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

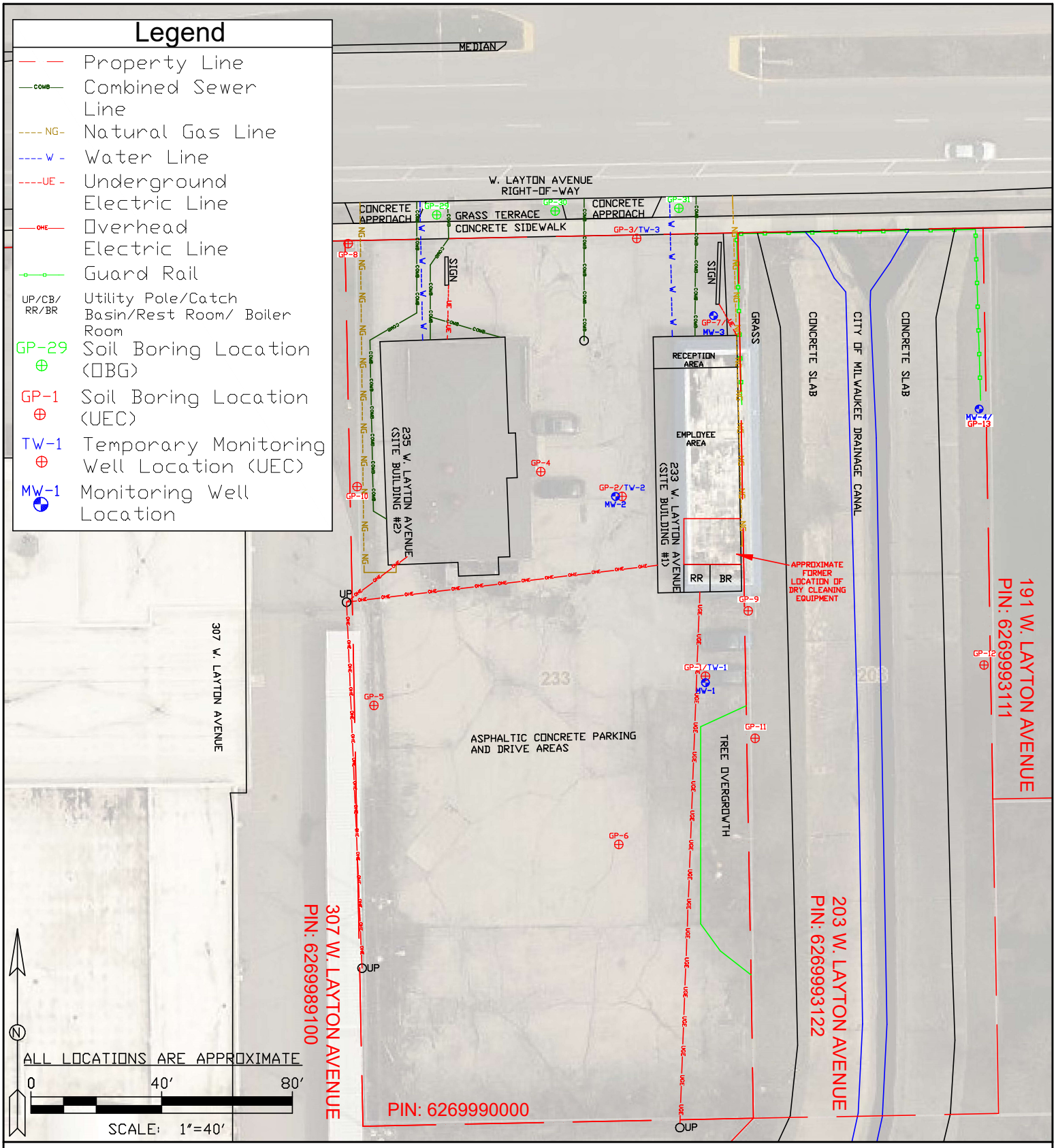

Figure 3: Soil Boring and Groundwater Monitoring Well Location Map

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

Analyte	MW-2													ES	PAL
	12/26/19	12/26/19(R)	03/18/20	3/18/20(R)	07/31/20	7/31/20(R)	10/30/20	10/30/20(R)	02/11/22	02/11/22(R)	06/10/22	6/10/22(R)	12/28/22		
Volatile Organic Compounds (VOC) (Method: SW-846 8260B / PUBL-FW-140 / SW5030)															
Acetone	<3.75	<3.75	<3.75	<3.75	<3.75	<3.75	<3.75 Q,S1	<3.75 Q,S1	<9.21	<9.21	<9.21	<9.21	<9.21Q	9000	1800
Acrolein	<6.63	<6.63	<6.63	<6.63	<6.63	<6.63	<6.63	<6.63	<1.67	<1.67	<1.67	<1.67	<1.67	-	-
Acrylonitrile	<0.742	<0.742	<0.742	<0.742	<0.742	<0.742	<0.742	<0.742	<0.628	<0.628	<0.628	<0.628	<0.628	-	-
Benzene	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.362	<0.362	<0.362	<0.362	<0.362	5	0.5
Bromodichloromethane	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.458	<0.458	<0.458	<0.458	<0.458	0.6	0.06
Bromoform	<0.254	<0.254	<0.254	<0.254	<0.254	<0.254	<0.254	<0.254	<0.570	<0.570	<0.570	<0.570	<0.570	4.4	0.44
Bromomethane	<3.30S	<3.30S	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<6.07	<6.07	<6.07	<6.07	<6.07	10	1
1-Butanol	<6.69S	<6.69S	<6.69	<6.69	<6.69	<6.69	<6.69	<6.69	<22.2	<22.2	<22.2	<22.2	<22.2	-	-
2-Butanone	<1.38	<1.38	<1.38	<1.38	<1.38	<1.38	<1.38	<1.38	<4.79	<4.79	<4.79	<4.79	<4.79Q	-	-
Carbon disulfide	<0.259	<0.259	0.620J,B	0.630J,B	<0.259	<0.259	<0.359	<0.359	<0.739	<0.739	<0.739	<0.739	<0.739	1000	200
Carbon tetrachloride	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<3.07	<3.07	<3.07	<3.07	<3.07	5	0.5
Chlorobenzene	<0.358	<0.358	<0.358	<0.358	<0.358	<0.358	<0.358	<0.358	<0.350	<0.350	<0.350	<0.350	<0.350	-	-
Chloroethane	<0.906S	<0.906S	<0.906	<0.906	<0.906	<0.906	<0.906	<0.906	<0.621	<0.621	<0.621	<0.621	<0.621	400	80
Chloroform	<0.397	<0.397	<0.397	<0.397	<0.397	<0.397	<0.397	<0.397	<0.450	<0.450	<0.450	<0.450	<0.450	6	0.6
Chloromethane	<2.23	<2.23	<2.23	<2.23	<2.23	<2.23	<2.23	<2.23	<1.30	<1.30	<1.30	<1.30	<1.30	30	3
1,2-Dibromo-3-chloropropane	<0.488S	<0.488S	<0.488	<0.488	<0.488	<0.488	<0.488	<0.488	<2.60	<2.60	<2.60	<2.60	<2.60	0.2	0.02
1,2-Dibromoethane (EDB)	<0.320	<0.320	<0.320	<0.320	<0.320	<0.320	<0.320	<0.320	<0.420	<0.420	<0.420	<0.420	<0.420	0.05	0.005
1,1-Dichloroethane	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<0.190	<0.190	<0.190	<0.190	<0.190	850	85
1,2-Dichloroethane	<0.274	<0.274	<0.274	<0.274	<0.274	<0.274	<0.274	<0.274	<0.731	<0.731	<0.731	<0.731	<0.731	5	0.5
1,1-Dichloroethene	<1.02	<1.02	<1.02	<1.02	<1.02	<1.02	<1.02	<1.02	<1.10	<1.10	<1.10	<1.10	<1.10	7	0.7
cis-1,2-Dichloroethene	<0.421	<0.421	<0.421	<0.421	<0.421	<0.421	<0.421	<0.421	<0.652	<0.652	<0.652	<0.652	5.13	70	7
trans-1,2-Dichloroethene	<0.433	<0.433	<0.433	<0.433	<0.433	<0.433	<0.433	<0.433	<0.566	<0.566	<0.566	<0.566	<0.566	100	20
1,2-Dichloropropane	<1.11	<1.11	<1.11	<1.11	<1.11	<1.11	<1.11	<1.11	<0.557	<0.557	<0.557	<0.557	<0.557	5	0.5
Dibromochloromethane	<0.492	<0.492	<0.492	<0.492	<0.492	<0.492	<0.492	<0.492	<0.632	<0.632	<0.632	<0.632	<0.632	700	140
cis-1,3-Dichloropropene	<0.278	<0.278	<0.278	<0.278	<0.278	<0.278	<0.278	<0.278	<0.408	<0.408	<0.408	<0.408	<0.408	-	-
trans-1,3-Dichloropropene	<0.314	<0.314	<0.314	<0.314	<0.314	<0.314	<0.314	<0.314	<1.17	<1.17	<1.17	<1.17	<1.17	-	-
1,3-Dichloropropene, Total	<0.592	<0.592	<0.592	<0.592	<0.592	<0.592	<0.592	<0.592	<1.48	<1.48	<1.48	<1.48	<1.48	0.4	0.04
Ethylbenzene	<0.431	<0.431	<0.431	<0.431	<0.431	<0.431	<0.431	<0.431	<0.580	<0.580	<0.580	<0.580	<0.580	700	140
2-Hexanone	<1.04	<1.04	1.80J,B	1.94J,B	<1.04	<1.04	<1.04	<1.04	<4.74	<4.74	<4.74	<4.74	<4.74	-	-
4-Methyl-2-pentanone	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<4.40	<4.40	<4.40	<4.40	<4.40	-	-
Methyl tert-Butyl ether	<0.322	<0.322	<0.322	<0.322	<0.322	<0.322	<0.322	<0.322	<0.838	<0.838	<0.838	<0.838	<0.838	60	12
Methylene chloride	<0.358	<0.358	<0.358	<0.358	<0.358	<0.358	<0.358	<0.358	<4.50	<4.50	<4.50	<4.50	<4.50	5	0.5
Styrene	<0.534	<0.534	<0.534	<0.534	<0.534	<0.534	<0.534	<0.534	<1.17	<1.17	<1.17	<1.17	<1.17	100	10
1,1,2,2-Tetrachloroethane	<0.291	<0.291	<0.291	<0.291	<0.291	<0.291	<0.291	<0.291	<0.713	<0.713	<0.713	<0.713	<0.713	0.2	0.02
Tetrachloroethene	**10.7**	**9.97**	**29.6**	**27.4**	**22.3**	**21.5**	**20.0**	**21.5**	2.53J	0.859J	**15.8**	**14.5**	**8.7**	5	0.5
1,2,4-Trimethylbenzene	<0.338	<0.338	<0.338	<0.338	<0.338	<0.338	<0.338	<0.338	<0.753	<0.753	<0.753	<0.753	<0.753	480	96
1,3,5-Trimethylbenzene	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.351	<0.351	<0.351	<0.351	<0.351		
Toluene	<0.299	<0.299	<0.299	<0.299	<0.299	<0.299	<0.299	<0.299	<0.510	<0.510	<0.510	<0.510	<0.510	800	160
1,1,1-Trichloroethane	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.719	<0.719	<0.719	<0.719	<0.719	200	40
1,1,2-Trichloroethane	<0.264	<0.264	<0.264	<0.264	<0.264	<0.264	<0.264	<0.264	<0.198	<0.198	<0.198	<0.198	<0.198	5	0.5
Trichloroethene	<0.439	<0.439	0.850J*	0.820J*	<0.439	<0.439	0.726J*	0.833J*	<0.939	<0.939	<0.939	<0.939	2.71J	5	0.5
Vinyl acetate	<1.01	<1.01	<1.01	<1.01	<1.01	<1.01	<1.01	<1.01	<0.948	<0.948	<0.948	<0.948	<0.948	-	-
Vinyl chloride	<0.316	<0.316	<0.316	<0.316	<0.316	<0.316	<0.316	<0.316	<0.582	<0.582	<0.582	<0.582	<0.582	0.2	0.02
m,p-Xylene	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	NA	NA	<1.58	<1.58	<1.58	-	-
o-Xylene	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	NA	NA	<0.660	<0.660	<0.660	-	-
Xylenes, Total	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<1.62	<1.62	<1.62	<1.62	<1.62	2000	400

Notes: All results expressed as µg/L (parts per billion)
ES NR140 Enforcement Standard (Exceedances in **bold**)
PAL NR140 Preventive Action Limit (Exceedances in underline)
- ES/PAL not established for this compound
< Compound not detected at or above the Limit Of Detection (LOD)
J 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)

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

Analyte	MW-4		ES	PAL
	12/28/22	12/28/22 (R)		
Volatile Organic Compounds (VOC) (Method: SW-846 8260B / PUBL-FW-140 / SW5030)				
Acetone	<9.21Q	<9.21Q	9000	1800
Acrolein	<1.67	<1.67	-	-
Acrylonitrile	<0.628	<0.628	-	-
Benzene	<0.362	<0.362	5	0.5
Bromodichloromethane	<0.458	<0.458	0.6	0.06
Bromoform	<0.570	<0.570	4.4	0.44
Bromomethane	<6.07	<6.07	10	1
1-Butanol	<22.2	<22.2	-	-
2-Butanone	<4.79Q	<4.79Q	-	-
Carbon disulfide	<0.739	<0.739	1000	200
Carbon tetrachloride	<3.07	<3.07	5	0.5
Chlorobenzene	<0.350	<0.350	-	-
Chloroethane	<0.621	<0.621	400	80
Chloroform	<0.450	<0.450	6	0.6
Chloromethane	<1.30	<1.30	30	3
1,2-Dibromo-3-chloropropane	<2.60	<2.60	0.2	0.02
1,2-Dibromoethane (EDB)	<0.420	<0.420	0.05	0.005
1,1-Dichloroethane	<0.190	<0.190	850	85
1,2-Dichloroethane	<0.731	<0.731	5	0.5
1,1-Dichloroethene	<1.10	<1.10	7	0.7
cis-1,2-Dichloroethene	<0.652	<0.652	70	7
trans-1,2-Dichloroethene	<0.566	<0.566	100	20
1,2-Dichloropropane	<0.557	<0.557	5	0.5
Dibromochloromethane	<0.632	<0.632	700	140
cis-1,3-Dichloropropene	<0.408	<0.408	-	-
trans-1,3-Dichloropropene	<1.17	<1.17	-	-
1,3-Dichloropropene, Total	<1.48	<1.48	0.4	0.04
Ethylbenzene	<0.580	<0.580	700	140
2-Hexanone	<4.74	<4.74	-	-
4-Methyl-2-pentanone	<4.40	<4.40	-	-
Methyl tert-Butyl ether	<0.838	<0.838	60	12
Methylene chloride	<4.50	<4.50	5	0.5
Styrene	<1.17	<1.17	100	10
1,1,2,2-Tetrachloroethane	<0.713	<0.713	0.2	0.02
Tetrachloroethene	<0.646	<0.646	5	0.5
1,2,4-Trimethylbenzene	<0.753	<0.753	480	96
1,3,5-Trimethylbenzene	<0.351	<0.351		
Toluene	<0.510	<0.510	800	160
1,1,1-Trichloroethane	<0.719	<0.719	200	40
1,1,2-Trichloroethane	<0.198	<0.198	5	0.5
Trichloroethene	<0.939	<0.939	5	0.5
Vinyl acetate	<0.948	<0.948	-	-
Vinyl chloride	<0.582	<0.582	0.2	0.02
m,p-Xylene	<1.58	<1.58	-	-
o-Xylene	<0.660	<0.660	-	-
Xylenes, Total	<1.62	<1.62	2000	400

