State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Site Investigation Sample Results Notification

Form 4400-249 (R 03/14)

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 - MILWUAKEE			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? Yes	In Soil? No	In Groundwater? Yes	In Groundwater? No
Gasoline	○	○	○	○
Diesel or Fuel Oil	○	○	○	○
Solvents	○	○	◉	○
Heavy Metals	○	○	○	○
Pesticides	○	○	○	○
Other: _____	○	○	○	○

This sampling event included sampling of a drinking water well.
○ Yes ◉ No

If yes, the sampled drinking water well had detectable contaminants.
○ Yes ○ No

Contaminants in Vapor	Yes	No
Indoor Air	○	○
Sub-slab	○	○
Exterior Soil Gas	○	○

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)
HULSEY	HERA	(414) 263-8563

Address	City	State	ZIP Code
1027 W. ST. PAUL AVENUE	MILWAUKEE	WI	53233

Email
HERA.HULSEY@WISCONSIN.GOV

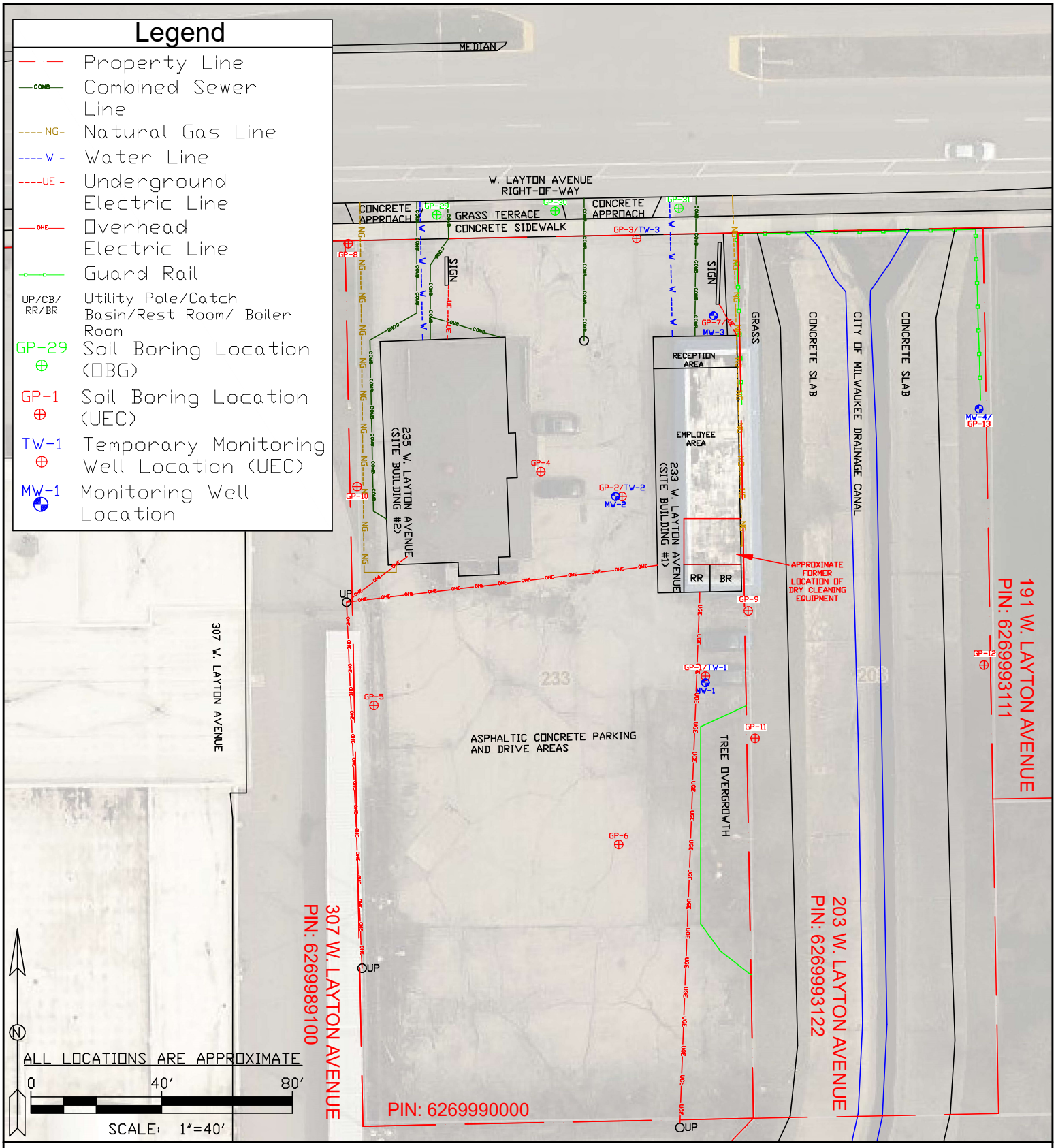

Figure 3: Soil Boring and Groundwater Monitoring Well Location Map

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: 01/11/2023

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

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

Analyte	MW-2		MW-4	ES	PAL
	03/28/23	03/28/23(R)	03/28/23		
Volatile Organic Compounds (VO					
Acetone	<9.22	<9.22	<9.21	9000	1800
Acrolein	<1.67	<1.67	<1.67	-	-
Acrylonitrile	<0.628	<0.628	<0.628	-	-
Benzene	<0.362	<0.362	<0.362	5	0.5
Bromodichloromethane	<0.458	<0.458	<0.458	0.6	0.06
Bromoform	<0.570	<0.570	<0.570	4.4	0.44
Bromomethane	<6.07	<6.07	<6.07	10	1
1-Butanol	<22.2	<22.2	<22.2	-	-
2-Butanone	<4.80	<4.80	<4.79	-	-
Carbon disulfide	<0.739	<0.739	<0.739	1000	200
Carbon tetrachloride	<3.07	<3.07	<3.07	5	0.5
Chlorobenzene	<0.350	<0.350	<0.350	-	-
Chloroethane	<0.621	<0.621	<0.621	400	80
Chloroform	<0.450	<0.450	<0.450	6	0.6
Chloromethane	<1.30	<1.30	<1.30	30	3
1,2-Dibromo-3-chloropropane	<2.60	<2.60	<2.60	0.2	0.02
1,2-Dibromoethane (EDB)	<0.420	<0.420	<0.420	0.05	0.005
1,1-Dichloroethane	<0.190	<0.190	<0.190	850	85
1,2-Dichloroethane	<0.731	<0.731	<0.731	5	0.5
1,1-Dichloroethene	<1.10	<1.10	<1.10	7	0.7
cis-1,2-Dichloroethene	<0.652	<0.652	<0.652	70	7
trans-1,2-Dichloroethene	<0.566	<0.566	<0.566	100	20
1,2-Dichloropropane	<0.557	<0.557	<0.557	5	0.5
Dibromochloromethane	<0.632	<0.632	<0.632	700	140
cis-1,3-Dichloropropene	<0.408	<0.408	<0.408	-	-
trans-1,3-Dichloropropene	<1.17	<1.17	<1.17	-	-
1,3-Dichloropropene, Total	<1.48	<1.48	<1.48	0.4	0.04
Ethylbenzene	<0.580	<0.580	<0.580	700	140
2-Hexanone	<4.74	<4.74	<4.74	-	-
4-Methyl-2-pentanone	<4.40	<4.40	<4.40	-	-
Methyl tert-Butyl ether	<0.838	<0.838	<0.838	60	12
Methylene chloride	<4.50	<4.50	<4.50	5	0.5
Styrene	<1.17	<1.17	<1.17	100	10
1,1,2,2-Tetrachloroethane	<0.713	<0.713	<0.713	0.2	0.02
Tetrachloroethene	**14.9**	**18.0**	<0.646	5	0.5
1,2,4-Trimethylbenzene	<0.753	<0.753	<0.753	480	96
1,3,5-Trimethylbenzene	<0.351	<0.351	<0.351		
Toluene	<0.510	<0.510	<0.510	800	160
1,1,1-Trichloroethane	<0.719	<0.719	<0.719	200	40
1,1,2-Trichloroethane	<0.198	<0.198	<0.198	5	0.5
Trichloroethene	<0.939	<0.939	<0.939	5	0.5
Vinyl acetate	<0.948	<0.948	<0.948	-	-
Vinyl chloride	<0.582	<0.582	<0.582	0.2	0.02
m,p-Xylene	<1.58	<1.58	<1.58	-	-
o-Xylene	<0.660	<0.660	<0.660	-	-
Xylenes, Total	<1.62	<1.62	<1.62	2000	400

Notes:
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 Compound detected between the LOD and Limit of Quantitation (LOQ)
S The quality control sample recovery is outside of laboratory control limits
S1 The percent recovery is above the limits, but analyte not detected in sample
B Analyte was present in the method blank
* Not considered an exceedance per NR 140.14(3)
R Replicate sample collected per NR 716.13(6)c(1)

Environmental Monitoring and Technologies, Inc.

509 N. 3rd Avenue Des Plaines, IL 60016-1162 **P** 847.967.6666 800.246.0663 **F** 847.967.6735 **www.emt.com**

Analytical Report

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

April 11, 2023

Work Order: 23C0960

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,

Olga Karplyuk
Project Manager
847.967.6666
okarplyuk@emt.com
Approved for release: 4/11/2023 10:37:27AM

Approved by,

Nathan Fey
Laboratory Operations Manager

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

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Environmental Monitoring and Technologies, Inc.

509 N. 3rd Avenue Des Plaines, IL 60016-1162 **P** 847.967.6666 800.246.0663 **F** 847.967.6735 **www.emt.com**

Sample Summary

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	23C0960-01	Groundwater	03/28/23 11:10	03/31/23 13:10
MW-2R	23C0960-02	Groundwater	03/28/23 11:15	03/31/23 13:10
MW-4	23C0960-03	Groundwater	03/28/23 10:40	03/31/23 13:10
Trip Blank	23C0960-04	Water	03/28/23 00:00	03/31/23 13:10

Environmental Monitoring and Technologies, Inc.

509 N. 3rd Avenue Des Plaines, IL 60016-1162 **P** 847.967.6666 800.246.0663 **F** 847.967.6735 **www.emt.com**

Case Narrative

Client: United Engineering Consultants, Inc. **Date:** 04/11/2023
Project: UEC Analysis
19006
Work Order: 23C0960

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

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

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

Work Order: 23C0960
The samples were received on 03/31/23 13:09. The temperature of the cooler(s) at receipt was:

Cooler	Temp C°
Default Cooler	4.7

The samples were received in good condition and were properly preserved.

GCMS Volatiles

8260B_VOC
23C0960-03: In the LCS, tetrachloroethene recovered outside control criteria (74% - 129%) at 144%.This would indicate potential high bias in sample data. As the sample did not have a positive detection for the compound the exceedance did not impact results.

23C0960-04, sequence S3D0134: In the calibration 1-butanol and chloromethane did not pass criteria. Due to hold time, reanalysis was not possible. For both compounds the lowest point of the calibration, which is equal or below the MRL, was detected. This would make the likelihood of a false negative low.

Environmental Monitoring and Technologies, Inc.

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Client Sample Results

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 19006
Work Order: 23C0960

Client Sample ID: MW-2
Report Date: 04/11/2023
Collection Date: 03/28/2023 11:10
Matrix: Groundwater
Lab ID: 23C0960-01

