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

Notification For Hazardous Substance Discharge (Non-Emergency Only)

Form 4400-225 (R 06/17)

Emergency Discharges / Spills should be reported via the 24-Hour Hotline: 1-800-943-0003

Notice: Hazardous substance discharges must be reported immediately according to s. 292.11 Wis. Stats. Non-emergency hazardous substance discharges may be reported by telefaxing or e-mailing a completed report to the Department, or calling or visiting a Department office in person. If you choose to notify the Department by telefax or by email, you should use this form to be sure that all necessary information is included. However, use of this form is not mandatory. Under s. 292.99, Wis. Stats., the penalty for violating the reporting requirements of ch. 292 Wis. Stats., shall be no less than $10 nor more than $5000 for each violation. Each day of continued violation is a separate offense. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than program administration. However, information submitted on this form may also be made available to requesters under Wisconsin's Open Records Law (ss. 19.31 – 19.39, Wis. Stats.).

Confirmatory laboratory data should be included with this form, to assist the DNR in processing this Hazardous Substance Release Notification.

Complete this form. **TYPE or PRINT LEGIBLY.** NOTIFY appropriate DNR region (see next page) **IMMEDIATELY** upon discovery of a potential release from **(check one)**:

- ◯ Underground Petroleum Storage Tank System (additional information may be required for Item 6 below)
- ◯ Aboveground Petroleum Storage Tank System
- ◉ Dry Cleaner Facility
- ◯ Other - Describe: _____

ATTN DNR: **R & R Program Associate**

Date DNR Notified: 07/08/2019

1. Discharge Reported By

Name	Firm	Phone Number (include area code)
NICHOLAS ANDERSON	UNITED ENGINEERING CONSULTANT	(262) 785-1447

Mailing Address	Email
16237 W. RYERSON ROAD	NAUEC@SBCGLOBAL.NET

2. Site Information

Name of site at which discharge occurred. Include local name of site/business, not responsible party name, unless a residence/vacant property.

ONE HOUR MARTINIZING - MILWAUKEE / WISCONSIN AUTO TITLE LOANS

Location: Include street address, not PO Box. If no street address, describe as precisely as possible, i.e., 1/4 mile NW of CTHs 60 & 123 on E side of CTH 60.

233/235 W. LAYTON AVENUE

Municipality: (City, Village, Township) Specify municipality in which the site is located, not mailing address/city.

MILWAUKEE

County	Legal Description:	WTM:
Milwaukee	NE ¼ of NE ¼ Section 29` , Town 06 N, Range 22 ◉ E ◯ W	X 690122 Y 278355

3. Responsible Party (RP) and/or RP Representative

Responsible Party Name: Business or owner name that is responsible for cleanup. If more than one, list all. Attach additional pages as necessary.

GOTTFRIED REAL ESTATE LLC

☐ A local governmental unit claiming an exemption from state Spill Law and Solid Waste Management responsibilities for the discharge being reported, per Wis. Stat. §§ 292.11(9)(e) and 292.23, should: 1) check this box; 2) review DNR publication RR-055; and 3) provide documentation to DNR that demonstrates compliance with the statutory requirements of the liability exemptions. Local governmental units may also request a fee-based liability clarification letter from DNR by using DNR Form 4400-237.

Contact Person Name (if different)	Phone Number	Email
BRIAN GOTTFRIED	(414) 416-5665	JEROMEMUSKEGO@AMERITECH.NET

Mailing Address	City	State	ZIP Code
PO BOX 26	MUSKEGO	WI	53150

Responsible Party Name: Business or owner name that is responsible for cleanup. If more than one, list all. Attach additional pages as necessary.

Contact Person Name (if different)	Phone Number	Email

Mailing Address	City	State	ZIP Code

(continued)

4. Hazardous Substance Information

Identify hazardous substance discharged (check all that apply):

- [x] VOCs
  - [x] PCE
  - [ ] TCE
  - [ ] Other Chlorinated
  - [ ] Diesel
  - [ ] Fuel Oil
  - [ ] Gasoline
  - [ ] Hydraulic Oil
  - [ ] Jet Fuel

(VOCs continued)

- [ ] Mineral Oil
- [ ] Waste Oil
- [ ] Petroleum-Unknown Type
- [ ] PAHs
- [ ] PCBs
- [ ] Cyanide
- [ ] Leachate
- [ ] Manure

- [ ] Metals
  - [ ] Arsenic
  - [ ] Chromium
  - [ ] Lead
  - [ ] Other: _____
- [ ] Pesticides: _____
- [ ] Fertilizer: _____
- [ ] RCRA Hazardous Waste: _____
- [ ] Other: _____
- [ ] Unknown

5. Impacts to the Environment Information

Enter "K" for known/confirmed or "P" for potential for all that apply.

P Air Contamination
___ Co-mingled (Petroleum & Non-Petroleum)
___ Contamination in Fractured Bedrock
___ Contamination Within 1 Meter of Bedrock
___ Contaminated Private Well
___ Contaminated Public Well
K Contamination in Right of Way

___ Fire Explosion Threat
___ Free Product
K Groundwater Contamination
___ Off-Site Contamination
___ Sanitary Sewer Contamination
___ Storm Sewer Contamination
___ Sediment Contamination
Other (specify): _____

K Soil Contamination
___ Soil Gas Contamination
K Sub-slab Vapor Contamination
___ Surface Water Contamination
___ Within 100 ft of Private Well
___ Within 1000 ft of Public Well

Contamination was discovered as a result of:

- [ ] Tank closure assessment — Date: _____
- [x] Site assessment — Date: 05/01/2019
- [ ] Other - Describe: _____ — Date: _____

Lab results: [ ] Lab results will be faxed upon receipt [x] Lab results are attached

Additional Comments: Include a brief description of immediate actions taken to halt the release and contain or cleanup hazardous substances that have been discharged.

6. Federal Energy Act Requirements (Section 9002(d) of the Solid Waste Disposal Act (SWDA))

For all confirmed releases from USTs occurring after 9/30/2007 please provide the following information:

[x] Does not apply.

Source

- [ ] Tank
- [ ] Piping
- [ ] Dispenser
- [ ] Submersible Turbine Pump
- [ ] Delivery Problem
- [ ] Other (specify): _____

Cause

- [ ] Spill
- [ ] Overfill
- [ ] Corrosion
- [ ] Physical or Mechanical Damage
- [ ] Installation Problem
- [ ] Other (does not fit any of above)
- [ ] Unknown

Contact information to report non-emergency releases in DNR's five regions are as follows:

Northeast Region (FAX: 920-662-5413); Attention -- R&R Program Associate: DNRRRNER@wisconsin.gov

Brown, Calumet, Door, Fond du Lac **(except City of Waupun - see South Central Region)**, Green Lake, Kewaunee, Manitowoc, Marinette, Marquette, Menominee, Oconto, Outagamie, Shawano, Sheboygan, Waupaca, Waushara, Winnebago counties

Northern Region (FAX: 715-623-6773); Attention -- R&R Program Associate: DNRRRNOR@wisconsin.gov

Ashland, Barron, Bayfield, Burnett, Douglas, Forest, Florence, Iron, Langlade, Lincoln, Oneida, Polk, Price, Rusk, Sawyer, Taylor, Vilas, Washburn counties

South Central Region (FAX: 608-273-5610); Attention -- R&R Program Associate: DNRRRSCR@wisconsin.gov

Columbia, Dane, Dodge, Fond du Lac **(City of Waupun only)**, Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk, Walworth counties

Southeast Region (FAX: 414-263-8550); Attention -- R&R Program Associate: DNRRRSER@wisconsin.gov

Kenosha, Milwaukee, Ozaukee, Racine, Washington, Waukesha counties

West Central Region (FAX: 715-839-6076); Attention -- R&R Program Associate: DNRRRWCR@wisconsin.gov

Adams, Buffalo, Chippewa, Clark, Crawford, Dunn, Eau Claire, Jackson, Juneau, LaCrosse, Marathon, Monroe, Pepin, Pierce, Portage, St. Croix, Trempealeau, Vernon, Wood counties

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

May 13, 2019

Work Order: 19E0242

RE: UEC Analysis
19006

Dear Timothy J. Anderson:

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

Sincerely,

Jacoby Jackson
Project Manager
847.967.6666
jjackson@emt.com
Approved for release: 5/13/2019 8:24:41AM

Approved by,

Matthew Gregory
Technical Manager

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

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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

Sample Summary

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GP-1 2'-3'	19E0242-01	Soil	05/01/19 12:30	05/03/19 16:45
GP-1 5'-6'	19E0242-02	Soil	05/01/19 12:45	05/03/19 16:45
GP-1 13'-14'	19E0242-03	Soil	05/01/19 13:00	05/03/19 16:45
GP-2 3'-4'	19E0242-04	Soil	05/01/19 13:30	05/03/19 16:45
GP-2 7'-8'	19E0242-05	Soil	05/01/19 13:45	05/03/19 16:45
GP-2 15'-16'	19E0242-06	Soil	05/01/19 14:00	05/03/19 16:45
GP-3 3'-4'	19E0242-07	Soil	05/01/19 14:30	05/03/19 16:45
GP-3 6'-7'	19E0242-08	Soil	05/01/19 14:45	05/03/19 16:45
GP-3 13'-14'	19E0242-09	Soil	05/01/19 15:00	05/03/19 16:45
TW1	19E0242-10	Water	05/01/19 13:15	05/03/19 16:45
TW2	19E0242-11	Water	05/01/19 14:15	05/03/19 16:45
TW3	19E0242-12	Water	05/01/19 15:15	05/03/19 16:45

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Case Narrative

Client: United Engineering Consultants, Inc. **Date:** 05/13/2019
Project: UEC Analysis
19006
Work Order: 19E0242

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: 19E0242
The samples were received on 05/03/19 16:45. The samples arrived in good condition and properly preserved. The temperature of the cooler at receipt was:

Cooler	Temp C°
Default Cooler	1.6

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

Environmental Monitoring and Technologies, Inc.

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Client Sample Results

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 19E0242

Client Sample ID: GP-1 2'-3'
Report Date: 05/13/2019
Collection Date: 05/01/2019 12:30
Matrix: Soil
Lab ID: 19E0242-01

