl-2-pentanone	< 0.660	28.0		ug/L	0.660	11/02/20 16:33	B0K0079	WZZ	1	
Acetone	< 3.75	28.0	Q, S1	ug/L	3.75	11/02/20 16:33	B0K0079	WZZ	1	
Acrolein	< 6.63	20.0		ug/L	6.63	11/02/20 16:33	B0K0079	WZZ	1	
Acrylonitrile	< 0.742	4.00		ug/L	0.742	11/02/20 16:33	B0K0079	WZZ	1	
Benzene	< 0.370	2.00		ug/L	0.370	11/02/20 16:33	B0K0079	WZZ	1	
Bromodichloromethane	< 0.310	2.00		ug/L	0.310	11/02/20 16:33	B0K0079	WZZ	1	
Bromoform	< 0.254	2.00		ug/L	0.254	11/02/20 16:33	B0K0079	WZZ	1	
Bromomethane	< 3.30	20.0		ug/L	3.30	11/02/20 16:33	B0K0079	WZZ	1	
Carbon disulfide	< 0.259	2.00		ug/L	0.259	11/02/20 16:33	B0K0079	WZZ	1	
Carbon tetrachloride	< 0.390	2.00		ug/L	0.390	11/02/20 16:33	B0K0079	WZZ	1	
Chlorobenzene	< 0.358	2.00		ug/L	0.358	11/02/20 16:33	B0K0079	WZZ	1	
Chloroethane	< 0.906	4.00		ug/L	0.906	11/02/20 16:33	B0K0079	WZZ	1	
Chloroform	< 0.397	2.00		ug/L	0.397	11/02/20 16:33	B0K0079	WZZ	1	
Chloromethane	< 2.23	8.00		ug/L	2.23	11/02/20 16:33	B0K0079	WZZ	1	
cis-1,2-Dichloroethene	< 0.421	2.00		ug/L	0.421	11/02/20 16:33	B0K0079	WZZ	1	
cis-1,3-Dichloropropene	< 0.278	2.00		ug/L	0.278	11/02/20 16:33	B0K0079	WZZ	1	
Dibromochloromethane	< 0.492	2.00		ug/L	0.492	11/02/20 16:33	B0K0079	WZZ	1	
Ethylbenzene	< 0.431	2.00		ug/L	0.431	11/02/20 16:33	B0K0079	WZZ	1	
m,p-Xylene	< 0.310	4.00		ug/L	0.310	11/02/20 16:33	B0K0079	WZZ	1	
Methyl tert-butyl ether	< 0.322	2.00		ug/L	0.322	11/02/20 16:33	B0K0079	WZZ	1	
Methylene chloride	< 0.358	2.00		ug/L	0.358	11/02/20 16:33	B0K0079	WZZ	1	
Naphthalene	< 0.377	2.00		ug/L	0.377	11/02/20 16:33	B0K0079	WZZ	1	
o-Xylene	< 0.349	2.00		ug/L	0.349	11/02/20 16:33	B0K0079	WZZ	1	
Styrene	< 0.534	4.00		ug/L	0.534	11/02/20 16:33	B0K0079	WZZ	1	
Tetrachloroethene	< 0.400	2.00		ug/L	0.400	11/02/20 16:33	B0K0079	WZZ	1	
Toluene	< 0.299	2.00		ug/L	0.299	11/02/20 16:33	B0K0079	WZZ	1	
trans-1,2-Dichloroethene	< 0.433	2.00		ug/L	0.433	11/02/20 16:33	B0K0079	WZZ	1	
trans-1,3-Dichloropropene	< 0.314	2.00		ug/L	0.314	11/02/20 16:33	B0K0079	WZZ	1	
Trichloroethene	< 0.439	2.00		ug/L	0.439	11/02/20 16:33	B0K0079	WZZ	1	

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
 19006
Work Order: 20K0155

Client Sample ID: Trip Blank
Report Date: 11/05/2020
Collection Date: 10/30/2020 00:00
Matrix: Groundwater
Lab ID: 20K0155-05 (Continued)