Notes:
All results expressed as µg/L (parts per billion)
ES — NR140 Enforcement Standard (Exceedances in **bold**)
PAL — NR140 Preventive Action Limit (Exceedances in underline)
\- — ES/PAL not established for this compound
< — Compound not detected at or above the Limit Of Detection (LOD)
J — 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

January 13, 2023

Work Order: 23A0137

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,

Tim Witrzek
Federal Program Manager
847.967.6666
twitrzek@emt.com
Approved for release: 1/13/2023 12:48:02PM

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	23A0137-01	Groundwater	12/28/22 11:10	01/04/23 13:00
MW-4	23A0137-02	Groundwater	12/28/22 10:10	01/04/23 13:00
MW-4R	23A0137-03	Groundwater	12/28/22 10:21	01/04/23 13:00
Trip Blank	23A0137-04	Groundwater	01/04/23 00:00	01/04/23 13:00

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:** 01/13/2023
Project: UEC Analysis
19006
Work Order: 23A0137

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: 23A0137
The samples were received on 01/04/23 13:00. The temperature of the cooler(s) at receipt was:

Cooler	Temp C°
Default Cooler	4.6

Sample 04 (1 vial) contain larger than pea-sized (6 mm) air bubbles.

GCMS Volatiles

8260B_VOC
22A0137-01, 02, 03, 04: In the LCSD associated with the samples' batch 2-butanone and acetone exceeded RPD criteria (20% for both) at 22% and 31%. This would indicate potential greater uncertainty in the calculated value for these compounds. As there was no positive detection, the exceedances did not impact sample results.

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**

Client Sample Results

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 23A0137

Client Sample ID: MW-2
Report Date: 01/13/2023
Collection Date: 12/28/2022 11:10
Matrix: Groundwater
Lab ID: 23A0137-01

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	01/10/23 11:26	B3A0181	ZM1	1
1,1,2,2-Tetrachloroethane	< 0.713	4.00		ug/L	0.713	01/10/23 11:26	B3A0181	ZM1	1
1,1,2-Trichloroethane	< 0.198	2.00		ug/L	0.198	01/10/23 11:26	B3A0181	ZM1	1
1,1-Dichloroethane	< 0.190	2.00		ug/L	0.190	01/10/23 11:26	B3A0181	ZM1	1
1,1-Dichloroethene	< 1.10	8.00		ug/L	1.10	01/10/23 11:26	B3A0181	ZM1	1
1,2,4-Trimethylbenzene	< 0.753	4.00		ug/L	0.753	01/10/23 11:26	B3A0181	ZM1	1
1,2-Dibromo-3-chloropropane	< 2.60	20.0		ug/L	2.60	01/10/23 11:26	B3A0181	ZM1	1
1,2-Dibromoethane	< 0.420	2.00		ug/L	0.420	01/10/23 11:26	B3A0181	ZM1	1
1,2-Dichloroethane	< 0.731	4.00		ug/L	0.731	01/10/23 11:26	B3A0181	ZM1	1
1,2-Dichloropropane	< 0.557	4.00		ug/L	0.557	01/10/23 11:26	B3A0181	ZM1	1
1,3,5-Trimethylbenzene	< 0.351	2.00		ug/L	0.351	01/10/23 11:26	B3A0181	ZM1	1
1-Butanol	< 22.2	200		ug/L	22.2	01/11/23 15:56	B3A0242	ZM1	1
2-Butanone	< 4.79	28.0	Q	ug/L	4.79	01/10/23 11:26	B3A0181	ZM1	1
2-Hexanone	< 4.74	28.0		ug/L	4.74	01/10/23 11:26	B3A0181	ZM1	1
4-Methyl-2-pentanone	< 4.40	28.0		ug/L	4.40	01/10/23 11:26	B3A0181	ZM1	1
Acetone	< 9.21	70.0	Q	ug/L	9.21	01/10/23 11:26	B3A0181	ZM1	1
Acrolein	< 1.67	10.0		ug/L	1.67	01/09/23 16:26	B3A0219	KS1	1
Acrylonitrile	< 0.628	4.00		ug/L	0.628	01/10/23 11:26	B3A0181	ZM1	1
Benzene	< 0.362	2.00		ug/L	0.362	01/10/23 11:26	B3A0181	ZM1	1
Bromodichloromethane	< 0.458	2.00		ug/L	0.458	01/10/23 11:26	B3A0181	ZM1	1
Bromoform	< 0.570	4.00		ug/L	0.570	01/10/23 11:26	B3A0181	ZM1	1
Bromomethane	< 6.07	40.0		ug/L	6.07	01/10/23 11:26	B3A0181	ZM1	1
Carbon disulfide	< 0.739	4.00		ug/L	0.739	01/10/23 11:26	B3A0181	ZM1	1
Carbon tetrachloride	< 3.07	20.0		ug/L	3.07	01/10/23 11:26	B3A0181	ZM1	1
Chlorobenzene	< 0.350	2.00		ug/L	0.350	01/10/23 11:26	B3A0181	ZM1	1
Chloroethane	< 0.621	4.00		ug/L	0.621	01/10/23 11:26	B3A0181	ZM1	1
Chloroform	< 0.450	4.00		ug/L	0.450	01/10/23 11:26	B3A0181	ZM1	1
Chloromethane	< 1.30	8.00		ug/L	1.30	01/10/23 11:26	B3A0181	ZM1	1
cis-1,2-Dichloroethene	**5.13**	4.00		ug/L	0.652	01/10/23 11:26	B3A0181	ZM1	1
cis-1,3-Dichloropropene	< 0.408	4.00		ug/L	0.408	01/10/23 11:26	B3A0181	ZM1	1
Dibromochloromethane	< 0.632	4.00		ug/L	0.632	01/10/23 11:26	B3A0181	ZM1	1
Ethylbenzene	< 0.580	4.00		ug/L	0.580	01/10/23 11:26	B3A0181	ZM1	1
m,p-Xylene	< 1.58	8.00		ug/L	1.58	01/10/23 11:26	B3A0181	ZM1	1
Methyl tert-butyl ether	< 0.838	4.00		ug/L	0.838	01/10/23 11:26	B3A0181	ZM1	1
Methylene chloride	< 4.50	20.0		ug/L	4.50	01/10/23 11:26	B3A0181	ZM1	1
Naphthalene	< 4.82	20.0		ug/L	4.82	01/10/23 11:26	B3A0181	ZM1	1
o-Xylene	< 0.660	4.00		ug/L	0.660	01/10/23 11:26	B3A0181	ZM1	1
Styrene	< 1.17	8.00		ug/L	1.17	01/10/23 11:26	B3A0181	ZM1	1
Tetrachloroethene	**8.66**	4.00		ug/L	0.646	01/10/23 11:26	B3A0181	ZM1	1
Toluene	< 0.510	4.00		ug/L	0.510	01/10/23 11:26	B3A0181	ZM1	1
trans-1,2-Dichloroethene	< 0.566	4.00		ug/L	0.566	01/10/23 11:26	B3A0181	ZM1	1
trans-1,3-Dichloropropene	< 1.17	8.00		ug/L	1.17	01/10/23 11:26	B3A0181	ZM1	1
Trichloroethene	**2.71**	4.00	J	ug/L	0.939	01/10/23 11:26	B3A0181	ZM1	1
Vinyl acetate	< 0.948	4.00		ug/L	0.948	01/10/23 11:26	B3A0181	ZM1	1
Vinyl chloride	< 0.582	4.00		ug/L	0.582	01/10/23 11:26	B3A0181	ZM1	1

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 19006
Work Order: 23A0137

Client Sample ID: MW-2
Report Date: 01/13/2023
Collection Date: 12/28/2022 11:10
Matrix: Groundwater
Lab ID: 23A0137-01 (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	01/10/23 11:26	B3A0181	ZM1	1
1,3-Dichloropropene, Total	< 1.48	8.00		ug/L	1.48	01/10/23 11:26	B3A0181	ZM1	1
Surrogate: Dibromofluoromethane				*Recovery: 97%*	*Limits: 84-137*	*01/10/23 11:26*	*B3A0181*	*ZM1*	*1*
Surrogate: 1,2-Dichloroethane-d4				*Recovery: 101%*	*Limits: 74-140*	*01/10/23 11:26*	*B3A0181*	*ZM1*	*1*
Surrogate: Fluorobenzene				*Recovery: 101%*	*Limits: 90-105*	*01/10/23 11:26*	*B3A0181*	*ZM1*	*1*
Surrogate: Toluene-d8				*Recovery: 96%*	*Limits: 74-109*	*01/10/23 11:26*	*B3A0181*	*ZM1*	*1*
Surrogate: 4-Bromofluorobenzene				*Recovery: 97%*	*Limits: 86-128*	*01/10/23 11:26*	*B3A0181*	*ZM1*	*1*
Surrogate: 1,2-Dichlorobenzene-d4				*Recovery: 97%*	*Limits: 90-128*	*01/10/23 11:26*	*B3A0181*	*ZM1*	*1*

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 19006
Work Order: 23A0137

Client Sample ID: MW-4
Report Date: 01/13/2023
Collection Date: 12/28/2022 10:10
Matrix: Groundwater
Lab ID: 23A0137-02

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	01/10/23 11:52	B3A0181	ZM1	1
1,1,2,2-Tetrachloroethane	< 0.713	4.00		ug/L	0.713	01/10/23 11:52	B3A0181	ZM1	1
1,1,2-Trichloroethane	< 0.198	2.00		ug/L	0.198	01/10/23 11:52	B3A0181	ZM1	1
1,1-Dichloroethane	< 0.190	2.00		ug/L	0.190	01/10/23 11:52	B3A0181	ZM1	1
1,1-Dichloroethene	< 1.10	8.00		ug/L	1.10	01/10/23 11:52	B3A0181	ZM1	1
1,2,4-Trimethylbenzene	< 0.753	4.00		ug/L	0.753	01/10/23 11:52	B3A0181	ZM1	1
1,2-Dibromo-3-chloropropane	< 2.60	20.0		ug/L	2.60	01/10/23 11:52	B3A0181	ZM1	1
1,2-Dibromoethane	< 0.420	2.00		ug/L	0.420	01/10/23 11:52	B3A0181	ZM1	1
1,2-Dichloroethane	< 0.731	4.00		ug/L	0.731	01/10/23 11:52	B3A0181	ZM1	1
1,2-Dichloropropane	< 0.557	4.00		ug/L	0.557	01/10/23 11:52	B3A0181	ZM1	1
1,3,5-Trimethylbenzene	< 0.351	2.00		ug/L	0.351	01/10/23 11:52	B3A0181	ZM1	1
1-Butanol	< 22.2	200		ug/L	22.2	01/11/23 16:21	B3A0242	ZM1	1
2-Butanone	< 4.79	28.0	Q	ug/L	4.79	01/10/23 11:52	B3A0181	ZM1	1
2-Hexanone	< 4.74	28.0		ug/L	4.74	01/10/23 11:52	B3A0181	ZM1	1
4-Methyl-2-pentanone	< 4.40	28.0		ug/L	4.40	01/10/23 11:52	B3A0181	ZM1	1
Acetone	< 9.21	70.0	Q	ug/L	9.21	01/10/23 11:52	B3A0181	ZM1	1
Acrolein	< 1.67	10.0		ug/L	1.67	01/09/23 16:51	B3A0219	KS1	1
Acrylonitrile	< 0.628	4.00		ug/L	0.628	01/10/23 11:52	B3A0181	ZM1	1
Benzene	< 0.362	2.00		ug/L	0.362	01/10/23 11:52	B3A0181	ZM1	1
Bromodichloromethane	< 0.458	2.00		ug/L	0.458	01/10/23 11:52	B3A0181	ZM1	1
Bromoform	< 0.570	4.00		ug/L	0.570	01/10/23 11:52	B3A0181	ZM1	1
Bromomethane	< 6.07	40.0		ug/L	6.07	01/10/23 11:52	B3A0181	ZM1	1
Carbon disulfide	< 0.739	4.00		ug/L	0.739	01/10/23 11:52	B3A0181	ZM1	1
Carbon tetrachloride	< 3.07	20.0		ug/L	3.07	01/10/23 11:52	B3A0181	ZM1	1
Chlorobenzene	< 0.350	2.00		ug/L	0.350	01/10/23 11:52	B3A0181	ZM1	1
Chloroethane	< 0.621	4.00		ug/L	0.621	01/10/23 11:52	B3A0181	ZM1	1
Chloroform	< 0.450	4.00		ug/L	0.450	01/10/23 11:52	B3A0181	ZM1	1
Chloromethane	< 1.30	8.00		ug/L	1.30	01/10/23 11:52	B3A0181	ZM1	1
cis-1,2-Dichloroethene	< 0.652	4.00		ug/L	0.652	01/10/23 11:52	B3A0181	ZM1	1
cis-1,3-Dichloropropene	< 0.408	4.00		ug/L	0.408	01/10/23 11:52	B3A0181	ZM1	1
Dibromochloromethane	< 0.632	4.00		ug/L	0.632	01/10/23 11:52	B3A0181	ZM1	1
Ethylbenzene	< 0.580	4.00		ug/L	0.580	01/10/23 11:52	B3A0181	ZM1	1
m,p-Xylene	< 1.58	8.00		ug/L	1.58	01/10/23 11:52	B3A0181	ZM1	1
Methyl tert-butyl ether	< 0.838	4.00		ug/L	0.838	01/10/23 11:52	B3A0181	ZM1	1
Methylene chloride	< 4.50	20.0		ug/L	4.50	01/10/23 11:52	B3A0181	ZM1	1
Naphthalene	< 4.82	20.0		ug/L	4.82	01/10/23 11:52	B3A0181	ZM1	1
o-Xylene	< 0.660	4.00		ug/L	0.660	01/10/23 11:52	B3A0181	ZM1	1
Styrene	< 1.17	8.00		ug/L	1.17	01/10/23 11:52	B3A0181	ZM1	1
Tetrachloroethene	< 0.646	4.00		ug/L	0.646	01/10/23 11:52	B3A0181	ZM1	1
Toluene	< 0.510	4.00		ug/L	0.510	01/10/23 11:52	B3A0181	ZM1	1
trans-1,2-Dichloroethene	< 0.566	4.00		ug/L	0.566	01/10/23 11:52	B3A0181	ZM1	1
trans-1,3-Dichloropropene	< 1.17	8.00		ug/L	1.17	01/10/23 11:52	B3A0181	ZM1	1
Trichloroethene	< 0.939	4.00		ug/L	0.939	01/10/23 11:52	B3A0181	ZM1	1
Vinyl acetate	< 0.948	4.00		ug/L	0.948	01/10/23 11:52	B3A0181	ZM1	1
Vinyl chloride	< 0.582	4.00		ug/L	0.582	01/10/23 11:52	B3A0181	ZM1	1