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Volatile Organic Compounds by GC/MS									
Method: SW8260B/D / SW5030									
1,1,1-Trichloroethane	< 0.719	4.00		ug/L	0.719	04/05/23 06:48	B3D0136	PO1	1
1,1,2,2-Tetrachloroethane	< 0.713	4.00		ug/L	0.713	04/05/23 06:48	B3D0136	PO1	1
1,1,2-Trichloroethane	< 0.198	2.00		ug/L	0.198	04/05/23 06:48	B3D0136	PO1	1
1,1-Dichloroethane	< 0.190	2.00		ug/L	0.190	04/05/23 06:48	B3D0136	PO1	1
1,1-Dichloroethene	< 1.10	8.00		ug/L	1.10	04/05/23 06:48	B3D0136	PO1	1
1,2,4-Trimethylbenzene	< 0.753	4.00		ug/L	0.753	04/05/23 06:48	B3D0136	PO1	1
1,2-Dibromo-3-chloropropane	< 2.60	20.0		ug/L	2.60	04/05/23 06:48	B3D0136	PO1	1
1,2-Dibromoethane	< 0.420	2.00		ug/L	0.420	04/05/23 06:48	B3D0136	PO1	1
1,2-Dichloroethane	< 0.731	4.00		ug/L	0.731	04/05/23 06:48	B3D0136	PO1	1
1,2-Dichloropropane	< 0.557	4.00		ug/L	0.557	04/05/23 06:48	B3D0136	PO1	1
1,3,5-Trimethylbenzene	< 0.351	2.00		ug/L	0.351	04/05/23 06:48	B3D0136	PO1	1
1-Butanol	< 22.2	200		ug/L	22.2	04/05/23 06:48	B3D0136	PO1	1
2-Butanone	< 4.79	28.0		ug/L	4.79	04/05/23 06:48	B3D0136	PO1	1
2-Hexanone	< 4.74	28.0		ug/L	4.74	04/05/23 06:48	B3D0136	PO1	1
4-Methyl-2-pentanone	< 4.40	28.0		ug/L	4.40	04/05/23 06:48	B3D0136	PO1	1
Acetone	< 9.21	70.0		ug/L	9.21	04/05/23 06:48	B3D0136	PO1	1
Acrolein	< 1.67	10.0		ug/L	1.67	04/08/23 06:07	B3D0251	ZM1	1
Acrylonitrile	< 0.628	4.00		ug/L	0.628	04/05/23 06:48	B3D0136	PO1	1
Benzene	< 0.362	2.00		ug/L	0.362	04/05/23 06:48	B3D0136	PO1	1
Bromodichloromethane	< 0.458	2.00		ug/L	0.458	04/05/23 06:48	B3D0136	PO1	1
Bromoform	< 0.570	4.00		ug/L	0.570	04/05/23 06:48	B3D0136	PO1	1
Bromomethane	< 6.07	40.0		ug/L	6.07	04/05/23 06:48	B3D0136	PO1	1
Carbon disulfide	< 0.739	4.00		ug/L	0.739	04/05/23 06:48	B3D0136	PO1	1
Carbon tetrachloride	< 3.07	20.0		ug/L	3.07	04/05/23 06:48	B3D0136	PO1	1
Chlorobenzene	< 0.350	2.00		ug/L	0.350	04/05/23 06:48	B3D0136	PO1	1
Chloroethane	< 0.621	4.00		ug/L	0.621	04/05/23 06:48	B3D0136	PO1	1
Chloroform	< 0.450	4.00		ug/L	0.450	04/05/23 06:48	B3D0136	PO1	1
Chloromethane	< 1.30	8.00		ug/L	1.30	04/05/23 06:48	B3D0136	PO1	1
cis-1,2-Dichloroethene	< 0.652	4.00		ug/L	0.652	04/05/23 06:48	B3D0136	PO1	1
cis-1,3-Dichloropropene	< 0.408	4.00		ug/L	0.408	04/05/23 06:48	B3D0136	PO1	1
Dibromochloromethane	< 0.632	4.00		ug/L	0.632	04/05/23 06:48	B3D0136	PO1	1
Ethylbenzene	< 0.580	4.00		ug/L	0.580	04/05/23 06:48	B3D0136	PO1	1
m,p-Xylene	< 1.58	8.00		ug/L	1.58	04/05/23 06:48	B3D0136	PO1	1
Methyl tert-butyl ether	< 0.838	4.00		ug/L	0.838	04/05/23 06:48	B3D0136	PO1	1
Methylene chloride	< 4.50	20.0		ug/L	4.50	04/05/23 06:48	B3D0136	PO1	1
Naphthalene	< 4.82	20.0		ug/L	4.82	04/05/23 06:48	B3D0136	PO1	1
o-Xylene	< 0.660	4.00		ug/L	0.660	04/05/23 06:48	B3D0136	PO1	1
Styrene	< 1.17	8.00		ug/L	1.17	04/05/23 06:48	B3D0136	PO1	1
Tetrachloroethene	**14.9**	4.00		ug/L	0.646	04/07/23 04:57	B3D0207	ZM1	1
Toluene	< 0.510	4.00		ug/L	0.510	04/05/23 06:48	B3D0136	PO1	1
trans-1,2-Dichloroethene	< 0.566	4.00		ug/L	0.566	04/05/23 06:48	B3D0136	PO1	1
trans-1,3-Dichloropropene	< 1.17	8.00		ug/L	1.17	04/05/23 06:48	B3D0136	PO1	1
Trichloroethene	< 0.939	4.00		ug/L	0.939	04/05/23 06:48	B3D0136	PO1	1
Vinyl acetate	< 0.948	4.00		ug/L	0.948	04/08/23 06:07	B3D0251	ZM1	1
Vinyl chloride	< 0.582	4.00		ug/L	0.582	04/05/23 06:48	B3D0136	PO1	1

Environmental Monitoring and Technologies, Inc.

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 19006
Work Order: 23C0960

Client Sample ID: MW-2
Report Date: 04/11/2023
Collection Date: 03/28/2023 11:10
Matrix: Groundwater
Lab ID: 23C0960-01 (Continued)

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Volatile Organic Compounds by GC/MS (Continued)									
Method: SW8260B/D / SW5030 (Continued)									
Xylenes, Total	< 1.62	12.0		ug/L	1.62	04/05/23 06:48	B3D0136	PO1	1
1,3-Dichloropropene, Total	< 1.48	8.00		ug/L	1.48	04/05/23 06:48	B3D0136	PO1	1
Surrogate: Dibromofluoromethane				*Recovery: 97%*	*Limits: 84-137*	*04/05/23 06:48*	*B3D0136*	*PO1*	*1*
Surrogate: 1,2-Dichloroethane-d4				*Recovery: 101%*	*Limits: 74-140*	*04/05/23 06:48*	*B3D0136*	*PO1*	*1*
Surrogate: Fluorobenzene				*Recovery: 98%*	*Limits: 90-105*	*04/05/23 06:48*	*B3D0136*	*PO1*	*1*
Surrogate: Toluene-d8				*Recovery: 98%*	*Limits: 74-109*	*04/05/23 06:48*	*B3D0136*	*PO1*	*1*
Surrogate: 4-Bromofluorobenzene				*Recovery: 97%*	*Limits: 86-128*	*04/05/23 06:48*	*B3D0136*	*PO1*	*1*
Surrogate: 1,2-Dichlorobenzene-d4				*Recovery: 101%*	*Limits: 90-128*	*04/05/23 06:48*	*B3D0136*	*PO1*	*1*

Environmental Monitoring and Technologies, Inc.

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 19006
Work Order: 23C0960

Client Sample ID: MW-2R
Report Date: 04/11/2023
Collection Date: 03/28/2023 11:15
Matrix: Groundwater
Lab ID: 23C0960-02

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Volatile Organic Compounds by GC/MS									
Method: SW8260B/D / SW5030									
1,1,1-Trichloroethane	< 0.719	4.00		ug/L	0.719	04/05/23 07:14	B3D0136	PO1	1
1,1,2,2-Tetrachloroethane	< 0.713	4.00		ug/L	0.713	04/05/23 07:14	B3D0136	PO1	1
1,1,2-Trichloroethane	< 0.198	2.00		ug/L	0.198	04/05/23 07:14	B3D0136	PO1	1
1,1-Dichloroethane	< 0.190	2.00		ug/L	0.190	04/05/23 07:14	B3D0136	PO1	1
1,1-Dichloroethene	< 1.10	8.00		ug/L	1.10	04/05/23 07:14	B3D0136	PO1	1
1,2,4-Trimethylbenzene	< 0.753	4.00		ug/L	0.753	04/05/23 07:14	B3D0136	PO1	1
1,2-Dibromo-3-chloropropane	< 2.60	20.0		ug/L	2.60	04/05/23 07:14	B3D0136	PO1	1
1,2-Dibromoethane	< 0.420	2.00		ug/L	0.420	04/05/23 07:14	B3D0136	PO1	1
1,2-Dichloroethane	< 0.731	4.00		ug/L	0.731	04/05/23 07:14	B3D0136	PO1	1
1,2-Dichloropropane	< 0.557	4.00		ug/L	0.557	04/05/23 07:14	B3D0136	PO1	1
1,3,5-Trimethylbenzene	< 0.351	2.00		ug/L	0.351	04/05/23 07:14	B3D0136	PO1	1
1-Butanol	< 22.2	200		ug/L	22.2	04/05/23 07:14	B3D0136	PO1	1
2-Butanone	< 4.79	28.0		ug/L	4.79	04/05/23 07:14	B3D0136	PO1	1
2-Hexanone	< 4.74	28.0		ug/L	4.74	04/05/23 07:14	B3D0136	PO1	1
4-Methyl-2-pentanone	< 4.40	28.0		ug/L	4.40	04/05/23 07:14	B3D0136	PO1	1
Acetone	< 9.21	70.0		ug/L	9.21	04/05/23 07:14	B3D0136	PO1	1
Acrolein	< 1.67	10.0		ug/L	1.67	04/08/23 06:34	B3D0251	ZM1	1
Acrylonitrile	< 0.628	4.00		ug/L	0.628	04/05/23 07:14	B3D0136	PO1	1
Benzene	< 0.362	2.00		ug/L	0.362	04/05/23 07:14	B3D0136	PO1	1
Bromodichloromethane	< 0.458	2.00		ug/L	0.458	04/05/23 07:14	B3D0136	PO1	1
Bromoform	< 0.570	4.00		ug/L	0.570	04/05/23 07:14	B3D0136	PO1	1
Bromomethane	< 6.07	40.0		ug/L	6.07	04/05/23 07:14	B3D0136	PO1	1
Carbon disulfide	< 0.739	4.00		ug/L	0.739	04/05/23 07:14	B3D0136	PO1	1
Carbon tetrachloride	< 3.07	20.0		ug/L	3.07	04/05/23 07:14	B3D0136	PO1	1
Chlorobenzene	< 0.350	2.00		ug/L	0.350	04/05/23 07:14	B3D0136	PO1	1
Chloroethane	< 0.621	4.00		ug/L	0.621	04/05/23 07:14	B3D0136	PO1	1
Chloroform	< 0.450	4.00		ug/L	0.450	04/05/23 07:14	B3D0136	PO1	1
Chloromethane	< 1.30	8.00		ug/L	1.30	04/05/23 07:14	B3D0136	PO1	1
cis-1,2-Dichloroethene	< 0.652	4.00		ug/L	0.652	04/05/23 07:14	B3D0136	PO1	1
cis-1,3-Dichloropropene	< 0.408	4.00		ug/L	0.408	04/05/23 07:14	B3D0136	PO1	1
Dibromochloromethane	< 0.632	4.00		ug/L	0.632	04/05/23 07:14	B3D0136	PO1	1
Ethylbenzene	< 0.580	4.00		ug/L	0.580	04/05/23 07:14	B3D0136	PO1	1
m,p-Xylene	< 1.58	8.00		ug/L	1.58	04/05/23 07:14	B3D0136	PO1	1
Methyl tert-butyl ether	< 0.838	4.00		ug/L	0.838	04/05/23 07:14	B3D0136	PO1	1
Methylene chloride	< 4.50	20.0		ug/L	4.50	04/05/23 07:14	B3D0136	PO1	1
Naphthalene	< 4.82	20.0		ug/L	4.82	04/05/23 07:14	B3D0136	PO1	1
o-Xylene	< 0.660	4.00		ug/L	0.660	04/05/23 07:14	B3D0136	PO1	1
Styrene	< 1.17	8.00		ug/L	1.17	04/05/23 07:14	B3D0136	PO1	1
Tetrachloroethene	**18.0**	4.00		ug/L	0.646	04/07/23 05:23	B3D0207	ZM1	1
Toluene	< 0.510	4.00		ug/L	0.510	04/05/23 07:14	B3D0136	PO1	1
trans-1,2-Dichloroethene	< 0.566	4.00		ug/L	0.566	04/05/23 07:14	B3D0136	PO1	1
trans-1,3-Dichloropropene	< 1.17	8.00		ug/L	1.17	04/05/23 07:14	B3D0136	PO1	1
Trichloroethene	< 0.939	4.00		ug/L	0.939	04/05/23 07:14	B3D0136	PO1	1
Vinyl acetate	< 0.948	4.00		ug/L	0.948	04/08/23 06:34	B3D0251	ZM1	1
Vinyl chloride	< 0.582	4.00		ug/L	0.582	04/05/23 07:14	B3D0136	PO1	1

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 19006
Work Order: 23C0960

Client Sample ID: MW-2R
Report Date: 04/11/2023
Collection Date: 03/28/2023 11:15
Matrix: Groundwater
Lab ID: 23C0960-02 (Continued)

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Volatile Organic Compounds by GC/MS (Continued)									
Method: SW8260B/D / SW5030 (Continued)									
Xylenes, Total	< 1.62	12.0		ug/L	1.62	04/05/23 07:14	B3D0136	PO1	1
1,3-Dichloropropene, Total	< 1.48	8.00		ug/L	1.48	04/05/23 07:14	B3D0136	PO1	1
Surrogate: Dibromofluoromethane				*Recovery: 103%*	*Limits: 84-137*	*04/05/23 07:14*	*B3D0136*	*PO1*	*1*
Surrogate: 1,2-Dichloroethane-d4				*Recovery: 103%*	*Limits: 74-140*	*04/05/23 07:14*	*B3D0136*	*PO1*	*1*
Surrogate: Fluorobenzene				*Recovery: 98%*	*Limits: 90-105*	*04/05/23 07:14*	*B3D0136*	*PO1*	*1*
Surrogate: Toluene-d8				*Recovery: 94%*	*Limits: 74-109*	*04/05/23 07:14*	*B3D0136*	*PO1*	*1*
Surrogate: 4-Bromofluorobenzene				*Recovery: 103%*	*Limits: 86-128*	*04/05/23 07:14*	*B3D0136*	*PO1*	*1*
Surrogate: 1,2-Dichlorobenzene-d4				*Recovery: 100%*	*Limits: 90-128*	*04/05/23 07:14*	*B3D0136*	*PO1*	*1*