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Wet Chemistry									
Method: SM2540G									
Total Solids	**77.3**	0.100		% (Percent)	0.00500	05/07/19 15:52	B9E0235	TB2	1
Volatile Organic Compounds by GC/MS									
Method: SW-846 8260B/WDNR: PUBL-FW-140									
1,1,1-Trichloroethane	< 28.9	28.9		ug/Kg dry	28.9	05/07/19 06:13	B9E0360	JL	50
1,1,2,2-Tetrachloroethane	< 28.0	28.0		ug/Kg dry	28.0	05/07/19 06:13	B9E0360	JL	50
1,1,2-Trichloroethane	< 28.7	28.7		ug/Kg dry	28.7	05/07/19 06:13	B9E0360	JL	50
1,1-Dichloroethane	< 43.5	43.5		ug/Kg dry	43.5	05/07/19 06:13	B9E0360	JL	50
1,1-Dichloroethene	< 34.0	34.0		ug/Kg dry	34.0	05/07/19 06:13	B9E0360	JL	50
1,2,4-Trimethylbenzene	< 25.0	25.0		ug/Kg dry	16.8	05/07/19 06:13	B9E0360	JL	50
1,2-Dibromo-3-chloropropane	< 47.6	47.6		ug/Kg dry	47.6	05/07/19 06:13	B9E0360	JL	50
1,2-Dibromoethane	< 25.0	25.0		ug/Kg dry	14.6	05/07/19 06:13	B9E0360	JL	50
1,2-Dichloroethane	< 25.0	25.0		ug/Kg dry	10.5	05/07/19 06:13	B9E0360	JL	50
1,2-Dichloropropane	< 25.0	25.0		ug/Kg dry	19.5	05/07/19 06:13	B9E0360	JL	50
1,3,5-Trimethylbenzene	< 25.0	25.0		ug/Kg dry	16.4	05/07/19 06:13	B9E0360	JL	50
1-Butanol	< 498	498		ug/Kg dry	498	05/07/19 06:13	B9E0360	JL	50
2-Butanone	< 124	124		ug/Kg dry	124	05/07/19 06:13	B9E0360	JL	50
2-Hexanone	< 85.5	85.5		ug/Kg dry	85.5	05/07/19 06:13	B9E0360	JL	50
4-Methyl-2-pentanone	< 57.6	57.6		ug/Kg dry	57.6	05/07/19 06:13	B9E0360	JL	50
Acetone	< 212	212		ug/Kg dry	212	05/07/19 06:13	B9E0360	JL	50
Acrylonitrile	< 61.1	61.1		ug/Kg dry	61.1	05/07/19 06:13	B9E0360	JL	50
Benzene	< 25.0	25.0		ug/Kg dry	12.5	05/07/19 06:13	B9E0360	JL	50
Bromodichloromethane	< 25.0	25.0		ug/Kg dry	18.7	05/07/19 06:13	B9E0360	JL	50
Bromoform	< 25.0	25.0		ug/Kg dry	20.3	05/07/19 06:13	B9E0360	JL	50
Carbon disulfide	< 25.0	25.0		ug/Kg dry	15.2	05/07/19 06:13	B9E0360	JL	50
Carbon tetrachloride	< 25.0	25.0		ug/Kg dry	13.1	05/07/19 06:13	B9E0360	JL	50
Chlorobenzene	< 25.0	25.0		ug/Kg dry	14.5	05/07/19 06:13	B9E0360	JL	50
Chloroform	< 27.0	27.0		ug/Kg dry	27.0	05/07/19 06:13	B9E0360	JL	50
cis-1,2-Dichloroethene	< 29.8	29.8		ug/Kg dry	29.8	05/07/19 06:13	B9E0360	JL	50
Dibromochloromethane	< 25.0	25.0		ug/Kg dry	23.6	05/07/19 06:13	B9E0360	JL	50
Ethylbenzene	< 25.0	25.0		ug/Kg dry	18.6	05/07/19 06:13	B9E0360	JL	50
m,p-Xylene	< 92.4	92.4		ug/Kg dry	92.4	05/07/19 06:13	B9E0360	JL	50
Methyl tert-butyl ether	< 25.0	25.0		ug/Kg dry	21.7	05/07/19 06:13	B9E0360	JL	50
Methylene chloride	< 50.9	50.9		ug/Kg dry	50.9	05/07/19 06:13	B9E0360	JL	50
o-Xylene	< 25.0	25.0		ug/Kg dry	12.9	05/07/19 06:13	B9E0360	JL	50
Styrene	< 25.0	25.0		ug/Kg dry	18.6	05/07/19 06:13	B9E0360	JL	50
Tetrachloroethene	**347**	25.0		ug/Kg dry	22.5	05/07/19 06:13	B9E0360	JL	50
Toluene	< 25.0	25.0		ug/Kg dry	16.9	05/07/19 06:13	B9E0360	JL	50
trans-1,2-Dichloroethene	< 41.0	41.0		ug/Kg dry	41.0	05/07/19 06:13	B9E0360	JL	50
Trichloroethene	< 25.0	25.0		ug/Kg dry	15.0	05/07/19 06:13	B9E0360	JL	50
Vinyl acetate	< 33.3	33.3		ug/Kg dry	33.3	05/07/19 06:13	B9E0360	JL	50
Vinyl chloride	< 25.0	25.0		ug/Kg dry	20.5	05/07/19 06:13	B9E0360	JL	50
Xylenes, Total	< 105	105		ug/Kg dry	105	05/07/19 06:13	B9E0360	JL	50
1,2-Dichloroethene, Total	< 70.8	70.8		ug/Kg dry	70.8	05/07/19 06:13	B9E0360	JL	50
Surrogate: Dibromofluoromethane				*Recovery: 103%*	*Limits: 78-137*	*05/07/19 06:13*	*B9E0360*	*JL*	*50*

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 19E0242

Client Sample ID: GP-1 2'-3'
Report Date: 05/13/2019
Collection Date: 05/01/2019 12:30
Matrix: Soil
Lab ID: 19E0242-01 (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 (Continued)									
Surrogate: 1,2-Dichloroethane-d4				*Recovery: 112%*	*Limits: 86-137*	*05/07/19 06:13*	*B9E0360*	*JL*	*50*
Surrogate: Fluorobenzene				*Recovery: 99%*	*Limits: 80-120*	*05/07/19 06:13*	*B9E0360*	*JL*	*50*
Surrogate: Toluene-d8				*Recovery: 94%*	*Limits: 73-112*	*05/07/19 06:13*	*B9E0360*	*JL*	*50*
Surrogate: 4-Bromofluorobenzene				*Recovery: 95%*	*Limits: 85-120*	*05/07/19 06:13*	*B9E0360*	*JL*	*50*
Surrogate: 1,2-Dichlorobenzene-d4				*Recovery: 110%*	*Limits: 85-128*	*05/07/19 06:13*	*B9E0360*	*JL*	*50*

Environmental Monitoring and Technologies, Inc.

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 19006
Work Order: 19E0242

Client Sample ID: GP-1 5'-6'
Report Date: 05/13/2019
Collection Date: 05/01/2019 12:45
Matrix: Soil
Lab ID: 19E0242-02

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Wet Chemistry									
Method: SM2540G									
Total Solids	**83.2**	0.100		% (Percent)	0.00500	05/07/19 15:54	B9E0235	TB2	1
Volatile Organic Compounds by GC/MS									
Method: SW-846 8260B/WDNR: PUBL-FW-140									
1,1,1-Trichloroethane	< 25.0	25.0		ug/Kg dry	23.4	05/07/19 06:47	B9E0360	JL	50
1,1,2,2-Tetrachloroethane	< 25.0	25.0		ug/Kg dry	22.7	05/07/19 06:47	B9E0360	JL	50
1,1,2-Trichloroethane	< 25.0	25.0		ug/Kg dry	23.3	05/07/19 06:47	B9E0360	JL	50
1,1-Dichloroethane	< 35.2	35.2		ug/Kg dry	35.2	05/07/19 06:47	B9E0360	JL	50
1,1-Dichloroethene	< 27.6	27.6		ug/Kg dry	27.6	05/07/19 06:47	B9E0360	JL	50
1,2,4-Trimethylbenzene	< 25.0	25.0		ug/Kg dry	13.6	05/07/19 06:47	B9E0360	JL	50
1,2-Dibromo-3-chloropropane	< 38.6	38.6		ug/Kg dry	38.6	05/07/19 06:47	B9E0360	JL	50
1,2-Dibromoethane	< 25.0	25.0		ug/Kg dry	11.8	05/07/19 06:47	B9E0360	JL	50
1,2-Dichloroethane	< 25.0	25.0		ug/Kg dry	8.55	05/07/19 06:47	B9E0360	JL	50
1,2-Dichloropropane	< 25.0	25.0		ug/Kg dry	15.8	05/07/19 06:47	B9E0360	JL	50
1,3,5-Trimethylbenzene	< 25.0	25.0		ug/Kg dry	13.3	05/07/19 06:47	B9E0360	JL	50
1-Butanol	< 404	404		ug/Kg dry	404	05/07/19 06:47	B9E0360	JL	50
2-Butanone	< 100	100		ug/Kg dry	100	05/07/19 06:47	B9E0360	JL	50
2-Hexanone	< 69.3	69.3		ug/Kg dry	69.3	05/07/19 06:47	B9E0360	JL	50
4-Methyl-2-pentanone	< 46.6	46.6		ug/Kg dry	46.6	05/07/19 06:47	B9E0360	JL	50
Acetone	< 172	172		ug/Kg dry	172	05/07/19 06:47	B9E0360	JL	50
Acrylonitrile	< 49.5	49.5		ug/Kg dry	49.5	05/07/19 06:47	B9E0360	JL	50
Benzene	< 25.0	25.0		ug/Kg dry	10.1	05/07/19 06:47	B9E0360	JL	50
Bromodichloromethane	< 25.0	25.0		ug/Kg dry	15.1	05/07/19 06:47	B9E0360	JL	50
Bromoform	< 25.0	25.0		ug/Kg dry	16.5	05/07/19 06:47	B9E0360	JL	50
Carbon disulfide	< 25.0	25.0		ug/Kg dry	12.3	05/07/19 06:47	B9E0360	JL	50
Carbon tetrachloride	< 25.0	25.0		ug/Kg dry	10.7	05/07/19 06:47	B9E0360	JL	50
Chlorobenzene	< 25.0	25.0		ug/Kg dry	11.7	05/07/19 06:47	B9E0360	JL	50
Chloroform	< 25.0	25.0		ug/Kg dry	21.9	05/07/19 06:47	B9E0360	JL	50
cis-1,2-Dichloroethene	< 25.0	25.0		ug/Kg dry	24.2	05/07/19 06:47	B9E0360	JL	50
Dibromochloromethane	< 25.0	25.0		ug/Kg dry	19.2	05/07/19 06:47	B9E0360	JL	50
Ethylbenzene	< 25.0	25.0		ug/Kg dry	15.1	05/07/19 06:47	B9E0360	JL	50
m,p-Xylene	< 74.9	74.9		ug/Kg dry	74.9	05/07/19 06:47	B9E0360	JL	50
Methyl tert-butyl ether	< 25.0	25.0		ug/Kg dry	17.6	05/07/19 06:47	B9E0360	JL	50
Methylene chloride	< 41.2	41.2		ug/Kg dry	41.2	05/07/19 06:47	B9E0360	JL	50
o-Xylene	< 25.0	25.0		ug/Kg dry	10.4	05/07/19 06:47	B9E0360	JL	50
Styrene	< 25.0	25.0		ug/Kg dry	15.0	05/07/19 06:47	B9E0360	JL	50
Tetrachloroethene	**1230**	25.0		ug/Kg dry	18.3	05/07/19 06:47	B9E0360	JL	50
Toluene	< 25.0	25.0		ug/Kg dry	13.7	05/07/19 06:47	B9E0360	JL	50
trans-1,2-Dichloroethene	< 33.2	33.2		ug/Kg dry	33.2	05/07/19 06:47	B9E0360	JL	50
Trichloroethene	< 25.0	25.0		ug/Kg dry	12.2	05/07/19 06:47	B9E0360	JL	50
Vinyl acetate	< 27.0	27.0		ug/Kg dry	27.0	05/07/19 06:47	B9E0360	JL	50
Vinyl chloride	< 25.0	25.0		ug/Kg dry	16.7	05/07/19 06:47	B9E0360	JL	50
Xylenes, Total	< 85.3	85.3		ug/Kg dry	85.3	05/07/19 06:47	B9E0360	JL	50
1,2-Dichloroethene, Total	< 57.4	57.4		ug/Kg dry	57.4	05/07/19 06:47	B9E0360	JL	50
Surrogate: Dibromofluoromethane				*Recovery: 109%*	*Limits: 78-137*	*05/07/19 06:47*	*B9E0360*	*JL*	*50*

Environmental Monitoring and Technologies, Inc.