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 19006
Work Order: 23A0137

Client Sample ID: MW-4
Report Date: 01/13/2023
Collection Date: 12/28/2022 10:10
Matrix: Groundwater
Lab ID: 23A0137-02 (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	01/10/23 11:52	B3A0181	ZM1	1
1,3-Dichloropropene, Total	< 1.48	8.00		ug/L	1.48	01/10/23 11:52	B3A0181	ZM1	1
Surrogate: Dibromofluoromethane				*Recovery: 98%*	*Limits: 84-137*	*01/10/23 11:52*	*B3A0181*	*ZM1*	*1*
Surrogate: 1,2-Dichloroethane-d4				*Recovery: 101%*	*Limits: 74-140*	*01/10/23 11:52*	*B3A0181*	*ZM1*	*1*
Surrogate: Fluorobenzene				*Recovery: 100%*	*Limits: 90-105*	*01/10/23 11:52*	*B3A0181*	*ZM1*	*1*
Surrogate: Toluene-d8				*Recovery: 100%*	*Limits: 74-109*	*01/10/23 11:52*	*B3A0181*	*ZM1*	*1*
Surrogate: 4-Bromofluorobenzene				*Recovery: 100%*	*Limits: 86-128*	*01/10/23 11:52*	*B3A0181*	*ZM1*	*1*
Surrogate: 1,2-Dichlorobenzene-d4				*Recovery: 100%*	*Limits: 90-128*	*01/10/23 11:52*	*B3A0181*	*ZM1*	*1*

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 19006
Work Order: 23A0137

Client Sample ID: MW-4R
Report Date: 01/13/2023
Collection Date: 12/28/2022 10:21
Matrix: Groundwater
Lab ID: 23A0137-03

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	01/10/23 12:19	B3A0181	ZM1	1
1,1,2,2-Tetrachloroethane	< 0.713	4.00		ug/L	0.713	01/10/23 12:19	B3A0181	ZM1	1
1,1,2-Trichloroethane	< 0.198	2.00		ug/L	0.198	01/10/23 12:19	B3A0181	ZM1	1
1,1-Dichloroethane	< 0.190	2.00		ug/L	0.190	01/10/23 12:19	B3A0181	ZM1	1
1,1-Dichloroethene	< 1.10	8.00		ug/L	1.10	01/10/23 12:19	B3A0181	ZM1	1
1,2,4-Trimethylbenzene	< 0.753	4.00		ug/L	0.753	01/10/23 12:19	B3A0181	ZM1	1
1,2-Dibromo-3-chloropropane	< 2.60	20.0		ug/L	2.60	01/10/23 12:19	B3A0181	ZM1	1
1,2-Dibromoethane	< 0.420	2.00		ug/L	0.420	01/10/23 12:19	B3A0181	ZM1	1
1,2-Dichloroethane	< 0.731	4.00		ug/L	0.731	01/10/23 12:19	B3A0181	ZM1	1
1,2-Dichloropropane	< 0.557	4.00		ug/L	0.557	01/10/23 12:19	B3A0181	ZM1	1
1,3,5-Trimethylbenzene	< 0.351	2.00		ug/L	0.351	01/10/23 12:19	B3A0181	ZM1	1
1-Butanol	< 22.2	200		ug/L	22.2	01/11/23 16:46	B3A0242	ZM1	1
2-Butanone	< 4.79	28.0	Q	ug/L	4.79	01/10/23 12:19	B3A0181	ZM1	1
2-Hexanone	< 4.74	28.0		ug/L	4.74	01/10/23 12:19	B3A0181	ZM1	1
4-Methyl-2-pentanone	< 4.40	28.0		ug/L	4.40	01/10/23 12:19	B3A0181	ZM1	1
Acetone	< 9.21	70.0	Q	ug/L	9.21	01/10/23 12:19	B3A0181	ZM1	1
Acrolein	< 1.67	10.0		ug/L	1.67	01/09/23 17:16	B3A0219	KS1	1
Acrylonitrile	< 0.628	4.00		ug/L	0.628	01/10/23 12:19	B3A0181	ZM1	1
Benzene	< 0.362	2.00		ug/L	0.362	01/10/23 12:19	B3A0181	ZM1	1
Bromodichloromethane	< 0.458	2.00		ug/L	0.458	01/10/23 12:19	B3A0181	ZM1	1
Bromoform	< 0.570	4.00		ug/L	0.570	01/10/23 12:19	B3A0181	ZM1	1
Bromomethane	< 6.07	40.0		ug/L	6.07	01/10/23 12:19	B3A0181	ZM1	1
Carbon disulfide	< 0.739	4.00		ug/L	0.739	01/10/23 12:19	B3A0181	ZM1	1
Carbon tetrachloride	< 3.07	20.0		ug/L	3.07	01/10/23 12:19	B3A0181	ZM1	1
Chlorobenzene	< 0.350	2.00		ug/L	0.350	01/10/23 12:19	B3A0181	ZM1	1
Chloroethane	< 0.621	4.00		ug/L	0.621	01/10/23 12:19	B3A0181	ZM1	1
Chloroform	< 0.450	4.00		ug/L	0.450	01/10/23 12:19	B3A0181	ZM1	1
Chloromethane	< 1.30	8.00		ug/L	1.30	01/10/23 12:19	B3A0181	ZM1	1
cis-1,2-Dichloroethene	< 0.652	4.00		ug/L	0.652	01/10/23 12:19	B3A0181	ZM1	1
cis-1,3-Dichloropropene	< 0.408	4.00		ug/L	0.408	01/10/23 12:19	B3A0181	ZM1	1
Dibromochloromethane	< 0.632	4.00		ug/L	0.632	01/10/23 12:19	B3A0181	ZM1	1
Ethylbenzene	< 0.580	4.00		ug/L	0.580	01/10/23 12:19	B3A0181	ZM1	1
m,p-Xylene	< 1.58	8.00		ug/L	1.58	01/10/23 12:19	B3A0181	ZM1	1
Methyl tert-butyl ether	< 0.838	4.00		ug/L	0.838	01/10/23 12:19	B3A0181	ZM1	1
Methylene chloride	< 4.50	20.0		ug/L	4.50	01/10/23 12:19	B3A0181	ZM1	1
Naphthalene	< 4.82	20.0		ug/L	4.82	01/10/23 12:19	B3A0181	ZM1	1
o-Xylene	< 0.660	4.00		ug/L	0.660	01/10/23 12:19	B3A0181	ZM1	1
Styrene	< 1.17	8.00		ug/L	1.17	01/10/23 12:19	B3A0181	ZM1	1
Tetrachloroethene	< 0.646	4.00		ug/L	0.646	01/10/23 12:19	B3A0181	ZM1	1
Toluene	< 0.510	4.00		ug/L	0.510	01/10/23 12:19	B3A0181	ZM1	1
trans-1,2-Dichloroethene	< 0.566	4.00		ug/L	0.566	01/10/23 12:19	B3A0181	ZM1	1
trans-1,3-Dichloropropene	< 1.17	8.00		ug/L	1.17	01/10/23 12:19	B3A0181	ZM1	1
Trichloroethene	< 0.939	4.00		ug/L	0.939	01/10/23 12:19	B3A0181	ZM1	1
Vinyl acetate	< 0.948	4.00		ug/L	0.948	01/10/23 12:19	B3A0181	ZM1	1
Vinyl chloride	< 0.582	4.00		ug/L	0.582	01/10/23 12:19	B3A0181	ZM1	1

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 19006
Work Order: 23A0137

Client Sample ID: MW-4R
Report Date: 01/13/2023
Collection Date: 12/28/2022 10:21
Matrix: Groundwater
Lab ID: 23A0137-03 (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	01/10/23 12:19	B3A0181	ZM1	1
1,3-Dichloropropene, Total	< 1.48	8.00		ug/L	1.48	01/10/23 12:19	B3A0181	ZM1	1
Surrogate: Dibromofluoromethane				*Recovery: 98%*	*Limits: 84-137*	*01/10/23 12:19*	*B3A0181*	*ZM1*	*1*
Surrogate: 1,2-Dichloroethane-d4				*Recovery: 100%*	*Limits: 74-140*	*01/10/23 12:19*	*B3A0181*	*ZM1*	*1*
Surrogate: Fluorobenzene				*Recovery: 99%*	*Limits: 90-105*	*01/10/23 12:19*	*B3A0181*	*ZM1*	*1*
Surrogate: Toluene-d8				*Recovery: 100%*	*Limits: 74-109*	*01/10/23 12:19*	*B3A0181*	*ZM1*	*1*
Surrogate: 4-Bromofluorobenzene				*Recovery: 102%*	*Limits: 86-128*	*01/10/23 12:19*	*B3A0181*	*ZM1*	*1*
Surrogate: 1,2-Dichlorobenzene-d4				*Recovery: 101%*	*Limits: 90-128*	*01/10/23 12:19*	*B3A0181*	*ZM1*	*1*

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 23A0137

Client Sample ID: Trip Blank
Report Date: 01/13/2023
Collection Date: 01/04/2023 00:00
Matrix: Groundwater
Lab ID: 23A0137-04

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	01/10/23 10:33	B3A0181	ZM1	1
1,1,2,2-Tetrachloroethane	< 0.713	4.00		ug/L	0.713	01/10/23 10:33	B3A0181	ZM1	1
1,1,2-Trichloroethane	< 0.198	2.00		ug/L	0.198	01/10/23 10:33	B3A0181	ZM1	1
1,1-Dichloroethane	< 0.190	2.00		ug/L	0.190	01/10/23 10:33	B3A0181	ZM1	1
1,1-Dichloroethene	< 1.10	8.00		ug/L	1.10	01/10/23 10:33	B3A0181	ZM1	1
1,2,4-Trimethylbenzene	< 0.753	4.00		ug/L	0.753	01/10/23 10:33	B3A0181	ZM1	1
1,2-Dibromo-3-chloropropane	< 2.60	20.0		ug/L	2.60	01/10/23 10:33	B3A0181	ZM1	1
1,2-Dibromoethane	< 0.420	2.00		ug/L	0.420	01/10/23 10:33	B3A0181	ZM1	1
1,2-Dichloroethane	< 0.731	4.00		ug/L	0.731	01/10/23 10:33	B3A0181	ZM1	1
1,2-Dichloropropane	< 0.557	4.00		ug/L	0.557	01/10/23 10:33	B3A0181	ZM1	1
1,3,5-Trimethylbenzene	< 0.351	2.00		ug/L	0.351	01/10/23 10:33	B3A0181	ZM1	1
1-Butanol	< 22.2	200		ug/L	22.2	01/11/23 15:31	B3A0242	ZM1	1
2-Butanone	< 4.79	28.0	Q	ug/L	4.79	01/10/23 10:33	B3A0181	ZM1	1
2-Hexanone	< 4.74	28.0		ug/L	4.74	01/10/23 10:33	B3A0181	ZM1	1
4-Methyl-2-pentanone	< 4.40	28.0		ug/L	4.40	01/10/23 10:33	B3A0181	ZM1	1
Acetone	< 9.21	70.0	Q	ug/L	9.21	01/10/23 10:33	B3A0181	ZM1	1
Acrolein	< 1.67	10.0		ug/L	1.67	01/09/23 16:01	B3A0219	KS1	1
Acrylonitrile	< 0.628	4.00		ug/L	0.628	01/10/23 10:33	B3A0181	ZM1	1
Benzene	< 0.362	2.00		ug/L	0.362	01/10/23 10:33	B3A0181	ZM1	1
Bromodichloromethane	< 0.458	2.00		ug/L	0.458	01/10/23 10:33	B3A0181	ZM1	1
Bromoform	< 0.570	4.00		ug/L	0.570	01/10/23 10:33	B3A0181	ZM1	1
Bromomethane	< 6.07	40.0		ug/L	6.07	01/10/23 10:33	B3A0181	ZM1	1
Carbon disulfide	< 0.739	4.00		ug/L	0.739	01/10/23 10:33	B3A0181	ZM1	1
Carbon tetrachloride	< 3.07	20.0		ug/L	3.07	01/10/23 10:33	B3A0181	ZM1	1
Chlorobenzene	< 0.350	2.00		ug/L	0.350	01/10/23 10:33	B3A0181	ZM1	1
Chloroethane	< 0.621	4.00		ug/L	0.621	01/10/23 10:33	B3A0181	ZM1	1
Chloroform	< 0.450	4.00		ug/L	0.450	01/10/23 10:33	B3A0181	ZM1	1
Chloromethane	< 1.30	8.00		ug/L	1.30	01/10/23 10:33	B3A0181	ZM1	1
cis-1,2-Dichloroethene	< 0.652	4.00		ug/L	0.652	01/10/23 10:33	B3A0181	ZM1	1
cis-1,3-Dichloropropene	< 0.408	4.00		ug/L	0.408	01/10/23 10:33	B3A0181	ZM1	1
Dibromochloromethane	< 0.632	4.00		ug/L	0.632	01/10/23 10:33	B3A0181	ZM1	1
Ethylbenzene	< 0.580	4.00		ug/L	0.580	01/10/23 10:33	B3A0181	ZM1	1
m,p-Xylene	< 1.58	8.00		ug/L	1.58	01/10/23 10:33	B3A0181	ZM1	1
Methyl tert-butyl ether	< 0.838	4.00		ug/L	0.838	01/10/23 10:33	B3A0181	ZM1	1
Methylene chloride	< 4.50	20.0		ug/L	4.50	01/10/23 10:33	B3A0181	ZM1	1
Naphthalene	< 4.82	20.0		ug/L	4.82	01/10/23 10:33	B3A0181	ZM1	1
o-Xylene	< 0.660	4.00		ug/L	0.660	01/10/23 10:33	B3A0181	ZM1	1
Styrene	< 1.17	8.00		ug/L	1.17	01/10/23 10:33	B3A0181	ZM1	1
Tetrachloroethene	< 0.646	4.00		ug/L	0.646	01/10/23 10:33	B3A0181	ZM1	1
Toluene	< 0.510	4.00		ug/L	0.510	01/10/23 10:33	B3A0181	ZM1	1
trans-1,2-Dichloroethene	< 0.566	4.00		ug/L	0.566	01/10/23 10:33	B3A0181	ZM1	1
trans-1,3-Dichloropropene	< 1.17	8.00		ug/L	1.17	01/10/23 10:33	B3A0181	ZM1	1
Trichloroethene	< 0.939	4.00		ug/L	0.939	01/10/23 10:33	B3A0181	ZM1	1
Vinyl acetate	< 0.948	4.00		ug/L	0.948	01/10/23 10:33	B3A0181	ZM1	1
Vinyl chloride	< 0.582	4.00		ug/L	0.582	01/10/23 10:33	B3A0181	ZM1	1

