Environmental Monitoring and Technologies, Inc.

8100 N. Austin Avenue Morton Grove, IL 60053-3203 P 847.967.6666 800.246.0663 F 847.967.6735 www.emt.com

Analytical Report

Timothy J. Anderson
United Engineering Consultants, Inc.
16237 W. Ryerson Road
New Berlin, WI 53151

July 26, 2019

Work Order: 19G0671

RE: UEC Analysis
06007

Dear Timothy J. Anderson:

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

Sincerely,

Jacoby Jackson
Project Manager
847.967.6666
jjackson@emt.com
Approved for release: 7/26/2019 10:17:36AM

Approved by,

Matthew Gregory
Technical Manager

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

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

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Sample Summary

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-3	19G0671-01	Groundwater	07/16/19 08:30	07/19/19 14:00
MW-4B	19G0671-02	Groundwater	07/16/19 08:45	07/19/19 14:00
MW-6D	19G0671-03	Groundwater	07/16/19 09:15	07/19/19 14:00
MW-6S	19G0671-04	Groundwater	07/16/19 09:30	07/19/19 14:00
MW-8	19G0671-05	Groundwater	07/16/19 09:45	07/19/19 14:00
MW-11	19G0671-06	Groundwater	07/16/19 10:00	07/19/19 14:00
MW-13	19G0671-07	Groundwater	07/16/19 10:15	07/19/19 14:00
MW-14	19G0671-08	Groundwater	07/16/19 10:30	07/19/19 14:00
MW-4B DUP	19G0671-09	Groundwater	07/16/19 09:00	07/19/19 14:00
Trip Blank	19G0671-10	Groundwater	07/16/19 00:00	07/19/19 14:00
MW-2	19G0671-11	Groundwater	07/17/19 10:00	07/19/19 14:00

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Case Narrative

Client: United Engineering Consultants, Inc.
Date: 07/26/2019
Project: UEC Analysis
06007
Work Order: 19G0671

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

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

Work Order: 19G0671
The samples were received on 07/19/19 14:00. The samples arrived in good condition and properly preserved. The temperature of the cooler at receipt was:

Cooler	Temp C°
Default Cooler	4.6

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

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Client Sample Results

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
06007
Work Order: 19G0671

Client Sample ID: MW-3
Report Date: 07/26/2019
Collection Date: 07/16/2019 08:30
Matrix: Groundwater
Lab ID: 19G0671-01

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Volatile Organic Compounds by GC/MS									
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030									
1,1,1-Trichloroethane	**2.14**	2.00		ug/L	0.349	07/25/19 05:12	B9G0841	JL	1
1,1,2,2-Tetrachloroethane	< 0.291	2.00		ug/L	0.291	07/25/19 05:12	B9G0841	JL	1
1,1,2-Trichloroethane	< 0.264	2.00		ug/L	0.264	07/25/19 05:12	B9G0841	JL	1
1,1-Dichloroethane	**3.07**	8.00	J	ug/L	1.94	07/25/19 05:12	B9G0841	JL	1
1,1-Dichloroethene	< 1.02	4.00		ug/L	1.02	07/25/19 05:12	B9G0841	JL	1
1,2,4-Trimethylbenzene	**2.25**	2.00		ug/L	0.338	07/25/19 05:12	B9G0841	JL	1
1,2-Dibromo-3-chloropropane	< 0.488	2.00		ug/L	0.488	07/25/19 05:12	B9G0841	JL	1
1,2-Dibromoethane	< 0.320	2.00		ug/L	0.320	07/25/19 05:12	B9G0841	JL	1
1,2-Dichloroethane	< 0.274	2.00		ug/L	0.274	07/25/19 05:12	B9G0841	JL	1
1,2-Dichloropropane	< 1.11	4.00		ug/L	1.11	07/25/19 05:12	B9G0841	JL	1
1,3,5-Trimethylbenzene	< 0.310	2.00		ug/L	0.310	07/25/19 05:12	B9G0841	JL	1
1-Butanol	< 6.69	90.0		ug/L	6.69	07/25/19 05:12	B9G0841	JL	1
2-Butanone	< 1.38	8.00		ug/L	1.38	07/25/19 05:12	B9G0841	JL	1
2-Hexanone	< 1.04	8.00		ug/L	1.04	07/25/19 05:12	B9G0841	JL	1
4-Methyl-2-pentanone	< 0.660	28.0		ug/L	0.660	07/25/19 05:12	B9G0841	JL	1
Acetone	< 3.75	28.0		ug/L	3.75	07/25/19 05:12	B9G0841	JL	1
Acrolein	< 6.63	20.0		ug/L	6.63	07/25/19 05:12	B9G0841	JL	1
Acrylonitrile	< 0.742	4.00		ug/L	0.742	07/25/19 05:12	B9G0841	JL	1
Benzene	< 0.370	2.00		ug/L	0.370	07/25/19 05:12	B9G0841	JL	1
Bromodichloromethane	< 0.310	2.00		ug/L	0.310	07/25/19 05:12	B9G0841	JL	1
Bromoform	< 0.254	2.00		ug/L	0.254	07/25/19 05:12	B9G0841	JL	1
Bromomethane	< 3.30	20.0		ug/L	3.30	07/25/19 05:12	B9G0841	JL	1
Carbon disulfide	< 0.259	2.00		ug/L	0.259	07/25/19 05:12	B9G0841	JL	1
Carbon tetrachloride	< 0.390	2.00		ug/L	0.390	07/25/19 05:12	B9G0841	JL	1
Chlorobenzene	< 0.358	2.00		ug/L	0.358	07/25/19 05:12	B9G0841	JL	1
Chloroethane	< 0.906	4.00		ug/L	0.906	07/25/19 05:12	B9G0841	JL	1
Chloroform	< 0.397	2.00		ug/L	0.397	07/25/19 05:12	B9G0841	JL	1
Chloromethane	< 2.23	8.00		ug/L	2.23	07/25/19 05:12	B9G0841	JL	1
cis-1,2-Dichloroethene	**46.0**	2.00		ug/L	0.421	07/25/19 05:12	B9G0841	JL	1
cis-1,3-Dichloropropene	< 0.278	2.00		ug/L	0.278	07/25/19 05:12	B9G0841	JL	1
Dibromochloromethane	< 0.492	2.00		ug/L	0.492	07/25/19 05:12	B9G0841	JL	1
Ethylbenzene	< 0.431	2.00		ug/L	0.431	07/25/19 05:12	B9G0841	JL	1
m,p-Xylene	< 0.310	4.00		ug/L	0.310	07/25/19 05:12	B9G0841	JL	1
Methyl tert-butyl ether	**1.17**	2.00	J	ug/L	0.322	07/25/19 05:12	B9G0841	JL	1
Methylene chloride	< 0.358	2.00		ug/L	0.358	07/25/19 05:12	B9G0841	JL	1
o-Xylene	< 0.349	2.00		ug/L	0.349	07/25/19 05:12	B9G0841	JL	1
Styrene	< 0.534	4.00		ug/L	0.534	07/25/19 05:12	B9G0841	JL	1
Tetrachloroethene	**1.55**	2.00	J	ug/L	0.400	07/25/19 05:12	B9G0841	JL	1
Toluene	< 0.299	2.00		ug/L	0.299	07/25/19 05:12	B9G0841	JL	1
trans-1,2-Dichloroethene	**0.510**	2.00	J	ug/L	0.433	07/25/19 05:12	B9G0841	JL	1
trans-1,3-Dichloropropene	< 0.314	2.00		ug/L	0.314	07/25/19 05:12	B9G0841	JL	1
Trichloroethene	**6.48**	2.00		ug/L	0.439	07/25/19 05:12	B9G0841	JL	1
Vinyl acetate	< 1.01	8.00		ug/L	1.01	07/25/19 05:12	B9G0841	JL	1
Vinyl chloride	< 0.316	2.00		ug/L	0.316	07/25/19 05:12	B9G0841	JL	1
Xylenes, Total	< 0.660	6.00		ug/L	0.660	07/25/19 05:12	B9G0841	JL	1
1,3-Dichloropropene, Total	< 0.592	4.00		ug/L	0.592	07/25/19 05:12	B9G0841	JL	1

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
06007
Work Order: 19G0671

Client Sample ID: MW-3
Report Date: 07/26/2019
Collection Date: 07/16/2019 08:30
Matrix: Groundwater
Lab ID: 19G0671-01 (Continued)

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Volatile Organic Compounds by GC/MS (Continued)									
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 (Continued)									
Surrogate: Dibromofluoromethane				*Recovery: 108%*	*Limits: 80-135*	*07/25/19 05:12*	*B9G0841*	*JL*	*1*
Surrogate: 1,2-Dichloroethane-d4				*Recovery: 107%*	*Limits: 86-132*	*07/25/19 05:12*	*B9G0841*	*JL*	*1*
Surrogate: Fluorobenzene				*Recovery: 97%*	*Limits: 80-116*	*07/25/19 05:12*	*B9G0841*	*JL*	*1*
Surrogate: Toluene-d8				*Recovery: 98%*	*Limits: 73-120*	*07/25/19 05:12*	*B9G0841*	*JL*	*1*
Surrogate: 4-Bromofluorobenzene				*Recovery: 105%*	*Limits: 85-114*	*07/25/19 05:12*	*B9G0841*	*JL*	*1*
Surrogate: 1,2-Dichlorobenzene-d4				*Recovery: 114%*	*Limits: 88-136*	*07/25/19 05:12*	*B9G0841*	*JL*	*1*

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 06007
Work Order: 19G0671

Client Sample ID: MW-4B
Report Date: 07/26/2019
Collection Date: 07/16/2019 08:45
Matrix: Groundwater
Lab ID: 19G0671-02

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Volatile Organic Compounds by GC/MS									
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030									
1,1,1-Trichloroethane	**1.67**	2.00	J	ug/L	0.349	07/25/19 05:42	B9G0841	JL	1
1,1,2,2-Tetrachloroethane	< 0.291	2.00		ug/L	0.291	07/25/19 05:42	B9G0841	JL	1
1,1,2-Trichloroethane	< 0.264	2.00		ug/L	0.264	07/25/19 05:42	B9G0841	JL	1
1,1-Dichloroethane	**5.64**	8.00	J	ug/L	1.94	07/25/19 05:42	B9G0841	JL	1
1,1-Dichloroethene	**1.82**	4.00	J	ug/L	1.02	07/25/19 05:42	B9G0841	JL	1
1,2,4-Trimethylbenzene	< 0.338	2.00		ug/L	0.338	07/25/19 05:42	B9G0841	JL	1
1,2-Dibromo-3-chloropropane	< 0.488	2.00		ug/L	0.488	07/25/19 05:42	B9G0841	JL	1
1,2-Dibromoethane	< 0.320	2.00		ug/L	0.320	07/25/19 05:42	B9G0841	JL	1
1,2-Dichloroethane	< 0.274	2.00		ug/L	0.274	07/25/19 05:42	B9G0841	JL	1
1,2-Dichloropropane	< 1.11	4.00		ug/L	1.11	07/25/19 05:42	B9G0841	JL	1
1,3,5-Trimethylbenzene	< 0.310	2.00		ug/L	0.310	07/25/19 05:42	B9G0841	JL	1
1-Butanol	< 6.69	90.0		ug/L	6.69	07/25/19 05:42	B9G0841	JL	1
2-Butanone	< 1.38	8.00		ug/L	1.38	07/25/19 05:42	B9G0841	JL	1
2-Hexanone	< 1.04	8.00		ug/L	1.04	07/25/19 05:42	B9G0841	JL	1
4-Methyl-2-pentanone	< 0.660	28.0		ug/L	0.660	07/25/19 05:42	B9G0841	JL	1
Acetone	< 3.75	28.0		ug/L	3.75	07/25/19 05:42	B9G0841	JL	1
Acrolein	< 6.63	20.0		ug/L	6.63	07/25/19 05:42	B9G0841	JL	1
Acrylonitrile	< 0.742	4.00		ug/L	0.742	07/25/19 05:42	B9G0841	JL	1
Benzene	**0.870**	2.00	J	ug/L	0.370	07/25/19 05:42	B9G0841	JL	1
Bromodichloromethane	< 0.310	2.00		ug/L	0.310	07/25/19 05:42	B9G0841	JL	1
Bromoform	< 0.254	2.00		ug/L	0.254	07/25/19 05:42	B9G0841	JL	1
Bromomethane	< 3.30	20.0		ug/L	3.30	07/25/19 05:42	B9G0841	JL	1
Carbon disulfide	< 0.259	2.00		ug/L	0.259	07/25/19 05:42	B9G0841	JL	1
Carbon tetrachloride	< 0.390	2.00		ug/L	0.390	07/25/19 05:42	B9G0841	JL	1
Chlorobenzene	< 0.358	2.00		ug/L	0.358	07/25/19 05:42	B9G0841	JL	1
Chloroethane	< 0.906	4.00		ug/L	0.906	07/25/19 05:42	B9G0841	JL	1
Chloroform	< 0.397	2.00		ug/L	0.397	07/25/19 05:42	B9G0841	JL	1
Chloromethane	< 2.23	8.00		ug/L	2.23	07/25/19 05:42	B9G0841	JL	1
cis-1,2-Dichloroethene	**114**	2.00		ug/L	0.421	07/25/19 05:42	B9G0841	JL	1
cis-1,3-Dichloropropene	< 0.278	2.00		ug/L	0.278	07/25/19 05:42	B9G0841	JL	1
Dibromochloromethane	< 0.492	2.00		ug/L	0.492	07/25/19 05:42	B9G0841	JL	1
Ethylbenzene	< 0.431	2.00		ug/L	0.431	07/25/19 05:42	B9G0841	JL	1
m,p-Xylene	< 0.310	4.00		ug/L	0.310	07/25/19 05:42	B9G0841	JL	1
Methyl tert-butyl ether	**2.32**	2.00		ug/L	0.322	07/25/19 05:42	B9G0841	JL	1
Methylene chloride	< 0.358	2.00		ug/L	0.358	07/25/19 05:42	B9G0841	JL	1
o-Xylene	< 0.349	2.00		ug/L	0.349	07/25/19 05:42	B9G0841	JL	1
Styrene	< 0.534	4.00		ug/L	0.534	07/25/19 05:42	B9G0841	JL	1
Tetrachloroethene	< 0.400	2.00		ug/L	0.400	07/25/19 05:42	B9G0841	JL	1
Toluene	< 0.299	2.00		ug/L	0.299	07/25/19 05:42	B9G0841	JL	1
trans-1,2-Dichloroethene	**1.77**	2.00	J	ug/L	0.433	07/25/19 05:42	B9G0841	JL	1
trans-1,3-Dichloropropene	< 0.314	2.00		ug/L	0.314	07/25/19 05:42	B9G0841	JL	1
Trichloroethene	**192**	2.00		ug/L	0.439	07/25/19 05:42	B9G0841	JL	1
Vinyl acetate	< 1.01	8.00		ug/L	1.01	07/25/19 05:42	B9G0841	JL	1
Vinyl chloride	**1.61**	2.00	J	ug/L	0.316	07/25/19 05:42	B9G0841	JL	1
Xylenes, Total	< 0.660	6.00		ug/L	0.660	07/25/19 05:42	B9G0841	JL	1
1,3-Dichloropropene, Total	< 0.592	4.00		ug/L	0.592	07/25/19 05:42	B9G0841	JL	1