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 19006
Work Order: 19E0242

Client Sample ID: GP-1 5'-6'
Report Date: 05/13/2019
Collection Date: 05/01/2019 12:45
Matrix: Soil
Lab ID: 19E0242-02 (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 (Continued)									
Surrogate: 1,2-Dichloroethane-d4				*Recovery: 118%*	*Limits: 86-137*	*05/07/19 06:47*	*B9E0360*	*JL*	*50*
Surrogate: Fluorobenzene				*Recovery: 100%*	*Limits: 80-120*	*05/07/19 06:47*	*B9E0360*	*JL*	*50*
Surrogate: Toluene-d8				*Recovery: 91%*	*Limits: 73-112*	*05/07/19 06:47*	*B9E0360*	*JL*	*50*
Surrogate: 4-Bromofluorobenzene				*Recovery: 99%*	*Limits: 85-120*	*05/07/19 06:47*	*B9E0360*	*JL*	*50*
Surrogate: 1,2-Dichlorobenzene-d4				*Recovery: 111%*	*Limits: 85-128*	*05/07/19 06:47*	*B9E0360*	*JL*	*50*

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 19E0242

Client Sample ID: GP-1 13'-14'
Report Date: 05/13/2019
Collection Date: 05/01/2019 13:00
Matrix: Soil
Lab ID: 19E0242-03

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Wet Chemistry									
Method: SM2540G									
Total Solids	**95.4**	0.100		% (Percent)	0.00500	05/07/19 15:56	B9E0235	TB2	1
Volatile Organic Compounds by GC/MS									
Method: SW-846 8260B/WDNR: PUBL-FW-140									
1,1,1-Trichloroethane	< 27.9	27.9		ug/Kg dry	27.9	05/07/19 07:21	B9E0360	JL	50
1,1,2,2-Tetrachloroethane	< 26.9	26.9		ug/Kg dry	26.9	05/07/19 07:21	B9E0360	JL	50
1,1,2-Trichloroethane	< 27.7	27.7		ug/Kg dry	27.7	05/07/19 07:21	B9E0360	JL	50
1,1-Dichloroethane	< 41.9	41.9		ug/Kg dry	41.9	05/07/19 07:21	B9E0360	JL	50
1,1-Dichloroethene	< 32.8	32.8		ug/Kg dry	32.8	05/07/19 07:21	B9E0360	JL	50
1,2,4-Trimethylbenzene	< 25.0	25.0		ug/Kg dry	16.2	05/07/19 07:21	B9E0360	JL	50
1,2-Dibromo-3-chloropropane	< 45.9	45.9		ug/Kg dry	45.9	05/07/19 07:21	B9E0360	JL	50
1,2-Dibromoethane	< 25.0	25.0		ug/Kg dry	14.0	05/07/19 07:21	B9E0360	JL	50
1,2-Dichloroethane	< 25.0	25.0		ug/Kg dry	10.2	05/07/19 07:21	B9E0360	JL	50
1,2-Dichloropropane	< 25.0	25.0		ug/Kg dry	18.8	05/07/19 07:21	B9E0360	JL	50
1,3,5-Trimethylbenzene	< 25.0	25.0		ug/Kg dry	15.8	05/07/19 07:21	B9E0360	JL	50
1-Butanol	< 480	480		ug/Kg dry	480	05/07/19 07:21	B9E0360	JL	50
2-Butanone	< 119	119		ug/Kg dry	119	05/07/19 07:21	B9E0360	JL	50
2-Hexanone	< 82.3	82.3		ug/Kg dry	82.3	05/07/19 07:21	B9E0360	JL	50
4-Methyl-2-pentanone	< 55.5	55.5		ug/Kg dry	55.5	05/07/19 07:21	B9E0360	JL	50
Acetone	< 205	205		ug/Kg dry	205	05/07/19 07:21	B9E0360	JL	50
Acrylonitrile	< 58.8	58.8		ug/Kg dry	58.8	05/07/19 07:21	B9E0360	JL	50
Benzene	< 25.0	25.0		ug/Kg dry	12.1	05/07/19 07:21	B9E0360	JL	50
Bromodichloromethane	< 25.0	25.0		ug/Kg dry	18.0	05/07/19 07:21	B9E0360	JL	50
Bromoform	< 25.0	25.0		ug/Kg dry	19.6	05/07/19 07:21	B9E0360	JL	50
Carbon disulfide	< 25.0	25.0		ug/Kg dry	14.6	05/07/19 07:21	B9E0360	JL	50
Carbon tetrachloride	< 25.0	25.0		ug/Kg dry	12.7	05/07/19 07:21	B9E0360	JL	50
Chlorobenzene	< 25.0	25.0		ug/Kg dry	13.9	05/07/19 07:21	B9E0360	JL	50
Chloroform	< 26.0	26.0		ug/Kg dry	26.0	05/07/19 07:21	B9E0360	JL	50
cis-1,2-Dichloroethene	< 28.7	28.7		ug/Kg dry	28.7	05/07/19 07:21	B9E0360	JL	50
Dibromochloromethane	< 25.0	25.0		ug/Kg dry	22.8	05/07/19 07:21	B9E0360	JL	50
Ethylbenzene	< 25.0	25.0		ug/Kg dry	17.9	05/07/19 07:21	B9E0360	JL	50
m,p-Xylene	< 89.1	89.1		ug/Kg dry	89.1	05/07/19 07:21	B9E0360	JL	50
Methyl tert-butyl ether	< 25.0	25.0		ug/Kg dry	20.9	05/07/19 07:21	B9E0360	JL	50
Methylene chloride	< 49.0	49.0		ug/Kg dry	49.0	05/07/19 07:21	B9E0360	JL	50
o-Xylene	< 25.0	25.0		ug/Kg dry	12.4	05/07/19 07:21	B9E0360	JL	50
Styrene	< 25.0	25.0		ug/Kg dry	17.9	05/07/19 07:21	B9E0360	JL	50
Tetrachloroethene	**1530**	25.0		ug/Kg dry	21.7	05/07/19 07:21	B9E0360	JL	50
Toluene	< 25.0	25.0		ug/Kg dry	16.3	05/07/19 07:21	B9E0360	JL	50
trans-1,2-Dichloroethene	< 39.5	39.5		ug/Kg dry	39.5	05/07/19 07:21	B9E0360	JL	50
Trichloroethene	< 25.0	25.0		ug/Kg dry	14.5	05/07/19 07:21	B9E0360	JL	50
Vinyl acetate	< 32.1	32.1		ug/Kg dry	32.1	05/07/19 07:21	B9E0360	JL	50
Vinyl chloride	< 25.0	25.0		ug/Kg dry	19.8	05/07/19 07:21	B9E0360	JL	50
Xylenes, Total	< 101	101		ug/Kg dry	101	05/07/19 07:21	B9E0360	JL	50
1,2-Dichloroethene, Total	< 68.2	68.2		ug/Kg dry	68.2	05/07/19 07:21	B9E0360	JL	50
Surrogate: Dibromofluoromethane				*Recovery: 112%*	*Limits: 78-137*	*05/07/19 07:21*	*B9E0360*	*JL*	*50*

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 19E0242

Client Sample ID: GP-1 13'-14'
Report Date: 05/13/2019
Collection Date: 05/01/2019 13:00
Matrix: Soil
Lab ID: 19E0242-03 (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 (Continued)									
Surrogate: 1,2-Dichloroethane-d4				*Recovery: 118%*	*Limits: 86-137*	*05/07/19 07:21*	*B9E0360*	*JL*	*50*
Surrogate: Fluorobenzene				*Recovery: 99%*	*Limits: 80-120*	*05/07/19 07:21*	*B9E0360*	*JL*	*50*
Surrogate: Toluene-d8				*Recovery: 90%*	*Limits: 73-112*	*05/07/19 07:21*	*B9E0360*	*JL*	*50*
Surrogate: 4-Bromofluorobenzene				*Recovery: 102%*	*Limits: 85-120*	*05/07/19 07:21*	*B9E0360*	*JL*	*50*
Surrogate: 1,2-Dichlorobenzene-d4				*Recovery: 113%*	*Limits: 85-128*	*05/07/19 07:21*	*B9E0360*	*JL*	*50*

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 19E0242

Client Sample ID: GP-2 3'-4'
Report Date: 05/13/2019
Collection Date: 05/01/2019 13:30
Matrix: Soil
Lab ID: 19E0242-04

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Wet Chemistry									
Method: SM2540G									
Total Solids	**83.6**	0.100		% (Percent)	0.00500	05/07/19 15:58	B9E0235	TB2	1
Volatile Organic Compounds by GC/MS									
Method: SW-846 8260B/WDNR: PUBL-FW-140									
1,1,1-Trichloroethane	< 26.5	26.5		ug/Kg dry	26.5	05/07/19 07:54	B9E0360	JL	50
1,1,2,2-Tetrachloroethane	< 25.6	25.6		ug/Kg dry	25.6	05/07/19 07:54	B9E0360	JL	50
1,1,2-Trichloroethane	< 26.3	26.3		ug/Kg dry	26.3	05/07/19 07:54	B9E0360	JL	50
1,1-Dichloroethane	< 39.8	39.8		ug/Kg dry	39.8	05/07/19 07:54	B9E0360	JL	50
1,1-Dichloroethene	< 31.1	31.1		ug/Kg dry	31.1	05/07/19 07:54	B9E0360	JL	50
1,2,4-Trimethylbenzene	< 25.0	25.0		ug/Kg dry	15.4	05/07/19 07:54	B9E0360	JL	50
1,2-Dibromo-3-chloropropane	< 43.6	43.6		ug/Kg dry	43.6	05/07/19 07:54	B9E0360	JL	50
1,2-Dibromoethane	< 25.0	25.0		ug/Kg dry	13.3	05/07/19 07:54	B9E0360	JL	50
1,2-Dichloroethane	< 25.0	25.0		ug/Kg dry	9.65	05/07/19 07:54	B9E0360	JL	50
1,2-Dichloropropane	< 25.0	25.0		ug/Kg dry	17.9	05/07/19 07:54	B9E0360	JL	50
1,3,5-Trimethylbenzene	< 25.0	25.0		ug/Kg dry	15.1	05/07/19 07:54	B9E0360	JL	50
1-Butanol	< 456	456		ug/Kg dry	456	05/07/19 07:54	B9E0360	JL	50
2-Butanone	< 113	113		ug/Kg dry	113	05/07/19 07:54	B9E0360	JL	50
2-Hexanone	< 78.2	78.2		ug/Kg dry	78.2	05/07/19 07:54	B9E0360	JL	50
4-Methyl-2-pentanone	< 52.7	52.7		ug/Kg dry	52.7	05/07/19 07:54	B9E0360	JL	50
Acetone	< 194	194		ug/Kg dry	194	05/07/19 07:54	B9E0360	JL	50
Acrylonitrile	< 55.9	55.9		ug/Kg dry	55.9	05/07/19 07:54	B9E0360	JL	50
Benzene	< 25.0	25.0		ug/Kg dry	11.5	05/07/19 07:54	B9E0360	JL	50
Bromodichloromethane	< 25.0	25.0		ug/Kg dry	17.1	05/07/19 07:54	B9E0360	JL	50
Bromoform	< 25.0	25.0		ug/Kg dry	18.6	05/07/19 07:54	B9E0360	JL	50
Carbon disulfide	< 25.0	25.0		ug/Kg dry	13.9	05/07/19 07:54	B9E0360	JL	50
Carbon tetrachloride	< 25.0	25.0		ug/Kg dry	12.0	05/07/19 07:54	B9E0360	JL	50
Chlorobenzene	< 25.0	25.0		ug/Kg dry	13.2	05/07/19 07:54	B9E0360	JL	50
Chloroform	< 25.0	25.0		ug/Kg dry	24.7	05/07/19 07:54	B9E0360	JL	50
cis-1,2-Dichloroethene	< 27.3	27.3		ug/Kg dry	27.3	05/07/19 07:54	B9E0360	JL	50
Dibromochloromethane	< 25.0	25.0		ug/Kg dry	21.6	05/07/19 07:54	B9E0360	JL	50
Ethylbenzene	< 25.0	25.0		ug/Kg dry	17.0	05/07/19 07:54	B9E0360	JL	50
m,p-Xylene	< 84.6	84.6		ug/Kg dry	84.6	05/07/19 07:54	B9E0360	JL	50
Methyl tert-butyl ether	< 25.0	25.0		ug/Kg dry	19.9	05/07/19 07:54	B9E0360	JL	50
Methylene chloride	< 46.6	46.6		ug/Kg dry	46.6	05/07/19 07:54	B9E0360	JL	50
o-Xylene	< 25.0	25.0		ug/Kg dry	11.8	05/07/19 07:54	B9E0360	JL	50
Styrene	< 25.0	25.0		ug/Kg dry	17.0	05/07/19 07:54	B9E0360	JL	50
Tetrachloroethene	< 25.0	25.0		ug/Kg dry	20.6	05/07/19 07:54	B9E0360	JL	50
Toluene	< 25.0	25.0		ug/Kg dry	15.5	05/07/19 07:54	B9E0360	JL	50
trans-1,2-Dichloroethene	< 37.5	37.5		ug/Kg dry	37.5	05/07/19 07:54	B9E0360	JL	50
Trichloroethene	< 25.0	25.0		ug/Kg dry	13.7	05/07/19 07:54	B9E0360	JL	50
Vinyl acetate	< 30.5	30.5		ug/Kg dry	30.5	05/07/19 07:54	B9E0360	JL	50
Vinyl chloride	< 25.0	25.0		ug/Kg dry	18.8	05/07/19 07:54	B9E0360	JL	50
Xylenes, Total	< 96.4	96.4		ug/Kg dry	96.4	05/07/19 07:54	B9E0360	JL	50
1,2-Dichloroethene, Total	< 64.8	64.8		ug/Kg dry	64.8	05/07/19 07:54	B9E0360	JL	50
Surrogate: Dibromofluoromethane				*Recovery: 108%*	*Limits: 78-137*	*05/07/19 07:54*	*B9E0360*	*JL*	*50*