Analyses	Result	EMT Reporting		MDL	Date/Time Analyzed	Batch	Analyst	DF	
		Limit	Qual Units						
Volatile Organic Compounds by GC/MS (Continued)									
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 (Continued)									
Vinyl acetate	< 1.01	8.00	ug/L	1.01	11/02/20 16:33	B0K0079	WZZ	1	
Vinyl chloride	< 0.316	2.00	ug/L	0.316	11/02/20 16:33	B0K0079	WZZ	1	
Xylenes, Total	< 0.660	6.00	ug/L	0.660	11/02/20 16:33	B0K0079	WZZ	1	
1,3-Dichloropropene, Total	< 0.592	4.00	ug/L	0.592	11/02/20 16:33	B0K0079	WZZ	1	
Surrogate: Dibromofluoromethane				Recovery: 100% Limits: 80-135	11/02/20 16:33	B0K0079	WZZ	1	
Surrogate: 1,2-Dichloroethane-d4				Recovery: 103% Limits: 86-132	11/02/20 16:33	B0K0079	WZZ	1	
Surrogate: Fluorobenzene				Recovery: 100% Limits: 80-116	11/02/20 16:33	B0K0079	WZZ	1	
Surrogate: Toluene-d8				Recovery: 94% Limits: 73-120	11/02/20 16:33	B0K0079	WZZ	1	
Surrogate: 4-Bromofluorobenzene				Recovery: 108% Limits: 85-114	11/02/20 16:33	B0K0079	WZZ	1	
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 93% Limits: 88-136	11/02/20 16:33	B0K0079	WZZ	1	

Dates Report

Client: United Engineering Consultants, Inc.

Report Date: 11/05/2020

Project: UEC Analysis
19006

Work Order: 20K0155

Sample ID	Client Sample ID	Collection	Matrix	Test Name	Leached Prep Date	Prep Date	Analysis Date	Batch ID	Sequence
20K0155-01	MW-1	10/30/20	Groundwater	Volatile Organic Compounds (WDNR) by GC/MS		11/02/20 12:30	11/02/20 19:32	B0K0079	S0K0036
20K0155-02	MW-2	10/30/20		Volatile Organic Compounds (WDNR) by GC/MS		11/02/20 12:30	11/02/20 19:06		
20K0155-03	MW-2 Dup.	10/30/20		Volatile Organic Compounds (WDNR) by GC/MS		11/02/20 12:30	11/02/20 18:41		
20K0155-04	MW-3	10/30/20		Volatile Organic Compounds (WDNR) by GC/MS		11/02/20 12:30	11/02/20 18:15		
20K0155-05	Trip Blank	10/30/20		Volatile Organic Compounds (WDNR) by GC/MS		11/02/20 12:30	11/02/20 16:33		

Quality Control

Client: United Engineering Consultants, Inc.

Report Date: 11/05/2020

Project: UEC Analysis
19006

Matrix: Water

Work Order: 20K0155

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-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
Naphthalene	< 0.377	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

Quality Control

(Continued)

Client: United Engineering Consultants, Inc.**Report Date:** 11/05/2020**Project:** UEC Analysis
19006**Matrix:** Water**Work Order:** 20K0155**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

Trichloroethene	< 0.439	2.00	ug/L								1
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>	20.0		ug/L	20.00		100	80-135				1
<i>Surrogate: 1,2-Dichloroethane-d4</i>	19.7		ug/L	20.00		98	86-132				1
<i>Surrogate: Fluorobenzene</i>	19.5		ug/L	20.00		98	80-116				1
<i>Surrogate: Toluene-d8</i>	19.0		ug/L	20.00		95	73-120				1
<i>Surrogate: 4-Bromofluorobenzene</i>	10.8		ug/L	10.00		108	85-114				1
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	18.2		ug/L	20.00		91	88-136				1

LCS (B0K0079-BS1)