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
06007
Work Order: 19G0671

Client Sample ID: MW-4B
Report Date: 07/26/2019
Collection Date: 07/16/2019 08:45
Matrix: Groundwater
Lab ID: 19G0671-02 (Continued)

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Volatile Organic Compounds by GC/MS (Continued)									
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 (Continued)									
Surrogate: Dibromofluoromethane				*Recovery: 105%*	*Limits: 80-135*	*07/25/19 05:42*	*B9G0841*	*JL*	*1*
Surrogate: 1,2-Dichloroethane-d4				*Recovery: 107%*	*Limits: 86-132*	*07/25/19 05:42*	*B9G0841*	*JL*	*1*
Surrogate: Fluorobenzene				*Recovery: 99%*	*Limits: 80-116*	*07/25/19 05:42*	*B9G0841*	*JL*	*1*
Surrogate: Toluene-d8				*Recovery: 99%*	*Limits: 73-120*	*07/25/19 05:42*	*B9G0841*	*JL*	*1*
Surrogate: 4-Bromofluorobenzene				*Recovery: 112%*	*Limits: 85-114*	*07/25/19 05:42*	*B9G0841*	*JL*	*1*
Surrogate: 1,2-Dichlorobenzene-d4				*Recovery: 116%*	*Limits: 88-136*	*07/25/19 05:42*	*B9G0841*	*JL*	*1*

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 06007
Work Order: 19G0671

Client Sample ID: MW-6D
Report Date: 07/26/2019
Collection Date: 07/16/2019 09:15
Matrix: Groundwater
Lab ID: 19G0671-03

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Volatile Organic Compounds by GC/MS									
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030									
1,1,1-Trichloroethane	< 0.349	2.00		ug/L	0.349	07/25/19 06:12	B9G0841	JL	1
1,1,2,2-Tetrachloroethane	< 0.291	2.00		ug/L	0.291	07/25/19 06:12	B9G0841	JL	1
1,1,2-Trichloroethane	< 0.264	2.00		ug/L	0.264	07/25/19 06:12	B9G0841	JL	1
1,1-Dichloroethane	< 1.94	8.00		ug/L	1.94	07/25/19 06:12	B9G0841	JL	1
1,1-Dichloroethene	< 1.02	4.00		ug/L	1.02	07/25/19 06:12	B9G0841	JL	1
1,2,4-Trimethylbenzene	< 0.338	2.00		ug/L	0.338	07/25/19 06:12	B9G0841	JL	1
1,2-Dibromo-3-chloropropane	< 0.488	2.00		ug/L	0.488	07/25/19 06:12	B9G0841	JL	1
1,2-Dibromoethane	< 0.320	2.00		ug/L	0.320	07/25/19 06:12	B9G0841	JL	1
1,2-Dichloroethane	< 0.274	2.00		ug/L	0.274	07/25/19 06:12	B9G0841	JL	1
1,2-Dichloropropane	< 1.11	4.00		ug/L	1.11	07/25/19 06:12	B9G0841	JL	1
1,3,5-Trimethylbenzene	< 0.310	2.00		ug/L	0.310	07/25/19 06:12	B9G0841	JL	1
1-Butanol	< 6.69	90.0		ug/L	6.69	07/25/19 06:12	B9G0841	JL	1
2-Butanone	< 1.38	8.00		ug/L	1.38	07/25/19 06:12	B9G0841	JL	1
2-Hexanone	< 1.04	8.00		ug/L	1.04	07/25/19 06:12	B9G0841	JL	1
4-Methyl-2-pentanone	< 0.660	28.0		ug/L	0.660	07/25/19 06:12	B9G0841	JL	1
Acetone	< 3.75	28.0		ug/L	3.75	07/25/19 06:12	B9G0841	JL	1
Acrolein	< 6.63	20.0		ug/L	6.63	07/25/19 06:12	B9G0841	JL	1
Acrylonitrile	< 0.742	4.00		ug/L	0.742	07/25/19 06:12	B9G0841	JL	1
Benzene	< 0.370	2.00		ug/L	0.370	07/25/19 06:12	B9G0841	JL	1
Bromodichloromethane	< 0.310	2.00		ug/L	0.310	07/25/19 06:12	B9G0841	JL	1
Bromoform	< 0.254	2.00		ug/L	0.254	07/25/19 06:12	B9G0841	JL	1
Bromomethane	< 3.30	20.0		ug/L	3.30	07/25/19 06:12	B9G0841	JL	1
Carbon disulfide	< 0.259	2.00		ug/L	0.259	07/25/19 06:12	B9G0841	JL	1
Carbon tetrachloride	< 0.390	2.00		ug/L	0.390	07/25/19 06:12	B9G0841	JL	1
Chlorobenzene	< 0.358	2.00		ug/L	0.358	07/25/19 06:12	B9G0841	JL	1
Chloroethane	< 0.906	4.00		ug/L	0.906	07/25/19 06:12	B9G0841	JL	1
Chloroform	< 0.397	2.00		ug/L	0.397	07/25/19 06:12	B9G0841	JL	1
Chloromethane	< 2.23	8.00		ug/L	2.23	07/25/19 06:12	B9G0841	JL	1
cis-1,2-Dichloroethene	**0.700**	2.00	J	ug/L	0.421	07/25/19 06:12	B9G0841	JL	1
cis-1,3-Dichloropropene	< 0.278	2.00		ug/L	0.278	07/25/19 06:12	B9G0841	JL	1
Dibromochloromethane	< 0.492	2.00		ug/L	0.492	07/25/19 06:12	B9G0841	JL	1
Ethylbenzene	< 0.431	2.00		ug/L	0.431	07/25/19 06:12	B9G0841	JL	1
m,p-Xylene	< 0.310	4.00		ug/L	0.310	07/25/19 06:12	B9G0841	JL	1
Methyl tert-butyl ether	< 0.322	2.00		ug/L	0.322	07/25/19 06:12	B9G0841	JL	1
Methylene chloride	< 0.358	2.00		ug/L	0.358	07/25/19 06:12	B9G0841	JL	1
o-Xylene	< 0.349	2.00		ug/L	0.349	07/25/19 06:12	B9G0841	JL	1
Styrene	< 0.534	4.00		ug/L	0.534	07/25/19 06:12	B9G0841	JL	1
Tetrachloroethene	< 0.400	2.00		ug/L	0.400	07/25/19 06:12	B9G0841	JL	1
Toluene	< 0.299	2.00		ug/L	0.299	07/25/19 06:12	B9G0841	JL	1
trans-1,2-Dichloroethene	< 0.433	2.00		ug/L	0.433	07/25/19 06:12	B9G0841	JL	1
trans-1,3-Dichloropropene	< 0.314	2.00		ug/L	0.314	07/25/19 06:12	B9G0841	JL	1
Trichloroethene	< 0.439	2.00		ug/L	0.439	07/25/19 06:12	B9G0841	JL	1
Vinyl acetate	< 1.01	8.00		ug/L	1.01	07/25/19 06:12	B9G0841	JL	1
Vinyl chloride	< 0.316	2.00		ug/L	0.316	07/25/19 06:12	B9G0841	JL	1
Xylenes, Total	< 0.660	6.00		ug/L	0.660	07/25/19 06:12	B9G0841	JL	1
1,3-Dichloropropene, Total	< 0.592	4.00		ug/L	0.592	07/25/19 06:12	B9G0841	JL	1

Environmental Monitoring and Technologies, Inc.

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 06007
Work Order: 19G0671

Client Sample ID: MW-6D
Report Date: 07/26/2019
Collection Date: 07/16/2019 09:15
Matrix: Groundwater
Lab ID: 19G0671-03 (Continued)

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Volatile Organic Compounds by GC/MS (Continued)									
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 (Continued)									
Surrogate: Dibromofluoromethane				*Recovery: 108%*	*Limits: 80-135*	*07/25/19 06:12*	*B9G0841*	*JL*	*1*
Surrogate: 1,2-Dichloroethane-d4				*Recovery: 108%*	*Limits: 86-132*	*07/25/19 06:12*	*B9G0841*	*JL*	*1*
Surrogate: Fluorobenzene				*Recovery: 97%*	*Limits: 80-116*	*07/25/19 06:12*	*B9G0841*	*JL*	*1*
Surrogate: Toluene-d8				*Recovery: 98%*	*Limits: 73-120*	*07/25/19 06:12*	*B9G0841*	*JL*	*1*
Surrogate: 4-Bromofluorobenzene				*Recovery: 110%*	*Limits: 85-114*	*07/25/19 06:12*	*B9G0841*	*JL*	*1*
Surrogate: 1,2-Dichlorobenzene-d4				*Recovery: 130%*	*Limits: 88-136*	*07/25/19 06:12*	*B9G0841*	*JL*	*1*

Environmental Monitoring and Technologies, Inc.

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 06007
Work Order: 19G0671

Client Sample ID: MW-6S
Report Date: 07/26/2019
Collection Date: 07/16/2019 09:30
Matrix: Groundwater
Lab ID: 19G0671-04

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Volatile Organic Compounds by GC/MS									
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030									
1,1,1-Trichloroethane	< 0.349	2.00		ug/L	0.349	07/25/19 06:42	B9G0841	JL	1
1,1,2,2-Tetrachloroethane	< 0.291	2.00		ug/L	0.291	07/25/19 06:42	B9G0841	JL	1
1,1,2-Trichloroethane	< 0.264	2.00		ug/L	0.264	07/25/19 06:42	B9G0841	JL	1
1,1-Dichloroethane	< 1.94	8.00		ug/L	1.94	07/25/19 06:42	B9G0841	JL	1
1,1-Dichloroethene	< 1.02	4.00		ug/L	1.02	07/25/19 06:42	B9G0841	JL	1
1,2,4-Trimethylbenzene	< 0.338	2.00		ug/L	0.338	07/25/19 06:42	B9G0841	JL	1
1,2-Dibromo-3-chloropropane	< 0.488	2.00		ug/L	0.488	07/25/19 06:42	B9G0841	JL	1
1,2-Dibromoethane	< 0.320	2.00		ug/L	0.320	07/25/19 06:42	B9G0841	JL	1
1,2-Dichloroethane	< 0.274	2.00		ug/L	0.274	07/25/19 06:42	B9G0841	JL	1
1,2-Dichloropropane	< 1.11	4.00		ug/L	1.11	07/25/19 06:42	B9G0841	JL	1
1,3,5-Trimethylbenzene	< 0.310	2.00		ug/L	0.310	07/25/19 06:42	B9G0841	JL	1
1-Butanol	< 6.69	90.0		ug/L	6.69	07/25/19 06:42	B9G0841	JL	1
2-Butanone	< 1.38	8.00		ug/L	1.38	07/25/19 06:42	B9G0841	JL	1
2-Hexanone	< 1.04	8.00		ug/L	1.04	07/25/19 06:42	B9G0841	JL	1
4-Methyl-2-pentanone	< 0.660	28.0		ug/L	0.660	07/25/19 06:42	B9G0841	JL	1
Acetone	**5.46**	28.0	J	ug/L	3.75	07/25/19 06:42	B9G0841	JL	1
Acrolein	< 6.63	20.0		ug/L	6.63	07/25/19 06:42	B9G0841	JL	1
Acrylonitrile	< 0.742	4.00		ug/L	0.742	07/25/19 06:42	B9G0841	JL	1
Benzene	< 0.370	2.00		ug/L	0.370	07/25/19 06:42	B9G0841	JL	1
Bromodichloromethane	< 0.310	2.00		ug/L	0.310	07/25/19 06:42	B9G0841	JL	1
Bromoform	< 0.254	2.00		ug/L	0.254	07/25/19 06:42	B9G0841	JL	1
Bromomethane	< 3.30	20.0		ug/L	3.30	07/25/19 06:42	B9G0841	JL	1
Carbon disulfide	< 0.259	2.00		ug/L	0.259	07/25/19 06:42	B9G0841	JL	1
Carbon tetrachloride	< 0.390	2.00		ug/L	0.390	07/25/19 06:42	B9G0841	JL	1
Chlorobenzene	< 0.358	2.00		ug/L	0.358	07/25/19 06:42	B9G0841	JL	1
Chloroethane	< 0.906	4.00		ug/L	0.906	07/25/19 06:42	B9G0841	JL	1
Chloroform	< 0.397	2.00		ug/L	0.397	07/25/19 06:42	B9G0841	JL	1
Chloromethane	< 2.23	8.00		ug/L	2.23	07/25/19 06:42	B9G0841	JL	1
cis-1,2-Dichloroethene	**2.44**	2.00		ug/L	0.421	07/25/19 06:42	B9G0841	JL	1
cis-1,3-Dichloropropene	< 0.278	2.00		ug/L	0.278	07/25/19 06:42	B9G0841	JL	1
Dibromochloromethane	< 0.492	2.00		ug/L	0.492	07/25/19 06:42	B9G0841	JL	1
Ethylbenzene	< 0.431	2.00		ug/L	0.431	07/25/19 06:42	B9G0841	JL	1
m,p-Xylene	< 0.310	4.00		ug/L	0.310	07/25/19 06:42	B9G0841	JL	1
Methyl tert-butyl ether	**2.29**	2.00		ug/L	0.322	07/25/19 06:42	B9G0841	JL	1
Methylene chloride	**0.530**	2.00	J	ug/L	0.358	07/25/19 06:42	B9G0841	JL	1
o-Xylene	< 0.349	2.00		ug/L	0.349	07/25/19 06:42	B9G0841	JL	1
Styrene	< 0.534	4.00		ug/L	0.534	07/25/19 06:42	B9G0841	JL	1
Tetrachloroethene	< 0.400	2.00		ug/L	0.400	07/25/19 06:42	B9G0841	JL	1
Toluene	< 0.299	2.00		ug/L	0.299	07/25/19 06:42	B9G0841	JL	1
trans-1,2-Dichloroethene	< 0.433	2.00		ug/L	0.433	07/25/19 06:42	B9G0841	JL	1
trans-1,3-Dichloropropene	< 0.314	2.00		ug/L	0.314	07/25/19 06:42	B9G0841	JL	1
Trichloroethene	**21.6**	2.00		ug/L	0.439	07/25/19 06:42	B9G0841	JL	1
Vinyl acetate	< 1.01	8.00		ug/L	1.01	07/25/19 06:42	B9G0841	JL	1
Vinyl chloride	**2.66**	2.00		ug/L	0.316	07/25/19 06:42	B9G0841	JL	1
Xylenes, Total	< 0.660	6.00		ug/L	0.660	07/25/19 06:42	B9G0841	JL	1
1,3-Dichloropropene, Total	< 0.592	4.00		ug/L	0.592	07/25/19 06:42	B9G0841	JL	1