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 19E0242

Client Sample ID: GP-2 3'-4'
Report Date: 05/13/2019
Collection Date: 05/01/2019 13:30
Matrix: Soil
Lab ID: 19E0242-04 (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 (Continued)									
Surrogate: 1,2-Dichloroethane-d4				*Recovery: 117%*	*Limits: 86-137*	*05/07/19 07:54*	*B9E0360*	*JL*	*50*
Surrogate: Fluorobenzene				*Recovery: 100%*	*Limits: 80-120*	*05/07/19 07:54*	*B9E0360*	*JL*	*50*
Surrogate: Toluene-d8				*Recovery: 90%*	*Limits: 73-112*	*05/07/19 07:54*	*B9E0360*	*JL*	*50*
Surrogate: 4-Bromofluorobenzene				*Recovery: 103%*	*Limits: 85-120*	*05/07/19 07:54*	*B9E0360*	*JL*	*50*
Surrogate: 1,2-Dichlorobenzene-d4				*Recovery: 113%*	*Limits: 85-128*	*05/07/19 07:54*	*B9E0360*	*JL*	*50*

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 19E0242

Client Sample ID: GP-2 7'-8'
Report Date: 05/13/2019
Collection Date: 05/01/2019 13:45
Matrix: Soil
Lab ID: 19E0242-05

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Wet Chemistry									
Method: SM2540G									
Total Solids	**85.1**	0.100		% (Percent)	0.00500	05/07/19 16:00	B9E0235	TB2	1
Volatile Organic Compounds by GC/MS									
Method: SW-846 8260B/WDNR: PUBL-FW-140									
1,1,1-Trichloroethane	< 25.0	25.0		ug/Kg dry	22.0	05/07/19 08:28	B9E0360	JL	50
1,1,2,2-Tetrachloroethane	< 25.0	25.0		ug/Kg dry	21.3	05/07/19 08:28	B9E0360	JL	50
1,1,2-Trichloroethane	< 25.0	25.0		ug/Kg dry	21.8	05/07/19 08:28	B9E0360	JL	50
1,1-Dichloroethane	< 33.1	33.1		ug/Kg dry	33.1	05/07/19 08:28	B9E0360	JL	50
1,1-Dichloroethene	< 25.9	25.9		ug/Kg dry	25.9	05/07/19 08:28	B9E0360	JL	50
1,2,4-Trimethylbenzene	< 25.0	25.0		ug/Kg dry	12.8	05/07/19 08:28	B9E0360	JL	50
1,2-Dibromo-3-chloropropane	< 36.2	36.2		ug/Kg dry	36.2	05/07/19 08:28	B9E0360	JL	50
1,2-Dibromoethane	< 25.0	25.0		ug/Kg dry	11.1	05/07/19 08:28	B9E0360	JL	50
1,2-Dichloroethane	< 25.0	25.0		ug/Kg dry	8.02	05/07/19 08:28	B9E0360	JL	50
1,2-Dichloropropane	< 25.0	25.0		ug/Kg dry	14.8	05/07/19 08:28	B9E0360	JL	50
1,3,5-Trimethylbenzene	< 25.0	25.0		ug/Kg dry	12.5	05/07/19 08:28	B9E0360	JL	50
1-Butanol	< 379	379		ug/Kg dry	379	05/07/19 08:28	B9E0360	JL	50
2-Butanone	< 94.1	94.1		ug/Kg dry	94.1	05/07/19 08:28	B9E0360	JL	50
2-Hexanone	< 65.0	65.0		ug/Kg dry	65.0	05/07/19 08:28	B9E0360	JL	50
4-Methyl-2-pentanone	< 43.8	43.8		ug/Kg dry	43.8	05/07/19 08:28	B9E0360	JL	50
Acetone	< 161	161		ug/Kg dry	161	05/07/19 08:28	B9E0360	JL	50
Acrylonitrile	< 46.4	46.4		ug/Kg dry	46.4	05/07/19 08:28	B9E0360	JL	50
Benzene	< 25.0	25.0		ug/Kg dry	9.51	05/07/19 08:28	B9E0360	JL	50
Bromodichloromethane	< 25.0	25.0		ug/Kg dry	14.2	05/07/19 08:28	B9E0360	JL	50
Bromoform	< 25.0	25.0		ug/Kg dry	15.5	05/07/19 08:28	B9E0360	JL	50
Carbon disulfide	< 25.0	25.0		ug/Kg dry	11.6	05/07/19 08:28	B9E0360	JL	50
Carbon tetrachloride	< 25.0	25.0		ug/Kg dry	9.99	05/07/19 08:28	B9E0360	JL	50
Chlorobenzene	< 25.0	25.0		ug/Kg dry	11.0	05/07/19 08:28	B9E0360	JL	50
Chloroform	< 25.0	25.0		ug/Kg dry	20.5	05/07/19 08:28	B9E0360	JL	50
cis-1,2-Dichloroethene	< 25.0	25.0		ug/Kg dry	22.7	05/07/19 08:28	B9E0360	JL	50
Dibromochloromethane	< 25.0	25.0		ug/Kg dry	18.0	05/07/19 08:28	B9E0360	JL	50
Ethylbenzene	< 25.0	25.0		ug/Kg dry	14.1	05/07/19 08:28	B9E0360	JL	50
m,p-Xylene	< 70.3	70.3		ug/Kg dry	70.3	05/07/19 08:28	B9E0360	JL	50
Methyl tert-butyl ether	< 25.0	25.0		ug/Kg dry	16.5	05/07/19 08:28	B9E0360	JL	50
Methylene chloride	< 38.7	38.7		ug/Kg dry	38.7	05/07/19 08:28	B9E0360	JL	50
o-Xylene	< 25.0	25.0		ug/Kg dry	9.77	05/07/19 08:28	B9E0360	JL	50
Styrene	< 25.0	25.0		ug/Kg dry	14.1	05/07/19 08:28	B9E0360	JL	50
Tetrachloroethene	**253**	25.0		ug/Kg dry	17.1	05/07/19 08:28	B9E0360	JL	50
Toluene	< 25.0	25.0		ug/Kg dry	12.8	05/07/19 08:28	B9E0360	JL	50
trans-1,2-Dichloroethene	< 31.2	31.2		ug/Kg dry	31.2	05/07/19 08:28	B9E0360	JL	50
Trichloroethene	< 25.0	25.0		ug/Kg dry	11.4	05/07/19 08:28	B9E0360	JL	50
Vinyl acetate	< 25.3	25.3		ug/Kg dry	25.3	05/07/19 08:28	B9E0360	JL	50
Vinyl chloride	< 25.0	25.0		ug/Kg dry	15.6	05/07/19 08:28	B9E0360	JL	50
Xylenes, Total	< 80.1	80.1		ug/Kg dry	80.1	05/07/19 08:28	B9E0360	JL	50
1,2-Dichloroethene, Total	< 53.9	53.9		ug/Kg dry	53.9	05/07/19 08:28	B9E0360	JL	50
Surrogate: Dibromofluoromethane				*Recovery: 107%*	*Limits: 78-137*	*05/07/19 08:28*	*B9E0360*	*JL*	*50*

Environmental Monitoring and Technologies, Inc.

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 19006
Work Order: 19E0242

Client Sample ID: GP-2 7'-8'
Report Date: 05/13/2019
Collection Date: 05/01/2019 13:45
Matrix: Soil
Lab ID: 19E0242-05 (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 (Continued)									
Surrogate: 1,2-Dichloroethane-d4				*Recovery: 117%*	*Limits: 86-137*	*05/07/19 08:28*	*B9E0360*	*JL*	*50*
Surrogate: Fluorobenzene				*Recovery: 99%*	*Limits: 80-120*	*05/07/19 08:28*	*B9E0360*	*JL*	*50*
Surrogate: Toluene-d8				*Recovery: 92%*	*Limits: 73-112*	*05/07/19 08:28*	*B9E0360*	*JL*	*50*
Surrogate: 4-Bromofluorobenzene				*Recovery: 92%*	*Limits: 85-120*	*05/07/19 08:28*	*B9E0360*	*JL*	*50*
Surrogate: 1,2-Dichlorobenzene-d4				*Recovery: 114%*	*Limits: 85-128*	*05/07/19 08:28*	*B9E0360*	*JL*	*50*

Environmental Monitoring and Technologies, Inc.

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 19006
Work Order: 19E0242

Client Sample ID: GP-2 15'-16'
Report Date: 05/13/2019
Collection Date: 05/01/2019 14:00
Matrix: Soil
Lab ID: 19E0242-06

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Wet Chemistry									
Method: SM2540G									
Total Solids	**95.8**	0.100		% (Percent)	0.00500	05/07/19 16:02	B9E0235	TB2	1
Volatile Organic Compounds by GC/MS									
Method: SW-846 8260B/WDNR: PUBL-FW-140									
1,1,1-Trichloroethane	< 27.0	27.0		ug/Kg dry	27.0	05/07/19 09:02	B9E0360	JL	50
1,1,2,2-Tetrachloroethane	< 26.1	26.1		ug/Kg dry	26.1	05/07/19 09:02	B9E0360	JL	50
1,1,2-Trichloroethane	< 26.8	26.8		ug/Kg dry	26.8	05/07/19 09:02	B9E0360	JL	50
1,1-Dichloroethane	< 40.6	40.6		ug/Kg dry	40.6	05/07/19 09:02	B9E0360	JL	50
1,1-Dichloroethene	< 31.8	31.8		ug/Kg dry	31.8	05/07/19 09:02	B9E0360	JL	50
1,2,4-Trimethylbenzene	< 25.0	25.0		ug/Kg dry	15.7	05/07/19 09:02	B9E0360	JL	50
1,2-Dibromo-3-chloropropane	< 44.5	44.5		ug/Kg dry	44.5	05/07/19 09:02	B9E0360	JL	50
1,2-Dibromoethane	< 25.0	25.0		ug/Kg dry	13.6	05/07/19 09:02	B9E0360	JL	50
1,2-Dichloroethane	< 25.0	25.0		ug/Kg dry	9.85	05/07/19 09:02	B9E0360	JL	50
1,2-Dichloropropane	< 25.0	25.0		ug/Kg dry	18.2	05/07/19 09:02	B9E0360	JL	50
1,3,5-Trimethylbenzene	< 25.0	25.0		ug/Kg dry	15.4	05/07/19 09:02	B9E0360	JL	50
1-Butanol	< 465	465		ug/Kg dry	465	05/07/19 09:02	B9E0360	JL	50
2-Butanone	< 116	116		ug/Kg dry	116	05/07/19 09:02	B9E0360	JL	50
2-Hexanone	< 79.8	79.8		ug/Kg dry	79.8	05/07/19 09:02	B9E0360	JL	50
4-Methyl-2-pentanone	< 53.8	53.8		ug/Kg dry	53.8	05/07/19 09:02	B9E0360	JL	50
Acetone	< 198	198		ug/Kg dry	198	05/07/19 09:02	B9E0360	JL	50
Acrylonitrile	< 57.0	57.0		ug/Kg dry	57.0	05/07/19 09:02	B9E0360	JL	50
Benzene	< 25.0	25.0		ug/Kg dry	11.7	05/07/19 09:02	B9E0360	JL	50
Bromodichloromethane	< 25.0	25.0		ug/Kg dry	17.4	05/07/19 09:02	B9E0360	JL	50
Bromoform	< 25.0	25.0		ug/Kg dry	19.0	05/07/19 09:02	B9E0360	JL	50
Carbon disulfide	< 25.0	25.0		ug/Kg dry	14.2	05/07/19 09:02	B9E0360	JL	50
Carbon tetrachloride	< 25.0	25.0		ug/Kg dry	12.3	05/07/19 09:02	B9E0360	JL	50
Chlorobenzene	< 25.0	25.0		ug/Kg dry	13.5	05/07/19 09:02	B9E0360	JL	50
Chloroform	< 25.2	25.2		ug/Kg dry	25.2	05/07/19 09:02	B9E0360	JL	50
cis-1,2-Dichloroethene	< 27.8	27.8		ug/Kg dry	27.8	05/07/19 09:02	B9E0360	JL	50
Dibromochloromethane	< 25.0	25.0		ug/Kg dry	22.1	05/07/19 09:02	B9E0360	JL	50
Ethylbenzene	< 25.0	25.0		ug/Kg dry	17.4	05/07/19 09:02	B9E0360	JL	50
m,p-Xylene	< 86.4	86.4		ug/Kg dry	86.4	05/07/19 09:02	B9E0360	JL	50
Methyl tert-butyl ether	< 25.0	25.0		ug/Kg dry	20.3	05/07/19 09:02	B9E0360	JL	50
Methylene chloride	< 47.5	47.5		ug/Kg dry	47.5	05/07/19 09:02	B9E0360	JL	50
o-Xylene	< 25.0	25.0		ug/Kg dry	12.0	05/07/19 09:02	B9E0360	JL	50
Styrene	< 25.0	25.0		ug/Kg dry	17.3	05/07/19 09:02	B9E0360	JL	50
Tetrachloroethene	**6110**	25.0		ug/Kg dry	21.0	05/07/19 09:02	B9E0360	JL	50
Toluene	< 25.0	25.0		ug/Kg dry	15.8	05/07/19 09:02	B9E0360	JL	50
trans-1,2-Dichloroethene	< 38.3	38.3		ug/Kg dry	38.3	05/07/19 09:02	B9E0360	JL	50
Trichloroethene	< 25.0	25.0		ug/Kg dry	14.0	05/07/19 09:02	B9E0360	JL	50
Vinyl acetate	< 31.1	31.1		ug/Kg dry	31.1	05/07/19 09:02	B9E0360	JL	50
Vinyl chloride	< 25.0	25.0		ug/Kg dry	19.2	05/07/19 09:02	B9E0360	JL	50
Xylenes, Total	< 98.4	98.4		ug/Kg dry	98.4	05/07/19 09:02	B9E0360	JL	50
1,2-Dichloroethene, Total	< 66.2	66.2		ug/Kg dry	66.2	05/07/19 09:02	B9E0360	JL	50
Surrogate: Dibromofluoromethane				*Recovery: 109%*	*Limits: 78-137*	*05/07/19 09:02*	*B9E0360*	*JL*	*50*