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

1,1,1-Trichloroethane	50.9	2.00	ug/L	50.00		102	74-131				1
1,1,1,2-Tetrachloroethane	47.8	2.00	ug/L	50.00		96	71-121				1
1,1,2-Trichloroethane	49.4	2.00	ug/L	50.00		99	80-119				1
1,1-Dichloroethane	47.8	8.00	ug/L	50.00		96	77-125				1
1,1-Dichloroethene	41.0	4.00	ug/L	50.00		82	71-131				1
1,2,4-Trimethylbenzene	52.0	2.00	ug/L	50.00		104	76-124				1
1,2-Dibromo-3-chloropropane	42.5	2.00	ug/L	50.00		85	62-128				1
1,2-Dibromoethane	49.1	2.00	ug/L	50.00		98	77-121				1
1,2-Dichloroethane	47.9	2.00	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-Butanol	370	90.0	ug/L	500.0		74	70-130				1
2-Butanone	147	8.00	ug/L	175.0		84	56-143				1
2-Hexanone	153	8.00	ug/L	175.0		88	57-139				1
4-Methyl-2-pentanone	153	28.0	ug/L	175.0		88	67-130				1
Acetone	178	28.0	ug/L	175.0		102	39-160				1
Acrolein	87.4	20.0	ug/L	125.0		70	39-155				1
Acrylonitrile	43.2	4.00	ug/L	50.00		86	63-135				1
Benzene	50.0	2.00	ug/L	50.00		100	79-120				1
Bromodichloromethane	48.7	2.00	ug/L	50.00		97	79-125				1
Bromoform	49.3	2.00	ug/L	50.00		99	66-130				1
Bromomethane	46.7	20.0	ug/L	50.00		93	53-141				1
Carbon disulfide	49.0	2.00	ug/L	50.00		98	64-133				1
Carbon tetrachloride	52.3	2.00	ug/L	50.00		105	72-136				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	2.00	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	2.00	ug/L	50.00		96	78-123				1

Quality Control

(Continued)

Client: United Engineering Consultants, Inc.**Report Date:** 11/05/2020**Project:** UEC Analysis
19006**Matrix:** Water**Work Order:** 20K0155**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

cis-1,3-Dichloropropene	53.8	2.00	ug/L	50.00		108	75-124				1
Dibromochloromethane	50.6	2.00	ug/L	50.00		101	74-126				1
Ethylbenzene	50.0	2.00	ug/L	50.00		100	79-121				1
m,p-Xylene	99.5	4.00	ug/L	100.0		100	80-136				1
Methyl tert-butyl ether	47.6	2.00	ug/L	50.00		95	71-124				1
Methylene chloride	49.3	2.00	ug/L	50.00		99	74-124				1
Naphthalene	40.6	2.00	ug/L	50.00		81	61-128				1
o-Xylene	47.1	2.00	ug/L	50.00		94	78-122				1
Styrene	50.7	4.00	ug/L	50.00		101	78-123				1
Tetrachloroethene	50.0	2.00	ug/L	50.00		100	74-129				1
Toluene	47.3	2.00	ug/L	50.00		95	80-133				1
trans-1,2-Dichloroethene	48.3	2.00	ug/L	50.00		97	75-124				1
trans-1,3-Dichloropropene	51.2	2.00	ug/L	50.00		102	73-127				1
Trichloroethene	51.3	2.00	ug/L	50.00		103	79-123				1
Vinyl acetate	52.5	8.00	ug/L	50.00		105	54-146				1
Vinyl chloride	51.1	2.00	ug/L	50.00		102	58-137				1
Xylenes, Total	147	6.00	ug/L	150.0		98	79-121				1
1,3-Dichloropropene, Total	105	4.00	ug/L	100.0		105	77-123				1
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Surrogate: Dibromofluoromethane	20.2		ug/L	20.00		101	80-135				1
Surrogate: 1,2-Dichloroethane-d4	19.9		ug/L	20.00		99	86-132				1
Surrogate: Fluorobenzene	19.6		ug/L	20.00		98	80-116				1
Surrogate: Toluene-d8	18.8		ug/L	20.00		94	73-120				1
Surrogate: 4-Bromofluorobenzene	10.4		ug/L	10.00		104	85-114				1
Surrogate: 1,2-Dichlorobenzene-d4	18.0		ug/L	20.00		90	88-136				1