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 19006
Work Order: 23C0960

Client Sample ID: MW-4
Report Date: 04/11/2023
Collection Date: 03/28/2023 10:40
Matrix: Groundwater
Lab ID: 23C0960-03

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Volatile Organic Compounds by GC/MS									
Method: SW8260B/D / SW5030									
1,1,1-Trichloroethane	< 0.719	4.00		ug/L	0.719	04/05/23 07:40	B3D0136	PO1	1
1,1,2,2-Tetrachloroethane	< 0.713	4.00		ug/L	0.713	04/05/23 07:40	B3D0136	PO1	1
1,1,2-Trichloroethane	< 0.198	2.00		ug/L	0.198	04/05/23 07:40	B3D0136	PO1	1
1,1-Dichloroethane	< 0.190	2.00		ug/L	0.190	04/05/23 07:40	B3D0136	PO1	1
1,1-Dichloroethene	< 1.10	8.00		ug/L	1.10	04/05/23 07:40	B3D0136	PO1	1
1,2,4-Trimethylbenzene	< 0.753	4.00		ug/L	0.753	04/05/23 07:40	B3D0136	PO1	1
1,2-Dibromo-3-chloropropane	< 2.60	20.0		ug/L	2.60	04/05/23 07:40	B3D0136	PO1	1
1,2-Dibromoethane	< 0.420	2.00		ug/L	0.420	04/05/23 07:40	B3D0136	PO1	1
1,2-Dichloroethane	< 0.731	4.00		ug/L	0.731	04/05/23 07:40	B3D0136	PO1	1
1,2-Dichloropropane	< 0.557	4.00		ug/L	0.557	04/05/23 07:40	B3D0136	PO1	1
1,3,5-Trimethylbenzene	< 0.351	2.00		ug/L	0.351	04/05/23 07:40	B3D0136	PO1	1
1-Butanol	< 22.2	200		ug/L	22.2	04/05/23 07:40	B3D0136	PO1	1
2-Butanone	< 4.79	28.0		ug/L	4.79	04/05/23 07:40	B3D0136	PO1	1
2-Hexanone	< 4.74	28.0		ug/L	4.74	04/05/23 07:40	B3D0136	PO1	1
4-Methyl-2-pentanone	< 4.40	28.0		ug/L	4.40	04/05/23 07:40	B3D0136	PO1	1
Acetone	< 9.21	70.0		ug/L	9.21	04/05/23 07:40	B3D0136	PO1	1
Acrolein	< 1.67	10.0		ug/L	1.67	04/08/23 07:00	B3D0251	ZM1	1
Acrylonitrile	< 0.628	4.00		ug/L	0.628	04/05/23 07:40	B3D0136	PO1	1
Benzene	< 0.362	2.00		ug/L	0.362	04/05/23 07:40	B3D0136	PO1	1
Bromodichloromethane	< 0.458	2.00		ug/L	0.458	04/05/23 07:40	B3D0136	PO1	1
Bromoform	< 0.570	4.00		ug/L	0.570	04/05/23 07:40	B3D0136	PO1	1
Bromomethane	< 6.07	40.0		ug/L	6.07	04/05/23 07:40	B3D0136	PO1	1
Carbon disulfide	< 0.739	4.00		ug/L	0.739	04/05/23 07:40	B3D0136	PO1	1
Carbon tetrachloride	< 3.07	20.0		ug/L	3.07	04/05/23 07:40	B3D0136	PO1	1
Chlorobenzene	< 0.350	2.00		ug/L	0.350	04/05/23 07:40	B3D0136	PO1	1
Chloroethane	< 0.621	4.00		ug/L	0.621	04/05/23 07:40	B3D0136	PO1	1
Chloroform	< 0.450	4.00		ug/L	0.450	04/05/23 07:40	B3D0136	PO1	1
Chloromethane	< 1.30	8.00		ug/L	1.30	04/05/23 07:40	B3D0136	PO1	1
cis-1,2-Dichloroethene	< 0.652	4.00		ug/L	0.652	04/05/23 07:40	B3D0136	PO1	1
cis-1,3-Dichloropropene	< 0.408	4.00		ug/L	0.408	04/05/23 07:40	B3D0136	PO1	1
Dibromochloromethane	< 0.632	4.00		ug/L	0.632	04/05/23 07:40	B3D0136	PO1	1
Ethylbenzene	< 0.580	4.00		ug/L	0.580	04/05/23 07:40	B3D0136	PO1	1
m,p-Xylene	< 1.58	8.00		ug/L	1.58	04/05/23 07:40	B3D0136	PO1	1
Methyl tert-butyl ether	< 0.838	4.00		ug/L	0.838	04/05/23 07:40	B3D0136	PO1	1
Methylene chloride	< 4.50	20.0		ug/L	4.50	04/05/23 07:40	B3D0136	PO1	1
Naphthalene	< 4.82	20.0		ug/L	4.82	04/05/23 07:40	B3D0136	PO1	1
o-Xylene	< 0.660	4.00		ug/L	0.660	04/05/23 07:40	B3D0136	PO1	1
Styrene	< 1.17	8.00		ug/L	1.17	04/05/23 07:40	B3D0136	PO1	1
Tetrachloroethene	< 0.646	4.00		ug/L	0.646	04/07/23 05:48	B3D0207	ZM1	1
Toluene	< 0.510	4.00		ug/L	0.510	04/05/23 07:40	B3D0136	PO1	1
trans-1,2-Dichloroethene	< 0.566	4.00		ug/L	0.566	04/05/23 07:40	B3D0136	PO1	1
trans-1,3-Dichloropropene	< 1.17	8.00		ug/L	1.17	04/05/23 07:40	B3D0136	PO1	1
Trichloroethene	< 0.939	4.00		ug/L	0.939	04/05/23 07:40	B3D0136	PO1	1
Vinyl acetate	< 0.948	4.00		ug/L	0.948	04/08/23 07:00	B3D0251	ZM1	1
Vinyl chloride	< 0.582	4.00		ug/L	0.582	04/05/23 07:40	B3D0136	PO1	1

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 19006
Work Order: 23C0960

Client Sample ID: MW-4
Report Date: 04/11/2023
Collection Date: 03/28/2023 10:40
Matrix: Groundwater
Lab ID: 23C0960-03 (Continued)

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Volatile Organic Compounds by GC/MS (Continued)									
Method: SW8260B/D / SW5030 (Continued)									
Xylenes, Total	< 1.62	12.0		ug/L	1.62	04/05/23 07:40	B3D0136	PO1	1
1,3-Dichloropropene, Total	< 1.48	8.00		ug/L	1.48	04/05/23 07:40	B3D0136	PO1	1
Surrogate: Dibromofluoromethane				*Recovery: 98%*	*Limits: 84-137*	*04/05/23 07:40*	*B3D0136*	*PO1*	*1*
Surrogate: 1,2-Dichloroethane-d4				*Recovery: 98%*	*Limits: 74-140*	*04/05/23 07:40*	*B3D0136*	*PO1*	*1*
Surrogate: Fluorobenzene				*Recovery: 97%*	*Limits: 90-105*	*04/05/23 07:40*	*B3D0136*	*PO1*	*1*
Surrogate: Toluene-d8				*Recovery: 95%*	*Limits: 74-109*	*04/05/23 07:40*	*B3D0136*	*PO1*	*1*
Surrogate: 4-Bromofluorobenzene				*Recovery: 104%*	*Limits: 86-128*	*04/05/23 07:40*	*B3D0136*	*PO1*	*1*
Surrogate: 1,2-Dichlorobenzene-d4				*Recovery: 103%*	*Limits: 90-128*	*04/05/23 07:40*	*B3D0136*	*PO1*	*1*

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 19006
Work Order: 23C0960

Client Sample ID: Trip Blank
Report Date: 04/11/2023
Collection Date: 03/28/2023 00:00
Matrix: Water
Lab ID: 23C0960-04

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Volatile Organic Compounds by GC/MS									
Method: SW8260B/D / SW5030									
1,1,1-Trichloroethane	< 0.719	4.00		ug/L	0.719	04/07/23 04:32	B3D0207	ZM1	1
1,1,2,2-Tetrachloroethane	< 0.713	4.00		ug/L	0.713	04/07/23 04:32	B3D0207	ZM1	1
1,1,2-Trichloroethane	< 0.198	2.00		ug/L	0.198	04/07/23 04:32	B3D0207	ZM1	1
1,1-Dichloroethane	< 0.190	2.00		ug/L	0.190	04/07/23 04:32	B3D0207	ZM1	1
1,1-Dichloroethene	< 1.10	8.00		ug/L	1.10	04/07/23 04:32	B3D0207	ZM1	1
1,2,4-Trimethylbenzene	< 0.753	4.00		ug/L	0.753	04/07/23 04:32	B3D0207	ZM1	1
1,2-Dibromo-3-chloropropane	< 2.60	20.0		ug/L	2.60	04/08/23 05:41	B3D0251	ZM1	1
1,2-Dibromo-3-chloropropane	< 2.60	20.0		ug/L	2.60	04/07/23 04:32	B3D0207	ZM1	1
1,2-Dibromoethane	< 0.420	2.00		ug/L	0.420	04/07/23 04:32	B3D0207	ZM1	1
1,2-Dichloroethane	< 0.731	4.00		ug/L	0.731	04/07/23 04:32	B3D0207	ZM1	1
1,2-Dichloropropane	< 0.557	4.00		ug/L	0.557	04/07/23 04:32	B3D0207	ZM1	1
1,3,5-Trimethylbenzene	< 0.351	2.00		ug/L	0.351	04/07/23 04:32	B3D0207	ZM1	1
1-Butanol	< 22.2	200	Q	ug/L	22.2	04/07/23 04:32	B3D0207	ZM1	1
2-Butanone	< 4.79	28.0		ug/L	4.79	04/07/23 04:32	B3D0207	ZM1	1
2-Hexanone	< 4.74	28.0		ug/L	4.74	04/07/23 04:32	B3D0207	ZM1	1
4-Methyl-2-pentanone	< 4.40	28.0		ug/L	4.40	04/07/23 04:32	B3D0207	ZM1	1
Acetone	< 9.21	70.0		ug/L	9.21	04/07/23 04:32	B3D0207	ZM1	1
Acrylonitrile	< 0.628	4.00		ug/L	0.628	04/07/23 04:32	B3D0207	ZM1	1
Benzene	< 0.362	2.00		ug/L	0.362	04/07/23 04:32	B3D0207	ZM1	1
Bromodichloromethane	< 0.458	2.00		ug/L	0.458	04/07/23 04:32	B3D0207	ZM1	1
Bromoform	< 0.570	4.00		ug/L	0.570	04/07/23 04:32	B3D0207	ZM1	1
Bromomethane	< 6.07	40.0		ug/L	6.07	04/07/23 04:32	B3D0207	ZM1	1
Carbon disulfide	< 0.739	4.00		ug/L	0.739	04/07/23 04:32	B3D0207	ZM1	1
Carbon tetrachloride	< 3.07	20.0		ug/L	3.07	04/07/23 04:32	B3D0207	ZM1	1
Chlorobenzene	< 0.350	2.00		ug/L	0.350	04/07/23 04:32	B3D0207	ZM1	1
Chloroethane	< 0.621	4.00		ug/L	0.621	04/07/23 04:32	B3D0207	ZM1	1
Chloroform	< 0.450	4.00		ug/L	0.450	04/07/23 04:32	B3D0207	ZM1	1
Chloromethane	< 1.30	8.00	Q	ug/L	1.30	04/07/23 04:32	B3D0207	ZM1	1
cis-1,2-Dichloroethene	< 0.652	4.00		ug/L	0.652	04/07/23 04:32	B3D0207	ZM1	1
cis-1,3-Dichloropropene	< 0.408	4.00		ug/L	0.408	04/07/23 04:32	B3D0207	ZM1	1
Dibromochloromethane	< 0.632	4.00		ug/L	0.632	04/07/23 04:32	B3D0207	ZM1	1
Ethylbenzene	< 0.580	4.00		ug/L	0.580	04/07/23 04:32	B3D0207	ZM1	1
m,p-Xylene	< 1.58	8.00		ug/L	1.58	04/07/23 04:32	B3D0207	ZM1	1
Methyl tert-butyl ether	< 0.838	4.00		ug/L	0.838	04/07/23 04:32	B3D0207	ZM1	1
Methylene chloride	< 4.50	20.0		ug/L	4.50	04/07/23 04:32	B3D0207	ZM1	1
Naphthalene	< 4.82	20.0		ug/L	4.82	04/07/23 04:32	B3D0207	ZM1	1
o-Xylene	< 0.660	4.00		ug/L	0.660	04/07/23 04:32	B3D0207	ZM1	1
Styrene	< 1.17	8.00		ug/L	1.17	04/07/23 04:32	B3D0207	ZM1	1
Tetrachloroethene	< 0.646	4.00		ug/L	0.646	04/07/23 04:32	B3D0207	ZM1	1
Toluene	< 0.510	4.00		ug/L	0.510	04/07/23 04:32	B3D0207	ZM1	1
trans-1,2-Dichloroethene	< 0.566	4.00		ug/L	0.566	04/07/23 04:32	B3D0207	ZM1	1
trans-1,3-Dichloropropene	< 1.17	8.00		ug/L	1.17	04/07/23 04:32	B3D0207	ZM1	1
Trichloroethene	< 0.939	4.00		ug/L	0.939	04/07/23 04:32	B3D0207	ZM1	1
Vinyl acetate	< 0.948	4.00		ug/L	0.948	04/08/23 05:41	B3D0251	ZM1	1
Vinyl chloride	< 0.582	4.00		ug/L	0.582	04/07/23 04:32	B3D0207	ZM1	1