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 19E0242

Client Sample ID: GP-2 15'-16'
Report Date: 05/13/2019
Collection Date: 05/01/2019 14:00
Matrix: Soil
Lab ID: 19E0242-06 (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 (Continued)									
Surrogate: 1,2-Dichloroethane-d4				*Recovery: 115%*	*Limits: 86-137*	*05/07/19 09:02*	*B9E0360*	*JL*	*50*
Surrogate: Fluorobenzene				*Recovery: 98%*	*Limits: 80-120*	*05/07/19 09:02*	*B9E0360*	*JL*	*50*
Surrogate: Toluene-d8				*Recovery: 90%*	*Limits: 73-112*	*05/07/19 09:02*	*B9E0360*	*JL*	*50*
Surrogate: 4-Bromofluorobenzene				*Recovery: 102%*	*Limits: 85-120*	*05/07/19 09:02*	*B9E0360*	*JL*	*50*
Surrogate: 1,2-Dichlorobenzene-d4				*Recovery: 110%*	*Limits: 85-128*	*05/07/19 09:02*	*B9E0360*	*JL*	*50*

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 19E0242

Client Sample ID: GP-3 3'-4'
Report Date: 05/13/2019
Collection Date: 05/01/2019 14:30
Matrix: Soil
Lab ID: 19E0242-07

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Wet Chemistry									
Method: SM2540G									
Total Solids	**85.1**	0.100		% (Percent)	0.00500	05/07/19 16:04	B9E0235	TB2	1
Volatile Organic Compounds by GC/MS									
Method: SW-846 8260B/WDNR: PUBL-FW-140									
1,1,1-Trichloroethane	< 30.6	30.6		ug/Kg dry	30.6	05/07/19 09:36	B9E0360	JL	50
1,1,2,2-Tetrachloroethane	< 29.6	29.6		ug/Kg dry	29.6	05/07/19 09:36	B9E0360	JL	50
1,1,2-Trichloroethane	< 30.4	30.4		ug/Kg dry	30.4	05/07/19 09:36	B9E0360	JL	50
1,1-Dichloroethane	< 46.0	46.0		ug/Kg dry	46.0	05/07/19 09:36	B9E0360	JL	50
1,1-Dichloroethene	< 36.0	36.0		ug/Kg dry	36.0	05/07/19 09:36	B9E0360	JL	50
1,2,4-Trimethylbenzene	< 25.0	25.0		ug/Kg dry	17.8	05/07/19 09:36	B9E0360	JL	50
1,2-Dibromo-3-chloropropane	< 50.4	50.4		ug/Kg dry	50.4	05/07/19 09:36	B9E0360	JL	50
1,2-Dibromoethane	< 25.0	25.0		ug/Kg dry	15.4	05/07/19 09:36	B9E0360	JL	50
1,2-Dichloroethane	< 25.0	25.0		ug/Kg dry	11.2	05/07/19 09:36	B9E0360	JL	50
1,2-Dichloropropane	< 25.0	25.0		ug/Kg dry	20.7	05/07/19 09:36	B9E0360	JL	50
1,3,5-Trimethylbenzene	< 25.0	25.0		ug/Kg dry	17.4	05/07/19 09:36	B9E0360	JL	50
1-Butanol	< 527	527		ug/Kg dry	527	05/07/19 09:36	B9E0360	JL	50
2-Butanone	< 131	131		ug/Kg dry	131	05/07/19 09:36	B9E0360	JL	50
2-Hexanone	< 90.5	90.5		ug/Kg dry	90.5	05/07/19 09:36	B9E0360	JL	50
4-Methyl-2-pentanone	< 60.9	60.9		ug/Kg dry	60.9	05/07/19 09:36	B9E0360	JL	50
Acetone	< 225	225		ug/Kg dry	225	05/07/19 09:36	B9E0360	JL	50
Acrylonitrile	< 64.6	64.6		ug/Kg dry	64.6	05/07/19 09:36	B9E0360	JL	50
Benzene	< 25.0	25.0		ug/Kg dry	13.2	05/07/19 09:36	B9E0360	JL	50
Bromodichloromethane	< 25.0	25.0		ug/Kg dry	19.8	05/07/19 09:36	B9E0360	JL	50
Bromoform	< 25.0	25.0		ug/Kg dry	21.5	05/07/19 09:36	B9E0360	JL	50
Carbon disulfide	< 25.0	25.0		ug/Kg dry	16.1	05/07/19 09:36	B9E0360	JL	50
Carbon tetrachloride	< 25.0	25.0		ug/Kg dry	13.9	05/07/19 09:36	B9E0360	JL	50
Chlorobenzene	< 25.0	25.0		ug/Kg dry	15.3	05/07/19 09:36	B9E0360	JL	50
Chloroform	< 28.6	28.6		ug/Kg dry	28.6	05/07/19 09:36	B9E0360	JL	50
cis-1,2-Dichloroethene	< 31.5	31.5		ug/Kg dry	31.5	05/07/19 09:36	B9E0360	JL	50
Dibromochloromethane	< 25.0	25.0		ug/Kg dry	25.0	05/07/19 09:36	B9E0360	JL	50
Ethylbenzene	< 25.0	25.0		ug/Kg dry	19.7	05/07/19 09:36	B9E0360	JL	50
m,p-Xylene	< 97.8	97.8		ug/Kg dry	97.8	05/07/19 09:36	B9E0360	JL	50
Methyl tert-butyl ether	< 25.0	25.0		ug/Kg dry	23.0	05/07/19 09:36	B9E0360	JL	50
Methylene chloride	< 53.8	53.8		ug/Kg dry	53.8	05/07/19 09:36	B9E0360	JL	50
o-Xylene	< 25.0	25.0		ug/Kg dry	13.6	05/07/19 09:36	B9E0360	JL	50
Styrene	< 25.0	25.0		ug/Kg dry	19.7	05/07/19 09:36	B9E0360	JL	50
Tetrachloroethene	< 25.0	25.0		ug/Kg dry	23.8	05/07/19 09:36	B9E0360	JL	50
Toluene	< 25.0	25.0		ug/Kg dry	17.9	05/07/19 09:36	B9E0360	JL	50
trans-1,2-Dichloroethene	< 43.4	43.4		ug/Kg dry	43.4	05/07/19 09:36	B9E0360	JL	50
Trichloroethene	< 25.0	25.0		ug/Kg dry	15.9	05/07/19 09:36	B9E0360	JL	50
Vinyl acetate	< 35.3	35.3		ug/Kg dry	35.3	05/07/19 09:36	B9E0360	JL	50
Vinyl chloride	< 25.0	25.0		ug/Kg dry	21.7	05/07/19 09:36	B9E0360	JL	50
Xylenes, Total	< 111	111		ug/Kg dry	111	05/07/19 09:36	B9E0360	JL	50
1,2-Dichloroethene, Total	< 75.0	75.0		ug/Kg dry	75.0	05/07/19 09:36	B9E0360	JL	50
Surrogate: Dibromofluoromethane				*Recovery: 111%*	*Limits: 78-137*	*05/07/19 09:36*	*B9E0360*	*JL*	*50*

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 19E0242

Client Sample ID: GP-3 3'-4'
Report Date: 05/13/2019
Collection Date: 05/01/2019 14:30
Matrix: Soil
Lab ID: 19E0242-07 (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 (Continued)									
Surrogate: 1,2-Dichloroethane-d4				*Recovery: 120%*	*Limits: 86-137*	*05/07/19 09:36*	*B9E0360*	*JL*	*50*
Surrogate: Fluorobenzene				*Recovery: 101%*	*Limits: 80-120*	*05/07/19 09:36*	*B9E0360*	*JL*	*50*
Surrogate: Toluene-d8				*Recovery: 90%*	*Limits: 73-112*	*05/07/19 09:36*	*B9E0360*	*JL*	*50*
Surrogate: 4-Bromofluorobenzene				*Recovery: 100%*	*Limits: 85-120*	*05/07/19 09:36*	*B9E0360*	*JL*	*50*
Surrogate: 1,2-Dichlorobenzene-d4				*Recovery: 112%*	*Limits: 85-128*	*05/07/19 09:36*	*B9E0360*	*JL*	*50*

Environmental Monitoring and Technologies, Inc.

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 19E0242

Client Sample ID: GP-3 6'-7'
Report Date: 05/13/2019
Collection Date: 05/01/2019 14:45
Matrix: Soil
Lab ID: 19E0242-08