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
06007
Work Order: 19G0671

Client Sample ID: MW-6S
Report Date: 07/26/2019
Collection Date: 07/16/2019 09:30
Matrix: Groundwater
Lab ID: 19G0671-04 (Continued)

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Volatile Organic Compounds by GC/MS (Continued)									
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 (Continued)									
Surrogate: Dibromofluoromethane				*Recovery: 107%*	*Limits: 80-135*	*07/25/19 06:42*	*B9G0841*	*JL*	*1*
Surrogate: 1,2-Dichloroethane-d4				*Recovery: 108%*	*Limits: 86-132*	*07/25/19 06:42*	*B9G0841*	*JL*	*1*
Surrogate: Fluorobenzene				*Recovery: 98%*	*Limits: 80-116*	*07/25/19 06:42*	*B9G0841*	*JL*	*1*
Surrogate: Toluene-d8				*Recovery: 97%*	*Limits: 73-120*	*07/25/19 06:42*	*B9G0841*	*JL*	*1*
Surrogate: 4-Bromofluorobenzene				*Recovery: 112%*	*Limits: 85-114*	*07/25/19 06:42*	*B9G0841*	*JL*	*1*
Surrogate: 1,2-Dichlorobenzene-d4				*Recovery: 117%*	*Limits: 88-136*	*07/25/19 06:42*	*B9G0841*	*JL*	*1*

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 06007
Work Order: 19G0671

Client Sample ID: MW-8
Report Date: 07/26/2019
Collection Date: 07/16/2019 09:45
Matrix: Groundwater
Lab ID: 19G0671-05

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Volatile Organic Compounds by GC/MS									
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030									
1,1,1-Trichloroethane	< 0.349	2.00		ug/L	0.349	07/25/19 07:12	B9G0841	JL	1
1,1,2,2-Tetrachloroethane	< 0.291	2.00		ug/L	0.291	07/25/19 07:12	B9G0841	JL	1
1,1,2-Trichloroethane	< 0.264	2.00		ug/L	0.264	07/25/19 07:12	B9G0841	JL	1
1,1-Dichloroethane	< 1.94	8.00		ug/L	1.94	07/25/19 07:12	B9G0841	JL	1
1,1-Dichloroethene	< 1.02	4.00		ug/L	1.02	07/25/19 07:12	B9G0841	JL	1
1,2,4-Trimethylbenzene	< 0.338	2.00		ug/L	0.338	07/25/19 07:12	B9G0841	JL	1
1,2-Dibromo-3-chloropropane	< 0.488	2.00		ug/L	0.488	07/25/19 07:12	B9G0841	JL	1
1,2-Dibromoethane	< 0.320	2.00		ug/L	0.320	07/25/19 07:12	B9G0841	JL	1
1,2-Dichloroethane	< 0.274	2.00		ug/L	0.274	07/25/19 07:12	B9G0841	JL	1
1,2-Dichloropropane	< 1.11	4.00		ug/L	1.11	07/25/19 07:12	B9G0841	JL	1
1,3,5-Trimethylbenzene	< 0.310	2.00		ug/L	0.310	07/25/19 07:12	B9G0841	JL	1
1-Butanol	< 6.69	90.0		ug/L	6.69	07/25/19 07:12	B9G0841	JL	1
2-Butanone	< 1.38	8.00		ug/L	1.38	07/25/19 07:12	B9G0841	JL	1
2-Hexanone	< 1.04	8.00		ug/L	1.04	07/25/19 07:12	B9G0841	JL	1
4-Methyl-2-pentanone	< 0.660	28.0		ug/L	0.660	07/25/19 07:12	B9G0841	JL	1
Acetone	< 3.75	28.0		ug/L	3.75	07/25/19 07:12	B9G0841	JL	1
Acrolein	< 6.63	20.0		ug/L	6.63	07/25/19 07:12	B9G0841	JL	1
Acrylonitrile	< 0.742	4.00		ug/L	0.742	07/25/19 07:12	B9G0841	JL	1
Benzene	< 0.370	2.00		ug/L	0.370	07/25/19 07:12	B9G0841	JL	1
Bromodichloromethane	< 0.310	2.00		ug/L	0.310	07/25/19 07:12	B9G0841	JL	1
Bromoform	< 0.254	2.00		ug/L	0.254	07/25/19 07:12	B9G0841	JL	1
Bromomethane	< 3.30	20.0		ug/L	3.30	07/25/19 07:12	B9G0841	JL	1
Carbon disulfide	< 0.259	2.00		ug/L	0.259	07/25/19 07:12	B9G0841	JL	1
Carbon tetrachloride	< 0.390	2.00		ug/L	0.390	07/25/19 07:12	B9G0841	JL	1
Chlorobenzene	< 0.358	2.00		ug/L	0.358	07/25/19 07:12	B9G0841	JL	1
Chloroethane	< 0.906	4.00		ug/L	0.906	07/25/19 07:12	B9G0841	JL	1
Chloroform	< 0.397	2.00		ug/L	0.397	07/25/19 07:12	B9G0841	JL	1
Chloromethane	< 2.23	8.00		ug/L	2.23	07/25/19 07:12	B9G0841	JL	1
cis-1,2-Dichloroethene	< 0.421	2.00		ug/L	0.421	07/25/19 07:12	B9G0841	JL	1
cis-1,3-Dichloropropene	< 0.278	2.00		ug/L	0.278	07/25/19 07:12	B9G0841	JL	1
Dibromochloromethane	< 0.492	2.00		ug/L	0.492	07/25/19 07:12	B9G0841	JL	1
Ethylbenzene	< 0.431	2.00		ug/L	0.431	07/25/19 07:12	B9G0841	JL	1
m,p-Xylene	< 0.310	4.00		ug/L	0.310	07/25/19 07:12	B9G0841	JL	1
Methyl tert-butyl ether	< 0.322	2.00		ug/L	0.322	07/25/19 07:12	B9G0841	JL	1
Methylene chloride	< 0.358	2.00		ug/L	0.358	07/25/19 07:12	B9G0841	JL	1
o-Xylene	< 0.349	2.00		ug/L	0.349	07/25/19 07:12	B9G0841	JL	1
Styrene	< 0.534	4.00		ug/L	0.534	07/25/19 07:12	B9G0841	JL	1
Tetrachloroethene	< 0.400	2.00		ug/L	0.400	07/25/19 07:12	B9G0841	JL	1
Toluene	< 0.299	2.00		ug/L	0.299	07/25/19 07:12	B9G0841	JL	1
trans-1,2-Dichloroethene	< 0.433	2.00		ug/L	0.433	07/25/19 07:12	B9G0841	JL	1
trans-1,3-Dichloropropene	< 0.314	2.00		ug/L	0.314	07/25/19 07:12	B9G0841	JL	1
Trichloroethene	**3.08**	2.00		ug/L	0.439	07/25/19 07:12	B9G0841	JL	1
Vinyl acetate	< 1.01	8.00		ug/L	1.01	07/25/19 07:12	B9G0841	JL	1
Vinyl chloride	< 0.316	2.00		ug/L	0.316	07/25/19 07:12	B9G0841	JL	1
Xylenes, Total	< 0.660	6.00		ug/L	0.660	07/25/19 07:12	B9G0841	JL	1
1,3-Dichloropropene, Total	< 0.592	4.00		ug/L	0.592	07/25/19 07:12	B9G0841	JL	1

Environmental Monitoring and Technologies, Inc.

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
06007
Work Order: 19G0671

Client Sample ID: MW-8
Report Date: 07/26/2019
Collection Date: 07/16/2019 09:45
Matrix: Groundwater
Lab ID: 19G0671-05 (Continued)

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Volatile Organic Compounds by GC/MS (Continued)									
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 (Continued)									
Surrogate: Dibromofluoromethane					*Recovery: 108%*	*Limits: 80-135*	*07/25/19 07:12*	*B9G0841*	*JL*	*1*
Surrogate: 1,2-Dichloroethane-d4					*Recovery: 108%*	*Limits: 86-132*	*07/25/19 07:12*	*B9G0841*	*JL*	*1*
Surrogate: Fluorobenzene					*Recovery: 99%*	*Limits: 80-116*	*07/25/19 07:12*	*B9G0841*	*JL*	*1*
Surrogate: Toluene-d8					*Recovery: 97%*	*Limits: 73-120*	*07/25/19 07:12*	*B9G0841*	*JL*	*1*
Surrogate: 4-Bromofluorobenzene					*Recovery: 114%*	*Limits: 85-114*	*07/25/19 07:12*	*B9G0841*	*JL*	*1*
Surrogate: 1,2-Dichlorobenzene-d4					*Recovery: 116%*	*Limits: 88-136*	*07/25/19 07:12*	*B9G0841*	*JL*	*1*

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 06007
Work Order: 19G0671

Client Sample ID: MW-11
Report Date: 07/26/2019
Collection Date: 07/16/2019 10:00
Matrix: Groundwater
Lab ID: 19G0671-06