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 19006
Work Order: 23A0137

Client Sample ID: Trip Blank
Report Date: 01/13/2023
Collection Date: 01/04/2023 00:00
Matrix: Groundwater
Lab ID: 23A0137-04 (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	01/10/23 10:33	B3A0181	ZM1	1
1,3-Dichloropropene, Total	< 1.48	8.00		ug/L	1.48	01/10/23 10:33	B3A0181	ZM1	1
Surrogate: Dibromofluoromethane				*Recovery: 99%*	*Limits: 84-137*	*01/10/23 10:33*	*B3A0181*	*ZM1*	*1*
Surrogate: 1,2-Dichloroethane-d4				*Recovery: 99%*	*Limits: 74-140*	*01/10/23 10:33*	*B3A0181*	*ZM1*	*1*
Surrogate: Fluorobenzene				*Recovery: 97%*	*Limits: 90-105*	*01/10/23 10:33*	*B3A0181*	*ZM1*	*1*
Surrogate: Toluene-d8				*Recovery: 100%*	*Limits: 74-109*	*01/10/23 10:33*	*B3A0181*	*ZM1*	*1*
Surrogate: 4-Bromofluorobenzene				*Recovery: 102%*	*Limits: 86-128*	*01/10/23 10:33*	*B3A0181*	*ZM1*	*1*
Surrogate: 1,2-Dichlorobenzene-d4				*Recovery: 103%*	*Limits: 90-128*	*01/10/23 10:33*	*B3A0181*	*ZM1*	*1*

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Dates Report

Client: United Engineering Consultants, Inc.
Report Date: 01/13/2023
Project: UEC Analysis
19006
Work Order: 23A0137

Sample ID	Client Sample ID	Collection	Matrix	Test Name	Leached Prep Date	Prep Date	Analysis Date	Batch ID	Sequence
23A0137-01	MW-2	12/28/22	Groundwater	Volatile Organic Compounds by GC/MS		01/09/23 14:02	01/10/23 11:26	B3A0181	S3A0106
				Volatile Organic Compounds by GC/MS		01/09/23 15:50	01/09/23 16:26	B3A0219	S3A0113
				Volatile Organic Compounds by GC/MS		01/11/23 11:57	01/11/23 15:56	B3A0242	S3A0132
23A0137-02	MW-4	12/28/22		Volatile Organic Compounds by GC/MS		01/09/23 14:02	01/10/23 11:52	B3A0181	S3A0106
				Volatile Organic Compounds by GC/MS		01/09/23 15:50	01/09/23 16:51	B3A0219	S3A0113
				Volatile Organic Compounds by GC/MS		01/11/23 11:57	01/11/23 16:21	B3A0242	S3A0132
23A0137-03	MW-4R	12/28/22		Volatile Organic Compounds by GC/MS		01/09/23 14:02	01/10/23 12:19	B3A0181	S3A0106
				Volatile Organic Compounds by GC/MS		01/09/23 15:50	01/09/23 17:16	B3A0219	S3A0113
				Volatile Organic Compounds by GC/MS		01/11/23 11:57	01/11/23 16:46	B3A0242	S3A0132
23A0137-04	Trip Blank	01/04/23		Volatile Organic Compounds by GC/MS		01/09/23 14:02	01/10/23 10:33	B3A0181	S3A0106
				Volatile Organic Compounds by GC/MS		01/09/23 15:50	01/09/23 16:01	B3A0219	S3A0113
				Volatile Organic Compounds by GC/MS		01/11/23 11:57	01/11/23 15:31	B3A0242	S3A0132

Environmental Monitoring and Technologies, Inc.

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Quality Control

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 23A0137

Report Date: 01/13/2023
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: B3A0181 - SW5030											
Blank (B3A0181-BLK1)				*Prepared: 01/09/2023 14:02 Analyzed: 01/10/2023 10:07*							
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: 23A0137

Report Date: 01/13/2023
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: B3A0181 - SW5030 *(Continued)*											
Blank (B3A0181-BLK1) (Continued)				*Prepared: 01/09/2023 14:02*			*Analyzed: 01/10/2023 10:07*				
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	*19.9*		*ug/L*	*20.00*		*100*	*84-137*				1
Surrogate: 1,2-Dichloroethane-d4	*19.6*		*ug/L*	*20.00*		*98*	*74-140*				1
Surrogate: Fluorobenzene	*19.9*		*ug/L*	*20.00*		*99*	*90-105*				1
Surrogate: Toluene-d8	*20.1*		*ug/L*	*20.00*		*101*	*74-109*				1
Surrogate: 4-Bromofluorobenzene	*10.3*		*ug/L*	*10.00*		*103*	*86-128*				1
Surrogate: 1,2-Dichlorobenzene-d4	*19.9*		*ug/L*	*20.00*		*100*	*90-128*				1
LCS (B3A0181-BS1)				*Prepared: 01/09/2023 14:02*			*Analyzed: 01/10/2023 11:00*				
1,1,1-Trichloroethane	51.7	4.00	ug/L	50.00		103	74-131				1
1,1,2,2-Tetrachloroethane	49.4	4.00	ug/L	50.00		99	71-121				1
1,1,2-Trichloroethane	51.7	2.00	ug/L	50.00		103	83-139				1
1,1-Dichloroethane	51.9	2.00	ug/L	50.00		104	77-125				1
1,1-Dichloroethene	54.5	8.00	ug/L	50.00		109	71-131				1
1,2,4-Trimethylbenzene	55.5	4.00	ug/L	50.00		111	76-124				1
1,2-Dibromo-3-chloropropane	43.0	20.0	ug/L	50.00		86	72-124				1
1,2-Dibromoethane	49.6	2.00	ug/L	50.00		99	77-121				1
1,2-Dichloroethane	51.8	4.00	ug/L	50.00		104	73-128				1
1,2-Dichloropropane	50.3	4.00	ug/L	50.00		101	78-122				1
1,3,5-Trimethylbenzene	54.9	2.00	ug/L	50.00		110	75-124				1
1-Butanol	233	200	ug/L	500.0		47	70-130				1
2-Butanone	151	28.0	ug/L	175.0		86	70-137				1
2-Hexanone	165	28.0	ug/L	175.0		94	57-139				1
4-Methyl-2-pentanone	168	28.0	ug/L	175.0		96	67-130				1
Acetone	123	70.0	ug/L	175.0		70	39-160				1
Acrolein	64.9	10.0	ug/L	125.0		52	78-146				1
Acrylonitrile	42.5	4.00	ug/L	50.00		85	63-135				1
Benzene	51.0	2.00	ug/L	50.00		102	79-120				1
Bromodichloromethane	51.3	2.00	ug/L	50.00		103	84-139				1
Bromoform	48.7	4.00	ug/L	50.00		97	66-130				1
Bromomethane	48.8	40.0	ug/L	50.00		98	56-150				1
Carbon disulfide	47.9	4.00	ug/L	50.00		96	80-124				1
Carbon tetrachloride	50.9	20.0	ug/L	50.00		102	75-134				1
Chlorobenzene	52.9	2.00	ug/L	50.00		106	82-118				1
Chloroethane	52.0	4.00	ug/L	50.00		104	60-138				1
Chloroform	52.0	4.00	ug/L	50.00		104	79-124				1
Chloromethane	50.6	8.00	ug/L	50.00		101	50-139				1
cis-1,2-Dichloroethene	51.7	4.00	ug/L	50.00		103	78-123				1

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Quality Control
(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 23A0137

Report Date: 01/13/2023
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: B3A0181 - SW5030 *(Continued)*											
LCS (B3A0181-BS1) (Continued)				*Prepared: 01/09/2023 14:02*			*Analyzed: 01/10/2023 11:00*				
cis-1,3-Dichloropropene	50.9	4.00	ug/L	50.00		102	75-124				1
Dibromochloromethane	52.6	4.00	ug/L	50.00		105	83-140				1
Ethylbenzene	53.3	4.00	ug/L	50.00		107	79-137				1
m,p-Xylene	109	8.00	ug/L	100.0		109	80-136				1
Methyl tert-butyl ether	49.4	4.00	ug/L	50.00		99	71-124				1
Methylene chloride	52.0	20.0	ug/L	50.00		104	74-124				1
Naphthalene	46.3	20.0	ug/L	50.00		93	82-128				1
o-Xylene	52.0	4.00	ug/L	50.00		104	78-122				1
Styrene	51.9	8.00	ug/L	50.00		104	78-123				1
Tetrachloroethene	53.7	4.00	ug/L	50.00		107	74-129				1
Toluene	52.6	4.00	ug/L	50.00		105	80-133				1
trans-1,2-Dichloroethene	51.6	4.00	ug/L	50.00		103	75-124				1
trans-1,3-Dichloropropene	48.9	8.00	ug/L	50.00		98	73-127				1
Trichloroethene	50.4	4.00	ug/L	50.00		101	84-129				1
Vinyl acetate	50.1	4.00	ug/L	50.00		100	76-133				1
Vinyl chloride	51.8	4.00	ug/L	50.00		104	58-137				1
Xylenes, Total	161	12.0	ug/L	150.0		108	80-132				1
1,3-Dichloropropene, Total	99.8	8.00	ug/L	100.0		100	77-123				1
Surrogate: Dibromofluoromethane	*20.7*		*ug/L*	*20.00*		*103*	*84-137*				1
Surrogate: 1,2-Dichloroethane-d4	*20.5*		*ug/L*	*20.00*		*102*	*74-140*				1
Surrogate: Fluorobenzene	*20.1*		*ug/L*	*20.00*		*101*	*90-105*				1
Surrogate: Toluene-d8	*20.4*		*ug/L*	*20.00*		*102*	*74-109*				1
Surrogate: 4-Bromofluorobenzene	*9.98*		*ug/L*	*10.00*		*100*	*86-128*				1
Surrogate: 1,2-Dichlorobenzene-d4	*20.1*		*ug/L*	*20.00*		*101*	*90-128*				1
LCS Dup (B3A0181-BSD1)				*Prepared: 01/09/2023 14:02*			*Analyzed: 01/10/2023 09:14*				
1,1,1-Trichloroethane	51.1	4.00	ug/L	50.00		102	74-131	1	20		1
1,1,2,2-Tetrachloroethane	57.9	4.00	ug/L	50.00		116	71-121	16	20		1
1,1,2-Trichloroethane	51.5	2.00	ug/L	50.00		103	83-139	0.4	20		1
1,1-Dichloroethane	52.0	2.00	ug/L	50.00		104	77-125	0.02	20		1
1,1-Dichloroethene	53.2	8.00	ug/L	50.00		106	71-131	2	20		1
1,2,4-Trimethylbenzene	55.5	4.00	ug/L	50.00		111	76-124	0.06	20		1
1,2-Dibromo-3-chloropropane	51.6	20.0	ug/L	50.00		103	72-124	18	20		1
1,2-Dibromoethane	50.5	2.00	ug/L	50.00		101	77-121	2	20		1
1,2-Dichloroethane	52.4	4.00	ug/L	50.00		105	73-128	1	20		1
1,2-Dichloropropane	50.1	4.00	ug/L	50.00		100	78-122	0.3	20		1
1,3,5-Trimethylbenzene	55.3	2.00	ug/L	50.00		111	75-124	0.9	20		1
1-Butanol	494	200	ug/L	500.0		99	70-130	72	20	P	1
2-Butanone	189	28.0	ug/L	175.0		108	70-137	22	20	P	1
2-Hexanone	193	28.0	ug/L	175.0		110	57-139	16	20		1
4-Methyl-2-pentanone	197	28.0	ug/L	175.0		113	67-130	16	20		1
Acetone	167	70.0	ug/L	175.0		96	39-160	31	20	P	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: 23A0137

Report Date: 01/13/2023
Matrix: Water

Volatile Organic Compounds by GC/MS
(Continued)

Batch: B3A0181 - SW5030 *(Continued)*

LCS Dup (B3A0181-BSD1) (Continued) *Prepared: 01/09/2023 14:02 Analyzed: 01/10/2023 09:14*