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Wet Chemistry									
Method: SM2540G									
Total Solids	**84.9**	0.100		% (Percent)	0.00500	05/07/19 16:06	B9E0235	TB2	1
Volatile Organic Compounds by GC/MS									
Method: SW-846 8260B/WDNR: PUBL-FW-140									
1,1,1-Trichloroethane	< 25.0	25.0		ug/Kg dry	24.1	05/07/19 10:09	B9E0360	JL	50
1,1,2,2-Tetrachloroethane	< 25.0	25.0		ug/Kg dry	23.3	05/07/19 10:09	B9E0360	JL	50
1,1,2-Trichloroethane	< 25.0	25.0		ug/Kg dry	23.9	05/07/19 10:09	B9E0360	JL	50
1,1-Dichloroethane	< 36.2	36.2		ug/Kg dry	36.2	05/07/19 10:09	B9E0360	JL	50
1,1-Dichloroethene	< 28.3	28.3		ug/Kg dry	28.3	05/07/19 10:09	B9E0360	JL	50
1,2,4-Trimethylbenzene	< 25.0	25.0		ug/Kg dry	14.0	05/07/19 10:09	B9E0360	JL	50
1,2-Dibromo-3-chloropropane	< 39.6	39.6		ug/Kg dry	39.6	05/07/19 10:09	B9E0360	JL	50
1,2-Dibromoethane	< 25.0	25.0		ug/Kg dry	12.1	05/07/19 10:09	B9E0360	JL	50
1,2-Dichloroethane	< 25.0	25.0		ug/Kg dry	8.78	05/07/19 10:09	B9E0360	JL	50
1,2-Dichloropropane	< 25.0	25.0		ug/Kg dry	16.3	05/07/19 10:09	B9E0360	JL	50
1,3,5-Trimethylbenzene	< 25.0	25.0		ug/Kg dry	13.7	05/07/19 10:09	B9E0360	JL	50
1-Butanol	< 415	415		ug/Kg dry	415	05/07/19 10:09	B9E0360	JL	50
2-Butanone	< 103	103		ug/Kg dry	103	05/07/19 10:09	B9E0360	JL	50
2-Hexanone	< 71.1	71.1		ug/Kg dry	71.1	05/07/19 10:09	B9E0360	JL	50
4-Methyl-2-pentanone	< 47.9	47.9		ug/Kg dry	47.9	05/07/19 10:09	B9E0360	JL	50
Acetone	< 177	177		ug/Kg dry	177	05/07/19 10:09	B9E0360	JL	50
Acrylonitrile	< 50.8	50.8		ug/Kg dry	50.8	05/07/19 10:09	B9E0360	JL	50
Benzene	< 25.0	25.0		ug/Kg dry	10.4	05/07/19 10:09	B9E0360	JL	50
Bromodichloromethane	< 25.0	25.0		ug/Kg dry	15.5	05/07/19 10:09	B9E0360	JL	50
Bromoform	< 25.0	25.0		ug/Kg dry	16.9	05/07/19 10:09	B9E0360	JL	50
Carbon disulfide	< 25.0	25.0		ug/Kg dry	12.7	05/07/19 10:09	B9E0360	JL	50
Carbon tetrachloride	< 25.0	25.0		ug/Kg dry	10.9	05/07/19 10:09	B9E0360	JL	50
Chlorobenzene	< 25.0	25.0		ug/Kg dry	12.0	05/07/19 10:09	B9E0360	JL	50
Chloroform	< 25.0	25.0		ug/Kg dry	22.5	05/07/19 10:09	B9E0360	JL	50
cis-1,2-Dichloroethene	< 25.0	25.0		ug/Kg dry	24.8	05/07/19 10:09	B9E0360	JL	50
Dibromochloromethane	< 25.0	25.0		ug/Kg dry	19.7	05/07/19 10:09	B9E0360	JL	50
Ethylbenzene	< 25.0	25.0		ug/Kg dry	15.5	05/07/19 10:09	B9E0360	JL	50
m,p-Xylene	< 77.0	77.0		ug/Kg dry	77.0	05/07/19 10:09	B9E0360	JL	50
Methyl tert-butyl ether	< 25.0	25.0		ug/Kg dry	18.1	05/07/19 10:09	B9E0360	JL	50
Methylene chloride	< 42.3	42.3		ug/Kg dry	42.3	05/07/19 10:09	B9E0360	JL	50
o-Xylene	< 25.0	25.0		ug/Kg dry	10.7	05/07/19 10:09	B9E0360	JL	50
Styrene	< 25.0	25.0		ug/Kg dry	15.5	05/07/19 10:09	B9E0360	JL	50
Tetrachloroethene	**100**	25.0		ug/Kg dry	18.8	05/07/19 10:09	B9E0360	JL	50
Toluene	< 25.0	25.0		ug/Kg dry	14.1	05/07/19 10:09	B9E0360	JL	50
trans-1,2-Dichloroethene	< 34.2	34.2		ug/Kg dry	34.2	05/07/19 10:09	B9E0360	JL	50
Trichloroethene	< 25.0	25.0		ug/Kg dry	12.5	05/07/19 10:09	B9E0360	JL	50
Vinyl acetate	< 27.7	27.7		ug/Kg dry	27.7	05/07/19 10:09	B9E0360	JL	50
Vinyl chloride	< 25.0	25.0		ug/Kg dry	17.1	05/07/19 10:09	B9E0360	JL	50
Xylenes, Total	< 87.7	87.7		ug/Kg dry	87.7	05/07/19 10:09	B9E0360	JL	50
1,2-Dichloroethene, Total	< 59.0	59.0		ug/Kg dry	59.0	05/07/19 10:09	B9E0360	JL	50
Surrogate: Dibromofluoromethane				*Recovery: 114%*	*Limits: 78-137*	*05/07/19 10:09*	*B9E0360*	*JL*	*50*

Environmental Monitoring and Technologies, Inc.

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 19E0242

Client Sample ID: GP-3 6'-7'
Report Date: 05/13/2019
Collection Date: 05/01/2019 14:45
Matrix: Soil
Lab ID: 19E0242-08 (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 (Continued)									
Surrogate: 1,2-Dichloroethane-d4				*Recovery: 120%*	*Limits: 86-137*	*05/07/19 10:09*	*B9E0360*	*JL*	*50*
Surrogate: Fluorobenzene				*Recovery: 102%*	*Limits: 80-120*	*05/07/19 10:09*	*B9E0360*	*JL*	*50*
Surrogate: Toluene-d8				*Recovery: 91%*	*Limits: 73-112*	*05/07/19 10:09*	*B9E0360*	*JL*	*50*
Surrogate: 4-Bromofluorobenzene				*Recovery: 102%*	*Limits: 85-120*	*05/07/19 10:09*	*B9E0360*	*JL*	*50*
Surrogate: 1,2-Dichlorobenzene-d4				*Recovery: 114%*	*Limits: 85-128*	*05/07/19 10:09*	*B9E0360*	*JL*	*50*

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 19E0242

Client Sample ID: GP-3 13'-14'
Report Date: 05/13/2019
Collection Date: 05/01/2019 15:00
Matrix: Soil
Lab ID: 19E0242-09

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Wet Chemistry									
Method: SM2540G									
Total Solids	**93.4**	0.100		% (Percent)	0.00500	05/07/19 16:08	B9E0235	TB2	1
Volatile Organic Compounds by GC/MS									
Method: SW-846 8260B/WDNR: PUBL-FW-140									
1,1,1-Trichloroethane	< 28.1	28.1		ug/Kg dry	28.1	05/07/19 10:43	B9E0360	JL	50
1,1,2,2-Tetrachloroethane	< 27.2	27.2		ug/Kg dry	27.2	05/07/19 10:43	B9E0360	JL	50
1,1,2-Trichloroethane	< 27.9	27.9		ug/Kg dry	27.9	05/07/19 10:43	B9E0360	JL	50
1,1-Dichloroethane	< 42.3	42.3		ug/Kg dry	42.3	05/07/19 10:43	B9E0360	JL	50
1,1-Dichloroethene	< 33.1	33.1		ug/Kg dry	33.1	05/07/19 10:43	B9E0360	JL	50
1,2,4-Trimethylbenzene	< 25.0	25.0		ug/Kg dry	16.3	05/07/19 10:43	B9E0360	JL	50
1,2-Dibromo-3-chloropropane	< 46.3	46.3		ug/Kg dry	46.3	05/07/19 10:43	B9E0360	JL	50
1,2-Dibromoethane	< 25.0	25.0		ug/Kg dry	14.2	05/07/19 10:43	B9E0360	JL	50
1,2-Dichloroethane	< 25.0	25.0		ug/Kg dry	10.3	05/07/19 10:43	B9E0360	JL	50
1,2-Dichloropropane	< 25.0	25.0		ug/Kg dry	19.0	05/07/19 10:43	B9E0360	JL	50
1,3,5-Trimethylbenzene	< 25.0	25.0		ug/Kg dry	16.0	05/07/19 10:43	B9E0360	JL	50
1-Butanol	< 484	484		ug/Kg dry	484	05/07/19 10:43	B9E0360	JL	50
2-Butanone	< 120	120		ug/Kg dry	120	05/07/19 10:43	B9E0360	JL	50
2-Hexanone	< 83.1	83.1		ug/Kg dry	83.1	05/07/19 10:43	B9E0360	JL	50
4-Methyl-2-pentanone	< 56.0	56.0		ug/Kg dry	56.0	05/07/19 10:43	B9E0360	JL	50
Acetone	< 206	206		ug/Kg dry	206	05/07/19 10:43	B9E0360	JL	50
Acrylonitrile	< 59.4	59.4		ug/Kg dry	59.4	05/07/19 10:43	B9E0360	JL	50
Benzene	< 25.0	25.0		ug/Kg dry	12.2	05/07/19 10:43	B9E0360	JL	50
Bromodichloromethane	< 25.0	25.0		ug/Kg dry	18.1	05/07/19 10:43	B9E0360	JL	50
Bromoform	< 25.0	25.0		ug/Kg dry	19.8	05/07/19 10:43	B9E0360	JL	50
Carbon disulfide	< 25.0	25.0		ug/Kg dry	14.8	05/07/19 10:43	B9E0360	JL	50
Carbon tetrachloride	< 25.0	25.0		ug/Kg dry	12.8	05/07/19 10:43	B9E0360	JL	50
Chlorobenzene	< 25.0	25.0		ug/Kg dry	14.1	05/07/19 10:43	B9E0360	JL	50
Chloroform	< 26.3	26.3		ug/Kg dry	26.3	05/07/19 10:43	B9E0360	JL	50
cis-1,2-Dichloroethene	< 29.0	29.0		ug/Kg dry	29.0	05/07/19 10:43	B9E0360	JL	50
Dibromochloromethane	< 25.0	25.0		ug/Kg dry	23.0	05/07/19 10:43	B9E0360	JL	50
Ethylbenzene	< 25.0	25.0		ug/Kg dry	18.1	05/07/19 10:43	B9E0360	JL	50
m,p-Xylene	< 89.9	89.9		ug/Kg dry	89.9	05/07/19 10:43	B9E0360	JL	50
Methyl tert-butyl ether	< 25.0	25.0		ug/Kg dry	21.1	05/07/19 10:43	B9E0360	JL	50
Methylene chloride	< 49.4	49.4		ug/Kg dry	49.4	05/07/19 10:43	B9E0360	JL	50
o-Xylene	< 25.0	25.0		ug/Kg dry	12.5	05/07/19 10:43	B9E0360	JL	50
Styrene	< 25.0	25.0		ug/Kg dry	18.1	05/07/19 10:43	B9E0360	JL	50
Tetrachloroethene	**632**	25.0		ug/Kg dry	21.9	05/07/19 10:43	B9E0360	JL	50
Toluene	< 25.0	25.0		ug/Kg dry	16.4	05/07/19 10:43	B9E0360	JL	50
trans-1,2-Dichloroethene	< 39.9	39.9		ug/Kg dry	39.9	05/07/19 10:43	B9E0360	JL	50
Trichloroethene	< 25.0	25.0		ug/Kg dry	14.6	05/07/19 10:43	B9E0360	JL	50
Vinyl acetate	< 32.4	32.4		ug/Kg dry	32.4	05/07/19 10:43	B9E0360	JL	50
Vinyl chloride	< 25.0	25.0		ug/Kg dry	20.0	05/07/19 10:43	B9E0360	JL	50
Xylenes, Total	< 102	102		ug/Kg dry	102	05/07/19 10:43	B9E0360	JL	50
1,2-Dichloroethene, Total	< 68.9	68.9		ug/Kg dry	68.9	05/07/19 10:43	B9E0360	JL	50
Surrogate: Dibromofluoromethane				*Recovery: 116%*	*Limits: 78-137*	*05/07/19 10:43*	*B9E0360*	*JL*	*50*

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 19E0242

Client Sample ID: GP-3 13'-14'
Report Date: 05/13/2019
Collection Date: 05/01/2019 15:00
Matrix: Soil
Lab ID: 19E0242-09 (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 (Continued)									
Surrogate: 1,2-Dichloroethane-d4				*Recovery: 116%*	*Limits: 86-137*	*05/07/19 10:43*	*B9E0360*	*JL*	*50*
Surrogate: Fluorobenzene				*Recovery: 100%*	*Limits: 80-120*	*05/07/19 10:43*	*B9E0360*	*JL*	*50*
Surrogate: Toluene-d8				*Recovery: 91%*	*Limits: 73-112*	*05/07/19 10:43*	*B9E0360*	*JL*	*50*
Surrogate: 4-Bromofluorobenzene				*Recovery: 102%*	*Limits: 85-120*	*05/07/19 10:43*	*B9E0360*	*JL*	*50*
Surrogate: 1,2-Dichlorobenzene-d4				*Recovery: 114%*	*Limits: 85-128*	*05/07/19 10:43*	*B9E0360*	*JL*	*50*

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 19006
Work Order: 19E0242

Client Sample ID: TW1
Report Date: 05/13/2019
Collection Date: 05/01/2019 13:15
Matrix: Water
Lab ID: 19E0242-10