LCS Dup (B0K0079-BSD1)

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

1,1,1-Trichloroethane	50.6	2.00	ug/L	50.00		101	74-131	0.6	20		1
1,1,2,2-Tetrachloroethane	53.8	2.00	ug/L	50.00		108	71-121	12	20		1
1,1,2-Trichloroethane	52.9	2.00	ug/L	50.00		106	80-119	7	20		1
1,1-Dichloroethane	48.3	8.00	ug/L	50.00		97	77-125	1	20		1
1,1-Dichloroethene	60.4	4.00	ug/L	50.00		121	71-131	38	20	P	1
1,2,4-Trimethylbenzene	52.2	2.00	ug/L	50.00		104	76-124	0.2	20		1
1,2-Dibromo-3-chloropropane	47.9	2.00	ug/L	50.00		96	62-128	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	2.00	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-Butanol	501	90.0	ug/L	500.0		100	70-130	30	20	P	1
2-Butanone	174	8.00	ug/L	175.0		99	56-143	17	20		1
2-Hexanone	190	8.00	ug/L	175.0		109	57-139	21	20	P	1
4-Methyl-2-pentanone	181	28.0	ug/L	175.0		103	67-130	16	20		1
Acetone	197	28.0	ug/L	175.0		113	39-160	10	20		1

Quality Control

(Continued)

Client: United Engineering Consultants, Inc.**Report Date:** 11/05/2020**Project:** UEC Analysis
19006**Matrix:** Water**Work Order:** 20K0155**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

Acrolein	115	20.0	ug/L	125.0		92	39-155	27	20	P	1
Acrylonitrile	47.7	4.00	ug/L	50.00		95	63-135	10	20		1
Benzene	53.3	2.00	ug/L	50.00		107	79-120	7	20		1
Bromodichloromethane	49.6	2.00	ug/L	50.00		99	79-125	2	20		1
Bromoform	53.8	2.00	ug/L	50.00		108	66-130	9	20		1
Bromomethane	53.2	20.0	ug/L	50.00		106	53-141	13	20		1
Carbon disulfide	49.4	2.00	ug/L	50.00		99	64-133	0.9	20		1
Carbon tetrachloride	52.9	2.00	ug/L	50.00		106	72-136	1	20		1
Chlorobenzene	52.0	2.00	ug/L	50.00		104	82-118	3	20		1
Chloroethane	50.5	4.00	ug/L	50.00		101	60-138	10	20		1
Chloroform	50.9	2.00	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	2.00	ug/L	50.00		98	78-123	1	20		1
cis-1,3-Dichloropropene	54.6	2.00	ug/L	50.00		109	75-124	2	20		1
Dibromochloromethane	54.5	2.00	ug/L	50.00		109	74-126	7	20		1
Ethylbenzene	52.1	2.00	ug/L	50.00		104	79-121	4	20		1
m,p-Xylene	103	4.00	ug/L	100.0		103	80-136	3	20		1
Methyl tert-butyl ether	50.5	2.00	ug/L	50.00		101	71-124	6	20		1
Methylene chloride	50.4	2.00	ug/L	50.00		101	74-124	2	20		1
Naphthalene	45.8	2.00	ug/L	50.00		92	61-128	12	20		1
o-Xylene	49.0	2.00	ug/L	50.00		98	78-122	4	20		1
Styrene	51.3	4.00	ug/L	50.00		103	78-123	1	20		1
Tetrachloroethene	49.4	2.00	ug/L	50.00		99	74-129	1	20		1
Toluene	49.4	2.00	ug/L	50.00		99	80-133	4	20		1
trans-1,2-Dichloroethene	49.2	2.00	ug/L	50.00		98	75-124	2	20		1
trans-1,3-Dichloropropene	51.6	2.00	ug/L	50.00		103	73-127	0.8	20		1
Trichloroethene	51.9	2.00	ug/L	50.00		104	79-123	1	20		1
Vinyl acetate	57.6	8.00	ug/L	50.00		115	54-146	9	20		1
Vinyl chloride	52.6	2.00	ug/L	50.00		105	58-137	3	20		1
Xylenes, Total	152	6.00	ug/L	150.0		101	79-121	3	20		1
1,3-Dichloropropene, Total	106	4.00	ug/L	100.0		106	77-123	1	20		1
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Surrogate: Dibromofluoromethane	19.3		ug/L	20.00		97	80-135				1
Surrogate: 1,2-Dichloroethane-d4	20.3		ug/L	20.00		102	86-132				1
Surrogate: Fluorobenzene	19.8		ug/L	20.00		99	80-116				1
Surrogate: Toluene-d8	19.4		ug/L	20.00		97	73-120				1
Surrogate: 4-Bromofluorobenzene	10.2		ug/L	10.00		102	85-114				1
Surrogate: 1,2-Dichlorobenzene-d4	17.4		ug/L	20.00		87	88-136			S2	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
Naphthalene	91-20-3	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