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 19006
Work Order: 23C0960

Client Sample ID: Trip Blank
Report Date: 04/11/2023
Collection Date: 03/28/2023 00:00
Matrix: Water
Lab ID: 23C0960-04 (Continued)

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Volatile Organic Compounds by GC/MS (Continued)									
Method: SW8260B/D / SW5030 (Continued)									
Xylenes, Total	< 1.62	12.0		ug/L	1.62	04/07/23 04:32	B3D0207	ZM1	1
1,3-Dichloropropene, Total	< 1.48	8.00		ug/L	1.48	04/07/23 04:32	B3D0207	ZM1	1
Surrogate: Dibromofluoromethane				*Recovery: 100%*	*Limits: 84-137*	*04/07/23 04:32*	*B3D0207*	*ZM1*	*1*
Surrogate: 1,2-Dichloroethane-d4				*Recovery: 104%*	*Limits: 74-140*	*04/07/23 04:32*	*B3D0207*	*ZM1*	*1*
Surrogate: Fluorobenzene				*Recovery: 99%*	*Limits: 90-105*	*04/07/23 04:32*	*B3D0207*	*ZM1*	*1*
Surrogate: Toluene-d8				*Recovery: 101%*	*Limits: 74-109*	*04/07/23 04:32*	*B3D0207*	*ZM1*	*1*
Surrogate: 4-Bromofluorobenzene				*Recovery: 115%*	*Limits: 86-128*	*04/07/23 04:32*	*B3D0207*	*ZM1*	*1*
Surrogate: 1,2-Dichlorobenzene-d4				*Recovery: 95%*	*Limits: 90-128*	*04/07/23 04:32*	*B3D0207*	*ZM1*	*1*

Environmental Monitoring and Technologies, Inc.

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Dates Report

Client: United Engineering Consultants, Inc.
Report Date: 04/11/2023
Project: UEC Analysis
19006
Work Order: 23C0960

Sample ID	Client Sample ID	Collection	Matrix	Test Name	Leached Prep Date	Prep Date	Analysis Date	Batch ID	Sequence
23C0960-01	MW-2	03/28/23	Groundwater	Volatile Organic Compounds by GC/MS		04/04/23 13:00	04/05/23 06:48	B3D0136	S3D0076
				Volatile Organic Compounds by GC/MS		04/06/23 17:14	04/07/23 04:57	B3D0207	S3D0134
				Volatile Organic Compounds by GC/MS		04/07/23 17:54	04/08/23 06:07	B3D0251	S3D0157
23C0960-02	MW-2R	03/28/23		Volatile Organic Compounds by GC/MS		04/04/23 13:00	04/05/23 07:14	B3D0136	S3D0076
				Volatile Organic Compounds by GC/MS		04/06/23 17:14	04/07/23 05:23	B3D0207	S3D0134
				Volatile Organic Compounds by GC/MS		04/07/23 17:54	04/08/23 06:34	B3D0251	S3D0157
23C0960-03	MW-4	03/28/23		Volatile Organic Compounds by GC/MS		04/04/23 13:00	04/05/23 07:40	B3D0136	S3D0076
				Volatile Organic Compounds by GC/MS		04/06/23 17:14	04/07/23 05:48	B3D0207	S3D0134
				Volatile Organic Compounds by GC/MS		04/07/23 17:54	04/08/23 07:00	B3D0251	S3D0157
23C0960-04	Trip Blank	03/28/23	Water	Volatile Organic Compounds by GC/MS		04/06/23 17:14	04/07/23 04:32	B3D0207	S3D0134
				Volatile Organic Compounds by GC/MS		04/07/23 17:54	04/08/23 05:41	B3D0251	S3D0157

Environmental Monitoring and Technologies, Inc.

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Quality Control

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 23C0960

Report Date: 04/11/2023
Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B3D0136 - SW5030											
Blank (B3D0136-BLK1)				*Prepared: 04/04/2023 13:00 Analyzed: 04/05/2023 06:22*							
1,1,1-Trichloroethane	< 4.00	4.00	ug/L								1
1,1,2,2-Tetrachloroethane	< 4.00	4.00	ug/L								1
1,1,2-Trichloroethane	< 2.00	2.00	ug/L								1
1,1-Dichloroethane	< 2.00	2.00	ug/L								1
1,1-Dichloroethene	< 8.00	8.00	ug/L								1
1,2,4-Trimethylbenzene	< 4.00	4.00	ug/L								1
1,2-Dibromo-3-chloropropane	< 20.0	20.0	ug/L								1
1,2-Dibromoethane	< 2.00	2.00	ug/L								1
1,2-Dichloroethane	< 4.00	4.00	ug/L								1
1,2-Dichloropropane	< 4.00	4.00	ug/L								1
1,3,5-Trimethylbenzene	< 2.00	2.00	ug/L								1
1-Butanol	< 200	200	ug/L								1
2-Butanone	< 28.0	28.0	ug/L								1
2-Hexanone	< 28.0	28.0	ug/L								1
4-Methyl-2-pentanone	< 28.0	28.0	ug/L								1
Acetone	< 70.0	70.0	ug/L								1
Acrolein	< 10.0	10.0	ug/L								1
Acrylonitrile	< 4.00	4.00	ug/L								1
Benzene	< 2.00	2.00	ug/L								1
Bromodichloromethane	< 2.00	2.00	ug/L								1
Bromoform	< 4.00	4.00	ug/L								1
Bromomethane	< 40.0	40.0	ug/L								1
Carbon disulfide	< 4.00	4.00	ug/L								1
Carbon tetrachloride	< 20.0	20.0	ug/L								1
Chlorobenzene	< 2.00	2.00	ug/L								1
Chloroethane	< 4.00	4.00	ug/L								1
Chloroform	< 4.00	4.00	ug/L								1
Chloromethane	< 8.00	8.00	ug/L								1
cis-1,2-Dichloroethene	< 4.00	4.00	ug/L								1
cis-1,3-Dichloropropene	< 4.00	4.00	ug/L								1
Dibromochloromethane	< 4.00	4.00	ug/L								1
Ethylbenzene	< 4.00	4.00	ug/L								1
m,p-Xylene	< 8.00	8.00	ug/L								1
Methyl tert-butyl ether	< 4.00	4.00	ug/L								1
Methylene chloride	< 20.0	20.0	ug/L								1
Naphthalene	< 20.0	20.0	ug/L								1
o-Xylene	< 4.00	4.00	ug/L								1
Styrene	< 8.00	8.00	ug/L								1
Tetrachloroethene	< 4.00	4.00	ug/L								1
Toluene	< 4.00	4.00	ug/L								1
trans-1,2-Dichloroethene	< 4.00	4.00	ug/L								1
trans-1,3-Dichloropropene	< 8.00	8.00	ug/L								1

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Quality Control
(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 23C0960

Report Date: 04/11/2023
Matrix: Water

Volatile Organic Compounds by GC/MS
(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B3D0136 - SW5030 *(Continued)*											
Blank (B3D0136-BLK1) (Continued)				*Prepared: 04/04/2023 13:00*			*Analyzed: 04/05/2023 06:22*				
Trichloroethene	< 4.00	4.00	ug/L								1
Vinyl acetate	< 4.00	4.00	ug/L								1
Vinyl chloride	< 4.00	4.00	ug/L								1
Xylenes, Total	< 12.0	12.0	ug/L								1
1,3-Dichloropropene, Total	< 8.00	8.00	ug/L								1
Surrogate: Dibromofluoromethane	*19.0*		*ug/L*	*20.00*		*95*	*84-137*				1
Surrogate: 1,2-Dichloroethane-d4	*20.2*		*ug/L*	*20.00*		*101*	*74-140*				1
Surrogate: Fluorobenzene	*20.3*		*ug/L*	*20.00*		*102*	*90-105*				1
Surrogate: Toluene-d8	*19.2*		*ug/L*	*20.00*		*96*	*74-109*				1
Surrogate: 4-Bromofluorobenzene	*11.3*		*ug/L*	*10.00*		*113*	*86-128*				1
Surrogate: 1,2-Dichlorobenzene-d4	*21.1*		*ug/L*	*20.00*		*106*	*90-128*				1
LCS (B3D0136-BS1)				*Prepared: 04/04/2023 13:00*			*Analyzed: 04/05/2023 05:04*				
1,1,1-Trichloroethane	48.7	4.00	ug/L	50.00		97	74-131				1
1,1,2,2-Tetrachloroethane	45.5	4.00	ug/L	50.00		91	71-121				1
1,1,2-Trichloroethane	51.6	2.00	ug/L	50.00		103	83-139				1
1,1-Dichloroethane	48.0	2.00	ug/L	50.00		96	77-125				1
1,1-Dichloroethene	47.4	8.00	ug/L	50.00		95	71-131				1
1,2,4-Trimethylbenzene	50.2	4.00	ug/L	50.00		100	76-124				1
1,2-Dibromo-3-chloropropane	49.7	20.0	ug/L	50.00		99	72-124				1
1,2-Dibromoethane	50.7	2.00	ug/L	50.00		101	77-121				1
1,2-Dichloroethane	51.8	4.00	ug/L	50.00		104	73-128				1
1,2-Dichloropropane	48.6	4.00	ug/L	50.00		97	78-122				1
1,3,5-Trimethylbenzene	50.0	2.00	ug/L	50.00		100	75-124				1
1-Butanol	555	200	ug/L	500.0		111	70-130				1
2-Butanone	184	28.0	ug/L	175.0		105	70-137				1
2-Hexanone	186	28.0	ug/L	175.0		106	57-139				1
4-Methyl-2-pentanone	178	28.0	ug/L	175.0		102	67-130				1
Acetone	186	70.0	ug/L	175.0		106	39-160				1
Acrolein	85.1	10.0	ug/L	125.0		68	78-146			S	1
Acrylonitrile	48.6	4.00	ug/L	50.00		97	63-135				1
Benzene	48.9	2.00	ug/L	50.00		98	79-120				1
Bromodichloromethane	47.3	2.00	ug/L	50.00		95	84-139				1
Bromoform	48.8	4.00	ug/L	50.00		98	66-130				1
Bromomethane	51.1	40.0	ug/L	50.00		102	56-150				1
Carbon disulfide	41.9	4.00	ug/L	50.00		84	80-124				1
Carbon tetrachloride	47.9	20.0	ug/L	50.00		96	75-134				1
Chlorobenzene	47.3	2.00	ug/L	50.00		95	82-118				1
Chloroethane	55.8	4.00	ug/L	50.00		112	60-138				1
Chloroform	49.9	4.00	ug/L	50.00		100	79-124				1
Chloromethane	49.9	8.00	ug/L	50.00		100	50-139				1
cis-1,2-Dichloroethene	48.4	4.00	ug/L	50.00		97	78-123				1

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Quality Control
(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 23C0960