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	05/09/19 21:30	B9E0358	JL	1
1,1,2,2-Tetrachloroethane	< 0.291	2.00		ug/L	0.291	05/09/19 21:30	B9E0358	JL	1
1,1,2-Trichloroethane	< 0.264	2.00		ug/L	0.264	05/09/19 21:30	B9E0358	JL	1
1,1-Dichloroethane	< 1.94	8.00		ug/L	1.94	05/09/19 21:30	B9E0358	JL	1
1,1-Dichloroethene	< 1.02	4.00		ug/L	1.02	05/09/19 21:30	B9E0358	JL	1
1,2,4-Trimethylbenzene	< 0.338	2.00		ug/L	0.338	05/09/19 21:30	B9E0358	JL	1
1,2-Dibromo-3-chloropropane	< 0.488	2.00		ug/L	0.488	05/09/19 21:30	B9E0358	JL	1
1,2-Dibromoethane	< 0.320	2.00		ug/L	0.320	05/09/19 21:30	B9E0358	JL	1
1,2-Dichloroethane	< 0.274	2.00		ug/L	0.274	05/09/19 21:30	B9E0358	JL	1
1,2-Dichloropropane	< 1.11	4.00		ug/L	1.11	05/09/19 21:30	B9E0358	JL	1
1,3,5-Trimethylbenzene	< 0.310	2.00		ug/L	0.310	05/09/19 21:30	B9E0358	JL	1
1-Butanol	< 6.69	90.0		ug/L	6.69	05/09/19 21:30	B9E0358	JL	1
2-Butanone	< 1.38	8.00		ug/L	1.38	05/09/19 21:30	B9E0358	JL	1
2-Hexanone	< 1.04	8.00		ug/L	1.04	05/09/19 21:30	B9E0358	JL	1
4-Methyl-2-pentanone	< 0.660	28.0		ug/L	0.660	05/09/19 21:30	B9E0358	JL	1
Acetone	< 3.75	28.0		ug/L	3.75	05/09/19 21:30	B9E0358	JL	1
Acrolein	< 6.63	20.0		ug/L	6.63	05/09/19 21:30	B9E0358	JL	1
Acrylonitrile	< 0.742	4.00		ug/L	0.742	05/09/19 21:30	B9E0358	JL	1
Benzene	< 0.370	2.00		ug/L	0.370	05/09/19 21:30	B9E0358	JL	1
Bromodichloromethane	< 0.310	2.00		ug/L	0.310	05/09/19 21:30	B9E0358	JL	1
Bromoform	< 0.254	2.00		ug/L	0.254	05/09/19 21:30	B9E0358	JL	1
Bromomethane	< 3.30	20.0		ug/L	3.30	05/09/19 21:30	B9E0358	JL	1
Carbon disulfide	< 0.259	2.00		ug/L	0.259	05/09/19 21:30	B9E0358	JL	1
Carbon tetrachloride	< 0.390	2.00		ug/L	0.390	05/09/19 21:30	B9E0358	JL	1
Chlorobenzene	< 0.358	2.00		ug/L	0.358	05/09/19 21:30	B9E0358	JL	1
Chloroethane	< 0.906	4.00		ug/L	0.906	05/09/19 21:30	B9E0358	JL	1
Chloroform	< 0.397	2.00		ug/L	0.397	05/09/19 21:30	B9E0358	JL	1
Chloromethane	< 2.23	8.00		ug/L	2.23	05/09/19 21:30	B9E0358	JL	1
cis-1,2-Dichloroethene	< 0.421	2.00		ug/L	0.421	05/09/19 21:30	B9E0358	JL	1
cis-1,3-Dichloropropene	< 0.278	2.00		ug/L	0.278	05/09/19 21:30	B9E0358	JL	1
Dibromochloromethane	< 0.492	2.00		ug/L	0.492	05/09/19 21:30	B9E0358	JL	1
Ethylbenzene	< 0.431	2.00		ug/L	0.431	05/09/19 21:30	B9E0358	JL	1
m,p-Xylene	< 0.310	4.00		ug/L	0.310	05/09/19 21:30	B9E0358	JL	1
Methyl tert-butyl ether	< 0.322	2.00		ug/L	0.322	05/09/19 21:30	B9E0358	JL	1
Methylene chloride	< 0.358	2.00		ug/L	0.358	05/09/19 21:30	B9E0358	JL	1
o-Xylene	< 0.349	2.00		ug/L	0.349	05/09/19 21:30	B9E0358	JL	1
Styrene	< 0.534	4.00		ug/L	0.534	05/09/19 21:30	B9E0358	JL	1
Tetrachloroethene	**1.92**	2.00	J	ug/L	0.400	05/09/19 21:30	B9E0358	JL	1
Toluene	< 0.299	2.00		ug/L	0.299	05/09/19 21:30	B9E0358	JL	1
trans-1,2-Dichloroethene	< 0.433	2.00		ug/L	0.433	05/09/19 21:30	B9E0358	JL	1
trans-1,3-Dichloropropene	< 0.314	2.00		ug/L	0.314	05/09/19 21:30	B9E0358	JL	1
Trichloroethene	< 0.439	2.00		ug/L	0.439	05/09/19 21:30	B9E0358	JL	1
Vinyl acetate	< 1.01	8.00		ug/L	1.01	05/09/19 21:30	B9E0358	JL	1
Vinyl chloride	< 0.316	2.00		ug/L	0.316	05/09/19 21:30	B9E0358	JL	1
Xylenes, Total	< 0.660	6.00		ug/L	0.660	05/09/19 21:30	B9E0358	JL	1
1,3-Dichloropropene, Total	< 0.592	4.00		ug/L	0.592	05/09/19 21:30	B9E0358	JL	1

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 19E0242

Client Sample ID: TW1
Report Date: 05/13/2019
Collection Date: 05/01/2019 13:15
Matrix: Water
Lab ID: 19E0242-10 (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: 108%*	*Limits: 80-135*	*05/09/19 21:30*	*B9E0358*	*JL*	*1*
Surrogate: 1,2-Dichloroethane-d4				*Recovery: 124%*	*Limits: 86-132*	*05/09/19 21:30*	*B9E0358*	*JL*	*1*
Surrogate: Fluorobenzene				*Recovery: 101%*	*Limits: 80-116*	*05/09/19 21:30*	*B9E0358*	*JL*	*1*
Surrogate: Toluene-d8				*Recovery: 90%*	*Limits: 73-120*	*05/09/19 21:30*	*B9E0358*	*JL*	*1*
Surrogate: 4-Bromofluorobenzene				*Recovery: 97%*	*Limits: 85-114*	*05/09/19 21:30*	*B9E0358*	*JL*	*1*
Surrogate: 1,2-Dichlorobenzene-d4				*Recovery: 119%*	*Limits: 88-136*	*05/09/19 21:30*	*B9E0358*	*JL*	*1*

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 19E0242

Client Sample ID: TW2
Report Date: 05/13/2019
Collection Date: 05/01/2019 14:15
Matrix: Water
Lab ID: 19E0242-11

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	< 0.349	2.00		ug/L	0.349	05/09/19 22:04	B9E0358	JL	1
1,1,2,2-Tetrachloroethane	< 0.291	2.00		ug/L	0.291	05/09/19 22:04	B9E0358	JL	1
1,1,2-Trichloroethane	< 0.264	2.00		ug/L	0.264	05/09/19 22:04	B9E0358	JL	1
1,1-Dichloroethane	< 1.94	8.00		ug/L	1.94	05/09/19 22:04	B9E0358	JL	1
1,1-Dichloroethene	< 1.02	4.00		ug/L	1.02	05/09/19 22:04	B9E0358	JL	1
1,2,4-Trimethylbenzene	< 0.338	2.00		ug/L	0.338	05/09/19 22:04	B9E0358	JL	1
1,2-Dibromo-3-chloropropane	< 0.488	2.00		ug/L	0.488	05/09/19 22:04	B9E0358	JL	1
1,2-Dibromoethane	< 0.320	2.00		ug/L	0.320	05/09/19 22:04	B9E0358	JL	1
1,2-Dichloroethane	< 0.274	2.00		ug/L	0.274	05/09/19 22:04	B9E0358	JL	1
1,2-Dichloropropane	< 1.11	4.00		ug/L	1.11	05/09/19 22:04	B9E0358	JL	1
1,3,5-Trimethylbenzene	< 0.310	2.00		ug/L	0.310	05/09/19 22:04	B9E0358	JL	1
1-Butanol	< 6.69	90.0		ug/L	6.69	05/09/19 22:04	B9E0358	JL	1
2-Butanone	< 1.38	8.00		ug/L	1.38	05/09/19 22:04	B9E0358	JL	1
2-Hexanone	< 1.04	8.00		ug/L	1.04	05/09/19 22:04	B9E0358	JL	1
4-Methyl-2-pentanone	< 0.660	28.0		ug/L	0.660	05/09/19 22:04	B9E0358	JL	1
Acetone	< 3.75	28.0		ug/L	3.75	05/09/19 22:04	B9E0358	JL	1
Acrolein	< 6.63	20.0		ug/L	6.63	05/09/19 22:04	B9E0358	JL	1
Acrylonitrile	< 0.742	4.00		ug/L	0.742	05/09/19 22:04	B9E0358	JL	1
Benzene	< 0.370	2.00		ug/L	0.370	05/09/19 22:04	B9E0358	JL	1
Bromodichloromethane	< 0.310	2.00		ug/L	0.310	05/09/19 22:04	B9E0358	JL	1
Bromoform	< 0.254	2.00		ug/L	0.254	05/09/19 22:04	B9E0358	JL	1
Bromomethane	< 3.30	20.0		ug/L	3.30	05/09/19 22:04	B9E0358	JL	1
Carbon disulfide	< 0.259	2.00		ug/L	0.259	05/09/19 22:04	B9E0358	JL	1
Carbon tetrachloride	< 0.390	2.00		ug/L	0.390	05/09/19 22:04	B9E0358	JL	1
Chlorobenzene	< 0.358	2.00		ug/L	0.358	05/09/19 22:04	B9E0358	JL	1
Chloroethane	< 0.906	4.00		ug/L	0.906	05/09/19 22:04	B9E0358	JL	1
Chloroform	< 0.397	2.00		ug/L	0.397	05/09/19 22:04	B9E0358	JL	1
Chloromethane	< 2.23	8.00		ug/L	2.23	05/09/19 22:04	B9E0358	JL	1
cis-1,2-Dichloroethene	< 0.421	2.00		ug/L	0.421	05/09/19 22:04	B9E0358	JL	1
cis-1,3-Dichloropropene	< 0.278	2.00		ug/L	0.278	05/09/19 22:04	B9E0358	JL	1
Dibromochloromethane	< 0.492	2.00		ug/L	0.492	05/09/19 22:04	B9E0358	JL	1
Ethylbenzene	< 0.431	2.00		ug/L	0.431	05/09/19 22:04	B9E0358	JL	1
m,p-Xylene	< 0.310	4.00		ug/L	0.310	05/09/19 22:04	B9E0358	JL	1
Methyl tert-butyl ether	< 0.322	2.00		ug/L	0.322	05/09/19 22:04	B9E0358	JL	1
Methylene chloride	< 0.358	2.00		ug/L	0.358	05/09/19 22:04	B9E0358	JL	1
o-Xylene	< 0.349	2.00		ug/L	0.349	05/09/19 22:04	B9E0358	JL	1
Styrene	< 0.534	4.00		ug/L	0.534	05/09/19 22:04	B9E0358	JL	1
Tetrachloroethene	**52.8**	2.00		ug/L	0.400	05/09/19 22:04	B9E0358	JL	1
Toluene	< 0.299	2.00		ug/L	0.299	05/09/19 22:04	B9E0358	JL	1
trans-1,2-Dichloroethene	< 0.433	2.00		ug/L	0.433	05/09/19 22:04	B9E0358	JL	1
trans-1,3-Dichloropropene	< 0.314	2.00		ug/L	0.314	05/09/19 22:04	B9E0358	JL	1
Trichloroethene	< 0.439	2.00		ug/L	0.439	05/09/19 22:04	B9E0358	JL	1
Vinyl acetate	< 1.01	8.00		ug/L	1.01	05/09/19 22:04	B9E0358	JL	1
Vinyl chloride	< 0.316	2.00		ug/L	0.316	05/09/19 22:04	B9E0358	JL	1
Xylenes, Total	< 0.660	6.00		ug/L	0.660	05/09/19 22:04	B9E0358	JL	1
1,3-Dichloropropene, Total	< 0.592	4.00		ug/L	0.592	05/09/19 22:04	B9E0358	JL	1

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 19E0242

Client Sample ID: TW2
Report Date: 05/13/2019
Collection Date: 05/01/2019 14:15
Matrix: Water
Lab ID: 19E0242-11 (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: 119%*	*Limits: 80-135*	*05/09/19 22:04*	*B9E0358*	*JL*	*1*
Surrogate: 1,2-Dichloroethane-d4				*Recovery: 125%*	*Limits: 86-132*	*05/09/19 22:04*	*B9E0358*	*JL*	*1*
Surrogate: Fluorobenzene				*Recovery: 98%*	*Limits: 80-116*	*05/09/19 22:04*	*B9E0358*	*JL*	*1*
Surrogate: Toluene-d8				*Recovery: 88%*	*Limits: 73-120*	*05/09/19 22:04*	*B9E0358*	*JL*	*1*
Surrogate: 4-Bromofluorobenzene				*Recovery: 106%*	*Limits: 85-114*	*05/09/19 22:04*	*B9E0358*	*JL*	*1*
Surrogate: 1,2-Dichlorobenzene-d4				*Recovery: 118%*	*Limits: 88-136*	*05/09/19 22:04*	*B9E0358*	*JL*	*1*

Environmental Monitoring and Technologies, Inc.