Certified Analyses included in this Report (Continued)

Analyte	CAS #	Certifications
SW-846 8260B/WDNR: PUBL-FW-140 in Water (Continued)		
trans-1,3-Dichloropropene	10061-02-6	WDNR
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	1002562020-3	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).
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.



ENVIRONMENTAL MONITORING TECHNOLOGIES

8100 North Austin Avenue
Morton Grove, Illinois 60053-32



20K0155
PM: Jacoby Jackson
United Engineering Consultants, Inc.
UEC Analysis

Chain of Custody Record

7-6666
47-967-6735
emt.com

Due Date: _____ COC #: **223508**

TURNAROUND TIME:
 RUSH
 _____ day turnaround
 ROUTINE

Company: UEC, INC.
 Address: 2938 S. 166TH STREET
NEW BERLIN, WI 53151
 Phone #: (262) 785-1447 Fax #: ()
 P.O. #: _____ Proj. #: _____
 Client Contact: T. ANDERSON
 Project ID / Location: 19006

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 # 20K0155

Sample I.D.	Sample Type	Container			Sampling					Preservation		VOC
		Size	Type	No.	By	Date	Time	pH	Temp.	Field	Lab	
MW-1	6	40ml	G	3	KH	10/3/20	10:30	-	-	5		✓
MW-2	↓	↓	↓	↓	↓	↓	10:45	-	-	↓		✓
MW-2 Dup.	↓	↓	↓	↓	↓	↓	11:00	-	-	↓		✓
MW-3	↓	↓	↓	↓	↓	↓	11:15	-	-	↓		✓
TRIP BLANK	↓	↓	↓	1	↓	↓	-	-	-	↓		✓

Relinquished By: <u>[Signature]</u> Date: <u>10-02-20</u> Time: <u>10:00</u>	Received By: <u>[Signature]</u> Date: <u>11-2-20</u> Time: <u>10:00</u>	EMT USE ONLY
Relinquished By: <u>[Signature]</u> Date: <u>11-2-20</u> Time: <u>12:50</u>	Received By: _____ Date: _____ Time: _____	Client Code: EMT Project I.D.
Relinquished By: _____ Date: _____ Time: _____	Received For Lab By: <u>Aqmescha Zabawa</u> Date: <u>11-02-2020</u> Time: <u>12:50</u>	Jar Lot No.

SAMPLE RECEIVED ON ICE
 TEMPERATURE

4.3

EMT SAMPLE RETURN POLICY ON BACK

SPECIAL INSTRUCTIONS: TRIP BLANK IS LABELED 19007, SHOULD BE 19006.

Sample Receipt Checklist

Work Order: 20K0155

Printed: 11/2/2020 1:36:04PM

Client: **United Engineering Consultants, Inc.**
Project: **UEC Analysis**

Date Due: **Wednesday, November 11, 2020**

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

Date Received: **11/02/20 12:50**
Date Logged In: **11/02/20 13:35**

Sample Temperature at Receipt:	4.3°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	No

Comments

ABZ

11/02/2020