Report Date: 04/11/2023
Matrix: Water

Volatile Organic Compounds by GC/MS
(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B3D0136 - SW5030 *(Continued)*											
LCS (B3D0136-BS1) (Continued)				*Prepared: 04/04/2023 13:00*			*Analyzed: 04/05/2023 05:04*				
cis-1,3-Dichloropropene	43.3	4.00	ug/L	50.00		87	75-124				1
Dibromochloromethane	47.6	4.00	ug/L	50.00		95	83-140				1
Ethylbenzene	48.0	4.00	ug/L	50.00		96	79-137				1
m,p-Xylene	98.4	8.00	ug/L	100.0		98	80-136				1
Methyl tert-butyl ether	49.1	4.00	ug/L	50.00		98	71-124				1
Methylene chloride	50.0	20.0	ug/L	50.00		100	74-124				1
Naphthalene	49.8	20.0	ug/L	50.00		100	82-128				1
o-Xylene	49.9	4.00	ug/L	50.00		100	78-122				1
Styrene	47.6	8.00	ug/L	50.00		95	78-123				1
Tetrachloroethene	71.8	4.00	ug/L	50.00		144	74-129			S	1
Toluene	47.5	4.00	ug/L	50.00		95	80-133				1
trans-1,2-Dichloroethene	48.7	4.00	ug/L	50.00		97	75-124				1
trans-1,3-Dichloropropene	42.5	8.00	ug/L	50.00		85	73-127				1
Trichloroethene	50.5	4.00	ug/L	50.00		101	84-129				1
Vinyl acetate	30.4	4.00	ug/L	50.00		61	76-133			S	1
Vinyl chloride	48.3	4.00	ug/L	50.00		97	58-137				1
Xylenes, Total	148	12.0	ug/L	150.0		99	80-132				1
1,3-Dichloropropene, Total	85.8	8.00	ug/L	100.0		86	77-123				1
Surrogate: Dibromofluoromethane	*19.5*		*ug/L*	*20.00*		*97*	*84-137*				1
Surrogate: 1,2-Dichloroethane-d4	*19.8*		*ug/L*	*20.00*		*99*	*74-140*				1
Surrogate: Fluorobenzene	*19.0*		*ug/L*	*20.00*		*95*	*90-105*				1
Surrogate: Toluene-d8	*19.1*		*ug/L*	*20.00*		*95*	*74-109*				1
Surrogate: 4-Bromofluorobenzene	*10.1*		*ug/L*	*10.00*		*101*	*86-128*				1
Surrogate: 1,2-Dichlorobenzene-d4	*19.6*		*ug/L*	*20.00*		*98*	*90-128*				1
LCS Dup (B3D0136-BSD1)				*Prepared: 04/04/2023 13:00*			*Analyzed: 04/05/2023 05:30*				
1,1,1-Trichloroethane	48.3	4.00	ug/L	50.00		97	74-131	0.9	20		1
1,1,2,2-Tetrachloroethane	50.3	4.00	ug/L	50.00		101	71-121	10	20		1
1,1,2-Trichloroethane	50.2	2.00	ug/L	50.00		100	83-139	3	20		1
1,1-Dichloroethane	47.5	2.00	ug/L	50.00		95	77-125	1	20		1
1,1-Dichloroethene	48.1	8.00	ug/L	50.00		96	71-131	1	20		1
1,2,4-Trimethylbenzene	52.3	4.00	ug/L	50.00		105	76-124	4	20		1
1,2-Dibromo-3-chloropropane	52.6	20.0	ug/L	50.00		105	72-124	6	20		1
1,2-Dibromoethane	50.5	2.00	ug/L	50.00		101	77-121	0.2	20		1
1,2-Dichloroethane	49.2	4.00	ug/L	50.00		98	73-128	5	20		1
1,2-Dichloropropane	50.4	4.00	ug/L	50.00		101	78-122	4	20		1
1,3,5-Trimethylbenzene	52.5	2.00	ug/L	50.00		105	75-124	5	20		1
1-Butanol	579	200	ug/L	500.0		116	70-130	4	20		1
2-Butanone	160	28.0	ug/L	175.0		91	70-137	14	20		1
2-Hexanone	176	28.0	ug/L	175.0		100	57-139	6	20		1
4-Methyl-2-pentanone	180	28.0	ug/L	175.0		103	67-130	1	20		1
Acetone	159	70.0	ug/L	175.0		91	39-160	16	20		1

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Quality Control
(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 23C0960

Report Date: 04/11/2023
Matrix: Water

Volatile Organic Compounds by GC/MS
(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B3D0136 - SW5030 *(Continued)*											
LCS Dup (B3D0136-BSD1) (Continued)				*Prepared: 04/04/2023 13:00*			*Analyzed: 04/05/2023 05:30*				
Acrolein	88.9	10.0	ug/L	125.0		71	78-146	4	20	S	1
Acrylonitrile	48.5	4.00	ug/L	50.00		97	63-135	0.3	20		1
Benzene	50.5	2.00	ug/L	50.00		101	79-120	3	20		1
Bromodichloromethane	47.7	2.00	ug/L	50.00		95	84-139	0.9	20		1
Bromoform	48.1	4.00	ug/L	50.00		96	66-130	2	20		1
Bromomethane	49.0	40.0	ug/L	50.00		98	56-150	4	20		1
Carbon disulfide	40.5	4.00	ug/L	50.00		81	80-124	3	20		1
Carbon tetrachloride	49.8	20.0	ug/L	50.00		100	75-134	4	20		1
Chlorobenzene	48.1	2.00	ug/L	50.00		96	82-118	2	20		1
Chloroethane	52.6	4.00	ug/L	50.00		105	60-138	6	20		1
Chloroform	47.9	4.00	ug/L	50.00		96	79-124	4	20		1
Chloromethane	50.1	8.00	ug/L	50.00		100	50-139	0.5	20		1
cis-1,2-Dichloroethene	47.9	4.00	ug/L	50.00		96	78-123	1	20		1
cis-1,3-Dichloropropene	44.6	4.00	ug/L	50.00		89	75-124	3	20		1
Dibromochloromethane	49.1	4.00	ug/L	50.00		98	83-140	3	20		1
Ethylbenzene	48.8	4.00	ug/L	50.00		98	79-137	2	20		1
m,p-Xylene	98.6	8.00	ug/L	100.0		99	80-136	0.2	20		1
Methyl tert-butyl ether	47.7	4.00	ug/L	50.00		95	71-124	3	20		1
Methylene chloride	49.4	20.0	ug/L	50.00		99	74-124	1	20		1
Naphthalene	51.6	20.0	ug/L	50.00		103	82-128	4	20		1
o-Xylene	52.0	4.00	ug/L	50.00		104	78-122	4	20		1
Styrene	48.2	8.00	ug/L	50.00		96	78-123	1	20		1
Tetrachloroethene	63.2	4.00	ug/L	50.00		126	74-129	13	20		1
Toluene	48.8	4.00	ug/L	50.00		98	80-133	3	20		1
trans-1,2-Dichloroethene	46.7	4.00	ug/L	50.00		93	75-124	4	20		1
trans-1,3-Dichloropropene	44.0	8.00	ug/L	50.00		88	73-127	3	20		1
Trichloroethene	51.3	4.00	ug/L	50.00		103	84-129	2	20		1
Vinyl acetate	41.3	4.00	ug/L	50.00		83	76-133	30	20	P	1
Vinyl chloride	47.9	4.00	ug/L	50.00		96	58-137	1	20		1
Xylenes, Total	151	12.0	ug/L	150.0		100	80-132	2	20		1
1,3-Dichloropropene, Total	88.6	8.00	ug/L	100.0		89	77-123	3	20		1
Surrogate: Dibromofluoromethane	*19.4*		*ug/L*	*20.00*		*97*	*84-137*				1
Surrogate: 1,2-Dichloroethane-d4	*19.4*		*ug/L*	*20.00*		*97*	*74-140*				1
Surrogate: Fluorobenzene	*20.2*		*ug/L*	*20.00*		*101*	*90-105*				1
Surrogate: Toluene-d8	*19.7*		*ug/L*	*20.00*		*98*	*74-109*				1
Surrogate: 4-Bromofluorobenzene	*10.2*		*ug/L*	*10.00*		*102*	*86-128*				1
Surrogate: 1,2-Dichlorobenzene-d4	*20.1*		*ug/L*	*20.00*		*101*	*90-128*				1
Batch: B3D0207 - SW5030											
Blank (B3D0207-BLK1)				*Prepared: 04/06/2023 17:14*			*Analyzed: 04/07/2023 04:06*				
1,1,1-Trichloroethane	< 4.00	4.00	ug/L								1

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Quality Control
(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 23C0960

Report Date: 04/11/2023
Matrix: Water

Volatile Organic Compounds by GC/MS
(Continued)

Batch: B3D0207 - SW5030 *(Continued)*

Blank (B3D0207-BLK1) (Continued) *Prepared: 04/06/2023 17:14 Analyzed: 04/07/2023 04:06*

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
1,1,2,2-Tetrachloroethane	< 4.00	4.00	ug/L								1
1,1,2-Trichloroethane	< 2.00	2.00	ug/L								1
1,1-Dichloroethane	< 2.00	2.00	ug/L								1
1,1-Dichloroethene	< 8.00	8.00	ug/L								1
1,2,4-Trimethylbenzene	< 4.00	4.00	ug/L								1
1,2-Dibromo-3-chloropropane	< 20.0	20.0	ug/L								1
1,2-Dibromoethane	< 2.00	2.00	ug/L								1
1,2-Dichloroethane	< 4.00	4.00	ug/L								1
1,2-Dichloropropane	< 4.00	4.00	ug/L								1
1,3,5-Trimethylbenzene	< 2.00	2.00	ug/L								1
1-Butanol	< 200	200	ug/L							Q	1
2-Butanone	< 28.0	28.0	ug/L								1
2-Hexanone	< 28.0	28.0	ug/L								1
4-Methyl-2-pentanone	< 28.0	28.0	ug/L								1
Acetone	< 70.0	70.0	ug/L								1
Acrolein	< 10.0	10.0	ug/L								1
Acrylonitrile	< 4.00	4.00	ug/L								1
Benzene	< 2.00	2.00	ug/L								1
Bromodichloromethane	< 2.00	2.00	ug/L								1
Bromoform	< 4.00	4.00	ug/L								1
Bromomethane	< 40.0	40.0	ug/L								1
Carbon disulfide	< 4.00	4.00	ug/L								1
Carbon tetrachloride	< 20.0	20.0	ug/L								1
Chlorobenzene	< 2.00	2.00	ug/L								1
Chloroethane	< 4.00	4.00	ug/L								1
Chloroform	< 4.00	4.00	ug/L								1
Chloromethane	< 8.00	8.00	ug/L							Q	1
cis-1,2-Dichloroethene	< 4.00	4.00	ug/L								1
cis-1,3-Dichloropropene	< 4.00	4.00	ug/L								1
Dibromochloromethane	< 4.00	4.00	ug/L								1
Ethylbenzene	< 4.00	4.00	ug/L								1
m,p-Xylene	< 8.00	8.00	ug/L								1
Methyl tert-butyl ether	< 4.00	4.00	ug/L								1
Methylene chloride	< 20.0	20.0	ug/L								1
Naphthalene	< 20.0	20.0	ug/L								1
o-Xylene	< 4.00	4.00	ug/L								1
Styrene	< 8.00	8.00	ug/L								1
Tetrachloroethene	< 4.00	4.00	ug/L								1
Toluene	< 4.00	4.00	ug/L								1
trans-1,2-Dichloroethene	< 4.00	4.00	ug/L								1
trans-1,3-Dichloropropene	< 8.00	8.00	ug/L								1
Trichloroethene	< 4.00	4.00	ug/L								1

Environmental Monitoring and Technologies, Inc.

509 N. 3rd Avenue Des Plaines, IL 60016-1162 **P** 847.967.6666 800.246.0663 **F** 847.967.6735 **www.emt.com**

Quality Control
(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 23C0960

Report Date: 04/11/2023
Matrix: Water

Volatile Organic Compounds by GC/MS
(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B3D0207 - SW5030 *(Continued)*											
Blank (B3D0207-BLK1) (Continued)				*Prepared: 04/06/2023 17:14*			*Analyzed: 04/07/2023 04:06*				
Vinyl acetate	< 4.00	4.00	ug/L								1
Vinyl chloride	< 4.00	4.00	ug/L								1
Xylenes, Total	< 12.0	12.0	ug/L								1
1,3-Dichloropropene, Total	< 8.00	8.00	ug/L								1
Surrogate: Dibromofluoromethane	*19.6*		*ug/L*	*20.00*		*98*	*84-137*				1
Surrogate: 1,2-Dichloroethane-d4	*19.4*		*ug/L*	*20.00*		*97*	*74-140*				1
Surrogate: Fluorobenzene	*20.0*		*ug/L*	*20.00*		*100*	*90-105*				1
Surrogate: Toluene-d8	*20.3*		*ug/L*	*20.00*		*102*	*74-109*				1
Surrogate: 4-Bromofluorobenzene	*9.96*		*ug/L*	*10.00*		*100*	*86-128*				1
Surrogate: 1,2-Dichlorobenzene-d4	*18.4*		*ug/L*	*20.00*		*92*	*90-128*				1
LCS (B3D0207-BS1)				*Prepared: 04/06/2023 17:14*			*Analyzed: 04/07/2023 02:49*				
1,1,1-Trichloroethane	15.2	4.00	ug/L	15.00		101	74-131				1
1,1,2,2-Tetrachloroethane	13.3	4.00	ug/L	15.00		89	71-121				1
1,1,2-Trichloroethane	15.6	2.00	ug/L	15.00		104	83-139				1
1,1-Dichloroethane	14.4	2.00	ug/L	15.00		96	77-125				1
1,1-Dichloroethene	13.8	8.00	ug/L	15.00		92	71-131				1
1,2,4-Trimethylbenzene	14.8	4.00	ug/L	15.00		99	76-124				1
1,2-Dibromo-3-chloropropane	12.0	20.0	ug/L	15.00		80	72-124			J	1
1,2-Dibromoethane	16.0	2.00	ug/L	15.00		107	77-121				1
1,2-Dichloroethane	14.9	4.00	ug/L	15.00		99	73-128				1
1,2-Dichloropropane	14.9	4.00	ug/L	15.00		99	78-122				1
1,3,5-Trimethylbenzene	15.3	2.00	ug/L	15.00		102	75-124				1
1-Butanol	122	200	ug/L	150.0		81	70-130			Q, J	1
2-Butanone	53.0	28.0	ug/L	52.50		101	70-137				1
2-Hexanone	46.8	28.0	ug/L	52.50		89	57-139				1
4-Methyl-2-pentanone	49.0	28.0	ug/L	52.50		93	67-130				1
Acetone	51.9	70.0	ug/L	52.50		99	39-160			J	1
Acrolein	25.6	10.0	ug/L	37.50		68	78-146			S	1
Acrylonitrile	14.1	4.00	ug/L	15.00		94	63-135				1
Benzene	15.0	2.00	ug/L	15.00		100	79-120				1
Bromodichloromethane	15.4	2.00	ug/L	15.00		102	84-139				1
Bromoform	14.3	4.00	ug/L	15.00		95	66-130				1
Bromomethane	15.6	40.0	ug/L	15.00		104	56-150			J	1
Carbon disulfide	13.5	4.00	ug/L	15.00		90	80-124				1
Carbon tetrachloride	15.2	20.0	ug/L	15.00		101	75-134			J	1
Chlorobenzene	14.9	2.00	ug/L	15.00		99	82-118				1
Chloroethane	13.4	4.00	ug/L	15.00		90	60-138				1
Chloroform	14.9	4.00	ug/L	15.00		99	79-124				1
Chloromethane	13.4	8.00	ug/L	15.00		90	50-139			Q	1
cis-1,2-Dichloroethene	14.5	4.00	ug/L	15.00		97	78-123				1
cis-1,3-Dichloropropene	14.5	4.00	ug/L	15.00		97	75-124				1

Environmental Monitoring and Technologies, Inc.