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Acrolein	66.2	10.0	ug/L	125.0		53	78-146	2	20		1
Acrylonitrile	51.3	4.00	ug/L	50.00		103	63-135	19	20		1
Benzene	50.9	2.00	ug/L	50.00		102	79-120	0.2	20		1
Bromodichloromethane	49.4	2.00	ug/L	50.00		99	84-139	4	20		1
Bromoform	50.3	4.00	ug/L	50.00		101	66-130	3	20		1
Bromomethane	49.7	40.0	ug/L	50.00		99	56-150	2	20		1
Carbon disulfide	46.6	4.00	ug/L	50.00		93	80-124	3	20		1
Carbon tetrachloride	49.5	20.0	ug/L	50.00		99	75-134	3	20		1
Chlorobenzene	49.6	2.00	ug/L	50.00		99	82-118	6	20		1
Chloroethane	62.5	4.00	ug/L	50.00		125	60-138	18	20		1
Chloroform	52.0	4.00	ug/L	50.00		104	79-124	0.03	20		1
Chloromethane	48.6	8.00	ug/L	50.00		97	50-139	4	20		1
cis-1,2-Dichloroethene	51.5	4.00	ug/L	50.00		103	78-123	0.4	20		1
cis-1,3-Dichloropropene	45.4	4.00	ug/L	50.00		91	75-124	12	20		1
Dibromochloromethane	51.6	4.00	ug/L	50.00		103	83-140	2	20		1
Ethylbenzene	49.6	4.00	ug/L	50.00		99	79-137	7	20		1
m,p-Xylene	101	8.00	ug/L	100.0		101	80-136	8	20		1
Methyl tert-butyl ether	52.2	4.00	ug/L	50.00		104	71-124	6	20		1
Methylene chloride	52.2	20.0	ug/L	50.00		104	74-124	0.6	20		1
Naphthalene	51.8	20.0	ug/L	50.00		104	82-128	11	20		1
o-Xylene	54.3	4.00	ug/L	50.00		109	78-122	4	20		1
Styrene	49.0	8.00	ug/L	50.00		98	78-123	6	20		1
Tetrachloroethene	56.2	4.00	ug/L	50.00		112	74-129	5	20		1
Toluene	50.1	4.00	ug/L	50.00		100	80-133	5	20		1
trans-1,2-Dichloroethene	50.5	4.00	ug/L	50.00		101	75-124	2	20		1
trans-1,3-Dichloropropene	45.6	8.00	ug/L	50.00		91	73-127	7	20		1
Trichloroethene	49.1	4.00	ug/L	50.00		98	84-129	3	20		1
Vinyl acetate	51.6	4.00	ug/L	50.00		103	76-133	3	20		1
Vinyl chloride	53.8	4.00	ug/L	50.00		108	58-137	4	20		1
Xylenes, Total	155	12.0	ug/L	150.0		104	80-132	4	20		1
1,3-Dichloropropene, Total	91.0	8.00	ug/L	100.0		91	77-123	9	20		1
Surrogate: Dibromofluoromethane	*19.7*		*ug/L*	*20.00*		*99*	*84-137*				1
Surrogate: 1,2-Dichloroethane-d4	*20.4*		*ug/L*	*20.00*		*102*	*74-140*				1
Surrogate: Fluorobenzene	*19.5*		*ug/L*	*20.00*		*98*	*90-105*				1
Surrogate: Toluene-d8	*19.6*		*ug/L*	*20.00*		*98*	*74-109*				1
Surrogate: 4-Bromofluorobenzene	*10.5*		*ug/L*	*10.00*		*105*	*86-128*				1
Surrogate: 1,2-Dichlorobenzene-d4	*20.7*		*ug/L*	*20.00*		*104*	*90-128*				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: 23A0137

Report Date: 01/13/2023
Matrix: Water

Volatile Organic Compounds by GC/MS
(Continued)

Batch: B3A0181 - SW5030 *(Continued)*

MRL Check (B3A0181-MRL1) *Prepared: 01/09/2023 14:02 Analyzed: 01/09/2023 17:35*

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
1,1,1-Trichloroethane	1.12	4.00	ug/L	1.000		112	0-200			J	1
1,1,2,2-Tetrachloroethane	0.839	4.00	ug/L	1.000		84	0-200			J	1
1,1,2-Trichloroethane	0.973	2.00	ug/L	1.000		97	0-200			J	1
1,1-Dichloroethane	1.15	2.00	ug/L	1.000		115	0-200			J	1
1,1-Dichloroethene	< 8.00	8.00	ug/L	1.000			0-200				1
1,2,4-Trimethylbenzene	1.17	4.00	ug/L	1.000		117	0-200			J	1
1,2-Dibromo-3-chloropropane	< 20.0	20.0	ug/L	1.000			0-200				1
1,2-Dibromoethane	1.16	2.00	ug/L	1.000		116	0-200			J	1
1,2-Dichloroethane	1.13	4.00	ug/L	1.000		113	0-200			J	1
1,2-Dichloropropane	1.13	4.00	ug/L	1.000		113	0-200			J	1
1,3,5-Trimethylbenzene	1.03	2.00	ug/L	1.000		103	0-200			J	1
1-Butanol	< 200	200	ug/L	10.00			0-200				1
2-Butanone	5.81	28.0	ug/L	3.500		166	0-200			J	1
2-Hexanone	< 28.0	28.0	ug/L	3.500			0-200				1
4-Methyl-2-pentanone	< 28.0	28.0	ug/L	3.500			0-200				1
Acetone	< 70.0	70.0	ug/L	3.500			0-200				1
Acrolein	2.64	10.0	ug/L	2.500		106	0-200			J	1
Acrylonitrile	1.54	4.00	ug/L	1.000		154	0-200			J	1
Benzene	0.988	2.00	ug/L	1.000		99	0-200			J	1
Bromodichloromethane	1.05	2.00	ug/L	1.000		105	0-200			J	1
Bromoform	1.14	4.00	ug/L	1.000		114	0-200			J	1
Bromomethane	< 40.0	40.0	ug/L	1.000			0-200				1
Carbon disulfide	1.39	4.00	ug/L	1.000		139	0-200			J	1
Carbon tetrachloride	< 20.0	20.0	ug/L	1.000			0-200				1
Chlorobenzene	1.28	2.00	ug/L	1.000		128	0-200			J	1
Chloroethane	0.876	4.00	ug/L	1.000		88	0-200			J	1
Chloroform	1.06	4.00	ug/L	1.000		106	0-200			J	1
Chloromethane	1.31	8.00	ug/L	1.000		131	0-200			J	1
cis-1,2-Dichloroethene	1.26	4.00	ug/L	1.000		126	0-200			J	1
cis-1,3-Dichloropropene	1.32	4.00	ug/L	1.000		132	0-200			J	1
Dibromochloromethane	1.07	4.00	ug/L	1.000		107	0-200			J	1
Ethylbenzene	1.11	4.00	ug/L	1.000		111	0-200			J	1
m,p-Xylene	2.36	8.00	ug/L	2.000		118	0-200			J	1
Methyl tert-butyl ether	1.06	4.00	ug/L	1.000		106	0-200			J	1
Methylene chloride	< 20.0	20.0	ug/L	1.000			0-200				1
Naphthalene	< 20.0	20.0	ug/L	1.000			0-200				1
o-Xylene	0.872	4.00	ug/L	1.000		87	0-200			J	1
Styrene	1.33	8.00	ug/L	1.000		133	0-200			J	1
Tetrachloroethene	1.60	4.00	ug/L	1.000		160	0-200			J	1
Toluene	1.12	4.00	ug/L	1.000		112	0-200			J	1
trans-1,2-Dichloroethene	1.32	4.00	ug/L	1.000		132	0-200			J	1
trans-1,3-Dichloropropene	1.18	8.00	ug/L	1.000		118	0-200			J	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: 23A0137

Report Date: 01/13/2023
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: B3A0181 - SW5030 *(Continued)*											
MRL Check (B3A0181-MRL1) (Continued)				*Prepared: 01/09/2023 14:02*			*Analyzed: 01/09/2023 17:35*				
Trichloroethene	1.28	4.00	ug/L	1.000		128	0-200			J	1
Vinyl acetate	1.03	4.00	ug/L	1.000		103	0-200			J	1
Vinyl chloride	1.22	4.00	ug/L	1.000		122	0-200			J	1
Xylenes, Total	3.23	12.0	ug/L	3.000		108	0-200			J	1
1,3-Dichloropropene, Total	2.50	8.00	ug/L	2.000		125	0-200			J	1
Surrogate: Dibromofluoromethane	*19.9*		*ug/L*	*20.00*		*99*	*84-137*				1
Surrogate: 1,2-Dichloroethane-d4	*19.3*		*ug/L*	*20.00*		*97*	*74-140*				1
Surrogate: Fluorobenzene	*19.6*		*ug/L*	*20.00*		*98*	*90-105*				1
Surrogate: Toluene-d8	*20.5*		*ug/L*	*20.00*		*102*	*74-109*				1
Surrogate: 4-Bromofluorobenzene	*10.1*		*ug/L*	*10.00*		*101*	*86-128*				1
Surrogate: 1,2-Dichlorobenzene-d4	*20.1*		*ug/L*	*20.00*		*100*	*90-128*				1
MRL Check (B3A0181-MRL2)				*Prepared: 01/09/2023 14:02*			*Analyzed: 01/09/2023 18:54*				
1,1,1-Trichloroethane	7.73	4.00	ug/L	8.000		97	0-200				1
1,1,2,2-Tetrachloroethane	10.0	4.00	ug/L	8.000		126	0-200				1
1,1,2-Trichloroethane	7.58	2.00	ug/L	8.000		95	0-200				1
1,1-Dichloroethane	7.84	2.00	ug/L	8.000		98	0-200				1
1,1-Dichloroethene	7.98	8.00	ug/L	8.000		100	0-200			J	1
1,2,4-Trimethylbenzene	8.24	4.00	ug/L	8.000		103	0-200				1
1,2-Dibromo-3-chloropropane	8.18	20.0	ug/L	8.000		102	0-200			J	1
1,2-Dibromoethane	7.82	2.00	ug/L	8.000		98	0-200				1
1,2-Dichloroethane	7.98	4.00	ug/L	8.000		100	0-200				1
1,2-Dichloropropane	7.27	4.00	ug/L	8.000		91	0-200				1
1,3,5-Trimethylbenzene	8.57	2.00	ug/L	8.000		107	0-200				1
1-Butanol	78.5	200	ug/L	80.00		98	0-200			J	1
2-Butanone	39.3	28.0	ug/L	28.00		140	0-200				1
2-Hexanone	30.1	28.0	ug/L	28.00		107	0-200				1
4-Methyl-2-pentanone	31.4	28.0	ug/L	28.00		112	0-200				1
Acetone	38.3	70.0	ug/L	28.00		137	0-200			J	1
Acrolein	12.7	10.0	ug/L	20.00		64	0-200				1
Acrylonitrile	7.66	4.00	ug/L	8.000		96	0-200				1
Benzene	7.67	2.00	ug/L	8.000		96	0-200				1
Bromodichloromethane	7.98	2.00	ug/L	8.000		100	0-200				1
Bromoform	7.43	4.00	ug/L	8.000		93	0-200				1
Bromomethane	10.2	40.0	ug/L	8.000		127	0-200			J	1
Carbon disulfide	7.57	4.00	ug/L	8.000		95	0-200				1
Carbon tetrachloride	7.74	20.0	ug/L	8.000		97	0-200			J	1
Chlorobenzene	7.39	2.00	ug/L	8.000		92	0-200				1
Chloroethane	9.88	4.00	ug/L	8.000		124	0-200				1
Chloroform	8.12	4.00	ug/L	8.000		102	0-200				1
Chloromethane	7.45	8.00	ug/L	8.000		93	0-200			J	1
cis-1,2-Dichloroethene	8.07	4.00	ug/L	8.000		101	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: 23A0137

Report Date: 01/13/2023
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: B3A0181 - SW5030 *(Continued)*											
MRL Check (B3A0181-MRL2) (Continued)				*Prepared: 01/09/2023 14:02*			*Analyzed: 01/09/2023 18:54*				
cis-1,3-Dichloropropene	7.36	4.00	ug/L	8.000		92	0-200				1
Dibromochloromethane	7.73	4.00	ug/L	8.000		97	0-200				1
Ethylbenzene	7.84	4.00	ug/L	8.000		98	0-200				1
m,p-Xylene	15.3	8.00	ug/L	16.00		96	0-200				1
Methyl tert-butyl ether	8.15	4.00	ug/L	8.000		102	0-200				1
Methylene chloride	8.18	20.0	ug/L	8.000		102	0-200			J	1
Naphthalene	8.07	20.0	ug/L	8.000		101	0-200			J	1
o-Xylene	8.30	4.00	ug/L	8.000		104	0-200				1
Styrene	7.28	8.00	ug/L	8.000		91	0-200			J	1
Tetrachloroethene	7.57	4.00	ug/L	8.000		95	0-200				1
Toluene	7.72	4.00	ug/L	8.000		96	0-200				1
trans-1,2-Dichloroethene	7.78	4.00	ug/L	8.000		97	0-200				1
trans-1,3-Dichloropropene	6.98	8.00	ug/L	8.000		87	0-200			J	1
Trichloroethene	7.28	4.00	ug/L	8.000		91	0-200				1
Vinyl acetate	8.15	4.00	ug/L	8.000		102	0-200				1
Vinyl chloride	8.46	4.00	ug/L	8.000		106	0-200				1
Xylenes, Total	23.6	12.0	ug/L	24.00		98	0-200				1
1,3-Dichloropropene, Total	14.3	8.00	ug/L	16.00		90	0-200				1
Surrogate: Dibromofluoromethane	*20.3*		*ug/L*	*20.00*		*101*	*84-137*				1
Surrogate: 1,2-Dichloroethane-d4	*20.7*		*ug/L*	*20.00*		*103*	*74-140*				1
Surrogate: Fluorobenzene	*19.6*		*ug/L*	*20.00*		*98*	*90-105*				1
Surrogate: Toluene-d8	*20.0*		*ug/L*	*20.00*		*100*	*74-109*				1
Surrogate: 4-Bromofluorobenzene	*10.4*		*ug/L*	*10.00*		*104*	*86-128*				1
Surrogate: 1,2-Dichlorobenzene-d4	*21.0*		*ug/L*	*20.00*		*105*	*90-128*				1
MRL Check (B3A0181-MRL3)				*Prepared: 01/09/2023 14:02*			*Analyzed: 01/09/2023 19:20*				
1,1,1-Trichloroethane	10.3	4.00	ug/L	10.00		103	0-200				1
1,1,2,2-Tetrachloroethane	11.5	4.00	ug/L	10.00		115	0-200				1
1,1,2-Trichloroethane	10.1	2.00	ug/L	10.00		101	0-200				1
1,1-Dichloroethane	10.1	2.00	ug/L	10.00		101	0-200				1
1,1-Dichloroethene	10.2	8.00	ug/L	10.00		102	0-200				1
1,2,4-Trimethylbenzene	10.8	4.00	ug/L	10.00		108	0-200				1
1,2-Dibromo-3-chloropropane	11.2	20.0	ug/L	10.00		112	0-200			J	1
1,2-Dibromoethane	10.0	2.00	ug/L	10.00		100	0-200				1
1,2-Dichloroethane	10.1	4.00	ug/L	10.00		101	0-200				1
1,2-Dichloropropane	10.1	4.00	ug/L	10.00		101	0-200				1
1,3,5-Trimethylbenzene	11.0	2.00	ug/L	10.00		110	0-200				1
1-Butanol	88.5	200	ug/L	100.0		89	0-200			J	1
2-Butanone	36.2	28.0	ug/L	35.00		104	0-200				1
2-Hexanone	35.3	28.0	ug/L	35.00		101	0-200				1
4-Methyl-2-pentanone	36.9	28.0	ug/L	35.00		105	0-200				1
Acetone	32.3	70.0	ug/L	35.00		92	0-200			J	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: 23A0137

Report Date: 01/13/2023
Matrix: Water

Volatile Organic Compounds by GC/MS
(Continued)

Batch: B3A0181 - SW5030 *(Continued)*

MRL Check (B3A0181-MRL3) (Continued) *Prepared: 01/09/2023 14:02 Analyzed: 01/09/2023 19:20*