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Volatile Organic Compounds by GC/MS									
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030									
1,1,1-Trichloroethane	< 0.349	2.00		ug/L	0.349	07/25/19 07:42	B9G0841	JL	1
1,1,2,2-Tetrachloroethane	< 0.291	2.00		ug/L	0.291	07/25/19 07:42	B9G0841	JL	1
1,1,2-Trichloroethane	< 0.264	2.00		ug/L	0.264	07/25/19 07:42	B9G0841	JL	1
1,1-Dichloroethane	< 1.94	8.00		ug/L	1.94	07/25/19 07:42	B9G0841	JL	1
1,1-Dichloroethene	< 1.02	4.00		ug/L	1.02	07/25/19 07:42	B9G0841	JL	1
1,2,4-Trimethylbenzene	< 0.338	2.00		ug/L	0.338	07/25/19 07:42	B9G0841	JL	1
1,2-Dibromo-3-chloropropane	< 0.488	2.00		ug/L	0.488	07/25/19 07:42	B9G0841	JL	1
1,2-Dibromoethane	< 0.320	2.00		ug/L	0.320	07/25/19 07:42	B9G0841	JL	1
1,2-Dichloroethane	< 0.274	2.00		ug/L	0.274	07/25/19 07:42	B9G0841	JL	1
1,2-Dichloropropane	< 1.11	4.00		ug/L	1.11	07/25/19 07:42	B9G0841	JL	1
1,3,5-Trimethylbenzene	< 0.310	2.00		ug/L	0.310	07/25/19 07:42	B9G0841	JL	1
1-Butanol	< 6.69	90.0		ug/L	6.69	07/25/19 07:42	B9G0841	JL	1
2-Butanone	< 1.38	8.00		ug/L	1.38	07/25/19 07:42	B9G0841	JL	1
2-Hexanone	< 1.04	8.00		ug/L	1.04	07/25/19 07:42	B9G0841	JL	1
4-Methyl-2-pentanone	< 0.660	28.0		ug/L	0.660	07/25/19 07:42	B9G0841	JL	1
Acetone	< 3.75	28.0		ug/L	3.75	07/25/19 07:42	B9G0841	JL	1
Acrolein	< 6.63	20.0		ug/L	6.63	07/25/19 07:42	B9G0841	JL	1
Acrylonitrile	< 0.742	4.00		ug/L	0.742	07/25/19 07:42	B9G0841	JL	1
Benzene	< 0.370	2.00		ug/L	0.370	07/25/19 07:42	B9G0841	JL	1
Bromodichloromethane	< 0.310	2.00		ug/L	0.310	07/25/19 07:42	B9G0841	JL	1
Bromoform	< 0.254	2.00		ug/L	0.254	07/25/19 07:42	B9G0841	JL	1
Bromomethane	< 3.30	20.0		ug/L	3.30	07/25/19 07:42	B9G0841	JL	1
Carbon disulfide	< 0.259	2.00		ug/L	0.259	07/25/19 07:42	B9G0841	JL	1
Carbon tetrachloride	< 0.390	2.00		ug/L	0.390	07/25/19 07:42	B9G0841	JL	1
Chlorobenzene	< 0.358	2.00		ug/L	0.358	07/25/19 07:42	B9G0841	JL	1
Chloroethane	< 0.906	4.00		ug/L	0.906	07/25/19 07:42	B9G0841	JL	1
Chloroform	< 0.397	2.00		ug/L	0.397	07/25/19 07:42	B9G0841	JL	1
Chloromethane	< 2.23	8.00		ug/L	2.23	07/25/19 07:42	B9G0841	JL	1
cis-1,2-Dichloroethene	**1.42**	2.00	J	ug/L	0.421	07/25/19 07:42	B9G0841	JL	1
cis-1,3-Dichloropropene	< 0.278	2.00		ug/L	0.278	07/25/19 07:42	B9G0841	JL	1
Dibromochloromethane	< 0.492	2.00		ug/L	0.492	07/25/19 07:42	B9G0841	JL	1
Ethylbenzene	< 0.431	2.00		ug/L	0.431	07/25/19 07:42	B9G0841	JL	1
m,p-Xylene	< 0.310	4.00		ug/L	0.310	07/25/19 07:42	B9G0841	JL	1
Methyl tert-butyl ether	< 0.322	2.00		ug/L	0.322	07/25/19 07:42	B9G0841	JL	1
Methylene chloride	< 0.358	2.00		ug/L	0.358	07/25/19 07:42	B9G0841	JL	1
o-Xylene	< 0.349	2.00		ug/L	0.349	07/25/19 07:42	B9G0841	JL	1
Styrene	< 0.534	4.00		ug/L	0.534	07/25/19 07:42	B9G0841	JL	1
Tetrachloroethene	< 0.400	2.00		ug/L	0.400	07/25/19 07:42	B9G0841	JL	1
Toluene	< 0.299	2.00		ug/L	0.299	07/25/19 07:42	B9G0841	JL	1
trans-1,2-Dichloroethene	< 0.433	2.00		ug/L	0.433	07/25/19 07:42	B9G0841	JL	1
trans-1,3-Dichloropropene	< 0.314	2.00		ug/L	0.314	07/25/19 07:42	B9G0841	JL	1
Trichloroethene	**1.67**	2.00	J	ug/L	0.439	07/25/19 07:42	B9G0841	JL	1
Vinyl acetate	< 1.01	8.00		ug/L	1.01	07/25/19 07:42	B9G0841	JL	1
Vinyl chloride	< 0.316	2.00		ug/L	0.316	07/25/19 07:42	B9G0841	JL	1
Xylenes, Total	< 0.660	6.00		ug/L	0.660	07/25/19 07:42	B9G0841	JL	1
1,3-Dichloropropene, Total	< 0.592	4.00		ug/L	0.592	07/25/19 07:42	B9G0841	JL	1

Environmental Monitoring and Technologies, Inc.

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 06007
Work Order: 19G0671

Client Sample ID: MW-11
Report Date: 07/26/2019
Collection Date: 07/16/2019 10:00
Matrix: Groundwater
Lab ID: 19G0671-06 (Continued)

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Volatile Organic Compounds by GC/MS (Continued)									
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 (Continued)									
Surrogate: Dibromofluoromethane				*Recovery: 110%*	*Limits: 80-135*	*07/25/19 07:42*	*B9G0841*	*JL*	*1*
Surrogate: 1,2-Dichloroethane-d4				*Recovery: 106%*	*Limits: 86-132*	*07/25/19 07:42*	*B9G0841*	*JL*	*1*
Surrogate: Fluorobenzene				*Recovery: 97%*	*Limits: 80-116*	*07/25/19 07:42*	*B9G0841*	*JL*	*1*
Surrogate: Toluene-d8				*Recovery: 96%*	*Limits: 73-120*	*07/25/19 07:42*	*B9G0841*	*JL*	*1*
Surrogate: 4-Bromofluorobenzene				*Recovery: 113%*	*Limits: 85-114*	*07/25/19 07:42*	*B9G0841*	*JL*	*1*
Surrogate: 1,2-Dichlorobenzene-d4				*Recovery: 117%*	*Limits: 88-136*	*07/25/19 07:42*	*B9G0841*	*JL*	*1*

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 06007
Work Order: 19G0671

Client Sample ID: MW-13
Report Date: 07/26/2019
Collection Date: 07/16/2019 10:15
Matrix: Groundwater
Lab ID: 19G0671-07

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Volatile Organic Compounds by GC/MS									
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030									
1,1,1-Trichloroethane	**1.23**	2.00	J	ug/L	0.349	07/25/19 08:12	B9G0841	JL	1
1,1,2,2-Tetrachloroethane	< 0.291	2.00		ug/L	0.291	07/25/19 08:12	B9G0841	JL	1
1,1,2-Trichloroethane	< 0.264	2.00		ug/L	0.264	07/25/19 08:12	B9G0841	JL	1
1,1-Dichloroethane	< 1.94	8.00		ug/L	1.94	07/25/19 08:12	B9G0841	JL	1
1,1-Dichloroethene	< 1.02	4.00		ug/L	1.02	07/25/19 08:12	B9G0841	JL	1
1,2,4-Trimethylbenzene	< 0.338	2.00		ug/L	0.338	07/25/19 08:12	B9G0841	JL	1
1,2-Dibromo-3-chloropropane	< 0.488	2.00		ug/L	0.488	07/25/19 08:12	B9G0841	JL	1
1,2-Dibromoethane	< 0.320	2.00		ug/L	0.320	07/25/19 08:12	B9G0841	JL	1
1,2-Dichloroethane	< 0.274	2.00		ug/L	0.274	07/25/19 08:12	B9G0841	JL	1
1,2-Dichloropropane	< 1.11	4.00		ug/L	1.11	07/25/19 08:12	B9G0841	JL	1
1,3,5-Trimethylbenzene	< 0.310	2.00		ug/L	0.310	07/25/19 08:12	B9G0841	JL	1
1-Butanol	< 6.69	90.0		ug/L	6.69	07/25/19 08:12	B9G0841	JL	1
2-Butanone	< 1.38	8.00		ug/L	1.38	07/25/19 08:12	B9G0841	JL	1
2-Hexanone	< 1.04	8.00		ug/L	1.04	07/25/19 08:12	B9G0841	JL	1
4-Methyl-2-pentanone	< 0.660	28.0		ug/L	0.660	07/25/19 08:12	B9G0841	JL	1
Acetone	< 3.75	28.0		ug/L	3.75	07/25/19 08:12	B9G0841	JL	1
Acrolein	< 6.63	20.0		ug/L	6.63	07/25/19 08:12	B9G0841	JL	1
Acrylonitrile	< 0.742	4.00		ug/L	0.742	07/25/19 08:12	B9G0841	JL	1
Benzene	< 0.370	2.00		ug/L	0.370	07/25/19 08:12	B9G0841	JL	1
Bromodichloromethane	< 0.310	2.00		ug/L	0.310	07/25/19 08:12	B9G0841	JL	1
Bromoform	< 0.254	2.00		ug/L	0.254	07/25/19 08:12	B9G0841	JL	1
Bromomethane	< 3.30	20.0		ug/L	3.30	07/25/19 08:12	B9G0841	JL	1
Carbon disulfide	< 0.259	2.00		ug/L	0.259	07/25/19 08:12	B9G0841	JL	1
Carbon tetrachloride	< 0.390	2.00		ug/L	0.390	07/25/19 08:12	B9G0841	JL	1
Chlorobenzene	< 0.358	2.00		ug/L	0.358	07/25/19 08:12	B9G0841	JL	1
Chloroethane	< 0.906	4.00		ug/L	0.906	07/25/19 08:12	B9G0841	JL	1
Chloroform	< 0.397	2.00		ug/L	0.397	07/25/19 08:12	B9G0841	JL	1
Chloromethane	< 2.23	8.00		ug/L	2.23	07/25/19 08:12	B9G0841	JL	1
cis-1,2-Dichloroethene	**15.7**	2.00		ug/L	0.421	07/25/19 08:12	B9G0841	JL	1
cis-1,3-Dichloropropene	< 0.278	2.00		ug/L	0.278	07/25/19 08:12	B9G0841	JL	1
Dibromochloromethane	< 0.492	2.00		ug/L	0.492	07/25/19 08:12	B9G0841	JL	1
Ethylbenzene	< 0.431	2.00		ug/L	0.431	07/25/19 08:12	B9G0841	JL	1
m,p-Xylene	< 0.310	4.00		ug/L	0.310	07/25/19 08:12	B9G0841	JL	1
Methyl tert-butyl ether	< 0.322	2.00		ug/L	0.322	07/25/19 08:12	B9G0841	JL	1
Methylene chloride	< 0.358	2.00		ug/L	0.358	07/25/19 08:12	B9G0841	JL	1
o-Xylene	< 0.349	2.00		ug/L	0.349	07/25/19 08:12	B9G0841	JL	1
Styrene	< 0.534	4.00		ug/L	0.534	07/25/19 08:12	B9G0841	JL	1
Tetrachloroethene	< 0.400	2.00		ug/L	0.400	07/25/19 08:12	B9G0841	JL	1
Toluene	< 0.299	2.00		ug/L	0.299	07/25/19 08:12	B9G0841	JL	1
trans-1,2-Dichloroethene	< 0.433	2.00		ug/L	0.433	07/25/19 08:12	B9G0841	JL	1
trans-1,3-Dichloropropene	< 0.314	2.00		ug/L	0.314	07/25/19 08:12	B9G0841	JL	1
Trichloroethene	**18.6**	2.00		ug/L	0.439	07/25/19 08:12	B9G0841	JL	1
Vinyl acetate	< 1.01	8.00		ug/L	1.01	07/25/19 08:12	B9G0841	JL	1
Vinyl chloride	< 0.316	2.00		ug/L	0.316	07/25/19 08:12	B9G0841	JL	1
Xylenes, Total	< 0.660	6.00		ug/L	0.660	07/25/19 08:12	B9G0841	JL	1
1,3-Dichloropropene, Total	< 0.592	4.00		ug/L	0.592	07/25/19 08:12	B9G0841	JL	1

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
06007
Work Order: 19G0671

Client Sample ID: MW-13
Report Date: 07/26/2019
Collection Date: 07/16/2019 10:15
Matrix: Groundwater
Lab ID: 19G0671-07 (Continued)

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Volatile Organic Compounds by GC/MS (Continued)									
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 (Continued)									
Surrogate: Dibromofluoromethane				*Recovery: 111%*	*Limits: 80-135*	*07/25/19 08:12*	*B9G0841*	*JL*	*1*
Surrogate: 1,2-Dichloroethane-d4				*Recovery: 110%*	*Limits: 86-132*	*07/25/19 08:12*	*B9G0841*	*JL*	*1*
Surrogate: Fluorobenzene				*Recovery: 97%*	*Limits: 80-116*	*07/25/19 08:12*	*B9G0841*	*JL*	*1*
Surrogate: Toluene-d8				*Recovery: 97%*	*Limits: 73-120*	*07/25/19 08:12*	*B9G0841*	*JL*	*1*
Surrogate: 4-Bromofluorobenzene				*Recovery: 112%*	*Limits: 85-114*	*07/25/19 08:12*	*B9G0841*	*JL*	*1*
Surrogate: 1,2-Dichlorobenzene-d4				*Recovery: 116%*	*Limits: 88-136*	*07/25/19 08:12*	*B9G0841*	*JL*	*1*

Environmental Monitoring and Technologies, Inc.