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Quality Control
(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 23C0960

Report Date: 04/11/2023
Matrix: Water

Volatile Organic Compounds by GC/MS
(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B3D0207 - SW5030 *(Continued)*											
LCS (B3D0207-BS1) (Continued)				*Prepared: 04/06/2023 17:14*			*Analyzed: 04/07/2023 02:49*				
Dibromochloromethane	15.1	4.00	ug/L	15.00		101	83-140				1
Ethylbenzene	15.1	4.00	ug/L	15.00		101	79-137				1
m,p-Xylene	29.1	8.00	ug/L	30.00		97	80-136				1
Methyl tert-butyl ether	14.5	4.00	ug/L	15.00		96	71-124				1
Methylene chloride	14.3	20.0	ug/L	15.00		95	74-124			J	1
Naphthalene	13.6	20.0	ug/L	15.00		91	82-128			J	1
o-Xylene	16.0	4.00	ug/L	15.00		106	78-122				1
Styrene	14.2	8.00	ug/L	15.00		95	78-123				1
Tetrachloroethene	18.1	4.00	ug/L	15.00		121	74-129				1
Toluene	15.1	4.00	ug/L	15.00		101	80-133				1
trans-1,2-Dichloroethene	14.5	4.00	ug/L	15.00		97	75-124				1
trans-1,3-Dichloropropene	14.6	8.00	ug/L	15.00		97	73-127				1
Trichloroethene	14.4	4.00	ug/L	15.00		96	84-129				1
Vinyl acetate	12.1	4.00	ug/L	15.00		81	76-133				1
Vinyl chloride	14.9	4.00	ug/L	15.00		99	58-137				1
Xylenes, Total	45.1	12.0	ug/L	45.00		100	80-132				1
1,3-Dichloropropene, Total	29.1	8.00	ug/L	30.00		97	77-123				1
Surrogate: Dibromofluoromethane	*20.4*		*ug/L*	*20.00*		*102*	*84-137*				1
Surrogate: 1,2-Dichloroethane-d4	*19.2*		*ug/L*	*20.00*		*96*	*74-140*				1
Surrogate: Fluorobenzene	*19.9*		*ug/L*	*20.00*		*99*	*90-105*				1
Surrogate: Toluene-d8	*20.8*		*ug/L*	*20.00*		*104*	*74-109*				1
Surrogate: 4-Bromofluorobenzene	*10.7*		*ug/L*	*10.00*		*107*	*86-128*				1
Surrogate: 1,2-Dichlorobenzene-d4	*18.7*		*ug/L*	*20.00*		*93*	*90-128*				1
LCS Dup (B3D0207-BSD1)				*Prepared: 04/06/2023 17:14*			*Analyzed: 04/07/2023 03:15*				
1,1,1-Trichloroethane	15.2	4.00	ug/L	15.00		102	74-131	0.2	20		1
1,1,2,2-Tetrachloroethane	12.0	4.00	ug/L	15.00		80	71-121	10	20		1
1,1,2-Trichloroethane	16.0	2.00	ug/L	15.00		107	83-139	2	20		1
1,1-Dichloroethane	14.7	2.00	ug/L	15.00		98	77-125	3	20		1
1,1-Dichloroethene	13.9	8.00	ug/L	15.00		93	71-131	1	20		1
1,2,4-Trimethylbenzene	15.8	4.00	ug/L	15.00		105	76-124	7	20		1
1,2-Dibromo-3-chloropropane	13.8	20.0	ug/L	15.00		92	72-124	14	20	J	1
1,2-Dibromoethane	15.4	2.00	ug/L	15.00		103	77-121	4	20		1
1,2-Dichloroethane	15.1	4.00	ug/L	15.00		101	73-128	2	20		1
1,2-Dichloropropane	14.7	4.00	ug/L	15.00		98	78-122	1	20		1
1,3,5-Trimethylbenzene	15.4	2.00	ug/L	15.00		102	75-124	0.5	20		1
1-Butanol	169	200	ug/L	150.0		113	70-130	33	20	P, Q, J	1
2-Butanone	54.9	28.0	ug/L	52.50		105	70-137	4	20		1
2-Hexanone	57.3	28.0	ug/L	52.50		109	57-139	20	20		1
4-Methyl-2-pentanone	53.9	28.0	ug/L	52.50		103	67-130	9	20		1
Acetone	61.3	70.0	ug/L	52.50		117	39-160	16	20	J	1
Acrolein	25.3	10.0	ug/L	37.50		67	78-146	1	20	S	1

Environmental Monitoring and Technologies, Inc.

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Quality Control
(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 23C0960

Report Date: 04/11/2023
Matrix: Water

Volatile Organic Compounds by GC/MS
(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B3D0207 - SW5030 *(Continued)*											
LCS Dup (B3D0207-BSD1) (Continued)				*Prepared: 04/06/2023 17:14*			*Analyzed: 04/07/2023 03:15*				
Acrylonitrile	14.7	4.00	ug/L	15.00		98	63-135	4	20		1
Benzene	15.2	2.00	ug/L	15.00		101	79-120	2	20		1
Bromodichloromethane	15.6	2.00	ug/L	15.00		104	84-139	1	20		1
Bromoform	15.6	4.00	ug/L	15.00		104	66-130	9	20		1
Bromomethane	16.4	40.0	ug/L	15.00		109	56-150	5	20	J	1
Carbon disulfide	13.8	4.00	ug/L	15.00		92	80-124	2	20		1
Carbon tetrachloride	15.0	20.0	ug/L	15.00		100	75-134	2	20	J	1
Chlorobenzene	15.0	2.00	ug/L	15.00		100	82-118	0.5	20		1
Chloroethane	15.9	4.00	ug/L	15.00		106	60-138	17	20		1
Chloroform	15.8	4.00	ug/L	15.00		105	79-124	6	20		1
Chloromethane	21.2	8.00	ug/L	15.00		141	50-139	45	20	Q	1
cis-1,2-Dichloroethene	14.6	4.00	ug/L	15.00		97	78-123	0.6	20		1
cis-1,3-Dichloropropene	14.5	4.00	ug/L	15.00		97	75-124	0.1	20		1
Dibromochloromethane	14.8	4.00	ug/L	15.00		99	83-140	2	20		1
Ethylbenzene	15.7	4.00	ug/L	15.00		105	79-137	4	20		1
m,p-Xylene	31.4	8.00	ug/L	30.00		105	80-136	8	20		1
Methyl tert-butyl ether	14.8	4.00	ug/L	15.00		99	71-124	2	20		1
Methylene chloride	15.0	20.0	ug/L	15.00		100	74-124	5	20	J	1
Naphthalene	14.4	20.0	ug/L	15.00		96	82-128	6	20	J	1
o-Xylene	15.5	4.00	ug/L	15.00		104	78-122	3	20		1
Styrene	15.2	8.00	ug/L	15.00		101	78-123	7	20		1
Tetrachloroethene	18.7	4.00	ug/L	15.00		125	74-129	3	20		1
Toluene	14.6	4.00	ug/L	15.00		98	80-133	3	20		1
trans-1,2-Dichloroethene	15.2	4.00	ug/L	15.00		101	75-124	5	20		1
trans-1,3-Dichloropropene	15.0	8.00	ug/L	15.00		100	73-127	3	20		1
Trichloroethene	16.0	4.00	ug/L	15.00		107	84-129	11	20		1
Vinyl acetate	10.4	4.00	ug/L	15.00		69	76-133	15	20	S	1
Vinyl chloride	16.1	4.00	ug/L	15.00		108	58-137	8	20		1
Xylenes, Total	47.0	12.0	ug/L	45.00		104	80-132	4	20		1
1,3-Dichloropropene, Total	29.5	8.00	ug/L	30.00		98	77-123	1	20		1
Surrogate: Dibromofluoromethane	*20.0*		*ug/L*	*20.00*		*100*	*84-137*				1
Surrogate: 1,2-Dichloroethane-d4	*19.8*		*ug/L*	*20.00*		*99*	*74-140*				1
Surrogate: Fluorobenzene	*20.2*		*ug/L*	*20.00*		*101*	*90-105*				1
Surrogate: Toluene-d8	*19.9*		*ug/L*	*20.00*		*99*	*74-109*				1
Surrogate: 4-Bromofluorobenzene	*9.20*		*ug/L*	*10.00*		*92*	*86-128*				1
Surrogate: 1,2-Dichlorobenzene-d4	*19.7*		*ug/L*	*20.00*		*98*	*90-128*				1
MRL Check (B3D0207-MRL5)				*Prepared: 04/06/2023 17:14*			*Analyzed: 04/07/2023 10:03*				
1,1,1-Trichloroethane	< 4.00	4.00	ug/L				0-200				1
1,1,2,2-Tetrachloroethane	< 4.00	4.00	ug/L				0-200				1
1,1,2-Trichloroethane	< 2.00	2.00	ug/L				0-200				1
1,1-Dichloroethane	< 2.00	2.00	ug/L				0-200				1

Environmental Monitoring and Technologies, Inc.

509 N. 3rd Avenue Des Plaines, IL 60016-1162 **P** 847.967.6666 800.246.0663 **F** 847.967.6735 **www.emt.com**

Quality Control
(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 23C0960

Report Date: 04/11/2023
Matrix: Water

Volatile Organic Compounds by GC/MS
(Continued)

Batch: B3D0207 - SW5030 *(Continued)*

MRL Check (B3D0207-MRL5) (Continued) *Prepared: 04/06/2023 17:14 Analyzed: 04/07/2023 10:03*

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
1,1-Dichloroethene	< 8.00	8.00	ug/L				0-200				1
1,2,4-Trimethylbenzene	< 4.00	4.00	ug/L				0-200				1
1,2-Dibromo-3-chloropropane	< 20.0	20.0	ug/L				0-200				1
1,2-Dibromoethane	< 2.00	2.00	ug/L				0-200				1
1,2-Dichloroethane	< 4.00	4.00	ug/L				0-200				1
1,2-Dichloropropane	< 4.00	4.00	ug/L				0-200				1
1,3,5-Trimethylbenzene	< 2.00	2.00	ug/L				0-200				1
1-Butanol	< 200	200	ug/L				0-200				1
2-Butanone	< 28.0	28.0	ug/L				0-200				1
2-Hexanone	< 28.0	28.0	ug/L				0-200				1
4-Methyl-2-pentanone	< 28.0	28.0	ug/L				0-200				1
Acetone	< 70.0	70.0	ug/L				0-200				1
Acrolein	< 10.0	10.0	ug/L				0-200				1
Acrylonitrile	< 4.00	4.00	ug/L				0-200				1
Benzene	< 2.00	2.00	ug/L				0-200				1
Bromodichloromethane	< 2.00	2.00	ug/L				0-200				1
Bromoform	< 4.00	4.00	ug/L				0-200				1
Bromomethane	< 40.0	40.0	ug/L				0-200				1
Carbon disulfide	< 4.00	4.00	ug/L				0-200				1
Carbon tetrachloride	< 20.0	20.0	ug/L				0-200				1
Chlorobenzene	< 2.00	2.00	ug/L				0-200				1
Chloroethane	< 4.00	4.00	ug/L				0-200				1
Chloroform	< 4.00	4.00	ug/L				0-200				1
Chloromethane	< 8.00	8.00	ug/L				0-200				1
cis-1,2-Dichloroethene	< 4.00	4.00	ug/L				0-200				1
cis-1,3-Dichloropropene	< 4.00	4.00	ug/L				0-200				1
Dibromochloromethane	< 4.00	4.00	ug/L				0-200				1
Ethylbenzene	< 4.00	4.00	ug/L				0-200				1
m,p-Xylene	< 8.00	8.00	ug/L				0-200				1
Methyl tert-butyl ether	< 4.00	4.00	ug/L				0-200				1
Methylene chloride	< 20.0	20.0	ug/L				0-200				1
Naphthalene	< 20.0	20.0	ug/L				0-200				1
o-Xylene	< 4.00	4.00	ug/L				0-200				1
Styrene	< 8.00	8.00	ug/L				0-200				1
Tetrachloroethene	< 4.00	4.00	ug/L				0-200				1
Toluene	< 4.00	4.00	ug/L				0-200				1
trans-1,2-Dichloroethene	< 4.00	4.00	ug/L				0-200				1
trans-1,3-Dichloropropene	< 8.00	8.00	ug/L				0-200				1
Trichloroethene	< 4.00	4.00	ug/L				0-200				1
Vinyl acetate	< 4.00	4.00	ug/L				0-200				1
Vinyl chloride	< 4.00	4.00	ug/L				0-200				1
Xylenes, Total	< 12.0	12.0	ug/L				0-200				1

Environmental Monitoring and Technologies, Inc.