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Acrolein	23.1	10.0	ug/L	25.00		93	0-200				1
Acrylonitrile	8.73	4.00	ug/L	10.00		87	0-200				1
Benzene	10.4	2.00	ug/L	10.00		104	0-200				1
Bromodichloromethane	10.1	2.00	ug/L	10.00		101	0-200				1
Bromoform	9.31	4.00	ug/L	10.00		93	0-200				1
Bromomethane	10.7	40.0	ug/L	10.00		107	0-200			J	1
Carbon disulfide	10.3	4.00	ug/L	10.00		103	0-200				1
Carbon tetrachloride	10.0	20.0	ug/L	10.00		100	0-200			J	1
Chlorobenzene	10.0	2.00	ug/L	10.00		100	0-200				1
Chloroethane	10.6	4.00	ug/L	10.00		106	0-200				1
Chloroform	10.5	4.00	ug/L	10.00		105	0-200				1
Chloromethane	9.65	8.00	ug/L	10.00		96	0-200				1
cis-1,2-Dichloroethene	9.98	4.00	ug/L	10.00		100	0-200				1
cis-1,3-Dichloropropene	9.52	4.00	ug/L	10.00		95	0-200				1
Dibromochloromethane	9.91	4.00	ug/L	10.00		99	0-200				1
Ethylbenzene	9.72	4.00	ug/L	10.00		97	0-200				1
m,p-Xylene	19.0	8.00	ug/L	20.00		95	0-200				1
Methyl tert-butyl ether	10.4	4.00	ug/L	10.00		104	0-200				1
Methylene chloride	10.2	20.0	ug/L	10.00		102	0-200			J	1
Naphthalene	9.55	20.0	ug/L	10.00		96	0-200			J	1
o-Xylene	11.1	4.00	ug/L	10.00		111	0-200				1
Styrene	9.23	8.00	ug/L	10.00		92	0-200				1
Tetrachloroethene	12.2	4.00	ug/L	10.00		122	0-200				1
Toluene	9.93	4.00	ug/L	10.00		99	0-200				1
trans-1,2-Dichloroethene	10.4	4.00	ug/L	10.00		104	0-200				1
trans-1,3-Dichloropropene	8.88	8.00	ug/L	10.00		89	0-200				1
Trichloroethene	9.94	4.00	ug/L	10.00		99	0-200				1
Vinyl acetate	9.24	4.00	ug/L	10.00		92	0-200				1
Vinyl chloride	9.91	4.00	ug/L	10.00		99	0-200				1
Xylenes, Total	30.1	12.0	ug/L	30.00		100	0-200				1
1,3-Dichloropropene, Total	18.4	8.00	ug/L	20.00		92	0-200				1
Surrogate: Dibromofluoromethane	*20.2*		*ug/L*	*20.00*		*101*	*84-137*				*1*
Surrogate: 1,2-Dichloroethane-d4	*20.3*		*ug/L*	*20.00*		*102*	*74-140*				*1*
Surrogate: Fluorobenzene	*19.7*		*ug/L*	*20.00*		*99*	*90-105*				*1*
Surrogate: Toluene-d8	*19.4*		*ug/L*	*20.00*		*97*	*74-109*				*1*
Surrogate: 4-Bromofluorobenzene	*10.3*		*ug/L*	*10.00*		*103*	*86-128*				*1*
Surrogate: 1,2-Dichlorobenzene-d4	*20.7*		*ug/L*	*20.00*		*104*	*90-128*				*1*

Environmental Monitoring and Technologies, Inc.

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Quality Control
(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 23A0137

Report Date: 01/13/2023
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: B3A0181 - SW5030 *(Continued)*											
MRL Check (B3A0181-MRL4)				*Prepared: 01/09/2023 14:02*			*Analyzed: 01/09/2023 19:46*				
1,1,1-Trichloroethane	19.2	4.00	ug/L	20.00		96	0-200				1
1,1,2,2-Tetrachloroethane	23.2	4.00	ug/L	20.00		116	0-200				1
1,1,2-Trichloroethane	20.2	2.00	ug/L	20.00		101	0-200				1
1,1-Dichloroethane	19.2	2.00	ug/L	20.00		96	0-200				1
1,1-Dichloroethene	19.3	8.00	ug/L	20.00		97	0-200				1
1,2,4-Trimethylbenzene	19.7	4.00	ug/L	20.00		99	0-200				1
1,2-Dibromo-3-chloropropane	22.7	20.0	ug/L	20.00		114	0-200				1
1,2-Dibromoethane	19.5	2.00	ug/L	20.00		98	0-200				1
1,2-Dichloroethane	19.9	4.00	ug/L	20.00		99	0-200				1
1,2-Dichloropropane	19.1	4.00	ug/L	20.00		96	0-200				1
1,3,5-Trimethylbenzene	20.1	2.00	ug/L	20.00		100	0-200				1
1-Butanol	213	200	ug/L	200.0		107	0-200				1
2-Butanone	76.1	28.0	ug/L	70.00		109	0-200				1
2-Hexanone	79.7	28.0	ug/L	70.00		114	0-200				1
4-Methyl-2-pentanone	78.6	28.0	ug/L	70.00		112	0-200				1
Acetone	66.0	70.0	ug/L	70.00		94	0-200			J	1
Acrolein	50.1	10.0	ug/L	50.00		100	0-200				1
Acrylonitrile	22.4	4.00	ug/L	20.00		112	0-200				1
Benzene	19.8	2.00	ug/L	20.00		99	0-200				1
Bromodichloromethane	19.4	2.00	ug/L	20.00		97	0-200				1
Bromoform	18.9	4.00	ug/L	20.00		95	0-200				1
Bromomethane	17.6	40.0	ug/L	20.00		88	0-200			J	1
Carbon disulfide	19.0	4.00	ug/L	20.00		95	0-200				1
Carbon tetrachloride	18.5	20.0	ug/L	20.00		92	0-200			J	1
Chlorobenzene	19.5	2.00	ug/L	20.00		98	0-200				1
Chloroethane	22.5	4.00	ug/L	20.00		113	0-200				1
Chloroform	19.5	4.00	ug/L	20.00		97	0-200				1
Chloromethane	19.2	8.00	ug/L	20.00		96	0-200				1
cis-1,2-Dichloroethene	18.8	4.00	ug/L	20.00		94	0-200				1
cis-1,3-Dichloropropene	18.6	4.00	ug/L	20.00		93	0-200				1
Dibromochloromethane	19.8	4.00	ug/L	20.00		99	0-200				1
Ethylbenzene	19.3	4.00	ug/L	20.00		97	0-200				1
m,p-Xylene	38.4	8.00	ug/L	40.00		96	0-200				1
Methyl tert-butyl ether	20.0	4.00	ug/L	20.00		100	0-200				1
Methylene chloride	19.2	20.0	ug/L	20.00		96	0-200			J	1
Naphthalene	19.4	20.0	ug/L	20.00		97	0-200			J	1
o-Xylene	20.7	4.00	ug/L	20.00		104	0-200				1
Styrene	19.1	8.00	ug/L	20.00		96	0-200				1
Tetrachloroethene	20.7	4.00	ug/L	20.00		103	0-200				1
Toluene	19.2	4.00	ug/L	20.00		96	0-200				1
trans-1,2-Dichloroethene	19.2	4.00	ug/L	20.00		96	0-200				1
trans-1,3-Dichloropropene	18.1	8.00	ug/L	20.00		91	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: 23A0137

Report Date: 01/13/2023
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: B3A0181 - SW5030 *(Continued)*											
MRL Check (B3A0181-MRL4) (Continued)				*Prepared: 01/09/2023 14:02*			*Analyzed: 01/09/2023 19:46*				
Trichloroethene	19.6	4.00	ug/L	20.00		98	0-200				1
Vinyl acetate	19.1	4.00	ug/L	20.00		96	0-200				1
Vinyl chloride	20.0	4.00	ug/L	20.00		100	0-200				1
Xylenes, Total	59.1	12.0	ug/L	60.00		99	0-200				1
1,3-Dichloropropene, Total	36.7	8.00	ug/L	40.00		92	0-200				1
Surrogate: Dibromofluoromethane	*20.5*		*ug/L*	*20.00*		*102*	*84-137*				1
Surrogate: 1,2-Dichloroethane-d4	*20.4*		*ug/L*	*20.00*		*102*	*74-140*				1
Surrogate: Fluorobenzene	*20.2*		*ug/L*	*20.00*		*101*	*90-105*				1
Surrogate: Toluene-d8	*19.8*		*ug/L*	*20.00*		*99*	*74-109*				1
Surrogate: 4-Bromofluorobenzene	*9.99*		*ug/L*	*10.00*		*100*	*86-128*				1
Surrogate: 1,2-Dichlorobenzene-d4	*20.7*		*ug/L*	*20.00*		*103*	*90-128*				1
MRL Check (B3A0181-MRL5)				*Prepared: 01/09/2023 14:02*			*Analyzed: 01/10/2023 18:26*				
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
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

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: 23A0137

Report Date: 01/13/2023
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: B3A0181 - SW5030 *(Continued)*											
MRL Check (B3A0181-MRL5) (Continued)					*Prepared: 01/09/2023 14:02*		*Analyzed: 01/10/2023 18:26*				
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
1,3-Dichloropropene, Total	< 8.00	8.00	ug/L				0-200				1
Surrogate: Dibromofluoromethane	*20.0*		*ug/L*	*20.00*		*100*	*84-137*				1
Surrogate: 1,2-Dichloroethane-d4	*20.7*		*ug/L*	*20.00*		*103*	*74-140*				1
Surrogate: Fluorobenzene	*19.6*		*ug/L*	*20.00*		*98*	*90-105*				1
Surrogate: Toluene-d8	*19.8*		*ug/L*	*20.00*		*99*	*74-109*				1
Surrogate: 4-Bromofluorobenzene	*9.10*		*ug/L*	*10.00*		*91*	*86-128*				1
Surrogate: 1,2-Dichlorobenzene-d4	*19.7*		*ug/L*	*20.00*		*99*	*90-128*				1
MRL Check (B3A0181-MRL6)					*Prepared: 01/09/2023 14:02*		*Analyzed: 01/11/2023 13:40*				
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
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

Environmental Monitoring and Technologies, Inc.

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Quality Control
(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 23A0137

Report Date: 01/13/2023
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: B3A0181 - SW5030 *(Continued)*											
MRL Check (B3A0181-MRL6) (Continued)				*Prepared: 01/09/2023 14:02*			*Analyzed: 01/11/2023 13:40*				
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
1,3-Dichloropropene, Total	< 8.00	8.00	ug/L				0-200				1
Surrogate: Dibromofluoromethane	*20.2*		*ug/L*	*20.00*		*101*	*84-137*				*1*
Surrogate: 1,2-Dichloroethane-d4	*20.0*		*ug/L*	*20.00*		*100*	*74-140*				*1*
Surrogate: Fluorobenzene	*20.0*		*ug/L*	*20.00*		*100*	*90-105*				*1*
Surrogate: Toluene-d8	*19.9*		*ug/L*	*20.00*		*99*	*74-109*				*1*
Surrogate: 4-Bromofluorobenzene	*9.57*		*ug/L*	*10.00*		*96*	*86-128*				*1*
Surrogate: 1,2-Dichlorobenzene-d4	*19.4*		*ug/L*	*20.00*		*97*	*90-128*				*1*
Batch: B3A0219 - SW5030											
Blank (B3A0219-BLK1)				*Prepared: 01/09/2023 13:55*			*Analyzed: 01/09/2023 15:36*				
1,1,1-Trichloroethane	< 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: 23A0137

Report Date: 01/13/2023
Matrix: Water

Volatile Organic Compounds by GC/MS
(Continued)

Batch: B3A0219 - SW5030 *(Continued)*

Blank (B3A0219-BLK1) (Continued) *Prepared: 01/09/2023 13:55 Analyzed: 01/09/2023 15:36*

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								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
Trichloroethene	< 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: 23A0137

Report Date: 01/13/2023
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: B3A0219 - SW5030 *(Continued)*											
Blank (B3A0219-BLK1) (Continued)				*Prepared: 01/09/2023 13:55*			*Analyzed: 01/09/2023 15:36*				
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	*20.3*		*ug/L*	*20.00*		*101*	*84-137*				1
Surrogate: 1,2-Dichloroethane-d4	*18.7*		*ug/L*	*20.00*		*94*	*74-140*				1
Surrogate: Fluorobenzene	*19.8*		*ug/L*	*20.00*		*99*	*90-105*				1
Surrogate: Toluene-d8	*20.4*		*ug/L*	*20.00*		*102*	*74-109*				1
Surrogate: 4-Bromofluorobenzene	*10.0*		*ug/L*	*10.00*		*100*	*86-128*				1
Surrogate: 1,2-Dichlorobenzene-d4	*18.9*		*ug/L*	*20.00*		*94*	*90-128*				1
LCS (B3A0219-BS1)				*Prepared: 01/09/2023 13:55*			*Analyzed: 01/09/2023 14:22*				
1,1,1-Trichloroethane	36.7	4.00	ug/L	40.00		92	74-131				1
1,1,2,2-Tetrachloroethane	34.5	4.00	ug/L	40.00		86	71-121				1
1,1,2-Trichloroethane	37.1	2.00	ug/L	40.00		93	83-139				1
1,1-Dichloroethane	41.2	2.00	ug/L	40.00		103	77-125				1
1,1-Dichloroethene	54.0	8.00	ug/L	40.00		135	71-131				1
1,2,4-Trimethylbenzene	44.0	4.00	ug/L	40.00		110	76-124				1
1,2-Dibromo-3-chloropropane	30.6	20.0	ug/L	40.00		76	72-124				1
1,2-Dibromoethane	35.6	2.00	ug/L	40.00		89	77-121				1
1,2-Dichloroethane	37.7	4.00	ug/L	40.00		94	73-128				1
1,2-Dichloropropane	38.1	4.00	ug/L	40.00		95	78-122				1
1,3,5-Trimethylbenzene	42.9	2.00	ug/L	40.00		107	75-124				1
1-Butanol	231	200	ug/L	400.0		58	70-130				1
2-Butanone	58.1	28.0	ug/L	140.0		42	70-137				1
2-Hexanone	119	28.0	ug/L	140.0		85	57-139				1
4-Methyl-2-pentanone	106	28.0	ug/L	140.0		76	67-130				1
Acetone	169	70.0	ug/L	140.0		121	39-160				1
Acrolein	84.4	10.0	ug/L	100.0		84	78-146				1
Acrylonitrile	12.5	4.00	ug/L	40.00		31	63-135				1
Benzene	41.9	2.00	ug/L	40.00		105	79-120				1
Bromodichloromethane	35.8	2.00	ug/L	40.00		89	84-139				1
Bromoform	30.1	4.00	ug/L	40.00		75	66-130				1
Bromomethane	52.8	40.0	ug/L	40.00		132	56-150				1
Carbon disulfide	41.4	4.00	ug/L	40.00		104	80-124				1
Carbon tetrachloride	37.8	20.0	ug/L	40.00		95	75-134				1
Chlorobenzene	41.9	2.00	ug/L	40.00		105	82-118				1
Chloroethane	54.7	4.00	ug/L	40.00		137	60-138				1
Chloroform	39.1	4.00	ug/L	40.00		98	79-124				1
Chloromethane	42.7	8.00	ug/L	40.00		107	50-139				1
cis-1,2-Dichloroethene	43.9	4.00	ug/L	40.00		110	78-123				1
cis-1,3-Dichloropropene	33.7	4.00	ug/L	40.00		84	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: 23A0137