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 06007
Work Order: 19G0671

Client Sample ID: MW-14
Report Date: 07/26/2019
Collection Date: 07/16/2019 10:30
Matrix: Groundwater
Lab ID: 19G0671-08

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Volatile Organic Compounds by GC/MS									
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030									
1,1,1-Trichloroethane	**130**	2.00		ug/L	0.349	07/25/19 08:41	B9G0841	JL	1
1,1,2,2-Tetrachloroethane	< 0.291	2.00		ug/L	0.291	07/25/19 08:41	B9G0841	JL	1
1,1,2-Trichloroethane	< 0.264	2.00		ug/L	0.264	07/25/19 08:41	B9G0841	JL	1
1,1-Dichloroethane	**16.4**	8.00		ug/L	1.94	07/25/19 08:41	B9G0841	JL	1
1,1-Dichloroethene	**8.30**	4.00		ug/L	1.02	07/25/19 08:41	B9G0841	JL	1
1,2,4-Trimethylbenzene	< 0.338	2.00		ug/L	0.338	07/25/19 08:41	B9G0841	JL	1
1,2-Dibromo-3-chloropropane	< 0.488	2.00		ug/L	0.488	07/25/19 08:41	B9G0841	JL	1
1,2-Dibromoethane	< 0.320	2.00		ug/L	0.320	07/25/19 08:41	B9G0841	JL	1
1,2-Dichloroethane	< 0.274	2.00		ug/L	0.274	07/25/19 08:41	B9G0841	JL	1
1,2-Dichloropropane	< 1.11	4.00		ug/L	1.11	07/25/19 08:41	B9G0841	JL	1
1,3,5-Trimethylbenzene	< 0.310	2.00		ug/L	0.310	07/25/19 08:41	B9G0841	JL	1
1-Butanol	< 6.69	90.0		ug/L	6.69	07/25/19 08:41	B9G0841	JL	1
2-Butanone	< 1.38	8.00		ug/L	1.38	07/25/19 08:41	B9G0841	JL	1
2-Hexanone	< 1.04	8.00		ug/L	1.04	07/25/19 08:41	B9G0841	JL	1
4-Methyl-2-pentanone	< 0.660	28.0		ug/L	0.660	07/25/19 08:41	B9G0841	JL	1
Acetone	< 3.75	28.0		ug/L	3.75	07/25/19 08:41	B9G0841	JL	1
Acrolein	< 6.63	20.0		ug/L	6.63	07/25/19 08:41	B9G0841	JL	1
Acrylonitrile	< 0.742	4.00		ug/L	0.742	07/25/19 08:41	B9G0841	JL	1
Benzene	< 0.370	2.00		ug/L	0.370	07/25/19 08:41	B9G0841	JL	1
Bromodichloromethane	< 0.310	2.00		ug/L	0.310	07/25/19 08:41	B9G0841	JL	1
Bromoform	< 0.254	2.00		ug/L	0.254	07/25/19 08:41	B9G0841	JL	1
Bromomethane	< 3.30	20.0		ug/L	3.30	07/25/19 08:41	B9G0841	JL	1
Carbon disulfide	< 0.259	2.00		ug/L	0.259	07/25/19 08:41	B9G0841	JL	1
Carbon tetrachloride	< 0.390	2.00		ug/L	0.390	07/25/19 08:41	B9G0841	JL	1
Chlorobenzene	< 0.358	2.00		ug/L	0.358	07/25/19 08:41	B9G0841	JL	1
Chloroethane	< 0.906	4.00		ug/L	0.906	07/25/19 08:41	B9G0841	JL	1
Chloroform	< 0.397	2.00		ug/L	0.397	07/25/19 08:41	B9G0841	JL	1
Chloromethane	< 2.23	8.00		ug/L	2.23	07/25/19 08:41	B9G0841	JL	1
cis-1,2-Dichloroethene	**4.72**	2.00		ug/L	0.421	07/25/19 08:41	B9G0841	JL	1
cis-1,3-Dichloropropene	< 0.278	2.00		ug/L	0.278	07/25/19 08:41	B9G0841	JL	1
Dibromochloromethane	< 0.492	2.00		ug/L	0.492	07/25/19 08:41	B9G0841	JL	1
Ethylbenzene	< 0.431	2.00		ug/L	0.431	07/25/19 08:41	B9G0841	JL	1
m,p-Xylene	< 0.310	4.00		ug/L	0.310	07/25/19 08:41	B9G0841	JL	1
Methyl tert-butyl ether	**0.530**	2.00	J	ug/L	0.322	07/25/19 08:41	B9G0841	JL	1
Methylene chloride	< 0.358	2.00		ug/L	0.358	07/25/19 08:41	B9G0841	JL	1
o-Xylene	< 0.349	2.00		ug/L	0.349	07/25/19 08:41	B9G0841	JL	1
Styrene	< 0.534	4.00		ug/L	0.534	07/25/19 08:41	B9G0841	JL	1
Tetrachloroethene	< 0.400	2.00		ug/L	0.400	07/25/19 08:41	B9G0841	JL	1
Toluene	< 0.299	2.00		ug/L	0.299	07/25/19 08:41	B9G0841	JL	1
trans-1,2-Dichloroethene	< 0.433	2.00		ug/L	0.433	07/25/19 08:41	B9G0841	JL	1
trans-1,3-Dichloropropene	< 0.314	2.00		ug/L	0.314	07/25/19 08:41	B9G0841	JL	1
Trichloroethene	**158**	2.00		ug/L	0.439	07/25/19 08:41	B9G0841	JL	1
Vinyl acetate	< 1.01	8.00		ug/L	1.01	07/25/19 08:41	B9G0841	JL	1
Vinyl chloride	**1.05**	2.00	J	ug/L	0.316	07/25/19 08:41	B9G0841	JL	1
Xylenes, Total	< 0.660	6.00		ug/L	0.660	07/25/19 08:41	B9G0841	JL	1
1,3-Dichloropropene, Total	< 0.592	4.00		ug/L	0.592	07/25/19 08:41	B9G0841	JL	1

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 06007
Work Order: 19G0671

Client Sample ID: MW-14
Report Date: 07/26/2019
Collection Date: 07/16/2019 10:30
Matrix: Groundwater
Lab ID: 19G0671-08 (Continued)

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Volatile Organic Compounds by GC/MS (Continued)									
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 (Continued)									
Surrogate: Dibromofluoromethane				*Recovery: 107%*	*Limits: 80-135*	*07/25/19 08:41*	*B9G0841*	*JL*	*1*
Surrogate: 1,2-Dichloroethane-d4				*Recovery: 105%*	*Limits: 86-132*	*07/25/19 08:41*	*B9G0841*	*JL*	*1*
Surrogate: Fluorobenzene				*Recovery: 97%*	*Limits: 80-116*	*07/25/19 08:41*	*B9G0841*	*JL*	*1*
Surrogate: Toluene-d8				*Recovery: 101%*	*Limits: 73-120*	*07/25/19 08:41*	*B9G0841*	*JL*	*1*
Surrogate: 4-Bromofluorobenzene				*Recovery: 113%*	*Limits: 85-114*	*07/25/19 08:41*	*B9G0841*	*JL*	*1*
Surrogate: 1,2-Dichlorobenzene-d4				*Recovery: 112%*	*Limits: 88-136*	*07/25/19 08:41*	*B9G0841*	*JL*	*1*

Environmental Monitoring and Technologies, Inc.

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 06007
Work Order: 19G0671

Client Sample ID: MW-4B DUP
Report Date: 07/26/2019
Collection Date: 07/16/2019 09:00
Matrix: Groundwater
Lab ID: 19G0671-09

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Volatile Organic Compounds by GC/MS									
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030									
1,1,1-Trichloroethane	**1.68**	2.00	J	ug/L	0.349	07/25/19 09:11	B9G0841	JL	1
1,1,2,2-Tetrachloroethane	< 0.291	2.00		ug/L	0.291	07/25/19 09:11	B9G0841	JL	1
1,1,2-Trichloroethane	< 0.264	2.00		ug/L	0.264	07/25/19 09:11	B9G0841	JL	1
1,1-Dichloroethane	**4.65**	8.00	J	ug/L	1.94	07/25/19 09:11	B9G0841	JL	1
1,1-Dichloroethene	**1.78**	4.00	J	ug/L	1.02	07/25/19 09:11	B9G0841	JL	1
1,2,4-Trimethylbenzene	< 0.338	2.00		ug/L	0.338	07/25/19 09:11	B9G0841	JL	1
1,2-Dibromo-3-chloropropane	< 0.488	2.00		ug/L	0.488	07/25/19 09:11	B9G0841	JL	1
1,2-Dibromoethane	< 0.320	2.00		ug/L	0.320	07/25/19 09:11	B9G0841	JL	1
1,2-Dichloroethane	< 0.274	2.00		ug/L	0.274	07/25/19 09:11	B9G0841	JL	1
1,2-Dichloropropane	< 1.11	4.00		ug/L	1.11	07/25/19 09:11	B9G0841	JL	1
1,3,5-Trimethylbenzene	< 0.310	2.00		ug/L	0.310	07/25/19 09:11	B9G0841	JL	1
1-Butanol	< 6.69	90.0		ug/L	6.69	07/25/19 09:11	B9G0841	JL	1
2-Butanone	< 1.38	8.00		ug/L	1.38	07/25/19 09:11	B9G0841	JL	1
2-Hexanone	< 1.04	8.00		ug/L	1.04	07/25/19 09:11	B9G0841	JL	1
4-Methyl-2-pentanone	< 0.660	28.0		ug/L	0.660	07/25/19 09:11	B9G0841	JL	1
Acetone	< 3.75	28.0		ug/L	3.75	07/25/19 09:11	B9G0841	JL	1
Acrolein	< 6.63	20.0		ug/L	6.63	07/25/19 09:11	B9G0841	JL	1
Acrylonitrile	< 0.742	4.00		ug/L	0.742	07/25/19 09:11	B9G0841	JL	1
Benzene	**0.640**	2.00	J	ug/L	0.370	07/25/19 09:11	B9G0841	JL	1
Bromodichloromethane	< 0.310	2.00		ug/L	0.310	07/25/19 09:11	B9G0841	JL	1
Bromoform	< 0.254	2.00		ug/L	0.254	07/25/19 09:11	B9G0841	JL	1
Bromomethane	< 3.30	20.0		ug/L	3.30	07/25/19 09:11	B9G0841	JL	1
Carbon disulfide	< 0.259	2.00		ug/L	0.259	07/25/19 09:11	B9G0841	JL	1
Carbon tetrachloride	< 0.390	2.00		ug/L	0.390	07/25/19 09:11	B9G0841	JL	1
Chlorobenzene	< 0.358	2.00		ug/L	0.358	07/25/19 09:11	B9G0841	JL	1
Chloroethane	< 0.906	4.00		ug/L	0.906	07/25/19 09:11	B9G0841	JL	1
Chloroform	< 0.397	2.00		ug/L	0.397	07/25/19 09:11	B9G0841	JL	1
Chloromethane	< 2.23	8.00		ug/L	2.23	07/25/19 09:11	B9G0841	JL	1
cis-1,2-Dichloroethene	**116**	2.00		ug/L	0.421	07/25/19 09:11	B9G0841	JL	1
cis-1,3-Dichloropropene	< 0.278	2.00		ug/L	0.278	07/25/19 09:11	B9G0841	JL	1
Dibromochloromethane	< 0.492	2.00		ug/L	0.492	07/25/19 09:11	B9G0841	JL	1
Ethylbenzene	< 0.431	2.00		ug/L	0.431	07/25/19 09:11	B9G0841	JL	1
m,p-Xylene	< 0.310	4.00		ug/L	0.310	07/25/19 09:11	B9G0841	JL	1
Methyl tert-butyl ether	**2.08**	2.00		ug/L	0.322	07/25/19 09:11	B9G0841	JL	1
Methylene chloride	< 0.358	2.00		ug/L	0.358	07/25/19 09:11	B9G0841	JL	1
o-Xylene	< 0.349	2.00		ug/L	0.349	07/25/19 09:11	B9G0841	JL	1
Styrene	< 0.534	4.00		ug/L	0.534	07/25/19 09:11	B9G0841	JL	1
Tetrachloroethene	< 0.400	2.00		ug/L	0.400	07/25/19 09:11	B9G0841	JL	1
Toluene	< 0.299	2.00		ug/L	0.299	07/25/19 09:11	B9G0841	JL	1
trans-1,2-Dichloroethene	**1.36**	2.00	J	ug/L	0.433	07/25/19 09:11	B9G0841	JL	1
trans-1,3-Dichloropropene	< 0.314	2.00		ug/L	0.314	07/25/19 09:11	B9G0841	JL	1
Trichloroethene	**163**	2.00		ug/L	0.439	07/25/19 09:11	B9G0841	JL	1
Vinyl acetate	< 1.01	8.00		ug/L	1.01	07/25/19 09:11	B9G0841	JL	1
Vinyl chloride	**1.63**	2.00	J	ug/L	0.316	07/25/19 09:11	B9G0841	JL	1
Xylenes, Total	< 0.660	6.00		ug/L	0.660	07/25/19 09:11	B9G0841	JL	1
1,3-Dichloropropene, Total	< 0.592	4.00		ug/L	0.592	07/25/19 09:11	B9G0841	JL	1

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 06007
Work Order: 19G0671

Client Sample ID: MW-4B DUP
Report Date: 07/26/2019
Collection Date: 07/16/2019 09:00
Matrix: Groundwater
Lab ID: 19G0671-09 (Continued)

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Volatile Organic Compounds by GC/MS (Continued)									
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 (Continued)									
Surrogate: Dibromofluoromethane				*Recovery: 103%*	*Limits: 80-135*	*07/25/19 09:11*	*B9G0841*	*JL*	*1*
Surrogate: 1,2-Dichloroethane-d4				*Recovery: 105%*	*Limits: 86-132*	*07/25/19 09:11*	*B9G0841*	*JL*	*1*
Surrogate: Fluorobenzene				*Recovery: 99%*	*Limits: 80-116*	*07/25/19 09:11*	*B9G0841*	*JL*	*1*
Surrogate: Toluene-d8				*Recovery: 100%*	*Limits: 73-120*	*07/25/19 09:11*	*B9G0841*	*JL*	*1*
Surrogate: 4-Bromofluorobenzene				*Recovery: 111%*	*Limits: 85-114*	*07/25/19 09:11*	*B9G0841*	*JL*	*1*
Surrogate: 1,2-Dichlorobenzene-d4				*Recovery: 114%*	*Limits: 88-136*	*07/25/19 09:11*	*B9G0841*	*JL*	*1*