509 N. 3rd Avenue Des Plaines, IL 60016-1162 **P** 847.967.6666 800.246.0663 **F** 847.967.6735 **www.emt.com**

Quality Control
(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 23C0960

Report Date: 04/11/2023
Matrix: Water

Volatile Organic Compounds by GC/MS
(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B3D0207 - SW5030 *(Continued)*											
MRL Check (B3D0207-MRL5) (Continued)				*Prepared: 04/06/2023 17:14*			*Analyzed: 04/07/2023 10:03*				
1,3-Dichloropropene, Total	< 8.00	8.00	ug/L				0-200				1
Surrogate: Dibromofluoromethane	*21.7*		*ug/L*	*20.00*		*108*	*84-137*				1
Surrogate: 1,2-Dichloroethane-d4	*22.0*		*ug/L*	*20.00*		*110*	*74-140*				1
Surrogate: Fluorobenzene	*20.6*		*ug/L*	*20.00*		*103*	*90-105*				1
Surrogate: Toluene-d8	*20.8*		*ug/L*	*20.00*		*104*	*74-109*				1
Surrogate: 4-Bromofluorobenzene	*12.0*		*ug/L*	*10.00*		*120*	*86-128*				1
Surrogate: 1,2-Dichlorobenzene-d4	*19.1*		*ug/L*	*20.00*		*95*	*90-128*				1
Batch: B3D0251 - SW5030											
Blank (B3D0251-BLK1)				*Prepared: 04/07/2023 17:54*			*Analyzed: 04/08/2023 05:14*				
1,1,1-Trichloroethane	< 4.00	4.00	ug/L								1
1,1,2,2-Tetrachloroethane	< 4.00	4.00	ug/L								1
1,1,2-Trichloroethane	< 2.00	2.00	ug/L								1
1,1-Dichloroethane	< 2.00	2.00	ug/L								1
1,1-Dichloroethene	< 8.00	8.00	ug/L								1
1,2,4-Trimethylbenzene	< 4.00	4.00	ug/L								1
1,2-Dibromo-3-chloropropane	< 20.0	20.0	ug/L								1
1,2-Dibromoethane	< 2.00	2.00	ug/L								1
1,2-Dichloroethane	< 4.00	4.00	ug/L								1
1,2-Dichloropropane	< 4.00	4.00	ug/L								1
1,3,5-Trimethylbenzene	< 2.00	2.00	ug/L								1
1-Butanol	< 200	200	ug/L							Q	1
2-Butanone	< 28.0	28.0	ug/L								1
2-Hexanone	< 28.0	28.0	ug/L								1
4-Methyl-2-pentanone	< 28.0	28.0	ug/L								1
Acetone	< 70.0	70.0	ug/L								1
Acrolein	< 10.0	10.0	ug/L								1
Acrylonitrile	< 4.00	4.00	ug/L								1
Benzene	< 2.00	2.00	ug/L								1
Bromodichloromethane	< 2.00	2.00	ug/L								1
Bromoform	< 4.00	4.00	ug/L								1
Bromomethane	< 40.0	40.0	ug/L								1
Carbon disulfide	< 4.00	4.00	ug/L								1
Carbon tetrachloride	< 20.0	20.0	ug/L								1
Chlorobenzene	< 2.00	2.00	ug/L								1
Chloroethane	< 4.00	4.00	ug/L								1
Chloroform	< 4.00	4.00	ug/L								1
Chloromethane	< 8.00	8.00	ug/L							Q	1
cis-1,2-Dichloroethene	< 4.00	4.00	ug/L								1
cis-1,3-Dichloropropene	< 4.00	4.00	ug/L								1
Dibromochloromethane	< 4.00	4.00	ug/L								1

Environmental Monitoring and Technologies, Inc.

509 N. 3rd Avenue Des Plaines, IL 60016-1162 **P** 847.967.6666 800.246.0663 **F** 847.967.6735 **www.emt.com**

Quality Control
(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 23C0960

Report Date: 04/11/2023
Matrix: Water

Volatile Organic Compounds by GC/MS
(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B3D0251 - SW5030 *(Continued)*											
Blank (B3D0251-BLK1) (Continued)				*Prepared: 04/07/2023 17:54*			*Analyzed: 04/08/2023 05:14*				
Ethylbenzene	< 4.00	4.00	ug/L								1
m,p-Xylene	< 8.00	8.00	ug/L								1
Methyl tert-butyl ether	< 4.00	4.00	ug/L								1
Methylene chloride	< 20.0	20.0	ug/L								1
Naphthalene	< 20.0	20.0	ug/L								1
o-Xylene	< 4.00	4.00	ug/L								1
Styrene	< 8.00	8.00	ug/L								1
Tetrachloroethene	< 4.00	4.00	ug/L								1
Toluene	< 4.00	4.00	ug/L								1
trans-1,2-Dichloroethene	< 4.00	4.00	ug/L								1
trans-1,3-Dichloropropene	< 8.00	8.00	ug/L								1
Trichloroethene	< 4.00	4.00	ug/L								1
Vinyl acetate	< 4.00	4.00	ug/L								1
Vinyl chloride	< 4.00	4.00	ug/L								1
Xylenes, Total	< 12.0	12.0	ug/L								1
1,3-Dichloropropene, Total	< 8.00	8.00	ug/L								1
Surrogate: Dibromofluoromethane	*18.2*		*ug/L*	*20.00*		*91*	*84-137*				1
Surrogate: 1,2-Dichloroethane-d4	*19.0*		*ug/L*	*20.00*		*95*	*74-140*				1
Surrogate: Fluorobenzene	*20.2*		*ug/L*	*20.00*		*101*	*90-105*				1
Surrogate: Toluene-d8	*18.8*		*ug/L*	*20.00*		*94*	*74-109*				1
Surrogate: 4-Bromofluorobenzene	*11.6*		*ug/L*	*10.00*		*116*	*86-128*				1
Surrogate: 1,2-Dichlorobenzene-d4	*20.3*		*ug/L*	*20.00*		*101*	*90-128*				1
LCS (B3D0251-BS1)				*Prepared: 04/07/2023 17:54*			*Analyzed: 04/08/2023 03:55*				
1,1,1-Trichloroethane	13.8	4.00	ug/L	15.00		92	74-131				1
1,1,2,2-Tetrachloroethane	14.2	4.00	ug/L	15.00		94	71-121				1
1,1,2-Trichloroethane	16.1	2.00	ug/L	15.00		107	83-139				1
1,1-Dichloroethane	14.8	2.00	ug/L	15.00		98	77-125				1
1,1-Dichloroethene	13.6	8.00	ug/L	15.00		90	71-131				1
1,2,4-Trimethylbenzene	15.4	4.00	ug/L	15.00		103	76-124				1
1,2-Dibromo-3-chloropropane	16.3	20.0	ug/L	15.00		109	72-124			J	1
1,2-Dibromoethane	12.5	2.00	ug/L	15.00		83	77-121				1
1,2-Dichloroethane	14.6	4.00	ug/L	15.00		98	73-128				1
1,2-Dichloropropane	15.2	4.00	ug/L	15.00		101	78-122				1
1,3,5-Trimethylbenzene	14.5	2.00	ug/L	15.00		97	75-124				1
1-Butanol	192	200	ug/L	150.0		128	70-130			Q, J	1
2-Butanone	49.3	28.0	ug/L	52.50		94	70-137				1
2-Hexanone	54.5	28.0	ug/L	52.50		104	57-139				1
4-Methyl-2-pentanone	58.6	28.0	ug/L	52.50		112	67-130				1
Acetone	51.1	70.0	ug/L	52.50		97	39-160			J	1
Acrolein	29.3	10.0	ug/L	37.50		78	78-146				1
Acrylonitrile	16.1	4.00	ug/L	15.00		107	63-135				1

Environmental Monitoring and Technologies, Inc.

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Quality Control
(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 23C0960

Report Date: 04/11/2023
Matrix: Water

Volatile Organic Compounds by GC/MS
(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B3D0251 - SW5030 *(Continued)*											
LCS (B3D0251-BS1) (Continued)				*Prepared: 04/07/2023 17:54*			*Analyzed: 04/08/2023 03:55*				
Benzene	15.5	2.00	ug/L	15.00		103	79-120				1
Bromodichloromethane	15.3	2.00	ug/L	15.00		102	84-139				1
Bromoform	13.5	4.00	ug/L	15.00		90	66-130				1
Bromomethane	16.0	40.0	ug/L	15.00		107	56-150			J	1
Carbon disulfide	13.6	4.00	ug/L	15.00		90	80-124				1
Carbon tetrachloride	14.8	20.0	ug/L	15.00		98	75-134			J	1
Chlorobenzene	15.0	2.00	ug/L	15.00		100	82-118				1
Chloroethane	16.8	4.00	ug/L	15.00		112	60-138				1
Chloroform	14.2	4.00	ug/L	15.00		95	79-124				1
Chloromethane	23.3	8.00	ug/L	15.00		156	50-139			Q	1
cis-1,2-Dichloroethene	13.9	4.00	ug/L	15.00		92	78-123				1
cis-1,3-Dichloropropene	14.1	4.00	ug/L	15.00		94	75-124				1
Dibromochloromethane	13.8	4.00	ug/L	15.00		92	83-140				1
Ethylbenzene	14.8	4.00	ug/L	15.00		99	79-137				1
m,p-Xylene	31.1	8.00	ug/L	30.00		104	80-136				1
Methyl tert-butyl ether	13.8	4.00	ug/L	15.00		92	71-124				1
Methylene chloride	14.4	20.0	ug/L	15.00		96	74-124			J	1
Naphthalene	14.7	20.0	ug/L	15.00		98	82-128			J	1
o-Xylene	13.7	4.00	ug/L	15.00		91	78-122				1
Styrene	16.0	8.00	ug/L	15.00		106	78-123				1
Tetrachloroethene	14.9	4.00	ug/L	15.00		99	74-129				1
Toluene	13.6	4.00	ug/L	15.00		90	80-133				1
trans-1,2-Dichloroethene	14.2	4.00	ug/L	15.00		94	75-124				1
trans-1,3-Dichloropropene	14.8	8.00	ug/L	15.00		99	73-127				1
Trichloroethene	14.9	4.00	ug/L	15.00		99	84-129				1
Vinyl acetate	12.7	4.00	ug/L	15.00		85	76-133				1
Vinyl chloride	15.4	4.00	ug/L	15.00		103	58-137				1
Xylenes, Total	44.8	12.0	ug/L	45.00		100	80-132				1
1,3-Dichloropropene, Total	29.0	8.00	ug/L	30.00		97	77-123				1
Surrogate: Dibromofluoromethane	*19.4*		*ug/L*	*20.00*		*97*	*84-137*				1
Surrogate: 1,2-Dichloroethane-d4	*19.2*		*ug/L*	*20.00*		*96*	*74-140*				1
Surrogate: Fluorobenzene	*20.5*		*ug/L*	*20.00*		*103*	*90-105*				1
Surrogate: Toluene-d8	*19.2*		*ug/L*	*20.00*		*96*	*74-109*				1
Surrogate: 4-Bromofluorobenzene	*8.66*		*ug/L*	*10.00*		*87*	*86-128*				1
Surrogate: 1,2-Dichlorobenzene-d4	*21.6*		*ug/L*	*20.00*		*108*	*90-128*				1
LCS Dup (B3D0251-BSD1)				*Prepared: 04/07/2023 17:54*			*Analyzed: 04/08/2023 04:21*				
1,1,1-Trichloroethane	15.4	4.00	ug/L	15.00		103	74-131	11	20		1
1,1,2,2-Tetrachloroethane	12.2	4.00	ug/L	15.00		81	71-121	15	20		1
1,1,2-Trichloroethane	16.2	2.00	ug/L	15.00		108	83-139	0.4	20		1
1,1-Dichloroethane	14.8	2.00	ug/L	15.00		98	77-125	0	20		1
1,1-Dichloroethene	14.0	8.00	ug/L	15.00		93	71-131	3	20		1

Environmental Monitoring and Technologies, Inc.