Report Date: 01/13/2023
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: B3A0219 - SW5030 *(Continued)*											
LCS (B3A0219-BS1) (Continued)				*Prepared: 01/09/2023 13:55*			*Analyzed: 01/09/2023 14:22*				
Dibromochloromethane	35.7	4.00	ug/L	40.00		89	83-140				1
Ethylbenzene	42.5	4.00	ug/L	40.00		106	79-137				1
m,p-Xylene	90.1	8.00	ug/L	80.00		113	80-136				1
Methyl tert-butyl ether	30.8	4.00	ug/L	40.00		77	71-124				1
Methylene chloride	43.2	20.0	ug/L	40.00		108	74-124				1
Naphthalene	33.2	20.0	ug/L	40.00		83	82-128				1
o-Xylene	39.4	4.00	ug/L	40.00		98	78-122				1
Styrene	41.6	8.00	ug/L	40.00		104	78-123				1
Tetrachloroethene	39.6	4.00	ug/L	40.00		99	74-129				1
Toluene	42.6	4.00	ug/L	40.00		107	80-133				1
trans-1,2-Dichloroethene	46.3	4.00	ug/L	40.00		116	75-124				1
trans-1,3-Dichloropropene	29.0	8.00	ug/L	40.00		73	73-127				1
Trichloroethene	41.6	4.00	ug/L	40.00		104	84-129				1
Vinyl acetate	31.1	4.00	ug/L	40.00		78	76-133				1
Vinyl chloride	56.3	4.00	ug/L	40.00		141	58-137				1
Xylenes, Total	130	12.0	ug/L	120.0		108	80-132				1
1,3-Dichloropropene, Total	62.8	8.00	ug/L	80.00		78	77-123				1
Surrogate: Dibromofluoromethane	*20.6*		*ug/L*	*20.00*		*103*	*84-137*				1
Surrogate: 1,2-Dichloroethane-d4	*19.5*		*ug/L*	*20.00*		*98*	*74-140*				1
Surrogate: Fluorobenzene	*20.2*		*ug/L*	*20.00*		*101*	*90-105*				1
Surrogate: Toluene-d8	*19.9*		*ug/L*	*20.00*		*100*	*74-109*				1
Surrogate: 4-Bromofluorobenzene	*9.06*		*ug/L*	*10.00*		*91*	*86-128*				1
Surrogate: 1,2-Dichlorobenzene-d4	*19.7*		*ug/L*	*20.00*		*98*	*90-128*				1
LCS Dup (B3A0219-BSD1)				*Prepared: 01/09/2023 13:55*			*Analyzed: 01/09/2023 14:46*				
1,1,1-Trichloroethane	36.4	4.00	ug/L	40.00		91	74-131	0.9	20		1
1,1,2,2-Tetrachloroethane	37.1	4.00	ug/L	40.00		93	71-121	7	20		1
1,1,2-Trichloroethane	40.4	2.00	ug/L	40.00		101	83-139	9	20		1
1,1-Dichloroethane	39.9	2.00	ug/L	40.00		100	77-125	3	20		1
1,1-Dichloroethene	48.4	8.00	ug/L	40.00		121	71-131	11	20		1
1,2,4-Trimethylbenzene	44.4	4.00	ug/L	40.00		111	76-124	0.8	20		1
1,2-Dibromo-3-chloropropane	31.1	20.0	ug/L	40.00		78	72-124	2	20		1
1,2-Dibromoethane	37.5	2.00	ug/L	40.00		94	77-121	5	20		1
1,2-Dichloroethane	37.2	4.00	ug/L	40.00		93	73-128	1	20		1
1,2-Dichloropropane	39.3	4.00	ug/L	40.00		98	78-122	3	20		1
1,3,5-Trimethylbenzene	43.1	2.00	ug/L	40.00		108	75-124	0.6	20		1
1-Butanol	249	200	ug/L	400.0		62	70-130	7	20		1
2-Butanone	152	28.0	ug/L	140.0		108	70-137	89	20		1
2-Hexanone	122	28.0	ug/L	140.0		87	57-139	3	20		1
4-Methyl-2-pentanone	113	28.0	ug/L	140.0		81	67-130	6	20		1
Acetone	152	70.0	ug/L	140.0		108	39-160	11	20		1
Acrolein	85.2	10.0	ug/L	100.0		85	78-146	0.9	20		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: 23A0137

Report Date: 01/13/2023
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: B3A0219 - SW5030 *(Continued)*											
LCS Dup (B3A0219-BSD1) (Continued)				*Prepared: 01/09/2023 13:55*			*Analyzed: 01/09/2023 14:46*				
Acrylonitrile	37.0	4.00	ug/L	40.00		92	63-135	99	20		1
Benzene	42.2	2.00	ug/L	40.00		106	79-120	0.7	20		1
Bromodichloromethane	36.7	2.00	ug/L	40.00		92	84-139	3	20		1
Bromoform	32.9	4.00	ug/L	40.00		82	66-130	9	20		1
Bromomethane	53.7	40.0	ug/L	40.00		134	56-150	2	20		1
Carbon disulfide	39.5	4.00	ug/L	40.00		99	80-124	5	20		1
Carbon tetrachloride	36.6	20.0	ug/L	40.00		91	75-134	3	20		1
Chlorobenzene	42.5	2.00	ug/L	40.00		106	82-118	1	20		1
Chloroethane	56.9	4.00	ug/L	40.00		142	60-138	4	20		1
Chloroform	39.4	4.00	ug/L	40.00		98	79-124	0.8	20		1
Chloromethane	42.3	8.00	ug/L	40.00		106	50-139	0.9	20		1
cis-1,2-Dichloroethene	44.5	4.00	ug/L	40.00		111	78-123	1	20		1
cis-1,3-Dichloropropene	35.7	4.00	ug/L	40.00		89	75-124	6	20		1
Dibromochloromethane	37.5	4.00	ug/L	40.00		94	83-140	5	20		1
Ethylbenzene	43.6	4.00	ug/L	40.00		109	79-137	3	20		1
m,p-Xylene	91.1	8.00	ug/L	80.00		114	80-136	1	20		1
Methyl tert-butyl ether	31.5	4.00	ug/L	40.00		79	71-124	2	20		1
Methylene chloride	41.1	20.0	ug/L	40.00		103	74-124	5	20		1
Naphthalene	35.8	20.0	ug/L	40.00		89	82-128	7	20		1
o-Xylene	40.0	4.00	ug/L	40.00		100	78-122	2	20		1
Styrene	42.6	8.00	ug/L	40.00		107	78-123	2	20		1
Tetrachloroethene	35.6	4.00	ug/L	40.00		89	74-129	11	20		1
Toluene	42.9	4.00	ug/L	40.00		107	80-133	0.7	20		1
trans-1,2-Dichloroethene	45.2	4.00	ug/L	40.00		113	75-124	2	20		1
trans-1,3-Dichloropropene	30.4	8.00	ug/L	40.00		76	73-127	5	20		1
Trichloroethene	42.6	4.00	ug/L	40.00		107	84-129	2	20		1
Vinyl acetate	34.3	4.00	ug/L	40.00		86	76-133	10	20		1
Vinyl chloride	53.8	4.00	ug/L	40.00		135	58-137	4	20		1
Xylenes, Total	131	12.0	ug/L	120.0		109	80-132	1	20		1
1,3-Dichloropropene, Total	66.1	8.00	ug/L	80.00		83	77-123	5	20		1
Surrogate: Dibromofluoromethane	*20.4*		*ug/L*	*20.00*		*102*	*84-137*				1
Surrogate: 1,2-Dichloroethane-d4	*18.7*		*ug/L*	*20.00*		*94*	*74-140*				1
Surrogate: Fluorobenzene	*20.8*		*ug/L*	*20.00*		*104*	*90-105*				1
Surrogate: Toluene-d8	*19.7*		*ug/L*	*20.00*		*98*	*74-109*				1
Surrogate: 4-Bromofluorobenzene	*9.19*		*ug/L*	*10.00*		*92*	*86-128*				1
Surrogate: 1,2-Dichlorobenzene-d4	*19.2*		*ug/L*	*20.00*		*96*	*90-128*				1
Batch: B3A0242 - SW5030											
Blank (B3A0242-BLK1)				*Prepared: 01/11/2023 11:57*			*Analyzed: 01/11/2023 12:37*				
1,1,1-Trichloroethane	< 4.00	4.00	ug/L								1
1,1,2,2-Tetrachloroethane	< 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: 23A0137

Report Date: 01/13/2023
Matrix: Water

Volatile Organic Compounds by GC/MS
(Continued)

Batch: B3A0242 - SW5030 *(Continued)*

Blank (B3A0242-BLK1) (Continued) *Prepared: 01/11/2023 11:57 Analyzed: 01/11/2023 12:37*

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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
Trichloroethene	< 4.00	4.00	ug/L								1
Vinyl acetate	< 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: 23A0137

Report Date: 01/13/2023
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: B3A0242 - SW5030 *(Continued)*											
Blank (B3A0242-BLK1) (Continued)				*Prepared: 01/11/2023 11:57*			*Analyzed: 01/11/2023 12:37*				
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	*19.8*		*ug/L*	*20.00*		*99*	*84-137*				1
Surrogate: 1,2-Dichloroethane-d4	*19.2*		*ug/L*	*20.00*		*96*	*74-140*				1
Surrogate: Fluorobenzene	*19.3*		*ug/L*	*20.00*		*97*	*90-105*				1
Surrogate: Toluene-d8	*20.1*		*ug/L*	*20.00*		*101*	*74-109*				1
Surrogate: 4-Bromofluorobenzene	*10.8*		*ug/L*	*10.00*		*108*	*86-128*				1
Surrogate: 1,2-Dichlorobenzene-d4	*20.2*		*ug/L*	*20.00*		*101*	*90-128*				1
LCS (B3A0242-BS1)				*Prepared: 01/11/2023 10:30*			*Analyzed: 01/11/2023 10:57*				
1,1,1-Trichloroethane	44.3	4.00	ug/L	40.00		111	74-131				1
1,1,2,2-Tetrachloroethane	39.1	4.00	ug/L	40.00		98	71-121				1
1,1,2-Trichloroethane	41.0	2.00	ug/L	40.00		102	83-139				1
1,1-Dichloroethane	41.3	2.00	ug/L	40.00		103	77-125				1
1,1-Dichloroethene	47.8	8.00	ug/L	40.00		119	71-131				1
1,2,4-Trimethylbenzene	45.5	4.00	ug/L	40.00		114	76-124				1
1,2-Dibromo-3-chloropropane	37.4	20.0	ug/L	40.00		93	72-124				1
1,2-Dibromoethane	40.4	2.00	ug/L	40.00		101	77-121				1
1,2-Dichloroethane	38.4	4.00	ug/L	40.00		96	73-128				1
1,2-Dichloropropane	43.3	4.00	ug/L	40.00		108	78-122				1
1,3,5-Trimethylbenzene	46.2	2.00	ug/L	40.00		115	75-124				1
1-Butanol	370	200	ug/L	400.0		93	70-130				1
2-Butanone	131	28.0	ug/L	140.0		94	70-137				1
2-Hexanone	147	28.0	ug/L	140.0		105	57-139				1
4-Methyl-2-pentanone	136	28.0	ug/L	140.0		97	67-130				1
Acetone	166	70.0	ug/L	140.0		119	39-160				1
Acrolein	55.0	10.0	ug/L	100.0		55	78-146				1
Acrylonitrile	33.0	4.00	ug/L	40.00		83	63-135				1
Benzene	45.2	2.00	ug/L	40.00		113	79-120				1
Bromodichloromethane	41.5	2.00	ug/L	40.00		104	84-139				1
Bromoform	38.6	4.00	ug/L	40.00		96	66-130				1
Bromomethane	37.6	40.0	ug/L	40.00		94	56-150			J	1
Carbon disulfide	45.6	4.00	ug/L	40.00		114	80-124				1
Carbon tetrachloride	49.0	20.0	ug/L	40.00		122	75-134				1
Chlorobenzene	42.7	2.00	ug/L	40.00		107	82-118				1
Chloroethane	37.1	4.00	ug/L	40.00		93	60-138				1
Chloroform	40.7	4.00	ug/L	40.00		102	79-124				1
Chloromethane	40.9	8.00	ug/L	40.00		102	50-139				1
cis-1,2-Dichloroethene	41.0	4.00	ug/L	40.00		102	78-123				1
cis-1,3-Dichloropropene	42.8	4.00	ug/L	40.00		107	75-124				1
Dibromochloromethane	41.8	4.00	ug/L	40.00		104	83-140				1

Environmental Monitoring and Technologies, Inc.