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 06007
Work Order: 19G0671

Client Sample ID: Trip Blank
Report Date: 07/26/2019
Collection Date: 07/16/2019 00:00
Matrix: Groundwater
Lab ID: 19G0671-10

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Volatile Organic Compounds by GC/MS									
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030									
1,1,1-Trichloroethane	< 0.349	2.00		ug/L	0.349	07/25/19 10:11	B9G0841	JL	1
1,1,2,2-Tetrachloroethane	< 0.291	2.00		ug/L	0.291	07/25/19 10:11	B9G0841	JL	1
1,1,2-Trichloroethane	< 0.264	2.00		ug/L	0.264	07/25/19 10:11	B9G0841	JL	1
1,1-Dichloroethane	< 1.94	8.00		ug/L	1.94	07/25/19 10:11	B9G0841	JL	1
1,1-Dichloroethene	< 1.02	4.00		ug/L	1.02	07/25/19 10:11	B9G0841	JL	1
1,2,4-Trimethylbenzene	< 0.338	2.00		ug/L	0.338	07/25/19 10:11	B9G0841	JL	1
1,2-Dibromo-3-chloropropane	< 0.488	2.00		ug/L	0.488	07/25/19 10:11	B9G0841	JL	1
1,2-Dibromoethane	< 0.320	2.00		ug/L	0.320	07/25/19 10:11	B9G0841	JL	1
1,2-Dichloroethane	< 0.274	2.00		ug/L	0.274	07/25/19 10:11	B9G0841	JL	1
1,2-Dichloropropane	< 1.11	4.00		ug/L	1.11	07/25/19 10:11	B9G0841	JL	1
1,3,5-Trimethylbenzene	< 0.310	2.00		ug/L	0.310	07/25/19 10:11	B9G0841	JL	1
1-Butanol	< 6.69	90.0		ug/L	6.69	07/25/19 10:11	B9G0841	JL	1
2-Butanone	< 1.38	8.00		ug/L	1.38	07/25/19 10:11	B9G0841	JL	1
2-Hexanone	< 1.04	8.00		ug/L	1.04	07/25/19 10:11	B9G0841	JL	1
4-Methyl-2-pentanone	< 0.660	28.0		ug/L	0.660	07/25/19 10:11	B9G0841	JL	1
Acetone	< 3.75	28.0		ug/L	3.75	07/25/19 10:11	B9G0841	JL	1
Acrolein	< 6.63	20.0		ug/L	6.63	07/25/19 10:11	B9G0841	JL	1
Acrylonitrile	< 0.742	4.00		ug/L	0.742	07/25/19 10:11	B9G0841	JL	1
Benzene	< 0.370	2.00		ug/L	0.370	07/25/19 10:11	B9G0841	JL	1
Bromodichloromethane	< 0.310	2.00		ug/L	0.310	07/25/19 10:11	B9G0841	JL	1
Bromoform	< 0.254	2.00		ug/L	0.254	07/25/19 10:11	B9G0841	JL	1
Bromomethane	< 3.30	20.0		ug/L	3.30	07/25/19 10:11	B9G0841	JL	1
Carbon disulfide	< 0.259	2.00		ug/L	0.259	07/25/19 10:11	B9G0841	JL	1
Carbon tetrachloride	< 0.390	2.00		ug/L	0.390	07/25/19 10:11	B9G0841	JL	1
Chlorobenzene	< 0.358	2.00		ug/L	0.358	07/25/19 10:11	B9G0841	JL	1
Chloroethane	< 0.906	4.00		ug/L	0.906	07/25/19 10:11	B9G0841	JL	1
Chloroform	< 0.397	2.00		ug/L	0.397	07/25/19 10:11	B9G0841	JL	1
Chloromethane	< 2.23	8.00		ug/L	2.23	07/25/19 10:11	B9G0841	JL	1
cis-1,2-Dichloroethene	< 0.421	2.00		ug/L	0.421	07/25/19 10:11	B9G0841	JL	1
cis-1,3-Dichloropropene	< 0.278	2.00		ug/L	0.278	07/25/19 10:11	B9G0841	JL	1
Dibromochloromethane	< 0.492	2.00		ug/L	0.492	07/25/19 10:11	B9G0841	JL	1
Ethylbenzene	< 0.431	2.00		ug/L	0.431	07/25/19 10:11	B9G0841	JL	1
m,p-Xylene	< 0.310	4.00		ug/L	0.310	07/25/19 10:11	B9G0841	JL	1
Methyl tert-butyl ether	< 0.322	2.00		ug/L	0.322	07/25/19 10:11	B9G0841	JL	1
Methylene chloride	< 0.358	2.00		ug/L	0.358	07/25/19 10:11	B9G0841	JL	1
o-Xylene	< 0.349	2.00		ug/L	0.349	07/25/19 10:11	B9G0841	JL	1
Styrene	< 0.534	4.00		ug/L	0.534	07/25/19 10:11	B9G0841	JL	1
Tetrachloroethene	< 0.400	2.00		ug/L	0.400	07/25/19 10:11	B9G0841	JL	1
Toluene	< 0.299	2.00		ug/L	0.299	07/25/19 10:11	B9G0841	JL	1
trans-1,2-Dichloroethene	< 0.433	2.00		ug/L	0.433	07/25/19 10:11	B9G0841	JL	1
trans-1,3-Dichloropropene	< 0.314	2.00		ug/L	0.314	07/25/19 10:11	B9G0841	JL	1
Trichloroethene	< 0.439	2.00		ug/L	0.439	07/25/19 10:11	B9G0841	JL	1
Vinyl acetate	< 1.01	8.00		ug/L	1.01	07/25/19 10:11	B9G0841	JL	1
Vinyl chloride	< 0.316	2.00		ug/L	0.316	07/25/19 10:11	B9G0841	JL	1
Xylenes, Total	< 0.660	6.00		ug/L	0.660	07/25/19 10:11	B9G0841	JL	1
1,3-Dichloropropene, Total	< 0.592	4.00		ug/L	0.592	07/25/19 10:11	B9G0841	JL	1

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 06007
Work Order: 19G0671

Client Sample ID: Trip Blank
Report Date: 07/26/2019
Collection Date: 07/16/2019 00:00
Matrix: Groundwater
Lab ID: 19G0671-10 (Continued)

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Volatile Organic Compounds by GC/MS (Continued)									
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 (Continued)									
Surrogate: Dibromofluoromethane				*Recovery: 110%*	*Limits: 80-135*	*07/25/19 10:11*	*B9G0841*	*JL*	*1*
Surrogate: 1,2-Dichloroethane-d4				*Recovery: 108%*	*Limits: 86-132*	*07/25/19 10:11*	*B9G0841*	*JL*	*1*
Surrogate: Fluorobenzene				*Recovery: 96%*	*Limits: 80-116*	*07/25/19 10:11*	*B9G0841*	*JL*	*1*
Surrogate: Toluene-d8				*Recovery: 98%*	*Limits: 73-120*	*07/25/19 10:11*	*B9G0841*	*JL*	*1*
Surrogate: 4-Bromofluorobenzene				*Recovery: 112%*	*Limits: 85-114*	*07/25/19 10:11*	*B9G0841*	*JL*	*1*
Surrogate: 1,2-Dichlorobenzene-d4				*Recovery: 117%*	*Limits: 88-136*	*07/25/19 10:11*	*B9G0841*	*JL*	*1*

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
06007
Work Order: 19G0671

Client Sample ID: MW-2
Report Date: 07/26/2019
Collection Date: 07/17/2019 10:00
Matrix: Groundwater
Lab ID: 19G0671-11

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Volatile Organic Compounds by GC/MS									
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030									
1,1,1-Trichloroethane	**28.8**	2.00		ug/L	0.349	07/25/19 09:41	B9G0841	JL	1
1,1,2,2-Tetrachloroethane	< 0.291	2.00		ug/L	0.291	07/25/19 09:41	B9G0841	JL	1
1,1,2-Trichloroethane	< 0.264	2.00		ug/L	0.264	07/25/19 09:41	B9G0841	JL	1
1,1-Dichloroethane	**45.7**	8.00		ug/L	1.94	07/25/19 09:41	B9G0841	JL	1
1,1-Dichloroethene	< 1.02	4.00		ug/L	1.02	07/25/19 09:41	B9G0841	JL	1
1,2,4-Trimethylbenzene	< 0.338	2.00		ug/L	0.338	07/25/19 09:41	B9G0841	JL	1
1,2-Dibromo-3-chloropropane	< 0.488	2.00		ug/L	0.488	07/25/19 09:41	B9G0841	JL	1
1,2-Dibromoethane	< 0.320	2.00		ug/L	0.320	07/25/19 09:41	B9G0841	JL	1
1,2-Dichloroethane	< 0.274	2.00		ug/L	0.274	07/25/19 09:41	B9G0841	JL	1
1,2-Dichloropropane	< 1.11	4.00		ug/L	1.11	07/25/19 09:41	B9G0841	JL	1
1,3,5-Trimethylbenzene	< 0.310	2.00		ug/L	0.310	07/25/19 09:41	B9G0841	JL	1
1-Butanol	< 6.69	90.0		ug/L	6.69	07/25/19 09:41	B9G0841	JL	1
2-Butanone	< 1.38	8.00		ug/L	1.38	07/25/19 09:41	B9G0841	JL	1
2-Hexanone	< 1.04	8.00		ug/L	1.04	07/25/19 09:41	B9G0841	JL	1
4-Methyl-2-pentanone	< 0.660	28.0		ug/L	0.660	07/25/19 09:41	B9G0841	JL	1
Acetone	< 3.75	28.0		ug/L	3.75	07/25/19 09:41	B9G0841	JL	1
Acrolein	< 6.63	20.0		ug/L	6.63	07/25/19 09:41	B9G0841	JL	1
Acrylonitrile	< 0.742	4.00		ug/L	0.742	07/25/19 09:41	B9G0841	JL	1
Benzene	< 0.370	2.00		ug/L	0.370	07/25/19 09:41	B9G0841	JL	1
Bromodichloromethane	< 0.310	2.00		ug/L	0.310	07/25/19 09:41	B9G0841	JL	1
Bromoform	< 0.254	2.00		ug/L	0.254	07/25/19 09:41	B9G0841	JL	1
Bromomethane	< 3.30	20.0		ug/L	3.30	07/25/19 09:41	B9G0841	JL	1
Carbon disulfide	< 0.259	2.00		ug/L	0.259	07/25/19 09:41	B9G0841	JL	1
Carbon tetrachloride	< 0.390	2.00		ug/L	0.390	07/25/19 09:41	B9G0841	JL	1
Chlorobenzene	< 0.358	2.00		ug/L	0.358	07/25/19 09:41	B9G0841	JL	1
Chloroethane	< 0.906	4.00		ug/L	0.906	07/25/19 09:41	B9G0841	JL	1
Chloroform	< 0.397	2.00		ug/L	0.397	07/25/19 09:41	B9G0841	JL	1
Chloromethane	< 2.23	8.00		ug/L	2.23	07/25/19 09:41	B9G0841	JL	1
cis-1,2-Dichloroethene	**7.30**	2.00		ug/L	0.421	07/25/19 09:41	B9G0841	JL	1
cis-1,3-Dichloropropene	< 0.278	2.00		ug/L	0.278	07/25/19 09:41	B9G0841	JL	1
Dibromochloromethane	< 0.492	2.00		ug/L	0.492	07/25/19 09:41	B9G0841	JL	1
Ethylbenzene	< 0.431	2.00		ug/L	0.431	07/25/19 09:41	B9G0841	JL	1
m,p-Xylene	< 0.310	4.00		ug/L	0.310	07/25/19 09:41	B9G0841	JL	1
Methyl tert-butyl ether	**1.74**	2.00	J	ug/L	0.322	07/25/19 09:41	B9G0841	JL	1
Methylene chloride	< 0.358	2.00		ug/L	0.358	07/25/19 09:41	B9G0841	JL	1
o-Xylene	< 0.349	2.00		ug/L	0.349	07/25/19 09:41	B9G0841	JL	1
Styrene	< 0.534	4.00		ug/L	0.534	07/25/19 09:41	B9G0841	JL	1
Tetrachloroethene	**1.73**	2.00	J	ug/L	0.400	07/25/19 09:41	B9G0841	JL	1
Toluene	< 0.299	2.00		ug/L	0.299	07/25/19 09:41	B9G0841	JL	1
trans-1,2-Dichloroethene	< 0.433	2.00		ug/L	0.433	07/25/19 09:41	B9G0841	JL	1
trans-1,3-Dichloropropene	< 0.314	2.00		ug/L	0.314	07/25/19 09:41	B9G0841	JL	1
Trichloroethene	**84.8**	2.00		ug/L	0.439	07/25/19 09:41	B9G0841	JL	1
Vinyl acetate	< 1.01	8.00		ug/L	1.01	07/25/19 09:41	B9G0841	JL	1
Vinyl chloride	< 0.316	2.00		ug/L	0.316	07/25/19 09:41	B9G0841	JL	1
Xylenes, Total	< 0.660	6.00		ug/L	0.660	07/25/19 09:41	B9G0841	JL	1
1,3-Dichloropropene, Total	< 0.592	4.00		ug/L	0.592	07/25/19 09:41	B9G0841	JL	1

Environmental Monitoring and Technologies, Inc.