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Quality Control
(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 23C0960

Report Date: 04/11/2023
Matrix: Water

Volatile Organic Compounds by GC/MS
(Continued)

Batch: B3D0251 - SW5030 *(Continued)*

LCS Dup (B3D0251-BSD1) (Continued) *Prepared: 04/07/2023 17:54 Analyzed: 04/08/2023 04:21*

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
1,2,4-Trimethylbenzene	16.8	4.00	ug/L	15.00		112	76-124	9	20		1
1,2-Dibromo-3-chloropropane	13.7	20.0	ug/L	15.00		91	72-124	18	20	J	1
1,2-Dibromoethane	14.2	2.00	ug/L	15.00		94	77-121	13	20		1
1,2-Dichloroethane	15.2	4.00	ug/L	15.00		101	73-128	4	20		1
1,2-Dichloropropane	14.6	4.00	ug/L	15.00		98	78-122	4	20		1
1,3,5-Trimethylbenzene	15.6	2.00	ug/L	15.00		104	75-124	7	20		1
1-Butanol	138	200	ug/L	150.0		92	70-130	33	20	Q, J	1
2-Butanone	48.4	28.0	ug/L	52.50		92	70-137	2	20		1
2-Hexanone	47.8	28.0	ug/L	52.50		91	57-139	13	20		1
4-Methyl-2-pentanone	51.1	28.0	ug/L	52.50		97	67-130	14	20		1
Acetone	50.6	70.0	ug/L	52.50		96	39-160	1	20	J	1
Acrolein	29.4	10.0	ug/L	37.50		78	78-146	0.3	20		1
Acrylonitrile	15.8	4.00	ug/L	15.00		106	63-135	2	20		1
Benzene	14.8	2.00	ug/L	15.00		98	79-120	5	20		1
Bromodichloromethane	15.2	2.00	ug/L	15.00		102	84-139	0.3	20		1
Bromoform	13.5	4.00	ug/L	15.00		90	66-130	0.4	20		1
Bromomethane	15.5	40.0	ug/L	15.00		104	56-150	3	20	J	1
Carbon disulfide	13.2	4.00	ug/L	15.00		88	80-124	2	20		1
Carbon tetrachloride	14.5	20.0	ug/L	15.00		97	75-134	2	20	J	1
Chlorobenzene	15.0	2.00	ug/L	15.00		100	82-118	0	20		1
Chloroethane	15.4	4.00	ug/L	15.00		103	60-138	8	20		1
Chloroform	14.4	4.00	ug/L	15.00		96	79-124	1	20		1
Chloromethane	19.7	8.00	ug/L	15.00		131	50-139	17	20	Q	1
cis-1,2-Dichloroethene	14.1	4.00	ug/L	15.00		94	78-123	1	20		1
cis-1,3-Dichloropropene	14.5	4.00	ug/L	15.00		97	75-124	2	20		1
Dibromochloromethane	14.4	4.00	ug/L	15.00		96	83-140	4	20		1
Ethylbenzene	14.7	4.00	ug/L	15.00		98	79-137	0.5	20		1
m,p-Xylene	30.6	8.00	ug/L	30.00		102	80-136	2	20		1
Methyl tert-butyl ether	14.7	4.00	ug/L	15.00		98	71-124	6	20		1
Methylene chloride	14.7	20.0	ug/L	15.00		98	74-124	2	20	J	1
Naphthalene	14.8	20.0	ug/L	15.00		98	82-128	0.6	20	J	1
o-Xylene	16.6	4.00	ug/L	15.00		111	78-122	19	20		1
Styrene	15.6	8.00	ug/L	15.00		104	78-123	2	20		1
Tetrachloroethene	16.5	4.00	ug/L	15.00		110	74-129	10	20		1
Toluene	14.2	4.00	ug/L	15.00		94	80-133	4	20		1
trans-1,2-Dichloroethene	14.8	4.00	ug/L	15.00		98	75-124	4	20		1
trans-1,3-Dichloropropene	14.7	8.00	ug/L	15.00		98	73-127	1	20		1
Trichloroethene	15.2	4.00	ug/L	15.00		101	84-129	2	20		1
Vinyl acetate	12.1	4.00	ug/L	15.00		81	76-133	5	20		1
Vinyl chloride	15.8	4.00	ug/L	15.00		105	58-137	3	20		1
Xylenes, Total	47.2	12.0	ug/L	45.00		105	80-132	5	20		1
1,3-Dichloropropene, Total	29.2	8.00	ug/L	30.00		97	77-123	0.7	20		1

Environmental Monitoring and Technologies, Inc.

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Quality Control
(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 23C0960

Report Date: 04/11/2023
Matrix: Water

Volatile Organic Compounds by GC/MS
(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B3D0251 - SW5030 *(Continued)*											
LCS Dup (B3D0251-BSD1) (Continued)				*Prepared: 04/07/2023 17:54*			*Analyzed: 04/08/2023 04:21*				
Surrogate: Dibromofluoromethane	*20.9*		*ug/L*	*20.00*		*105*	*84-137*				1
Surrogate: 1,2-Dichloroethane-d4	*21.0*		*ug/L*	*20.00*		*105*	*74-140*				1
Surrogate: Fluorobenzene	*19.4*		*ug/L*	*20.00*		*97*	*90-105*				1
Surrogate: Toluene-d8	*19.9*		*ug/L*	*20.00*		*100*	*74-109*				1
Surrogate: 4-Bromofluorobenzene	*9.53*		*ug/L*	*10.00*		*95*	*86-128*				1
Surrogate: 1,2-Dichlorobenzene-d4	*19.6*		*ug/L*	*20.00*		*98*	*90-128*				1

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Certified Analyses included in this Report

Analyte	CAS #	Certifications
SW8260B/D in Water		
1,1,1-Trichloroethane	71-55-6	AKDEC,WDNR,DoD,ILEPA
1,1,2,2-Tetrachloroethane	79-34-5	AKDEC,WDNR,DoD,ILEPA
1,1,2-Trichloroethane	79-00-5	AKDEC,WDNR,DoD,ILEPA
1,1-Dichloroethane	75-34-3	AKDEC,WDNR,DoD,ILEPA
1,1-Dichloroethene	75-35-4	AKDEC,WDNR,DoD,ILEPA
1,2,4-Trimethylbenzene	95-63-6	WDNR,DoD,ILEPA
1,2-Dibromo-3-chloropropane	96-12-8	AKDEC,WDNR,DoD,ILEPA
1,2-Dibromoethane	106-93-4	AKDEC,WDNR,DoD,ILEPA
1,2-Dichloroethane	107-06-2	AKDEC,WDNR,DoD,ILEPA
1,2-Dichloropropane	78-87-5	AKDEC,WDNR,DoD,ILEPA
1,3,5-Trimethylbenzene	108-67-8	WDNR,DoD,ILEPA
1-Butanol	71-36-3	WDNR,ILEPA
2-Butanone	78-93-3	WDNR,DoD,ILEPA
2-Hexanone	591-78-6	WDNR,DoD,ILEPA
4-Methyl-2-pentanone	108-10-1	WDNR,DoD,ILEPA
Acetone	67-64-1	WDNR,DoD,ILEPA
Acrolein	107-02-8	WDNR,DoD,ILEPA
Acrylonitrile	107-13-1	WDNR,DoD,ILEPA
Benzene	71-43-2	AKDEC,WDNR,DoD,ILEPA
Bromodichloromethane	75-27-4	AKDEC,WDNR,DoD,ILEPA
Bromoform	75-25-2	AKDEC,WDNR,DoD,ILEPA
Bromomethane	74-83-9	AKDEC,WDNR,DoD,ILEPA
Carbon disulfide	75-15-0	WDNR,DoD,ILEPA
Carbon tetrachloride	56-23-5	AKDEC,WDNR,DoD,ILEPA
Chlorobenzene	108-90-7	AKDEC,WDNR,DoD,ILEPA
Chloroethane	75-00-3	WDNR,DoD,ILEPA
Chloroform	67-66-3	AKDEC,WDNR,DoD,ILEPA
Chloromethane	74-87-3	AKDEC,WDNR,DoD,ILEPA
cis-1,2-Dichloroethene	156-59-2	WDNR,DoD,ILEPA
cis-1,3-Dichloropropene	10061-01-5	AKDEC,WDNR,DoD,ILEPA
Dibromochloromethane	124-48-1	AKDEC,WDNR,DoD,ILEPA
Ethylbenzene	100-41-4	AKDEC,WDNR,DoD,ILEPA
m,p-Xylene	179601-23-1	AKDEC,WDNR,DoD,ILEPA
Methyl tert-butyl ether	1634-04-4	WDNR,DoD,ILEPA
Methylene chloride	75-09-2	AKDEC,WDNR,DoD,ILEPA
Naphthalene	91-20-3	WDNR,DoD,ILEPA
o-Xylene	95-47-6	AKDEC,WDNR,DoD,ILEPA
Styrene	100-42-5	WDNR,DoD
Tetrachloroethene	127-18-4	AKDEC,WDNR,DoD,ILEPA
Toluene	108-88-3	AKDEC,WDNR,DoD,ILEPA
trans-1,2-Dichloroethene	156-60-5	AKDEC,WDNR,DoD,ILEPA

Environmental Monitoring and Technologies, Inc.

509 N. 3rd Avenue Des Plaines, IL 60016-1162 **P** 847.967.6666 800.246.0663 **F** 847.967.6735 **www.emt.com**

Certified Analyses included in this Report (Continued)

Analyte	CAS #	Certifications
SW8260B/D in Water (Continued)		
trans-1,3-Dichloropropene	10061-02-6	AKDEC,WDNR,DoD,ILEPA
Trichloroethene	79-01-6	AKDEC,WDNR,DoD,ILEPA
Vinyl acetate	108-05-4	WDNR,DoD,ILEPA
Vinyl chloride	75-01-4	AKDEC,WDNR,DoD,ILEPA
Xylenes, Total	1330-20-7	AKDEC,WDNR,DoD,ILEPA
1,3-Dichloropropene, Total	542-75-6	AKDEC,WDNR,DoD,ILEPA

List of Certifications

Code	Description	Number	Expires
AKDEC	State of Alaska, Dept. Environmental Conservation	17-011	04/30/2024
CPSC	US Consumer Product Safety Commission, Accredited by PJLA Lab No. 1050	L18-184-R1	03/31/2024
DoD	Department of Defense, Accredited by PJLA	L20-164-R2	03/31/2024
ILEPA	State of Illinois, NELAP Accredited Lab No. 100256	1002562021-6	07/27/2023
ISO	ISO/IEC 17025:2017, Accredited by PJLA	L20-165	03/31/2024
NEFAP	TNI National Environmental Field Activities Program	L20-166	03/31/2024
NY	New York State Department of Health	65634	04/01/2023
WA	Washington State Department of Ecology	C1057	01/06/2023
WDNR	State of Wisconsin Dept of Natural Resources	999888890	08/31/2023

Environmental Monitoring and Technologies, Inc.

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Qualifiers and Definitions

Item	Description
J	The reported result is an estimated value.
P	The quality control sample %RPD is above the laboratory control limit.
Q	One or more quality control results were outside of the acceptance limits (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).
S	The quality control sample recovery is outside of the laboratory control limits.
S1	The percent recovery is above the limits (e.g. LCS recovery, surrogate spike recovery, or CCV recovery), but the analyte was not detected in the sample. Data is acceptable.
%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 AND TECHNOLOGIES, INC.

509 N. 3rd Avenue
Des Plaines, IL 60016

olga

23C0960
PM: Olga Karplyuk
United Engineering Consultants, Inc.
UEC Analysis

ustody Record

TURNAROUND TIME:
☐ RUSH
_____ day turnaround
☒ ROUTINE

Due Date: ____-____-____ COC #: 251508

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. H_2SO_4 5. HCl 8. Other
3. HNO_3 6. MeOH ____

Analyses

Sample I.D.	Sample Type	Container Size	Container Type	Container No.	Sampling By	Sampling Date	Sampling Time	Preservation pH	Preservation Temp.	Preservation Field	Preservation Lab	VOC	EMT USE ONLY / EMT WORKORDER # 23C0960
MW-2	G	40mL	G	3	JES	3/28/23	11:10	-	-	5		X	01A-C
MW-2R	↓	↓	↓	↓	↓	↓	11:15	↓	↓	↓		X	02A-C
MW-4	↓	↓	↓	↓	↓	↓	10:40	↓	↓	↓		X	03A-C
TRIP BLANK	G	40mL	G	1	-	-	-	-	-	5		X	04A

Relinquished By: Joseph Schultz	Date: 3-31-23 Time: 1000	Received By:	Date: 3-31-23 Time: 1000	EMT USE ONLY Client Code:	☐ SAMPLE RECEIVED ON ICE ☐ TEMPERATURE
Relinquished By:	Date: 3-31-23 Time: 1310	Received By:	Date: - - Time: :	EMT Project I.D.	
Relinquished By:	Date: - - Time: :	Received For Lab By:	Date: 03-31-23 Time: 13:10	Jar Lot No.	4-7 EMT SAMPLE RETURN POLICY ON BACK

SPECIAL INSTRUCTIONS:

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Sample Receipt Checklist

Work Order: 23C0960

Printed: 3/31/2023 2:56:51PM

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

Date Due: Friday, April 7, 2023

Received By: Peter Cho
Logged In By: Peter Cho

Date Received: 03/31/23 13:10
Date Logged In: 03/31/23 13:11

How were samples received?	EMT-Todd
Cooler temperature at or below 6 degrees Celsius	Yes
Chain of Custody present and properly completed	Yes
Turn Around Time is indicated and specified	Yes
Chain of Custody agrees with sample labels	Yes
Samples received within hold time	Yes
Proper sample containers received intact	Yes
Containers properly preserved	Yes
Sufficient Sample Volume	Yes
Custody seals present	No
Volatile water vials received	No

Sample Receipt Comments
Work Order: 23C0960
The samples were received on 03/31/23 13:09. The temperature of the cooler(s) at receipt was:

Cooler	Temp C°
Default Cooler	4.7

The samples were received in good condition and were properly preserved.

Samples going out of hold time within 24 hours:

PW
Reviewed By:

03/31/23
Date:

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