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Quality Control
(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 23A0137

Report Date: 01/13/2023
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: B3A0242 - SW5030 *(Continued)*											
LCS (B3A0242-BS1) (Continued)				*Prepared: 01/11/2023 10:30*			*Analyzed: 01/11/2023 10:57*				
Ethylbenzene	44.4	4.00	ug/L	40.00		111	79-137				1
m,p-Xylene	89.9	8.00	ug/L	80.00		112	80-136				1
Methyl tert-butyl ether	36.8	4.00	ug/L	40.00		92	71-124				1
Methylene chloride	41.2	20.0	ug/L	40.00		103	74-124				1
Naphthalene	41.0	20.0	ug/L	40.00		102	82-128				1
o-Xylene	44.0	4.00	ug/L	40.00		110	78-122				1
Styrene	41.5	8.00	ug/L	40.00		104	78-123				1
Tetrachloroethene	44.7	4.00	ug/L	40.00		112	74-129				1
Toluene	44.6	4.00	ug/L	40.00		112	80-133				1
trans-1,2-Dichloroethene	43.7	4.00	ug/L	40.00		109	75-124				1
trans-1,3-Dichloropropene	41.2	8.00	ug/L	40.00		103	73-127				1
Trichloroethene	46.6	4.00	ug/L	40.00		117	84-129				1
Vinyl acetate	37.3	4.00	ug/L	40.00		93	76-133				1
Vinyl chloride	42.7	4.00	ug/L	40.00		107	58-137				1
Xylenes, Total	134	12.0	ug/L	120.0		112	80-132				1
1,3-Dichloropropene, Total	84.1	8.00	ug/L	80.00		105	77-123				1
Surrogate: Dibromofluoromethane	*19.0*		*ug/L*	*20.00*		*95*	*84-137*				1
Surrogate: 1,2-Dichloroethane-d4	*18.9*		*ug/L*	*20.00*		*94*	*74-140*				1
Surrogate: Fluorobenzene	*20.4*		*ug/L*	*20.00*		*102*	*90-105*				1
Surrogate: Toluene-d8	*19.5*		*ug/L*	*20.00*		*98*	*74-109*				1
Surrogate: 4-Bromofluorobenzene	*10.1*		*ug/L*	*10.00*		*101*	*86-128*				1
Surrogate: 1,2-Dichlorobenzene-d4	*20.2*		*ug/L*	*20.00*		*101*	*90-128*				1
Matrix Spike (B3A0242-MS1)				**Source: 23A0263-01**	*Prepared: 01/11/2023 11:57*		*Analyzed: 01/11/2023 18:01*				
1,1,1-Trichloroethane	1960	200	ug/L	2000	ND	98	70-130				1
1,1,2,2-Tetrachloroethane	2020	200	ug/L	2000	ND	101	70-130				1
1,1,2-Trichloroethane	1970	100	ug/L	2000	ND	98	70-130				1
1,1-Dichloroethane	1960	100	ug/L	2000	ND	98	70-130				1
1,1-Dichloroethene	2150	400	ug/L	2000	ND	108	70-130				1
1,2,4-Trimethylbenzene	2090	200	ug/L	2000	ND	105	70-130				1
1,2-Dibromo-3-chloropropane	1820	1000	ug/L	2000	ND	91	70-130				1
1,2-Dibromoethane	1950	100	ug/L	2000	ND	97	70-130				1
1,2-Dichloroethane	1900	200	ug/L	2000	ND	95	70-130				1
1,2-Dichloropropane	2050	200	ug/L	2000	ND	103	70-130				1
1,3,5-Trimethylbenzene	2080	100	ug/L	2000	ND	104	70-130				1
1-Butanol	17300	10000	ug/L	20000	ND	86	70-130				1
2-Butanone	5370	1400	ug/L	7000	ND	77	70-130				1
2-Hexanone	6360	1400	ug/L	7000	ND	91	70-130				1
4-Methyl-2-pentanone	6450	1400	ug/L	7000	ND	92	70-130				1
Acetone	4640	3500	ug/L	7000	ND	66	70-130				1
Acrolein	2750	500	ug/L	5000	ND	55	70-130				1
Acrylonitrile	1740	200	ug/L	2000	ND	87	70-130				1

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Quality Control
(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 23A0137

Report Date: 01/13/2023
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: B3A0242 - SW5030 *(Continued)*											
Matrix Spike (B3A0242-MS1) (Continued)		**Source: 23A0263-01**		*Prepared: 01/11/2023 11:57*		*Analyzed: 01/11/2023 18:01*					
Benzene	2020	100	ug/L	2000	ND	101	70-130				1
Bromodichloromethane	2000	100	ug/L	2000	ND	100	70-130				1
Bromoform	2020	200	ug/L	2000	ND	101	70-130				1
Bromomethane	1920	2000	ug/L	2000	ND	96	70-130			J	1
Carbon disulfide	2040	200	ug/L	2000	ND	102	70-130				1
Carbon tetrachloride	2030	1000	ug/L	2000	ND	102	70-130				1
Chlorobenzene	2040	100	ug/L	2000	ND	102	70-130				1
Chloroethane	2200	200	ug/L	2000	ND	110	70-130				1
Chloroform	1990	200	ug/L	2000	ND	99	70-130				1
Chloromethane	2050	400	ug/L	2000	ND	103	70-130				1
cis-1,2-Dichloroethene	1990	200	ug/L	2000	ND	99	70-130				1
cis-1,3-Dichloropropene	1920	200	ug/L	2000	ND	96	70-130				1
Dibromochloromethane	2060	200	ug/L	2000	ND	103	70-130				1
Ethylbenzene	2080	200	ug/L	2000	ND	104	70-130				1
m,p-Xylene	4280	400	ug/L	4000	ND	107	70-130				1
Methyl tert-butyl ether	1840	200	ug/L	2000	ND	92	70-130				1
Methylene chloride	2040	1000	ug/L	2000	ND	102	70-130				1
Naphthalene	1850	1000	ug/L	2000	ND	93	70-130				1
o-Xylene	2040	200	ug/L	2000	ND	102	70-130				1
Styrene	2000	400	ug/L	2000	ND	100	70-130				1
Tetrachloroethene	1980	200	ug/L	2000	ND	99	70-130				1
Toluene	2090	200	ug/L	2000	ND	105	70-130				1
trans-1,2-Dichloroethene	1960	200	ug/L	2000	ND	98	70-130				1
trans-1,3-Dichloropropene	1930	400	ug/L	2000	ND	97	70-130				1
Trichloroethene	2030	200	ug/L	2000	ND	102	70-130				1
Vinyl acetate	1930	200	ug/L	2000	ND	97	70-130				1
Vinyl chloride	2060	200	ug/L	2000	ND	103	70-130				1
Xylenes, Total	6330	600	ug/L	6000	ND	105	70-130				1
1,3-Dichloropropene, Total	3850	400	ug/L	4000	ND	96	70-130				1
Surrogate: Dibromofluoromethane	*18.8*		*ug/L*	*20.00*		*94*	*84-137*				1
Surrogate: 1,2-Dichloroethane-d4	*19.4*		*ug/L*	*20.00*		*97*	*74-140*				1
Surrogate: Fluorobenzene	*19.6*		*ug/L*	*20.00*		*98*	*90-105*				1
Surrogate: Toluene-d8	*19.5*		*ug/L*	*20.00*		*98*	*74-109*				1
Surrogate: 4-Bromofluorobenzene	*9.60*		*ug/L*	*10.00*		*96*	*86-128*				1
Surrogate: 1,2-Dichlorobenzene-d4	*19.7*		*ug/L*	*20.00*		*99*	*90-128*				1
Matrix Spike Dup (B3A0242-MSD1)		**Source: 23A0263-01**		*Prepared: 01/11/2023 11:57*		*Analyzed: 01/11/2023 18:26*					
1,1,1-Trichloroethane	1950	200	ug/L	2000	ND	98	70-130	0.4	20		1
1,1,2,2-Tetrachloroethane	2000	200	ug/L	2000	ND	100	70-130	1	20		1
1,1,2-Trichloroethane	2020	100	ug/L	2000	ND	101	70-130	3	20		1
1,1-Dichloroethane	2020	100	ug/L	2000	ND	101	70-130	3	20		1
1,1-Dichloroethene	2270	400	ug/L	2000	ND	113	70-130	5	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: 23A0137

Report Date: 01/13/2023
Matrix: Water

Volatile Organic Compounds by GC/MS
(Continued)

Batch: B3A0242 - SW5030 *(Continued)*

Matrix Spike Dup (B3A0242-MSD1) (Continued) **Source: 23A0263-01** *Prepared: 01/11/2023 11:57 Analyzed: 01/11/2023 18:26*

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
1,2,4-Trimethylbenzene	2100	200	ug/L	2000	ND	105	70-130	0.4	20		1
1,2-Dibromo-3-chloropropane	2040	1000	ug/L	2000	ND	102	70-130	12	20		1
1,2-Dibromoethane	2070	100	ug/L	2000	ND	104	70-130	6	20		1
1,2-Dichloroethane	2030	200	ug/L	2000	ND	101	70-130	6	20		1
1,2-Dichloropropane	1950	200	ug/L	2000	ND	98	70-130	5	20		1
1,3,5-Trimethylbenzene	2070	100	ug/L	2000	ND	104	70-130	0.2	20		1
1-Butanol	18700	10000	ug/L	20000	ND	94	70-130	8	20		1
2-Butanone	6250	1400	ug/L	7000	ND	89	70-130	15	20		1
2-Hexanone	6770	1400	ug/L	7000	ND	97	70-130	6	20		1
4-Methyl-2-pentanone	6770	1400	ug/L	7000	ND	97	70-130	5	20		1
Acetone	4990	3500	ug/L	7000	ND	71	70-130	7	20		1
Acrolein	3240	500	ug/L	5000	ND	65	70-130	17	20		1
Acrylonitrile	2160	200	ug/L	2000	ND	108	70-130	21	20		1
Benzene	2020	100	ug/L	2000	ND	101	70-130	0.3	20		1
Bromodichloromethane	1950	100	ug/L	2000	ND	98	70-130	3	20		1
Bromoform	1980	200	ug/L	2000	ND	99	70-130	2	20		1
Bromomethane	1940	2000	ug/L	2000	ND	97	70-130	1	20	J	1
Carbon disulfide	2110	200	ug/L	2000	ND	106	70-130	3	20		1
Carbon tetrachloride	2010	1000	ug/L	2000	ND	100	70-130	1	20		1
Chlorobenzene	2030	100	ug/L	2000	ND	101	70-130	0.3	20		1
Chloroethane	2100	200	ug/L	2000	ND	105	70-130	5	20		1
Chloroform	2020	200	ug/L	2000	ND	101	70-130	1	20		1
Chloromethane	2150	400	ug/L	2000	ND	107	70-130	4	20		1
cis-1,2-Dichloroethene	2040	200	ug/L	2000	ND	102	70-130	3	20		1
cis-1,3-Dichloropropene	1910	200	ug/L	2000	ND	96	70-130	0.4	20		1
Dibromochloromethane	2090	200	ug/L	2000	ND	105	70-130	2	20		1
Ethylbenzene	2070	200	ug/L	2000	ND	103	70-130	0.7	20		1
m,p-Xylene	4180	400	ug/L	4000	ND	104	70-130	3	20		1
Methyl tert-butyl ether	1930	200	ug/L	2000	ND	96	70-130	5	20		1
Methylene chloride	2190	1000	ug/L	2000	ND	109	70-130	7	20		1
Naphthalene	2070	1000	ug/L	2000	ND	103	70-130	11	20		1
o-Xylene	2000	200	ug/L	2000	ND	100	70-130	2	20		1
Styrene	2020	400	ug/L	2000	ND	101	70-130	1	20		1
Tetrachloroethene	1890	200	ug/L	2000	ND	95	70-130	5	20		1
Toluene	2050	200	ug/L	2000	ND	102	70-130	2	20		1
trans-1,2-Dichloroethene	2050	200	ug/L	2000	ND	102	70-130	4	20		1
trans-1,3-Dichloropropene	1850	400	ug/L	2000	ND	93	70-130	4	20		1
Trichloroethene	1960	200	ug/L	2000	ND	98	70-130	4	20		1
Vinyl acetate	2070	200	ug/L	2000	ND	104	70-130	7	20		1
Vinyl chloride	2110	200	ug/L	2000	ND	106	70-130	2	20		1
Xylenes, Total	6180	600	ug/L	6000	ND	103	70-130	2	20		1
1,3-Dichloropropene, Total	3760	400	ug/L	4000	ND	94	70-130	2	20		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: 23A0137

Report Date: 01/13/2023
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: B3A0242 - SW5030 *(Continued)*											
Matrix Spike Dup (B3A0242-MSD1) (Continued)				**Source: 23A0263-01**		*Prepared: 01/11/2023 11:57*		*Analyzed: 01/11/2023 18:26*			
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	*19.2*		*ug/L*	*20.00*		*96*	*90-105*				1
Surrogate: Toluene-d8	*19.6*		*ug/L*	*20.00*		*98*	*74-109*				1
Surrogate: 4-Bromofluorobenzene	*9.90*		*ug/L*	*10.00*		*99*	*86-128*				1
Surrogate: 1,2-Dichlorobenzene-d4	*19.0*		*ug/L*	*20.00*		*95*	*90-128*				1

Environmental Monitoring and Technologies, Inc.

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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

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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).
%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.

ENVIRO MONITO TECHNOL
8100 North Austin A
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847-967-6666
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23A0137
PM: Tim Witrzek
United Engineering Consultants, Inc.
UEC Analysis

Chain of Custody Record

TURNARAOUND TIME:
☐ RUSH
____ day turnaround
☒ ROUTINE

Due Date: ____-____-____ COC #: 223543

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: 19016

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

VOC

EMT USE ONLY

EMT WORKORDER # 23A0137

Sample I.D.	Sample Type	Container Size	Container Type	Container No.	Sampling By	Sampling Date	Sampling Time	pH	Temp.	Preservation Field	Preservation Lab	VOC	EMT WORKORDER #
MW-2	6	40mL	G	3	JEG	12/28/22	11:10	—	—	5		X	01A-C
MW-4	↓	↓	↓	↓	↓	↓	10:10	↓	↓	↓		X	02A-C
MW-4R	↓	↓	↓	↓	↓	↓	10:21	↓	↓	↓		X	03A-C
TRIP BLANK	6	40mL	G	1	—	—	—	—	—	5		X	04A

Relinquished By: Joseph Schmitz	Date: 1-4-23 Time: 0945	Received By: [signature]	Date: 1-4-23 Time: 0945	EMT USE ONLY	☒ SAMPLE RECEIVED ON ICE
Relinquished By: [signature]	Date: 1-4-23 Time: 1300	Received By:	Date: - - Time: :	Client Code: EMT Project I.D.	☐ TEMPERATURE 4.6°C
Relinquished By:	Date: - - Time: :	Received For Lab By: [signature]	Date: 01-04-2023 Time: 13:00	Jar Lot No.	EMT SAMPLE RETURN POLICY ON BACK

SPECIAL INSTRUCTIONS:

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Sample Receipt Checklist

Work Order: 23A0137

Printed: 1/4/2023 7:40:23PM

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

Date Due: Friday, January 13, 2023

Received By: Kaline Langley
Logged In By: Kaline Langley

Date Received: 01/04/23 13:00
Date Logged In: 01/04/23 13:02

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	Yes
Vials contain larger than pea sized air bubbles	Yes

Samples going out of hold time within 24 hours:

_____
_____
_____
_____

Sample Receipt Comments
Work Order: 23A0137

The samples were received on 01/04/23 13:00. The temperature of the cooler(s) at receipt was:

Cooler	Temp C°
Default Cooler	4.6

Sample 04 (1 vial) contain larger than pea-sized (6 mm) air bubbles.

PG
Reviewed By:

01/04/23
Date:

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