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 06007
Work Order: 19G0671

Client Sample ID: MW-2
Report Date: 07/26/2019
Collection Date: 07/17/2019 10:00
Matrix: Groundwater
Lab ID: 19G0671-11 (Continued)

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Volatile Organic Compounds by GC/MS (Continued)									
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 (Continued)									
Surrogate: Dibromofluoromethane				*Recovery: 109%*	*Limits: 80-135*	*07/25/19 09:41*	*B9G0841*	*JL*	*1*
Surrogate: 1,2-Dichloroethane-d4				*Recovery: 108%*	*Limits: 86-132*	*07/25/19 09:41*	*B9G0841*	*JL*	*1*
Surrogate: Fluorobenzene				*Recovery: 99%*	*Limits: 80-116*	*07/25/19 09:41*	*B9G0841*	*JL*	*1*
Surrogate: Toluene-d8				*Recovery: 100%*	*Limits: 73-120*	*07/25/19 09:41*	*B9G0841*	*JL*	*1*
Surrogate: 4-Bromofluorobenzene				*Recovery: 113%*	*Limits: 85-114*	*07/25/19 09:41*	*B9G0841*	*JL*	*1*
Surrogate: 1,2-Dichlorobenzene-d4				*Recovery: 109%*	*Limits: 88-136*	*07/25/19 09:41*	*B9G0841*	*JL*	*1*

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Dates Report

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
06007
Work Order: 19G0671

Report Date: 07/26/2019

Sample ID	Client Sample ID	Collection	Matrix	Test Name	Leached Prep Date	Prep Date	Analysis Date	Batch ID	Sequence
19G0671-01	MW-3	07/16/19	Groundwater	Volatile Organic Compounds (WDNR) by GC/MS		07/24/19 15:06	07/25/19 05:12	B9G0841	S9G0376
19G0671-02	MW-4B	07/16/19		Volatile Organic Compounds (WDNR) by GC/MS		07/24/19 15:06	07/25/19 05:42		
19G0671-03	MW-6D	07/16/19		Volatile Organic Compounds (WDNR) by GC/MS		07/24/19 15:06	07/25/19 06:12		
19G0671-04	MW-6S	07/16/19		Volatile Organic Compounds (WDNR) by GC/MS		07/24/19 15:06	07/25/19 06:42		
19G0671-05	MW-8	07/16/19		Volatile Organic Compounds (WDNR) by GC/MS		07/24/19 15:06	07/25/19 07:12		
19G0671-06	MW-11	07/16/19		Volatile Organic Compounds (WDNR) by GC/MS		07/24/19 15:06	07/25/19 07:42		
19G0671-07	MW-13	07/16/19		Volatile Organic Compounds (WDNR) by GC/MS		07/24/19 15:06	07/25/19 08:12		
19G0671-08	MW-14	07/16/19		Volatile Organic Compounds (WDNR) by GC/MS		07/24/19 15:06	07/25/19 08:41		
19G0671-09	MW-4B DUP	07/16/19		Volatile Organic Compounds (WDNR) by GC/MS		07/24/19 15:06	07/25/19 09:11		
19G0671-10	Trip Blank	07/16/19		Volatile Organic Compounds (WDNR) by GC/MS		07/24/19 15:06	07/25/19 10:11		
19G0671-11	MW-2	07/17/19		Volatile Organic Compounds (WDNR) by GC/MS		07/24/19 15:06	07/25/19 09:41		

Environmental Monitoring and Technologies, Inc.

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Quality Control

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
06007
Work Order: 19G0671

Report Date: 07/26/2019
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: B9G0841 - SW5030											
Blank (B9G0841-BLK1)				*Prepared: 07/24/2019 15:06 Analyzed: 07/25/2019 03:42*							
1,1,1-Trichloroethane	< 0.349	2.00	ug/L								1
1,1,2,2-Tetrachloroethane	< 0.291	2.00	ug/L								1
1,1,2-Trichloroethane	< 0.264	2.00	ug/L								1
1,1-Dichloroethane	< 1.94	8.00	ug/L								1
1,1-Dichloroethene	< 1.02	4.00	ug/L								1
1,2,4-Trimethylbenzene	< 0.338	2.00	ug/L								1
1,2-Dibromo-3-chloropropane	< 0.488	2.00	ug/L								1
1,2-Dibromoethane	< 0.320	2.00	ug/L								1
1,2-Dichloroethane	< 0.274	2.00	ug/L								1
1,2-Dichloropropane	< 1.11	4.00	ug/L								1
1,3,5-Trimethylbenzene	< 0.310	2.00	ug/L								1
1-Butanol	< 6.69	90.0	ug/L								1
2-Butanone	< 1.38	8.00	ug/L								1
2-Hexanone	< 1.04	8.00	ug/L								1
4-Methyl-2-pentanone	< 0.660	28.0	ug/L								1
Acetone	< 3.75	28.0	ug/L								1
Acrolein	< 6.63	20.0	ug/L								1
Acrylonitrile	< 0.742	4.00	ug/L								1
Benzene	< 0.370	2.00	ug/L								1
Bromodichloromethane	< 0.310	2.00	ug/L								1
Bromoform	< 0.254	2.00	ug/L								1
Bromomethane	< 3.30	20.0	ug/L								1
Carbon disulfide	< 0.259	2.00	ug/L								1
Carbon tetrachloride	< 0.390	2.00	ug/L								1
Chlorobenzene	< 0.358	2.00	ug/L								1
Chloroethane	< 0.906	4.00	ug/L								1
Chloroform	< 0.397	2.00	ug/L								1
Chloromethane	< 2.23	8.00	ug/L								1
cis-1,2-Dichloroethene	< 0.421	2.00	ug/L								1
cis-1,3-Dichloropropene	< 0.278	2.00	ug/L								1
Dibromochloromethane	< 0.492	2.00	ug/L								1
Ethylbenzene	< 0.431	2.00	ug/L								1
m,p-Xylene	< 0.310	4.00	ug/L								1
Methyl tert-butyl ether	< 0.322	2.00	ug/L								1
Methylene chloride	< 0.358	2.00	ug/L								1
o-Xylene	< 0.349	2.00	ug/L								1
Styrene	< 0.534	4.00	ug/L								1
Tetrachloroethene	< 0.400	2.00	ug/L								1
Toluene	< 0.299	2.00	ug/L								1
trans-1,2-Dichloroethene	< 0.433	2.00	ug/L								1
trans-1,3-Dichloropropene	< 0.314	2.00	ug/L								1
Trichloroethene	< 0.439	2.00	ug/L								1

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Quality Control
(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 06007
Work Order: 19G0671

Report Date: 07/26/2019
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: B9G0841 - SW5030 *(Continued)*											
Blank (B9G0841-BLK1) (Continued)				*Prepared: 07/24/2019 15:06 Analyzed: 07/25/2019 03:42*							
Vinyl acetate	< 1.01	8.00	ug/L								1
Vinyl chloride	< 0.316	2.00	ug/L								1
Xylenes, Total	< 0.660	6.00	ug/L								1
1,3-Dichloropropene, Total	< 0.592	4.00	ug/L								1
Surrogate: Dibromofluoromethane	*22.0*		*ug/L*	*20.00*		*110*	*80-135*				*1*
Surrogate: 1,2-Dichloroethane-d4	*21.2*		*ug/L*	*20.00*		*106*	*86-132*				*1*
Surrogate: Fluorobenzene	*19.8*		*ug/L*	*20.00*		*99*	*80-116*				*1*
Surrogate: Toluene-d8	*19.8*		*ug/L*	*20.00*		*99*	*73-120*				*1*
Surrogate: 4-Bromofluorobenzene	*11.3*		*ug/L*	*10.00*		*113*	*85-114*				*1*
Surrogate: 1,2-Dichlorobenzene-d4	*23.2*		*ug/L*	*20.00*		*116*	*88-136*				*1*
LCS (B9G0841-BS1)				*Prepared: 07/24/2019 15:06 Analyzed: 07/25/2019 02:12*							
1,1,1-Trichloroethane	20.4	2.00	ug/L	20.00		102	74-131				1
1,1,2,2-Tetrachloroethane	21.0	2.00	ug/L	20.00		105	71-121				1
1,1,2-Trichloroethane	20.7	2.00	ug/L	20.00		103	80-119				1
1,1-Dichloroethane	20.3	8.00	ug/L	20.00		102	77-125				1
1,1-Dichloroethene	19.8	4.00	ug/L	20.00		99	71-131				1
1,2,4-Trimethylbenzene	20.9	2.00	ug/L	20.00		105	76-124				1
1,2-Dibromo-3-chloropropane	22.9	2.00	ug/L	20.00		115	62-128				1
1,2-Dibromoethane	20.8	2.00	ug/L	20.00		104	77-121				1
1,2-Dichloroethane	19.8	2.00	ug/L	20.00		99	73-128				1
1,2-Dichloropropane	20.2	4.00	ug/L	20.00		101	78-122				1
1,3,5-Trimethylbenzene	21.0	2.00	ug/L	20.00		105	75-124				1
1-Butanol	190	90.0	ug/L	200.0		95	70-130				1
2-Butanone	63.5	8.00	ug/L	70.00		91	56-143				1
2-Hexanone	70.4	8.00	ug/L	70.00		101	57-139				1
4-Methyl-2-pentanone	65.3	28.0	ug/L	70.00		93	67-130				1
Acetone	72.0	28.0	ug/L	70.00		103	39-160				1
Acrolein	42.8	20.0	ug/L	50.00		86	39-155				1
Acrylonitrile	18.4	4.00	ug/L	20.00		92	63-135				1
Benzene	21.2	2.00	ug/L	20.00		106	79-120				1
Bromodichloromethane	21.0	2.00	ug/L	20.00		105	79-125				1
Bromoform	21.8	2.00	ug/L	20.00		109	66-130				1
Bromomethane	21.3	20.0	ug/L	20.00		107	53-141				1
Carbon disulfide	20.7	2.00	ug/L	20.00		104	64-133				1
Carbon tetrachloride	21.5	2.00	ug/L	20.00		107	72-136				1
Chlorobenzene	21.1	2.00	ug/L	20.00		106	82-118				1
Chloroethane	19.3	4.00	ug/L	20.00		96	60-138				1
Chloroform	20.2	2.00	ug/L	20.00		101	79-124				1
Chloromethane	20.3	8.00	ug/L	20.00		102	50-139				1
cis-1,2-Dichloroethene	19.3	2.00	ug/L	20.00		96	78-123				1
cis-1,3-Dichloropropene	18.9	2.00	ug/L	20.00		95	75-124				1

Environmental Monitoring and Technologies, Inc.

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Quality Control
(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 06007
Work Order: 19G0671

Report Date: 07/26/2019
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: B9G0841 - SW5030 *(Continued)*											
LCS (B9G0841-BS1) (Continued)				*Prepared: 07/24/2019 15:06*			*Analyzed: 07/25/2019 02:12*				
Dibromochloromethane	21.8	2.00	ug/L	20.00		109	74-126				1
Ethylbenzene	20.7	2.00	ug/L	20.00		103	79-121				1
m,p-Xylene	41.1	4.00	ug/L	40.00		103	80-136				1
Methyl tert-butyl ether	18.7	2.00	ug/L	20.00		93	71-124				1
Methylene chloride	19.2	2.00	ug/L	20.00		96	74-124				1
o-Xylene	20.1	2.00	ug/L	20.00		101	78-122				1
Styrene	20.8	4.00	ug/L	20.00		104	78-123				1
Tetrachloroethene	24.0	2.00	ug/L	20.00		120	74-129				1
Toluene	20.9	2.00	ug/L	20.00		104	80-133				1
trans-1,2-Dichloroethene	19.4	2.00	ug/L	20.00		97	75-124				1
trans-1,3-Dichloropropene	19.4	2.00	ug/L	20.00		97	73-127				1
Trichloroethene	20.2	2.00	ug/L	20.00		101	79-123				1
Vinyl acetate	15.6	8.00	ug/L	20.00		78	54-146				1
Vinyl chloride	20.2	2.00	ug/L	20.00		101	58-137				1
Xylenes, Total	61.2	6.00	ug/L	60.00		102	79-121				1
1,3-Dichloropropene, Total	38.3	4.00	ug/L	40.00		96	77-123				1
Surrogate: Dibromofluoromethane	*19.5*		*ug/L*	*20.00*		*97*	*80-135*				*1*
Surrogate: 1,2-Dichloroethane-d4	*18.8*		*ug/L*	*20.00*		*94*	*86-132*				*1*
Surrogate: Fluorobenzene	*20.1*		*ug/L*	*20.00*		*101*	*80-116*				*1*
Surrogate: Toluene-d8	*20.6*		*ug/L*	*20.00*		*103*	*73-120*				*1*
Surrogate: 4-Bromofluorobenzene	*10.2*		*ug/L*	*10.00*		*102*	*85-114*				*1*
Surrogate: 1,2-Dichlorobenzene-d4	*19.5*		*ug/L*	*20.00*		*98*	*88-136*				*1*
LCS Dup (B9G0841-BSD1)				*Prepared: 07/24/2019 15:06*			*Analyzed: 07/25/2019 02:42*				
1,1,1-Trichloroethane	20.5	2.00	ug/L	20.00		102	74-131	0.1	20		1
1,1,2,2-Tetrachloroethane	21.7	2.00	ug/L	20.00		109	71-121	3	20		1
1,1,2-Trichloroethane	21.3	2.00	ug/L	20.00		107	80-119	3	20		1
1,1-Dichloroethane	19.9	8.00	ug/L	20.00		100	77-125	2	20		1
1,1-Dichloroethene	19.2	4.00	ug/L	20.00		96	71-131	3	20		1
1,2,4-Trimethylbenzene	20.7	2.00	ug/L	20.00		104	76-124	1	20		1
1,2-Dibromo-3-chloropropane	23.0	2.00	ug/L	20.00		115	62-128	0.4	20		1
1,2-Dibromoethane	22.0	2.00	ug/L	20.00		110	77-121	6	20		1
1,2-Dichloroethane	20.0	2.00	ug/L	20.00		100	73-128	1	20		1
1,2-Dichloropropane	21.0	4.00	ug/L	20.00		105	78-122	4	20		1
1,3,5-Trimethylbenzene	21.6	2.00	ug/L	20.00		108	75-124	3	20		1
1-Butanol	205	90.0	ug/L	200.0		102	70-130	7	20		1
2-Butanone	65.3	8.00	ug/L	70.00		93	56-143	3	20		1
2-Hexanone	74.4	8.00	ug/L	70.00		106	57-139	5	20		1
4-Methyl-2-pentanone	69.5	28.0	ug/L	70.00		99	67-130	6	20		1
Acetone	76.4	28.0	ug/L	70.00		109	39-160	6	20		1
Acrolein	44.5	20.0	ug/L	50.00		89	39-155	4	20		1
Acrylonitrile	18.5	4.00	ug/L	20.00		92	63-135	0.4	20		1

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Quality Control
(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 06007
Work Order: 19G0671

Report Date: 07/26/2019
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: B9G0841 - SW5030 *(Continued)*											
LCS Dup (B9G0841-BSD1) (Continued)				*Prepared: 07/24/2019 15:06*			*Analyzed: 07/25/2019 02:42*				
Benzene	21.5	2.00	ug/L	20.00		107	79-120	1	20		1
Bromodichloromethane	21.6	2.00	ug/L	20.00		108	79-125	3	20		1
Bromoform	22.3	2.00	ug/L	20.00		112	66-130	2	20		1
Bromomethane	20.8	20.0	ug/L	20.00		104	53-141	2	20		1
Carbon disulfide	20.4	2.00	ug/L	20.00		102	64-133	1	20		1
Carbon tetrachloride	21.1	2.00	ug/L	20.00		106	72-136	2	20		1
Chlorobenzene	21.7	2.00	ug/L	20.00		108	82-118	3	20		1
Chloroethane	19.3	4.00	ug/L	20.00		96	60-138	0.2	20		1
Chloroform	20.1	2.00	ug/L	20.00		101	79-124	0.4	20		1
Chloromethane	19.4	8.00	ug/L	20.00		97	50-139	5	20		1
cis-1,2-Dichloroethene	19.2	2.00	ug/L	20.00		96	78-123	0.2	20		1
cis-1,3-Dichloropropene	20.1	2.00	ug/L	20.00		100	75-124	6	20		1
Dibromochloromethane	22.2	2.00	ug/L	20.00		111	74-126	1	20		1
Ethylbenzene	20.7	2.00	ug/L	20.00		103	79-121	0.05	20		1
m,p-Xylene	41.3	4.00	ug/L	40.00		103	80-136	0.6	20		1
Methyl tert-butyl ether	18.5	2.00	ug/L	20.00		92	71-124	0.9	20		1
Methylene chloride	19.1	2.00	ug/L	20.00		96	74-124	0.5	20		1
o-Xylene	20.7	2.00	ug/L	20.00		103	78-122	3	20		1
Styrene	20.5	4.00	ug/L	20.00		102	78-123	2	20		1
Tetrachloroethene	23.0	2.00	ug/L	20.00		115	74-129	5	20		1
Toluene	21.3	2.00	ug/L	20.00		107	80-133	2	20		1
trans-1,2-Dichloroethene	19.1	2.00	ug/L	20.00		96	75-124	2	20		1
trans-1,3-Dichloropropene	19.8	2.00	ug/L	20.00		99	73-127	2	20		1
Trichloroethene	20.8	2.00	ug/L	20.00		104	79-123	3	20		1
Vinyl acetate	17.2	8.00	ug/L	20.00		86	54-146	10	20		1
Vinyl chloride	19.6	2.00	ug/L	20.00		98	58-137	3	20		1
Xylenes, Total	62.0	6.00	ug/L	60.00		103	79-121	1	20		1
1,3-Dichloropropene, Total	39.9	4.00	ug/L	40.00		100	77-123	4	20		1
Surrogate: Dibromofluoromethane	*19.4*		*ug/L*	*20.00*		*97*	*80-135*				*1*
Surrogate: 1,2-Dichloroethane-d4	*18.9*		*ug/L*	*20.00*		*94*	*86-132*				*1*
Surrogate: Fluorobenzene	*20.3*		*ug/L*	*20.00*		*102*	*80-116*				*1*
Surrogate: Toluene-d8	*20.9*		*ug/L*	*20.00*		*104*	*73-120*				*1*
Surrogate: 4-Bromofluorobenzene	*9.89*		*ug/L*	*10.00*		*99*	*85-114*				*1*
Surrogate: 1,2-Dichlorobenzene-d4	*19.9*		*ug/L*	*20.00*		*99*	*88-136*				*1*

Environmental Monitoring and Technologies, Inc.

8100 N. Austin Avenue Morton Grove, IL 60053-3203 P 847.967.6666 800.246.0663 F 847.967.6735 www.emt.com

Certified Analyses included in this Report

Analyte	CAS #	Certifications
SW-846 8260B/WDNR: PUBL-FW-140 in Water		
1,1,1-Trichloroethane	71-55-6	WDNR
1,1,2,2-Tetrachloroethane	79-34-5	WDNR
1,1,2-Trichloroethane	79-00-5	WDNR
1,1-Dichloroethane	75-34-3	WDNR
1,1-Dichloroethene	75-35-4	WDNR
1,2,4-Trimethylbenzene	95-63-6	WDNR
1,2-Dibromo-3-chloropropane	96-12-8	WDNR
1,2-Dibromoethane	106-93-4	WDNR
1,2-Dichloroethane	107-06-2	WDNR
1,2-Dichloropropane	78-87-5	WDNR
1,3,5-Trimethylbenzene	108-67-8	WDNR
1-Butanol	71-36-3	WDNR
2-Butanone	78-93-3	WDNR
2-Hexanone	591-78-6	WDNR
4-Methyl-2-pentanone	108-10-1	WDNR
Acetone	67-64-1	WDNR
Acrolein	107-02-8	WDNR
Acrylonitrile	107-13-1	WDNR
Benzene	71-43-2	WDNR
Bromodichloromethane	75-27-4	WDNR
Bromoform	75-25-2	WDNR
Bromomethane	74-83-9	WDNR
Carbon disulfide	75-15-0	WDNR
Carbon tetrachloride	56-23-5	WDNR
Chlorobenzene	108-90-7	WDNR
Chloroethane	75-00-3	WDNR
Chloroform	67-66-3	WDNR
Chloromethane	74-87-3	WDNR
cis-1,2-Dichloroethene	156-59-2	WDNR
cis-1,3-Dichloropropene	10061-01-5	WDNR
Dibromochloromethane	124-48-1	WDNR
Ethylbenzene	100-41-4	WDNR
m,p-Xylene	179601-23-1	WDNR
Methyl tert-butyl ether	1634-04-4	WDNR
Methylene chloride	75-09-2	WDNR
o-Xylene	95-47-6	WDNR
Styrene	100-42-5	WDNR
Tetrachloroethene	127-18-4	WDNR
Toluene	108-88-3	WDNR
trans-1,2-Dichloroethene	156-60-5	WDNR
trans-1,3-Dichloropropene	10061-02-6	WDNR
Trichloroethene	79-01-6	WDNR
Vinyl acetate	108-05-4	WDNR

Environmental Monitoring and Technologies, Inc.

8100 N. Austin Avenue Morton Grove, IL 60053-3203 P 847.967.6666 800.246.0663 F 847.967.6735 www.emt.com

Certified Analyses included in this Report (Continued)

Analyte	CAS #	Certifications
SW-846 8260B/WDNR: PUBL-FW-140 in Water (Continued)		
Vinyl chloride	75-01-4	WDNR
Xylenes, Total	1330-20-7	WDNR
1,3-Dichloropropene, Total	542-75-6	WDNR

List of Certifications

Code	Description	Number	Expires
AKDEC	State of Alaska, Dept. Environmental Conservation	17-011	04/30/2020
CPSC	US Consumer Product Safety Commission, Accredited by PJLA Lab No. 1050	L18-184-R1	04/30/2020
DoD	Department of Defense, Accredited by PJLA	L18-183-R3	04/30/2020
ILEPA	State of Illinois, NELAP Accredited Lab No. 100256	004524	07/27/2019
ISO	ISO/IEC 17025, Accredited by PJLA	L18-184-R1	04/30/2020
WDNR	State of Wisconsin Dept of Natural Resources	999888890	08/31/2019

Environmental Monitoring and Technologies, Inc.

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Qualifiers and Definitions

Item	Description
J	The reported result is an estimated value.
%Rec	Percent Recovery
MDL	In the state of Wisconsin MDL is equivalent to LOD; in all other applications MDL is equivalent to MDL.
	In the state of Wisconsin the Reporting Limit is equivalent to LOQ.

ENVIRO MONITO TECHNOL

8100 North Austin Av
Morton Grove, Illinoi

19G0671
PM: Jacoby Jackson
United Engineering Consultants, Inc.
UEC Analysis

Chain of Custody Record

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

TURNAROUND TIME:
☐ RUSH ____ day turnaround
☒ ROUTINE

Due Date: ____-____-____ COC #: 224667

Company: UEC, INC
Address: 16237 W Ryerson Rd
New Berlin, WI 53151
Phone #: (414) 785-1447 Fax #: (____) ____-____
P.O.#: ____ Proj.#: ____-____
Client Contact: Tim Anderson
Project ID / Location: 06007

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

EMT USE ONLY

EMT WORKORDER # 1990671

Sample I.D.	Sample Type	Container Size	Container Type	Container No.	Sampling By	Sampling Date	Sampling Time	pH	Temp.	Preservation Field	Preservation Lab	VOCs	EMT USE ONLY
MW-3	G	40mL	G	3	KH	7/16/19	8:30	—	—	5		✓	01A-C
MW-4B							8:45	—	—			✓	02A-C
MW-6D							9:15	—	—			✓	03A-C
MW-6S							9:30	—	—			✓	04A-C
MW-8							9:45	—	—			✓	05A-C
MW-11							10:00	—	—			✓	06A-C
MW-13							10:15	—	—			✓	07A-C
MW-14							10:30	—	—			✓	08A-C
MW-4B Dup.							9:00	—	—			✓	09A-C
Trip Blank	—	40mL	G	1	—	7/16/19	—	—	—	5		✓	10A-C

Relinquished By:	Date: 7-19-19 Time: 9:15	Received By:	Date: 7-19-19 Time: 09:15	EMT USE ONLY Client Code:	☒ SAMPLE RECEIVED ON ICE ☐ TEMPERATURE
Relinquished By:	Date: 7-19-19 Time: 1400	Received By:	Date: - - Time: :	EMT Project I.D.	3-6
Relinquished By:	Date: - - Time: :	Received For Lab By:	Date: 7-19-19 Time: 14:00	Jar Lot No.	EMT SAMPLE RETURN POLICY ON BACK

SPECIAL INSTRUCTIONS:

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ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.

8100 North Austin Avenue
Morton Grove, Illinois 60053-3203

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

Chain of Custody Record

TURNAROUND TIME:
☐ RUSH ____ day turnaround
☐ ROUTINE

Due Date: ____-____-____ COC #: 224668

Company: UEC, INC
Address: 16237 W Ryerson Rd
New Berlin, WI 53151

Phone #: (262) 785-1447 Fax #: (____) ____-____
P.O. #: ____ Proj.#: ____-____
Client Contact: Tim Anderson
Project ID / Location: 06007

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's

EMT USE ONLY

EMT WORKORDER # 1960671

Sample I.D.	Sample Type	Container Size	Container Type	Container No.	Sampling By	Sampling Date	Sampling Time	Preservation pH	Temp.	Preservation Field	Preservation Lab	VOC's											
MW-2	6	40mL	G	3	KH	7/17/19	10:00	—	—	5		✓							-				HAC

Relinquished By:	Date: 7-19-19 Time: 9:15	Received By:	Date: 7-19-19 Time: 0915	EMT USE ONLY Client Code:	☒ SAMPLE RECEIVED ON ICE ☐ TEMPERATURE
Relinquished By:	Date: 7-19-19 Time: 1400	Received By:	Date: - - Time: :	EMT Project I.D.	3.6
Relinquished By:	Date: - - Time: :	Received For Lab By:	Date: 7-19-19 Time: 14:00	Jar Lot No.	EMT SAMPLE RETURN POLICY ON BACK

SPECIAL INSTRUCTIONS:

Page 2 of 2

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Sample Receipt Checklist

Work Order: 19G0671

Printed: 7/19/2019 3:53:22PM

Client:	**United Engineering Consultants, Inc.**	**Date Due:**	**07/26/19 17:00 (5 day TAT)**
Project:	**UEC Analysis**		

Received By:	**Stephanie Canchola**	**Date Received:**	**07/19/19 14:00**
Logged In By:	**Stephanie Canchola**	**Date Logged In:**	**07/19/19 14:46**

Samples Received at:	**4.6°C**
How were samples received?	EMT
Custody Seals Present	No
Custody Seals Intact	NA
Sample Cont/Cooler Intact	Yes
COC Present/Complete	Yes
COC/Labels Agree	Yes
Proper Cont/Preservation checked	Yes
Sufficient Sample Volume	Yes
Samples Within Holdtime	Yes
Cooler Temp Within Limits	Yes
VOA Water Vials Received	Yes
VOA Water Vials/Zero Headspace	No
PM or Client Contacted	No

COMMENTS

Pea sized bubbles 08A-C, 09A-C, 02A-C, 05A-C. Smaller than pea size bubbles 07A-C, 06A-C, 01A-C. Larger than pea size bubbles 10A, 04A-C.

SC
7-19-19