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis 19006
Work Order: 19E0242

Client Sample ID: TW3
Report Date: 05/13/2019
Collection Date: 05/01/2019 15:15
Matrix: Water
Lab ID: 19E0242-12

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	05/09/19 22:37	B9E0358	JL	1
1,1,2,2-Tetrachloroethane	< 0.291	2.00		ug/L	0.291	05/09/19 22:37	B9E0358	JL	1
1,1,2-Trichloroethane	< 0.264	2.00		ug/L	0.264	05/09/19 22:37	B9E0358	JL	1
1,1-Dichloroethane	< 1.94	8.00		ug/L	1.94	05/09/19 22:37	B9E0358	JL	1
1,1-Dichloroethene	< 1.02	4.00		ug/L	1.02	05/09/19 22:37	B9E0358	JL	1
1,2,4-Trimethylbenzene	< 0.338	2.00		ug/L	0.338	05/09/19 22:37	B9E0358	JL	1
1,2-Dibromo-3-chloropropane	< 0.488	2.00		ug/L	0.488	05/09/19 22:37	B9E0358	JL	1
1,2-Dibromoethane	< 0.320	2.00		ug/L	0.320	05/09/19 22:37	B9E0358	JL	1
1,2-Dichloroethane	< 0.274	2.00		ug/L	0.274	05/09/19 22:37	B9E0358	JL	1
1,2-Dichloropropane	< 1.11	4.00		ug/L	1.11	05/09/19 22:37	B9E0358	JL	1
1,3,5-Trimethylbenzene	< 0.310	2.00		ug/L	0.310	05/09/19 22:37	B9E0358	JL	1
1-Butanol	< 6.69	90.0		ug/L	6.69	05/09/19 22:37	B9E0358	JL	1
2-Butanone	< 1.38	8.00		ug/L	1.38	05/09/19 22:37	B9E0358	JL	1
2-Hexanone	< 1.04	8.00		ug/L	1.04	05/09/19 22:37	B9E0358	JL	1
4-Methyl-2-pentanone	< 0.660	28.0		ug/L	0.660	05/09/19 22:37	B9E0358	JL	1
Acetone	< 3.75	28.0		ug/L	3.75	05/09/19 22:37	B9E0358	JL	1
Acrolein	< 6.63	20.0		ug/L	6.63	05/09/19 22:37	B9E0358	JL	1
Acrylonitrile	< 0.742	4.00		ug/L	0.742	05/09/19 22:37	B9E0358	JL	1
Benzene	< 0.370	2.00		ug/L	0.370	05/09/19 22:37	B9E0358	JL	1
Bromodichloromethane	< 0.310	2.00		ug/L	0.310	05/09/19 22:37	B9E0358	JL	1
Bromoform	< 0.254	2.00		ug/L	0.254	05/09/19 22:37	B9E0358	JL	1
Bromomethane	< 3.30	20.0		ug/L	3.30	05/09/19 22:37	B9E0358	JL	1
Carbon disulfide	< 0.259	2.00		ug/L	0.259	05/09/19 22:37	B9E0358	JL	1
Carbon tetrachloride	< 0.390	2.00		ug/L	0.390	05/09/19 22:37	B9E0358	JL	1
Chlorobenzene	< 0.358	2.00		ug/L	0.358	05/09/19 22:37	B9E0358	JL	1
Chloroethane	< 0.906	4.00		ug/L	0.906	05/09/19 22:37	B9E0358	JL	1
Chloroform	< 0.397	2.00		ug/L	0.397	05/09/19 22:37	B9E0358	JL	1
Chloromethane	< 2.23	8.00		ug/L	2.23	05/09/19 22:37	B9E0358	JL	1
cis-1,2-Dichloroethene	< 0.421	2.00		ug/L	0.421	05/09/19 22:37	B9E0358	JL	1
cis-1,3-Dichloropropene	< 0.278	2.00		ug/L	0.278	05/09/19 22:37	B9E0358	JL	1
Dibromochloromethane	< 0.492	2.00		ug/L	0.492	05/09/19 22:37	B9E0358	JL	1
Ethylbenzene	< 0.431	2.00		ug/L	0.431	05/09/19 22:37	B9E0358	JL	1
m,p-Xylene	< 0.310	4.00		ug/L	0.310	05/09/19 22:37	B9E0358	JL	1
Methyl tert-butyl ether	< 0.322	2.00		ug/L	0.322	05/09/19 22:37	B9E0358	JL	1
Methylene chloride	< 0.358	2.00		ug/L	0.358	05/09/19 22:37	B9E0358	JL	1
o-Xylene	< 0.349	2.00		ug/L	0.349	05/09/19 22:37	B9E0358	JL	1
Styrene	< 0.534	4.00		ug/L	0.534	05/09/19 22:37	B9E0358	JL	1
Tetrachloroethene	< 0.400	2.00		ug/L	0.400	05/09/19 22:37	B9E0358	JL	1
Toluene	< 0.299	2.00		ug/L	0.299	05/09/19 22:37	B9E0358	JL	1
trans-1,2-Dichloroethene	< 0.433	2.00		ug/L	0.433	05/09/19 22:37	B9E0358	JL	1
trans-1,3-Dichloropropene	< 0.314	2.00		ug/L	0.314	05/09/19 22:37	B9E0358	JL	1
Trichloroethene	< 0.439	2.00		ug/L	0.439	05/09/19 22:37	B9E0358	JL	1
Vinyl acetate	< 1.01	8.00		ug/L	1.01	05/09/19 22:37	B9E0358	JL	1
Vinyl chloride	< 0.316	2.00		ug/L	0.316	05/09/19 22:37	B9E0358	JL	1
Xylenes, Total	< 0.660	6.00		ug/L	0.660	05/09/19 22:37	B9E0358	JL	1
1,3-Dichloropropene, Total	< 0.592	4.00		ug/L	0.592	05/09/19 22:37	B9E0358	JL	1

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Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 19E0242

Client Sample ID: TW3
Report Date: 05/13/2019
Collection Date: 05/01/2019 15:15
Matrix: Water
Lab ID: 19E0242-12 (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: 116%*	*Limits: 80-135*	*05/09/19 22:37*	*B9E0358*	*JL*	*1*
Surrogate: 1,2-Dichloroethane-d4				*Recovery: 119%*	*Limits: 86-132*	*05/09/19 22:37*	*B9E0358*	*JL*	*1*
Surrogate: Fluorobenzene				*Recovery: 103%*	*Limits: 80-116*	*05/09/19 22:37*	*B9E0358*	*JL*	*1*
Surrogate: Toluene-d8				*Recovery: 88%*	*Limits: 73-120*	*05/09/19 22:37*	*B9E0358*	*JL*	*1*
Surrogate: 4-Bromofluorobenzene				*Recovery: 100%*	*Limits: 85-114*	*05/09/19 22:37*	*B9E0358*	*JL*	*1*
Surrogate: 1,2-Dichlorobenzene-d4				*Recovery: 120%*	*Limits: 88-136*	*05/09/19 22:37*	*B9E0358*	*JL*	*1*

Environmental Monitoring and Technologies, Inc.

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Dates Report

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 19E0242

Report Date: 05/13/2019

Sample ID	Client Sample ID	Collection	Matrix	Test Name	Leached Prep Date	Prep Date	Analysis Date	Batch ID	Sequence
19E0242-01	GP-1 2'-3'	05/01/19	Soil	Total Solids / Percent Moisture		05/07/19 15:50	05/07/19 15:52	B9E0235	
				Volatile Organic Compounds (WDNR) by GC/MS		05/06/19 11:59	05/07/19 06:13	B9E0360	S9E0185
19E0242-02	GP-1 5'-6'	05/01/19		Total Solids / Percent Moisture		05/07/19 15:50	05/07/19 15:54	B9E0235	
				Volatile Organic Compounds (WDNR) by GC/MS		05/06/19 11:59	05/07/19 06:47	B9E0360	S9E0185
19E0242-03	GP-1 13'-14'	05/01/19		Total Solids / Percent Moisture		05/07/19 15:50	05/07/19 15:56	B9E0235	
				Volatile Organic Compounds (WDNR) by GC/MS		05/06/19 11:59	05/07/19 07:21	B9E0360	S9E0185
19E0242-04	GP-2 3'-4'	05/01/19		Total Solids / Percent Moisture		05/07/19 15:50	05/07/19 15:58	B9E0235	
				Volatile Organic Compounds (WDNR) by GC/MS		05/06/19 11:59	05/07/19 07:54	B9E0360	S9E0185
19E0242-05	GP-2 7'-8'	05/01/19		Total Solids / Percent Moisture		05/07/19 15:50	05/07/19 16:00	B9E0235	
				Volatile Organic Compounds (WDNR) by GC/MS		05/06/19 11:59	05/07/19 08:28	B9E0360	S9E0185
19E0242-06	GP-2 15'-16'	05/01/19		Total Solids / Percent Moisture		05/07/19 15:50	05/07/19 16:02	B9E0235	
				Volatile Organic Compounds (WDNR) by GC/MS		05/06/19 11:59	05/07/19 09:02	B9E0360	S9E0185
19E0242-07	GP-3 3'-4'	05/01/19		Total Solids / Percent Moisture		05/07/19 15:50	05/07/19 16:04	B9E0235	
				Volatile Organic Compounds (WDNR) by GC/MS		05/06/19 11:59	05/07/19 09:36	B9E0360	S9E0185
19E0242-08	GP-3 6'-7'	05/01/19		Total Solids / Percent Moisture		05/07/19 15:50	05/07/19 16:06	B9E0235	
				Volatile Organic Compounds (WDNR) by GC/MS		05/06/19 11:59	05/07/19 10:09	B9E0360	S9E0185
19E0242-09	GP-3 13'-14'	05/01/19		Total Solids / Percent Moisture		05/07/19 15:50	05/07/19 16:08	B9E0235	
				Volatile Organic Compounds (WDNR) by GC/MS		05/06/19 11:59	05/07/19 10:43	B9E0360	S9E0185
19E0242-10	TW1	05/01/19	Water	Volatile Organic Compounds (WDNR) by GC/MS		05/09/19 11:37	05/09/19 21:30	B9E0358	S9E0183
19E0242-11	TW2	05/01/19		Volatile Organic Compounds (WDNR) by GC/MS		05/09/19 11:37	05/09/19 22:04		
19E0242-12	TW3	05/01/19		Volatile Organic Compounds (WDNR) by GC/MS		05/09/19 11:37	05/09/19 22:37		

Environmental Monitoring and Technologies, Inc.

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Quality Control

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 19E0242

Report Date: 05/13/2019
Matrix: Solid

Wet Chemistry

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B9E0235											
Blank (B9E0235-BLK1)				*Prepared: 05/07/2019 15:50*			*Analyzed: 05/07/2019 16:20*				
Total Solids	< 0.100	0.100	%								1
LCS (B9E0235-BS1)				*Prepared: 05/07/2019 15:50*			*Analyzed: 05/07/2019 16:22*				
Total Solids	0.202	0.100	%	0.2006		101	86.3-105				1
Duplicate (B9E0235-DUP1)		**Source: 19E0242-05**		*Prepared: 05/07/2019 15:50*			*Analyzed: 05/07/2019 16:24*				
Total Solids	84.0	0.100	%		85.1			1.23	5		1
Duplicate (B9E0235-DUP2)		**Source: 19E0265-01**		*Prepared: 05/07/2019 15:50*			*Analyzed: 05/07/2019 16:26*				
Total Solids	85.5	0.100	%		84.1			1.65	5		1

Environmental Monitoring and Technologies, Inc.

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Quality Control

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 19E0242

Report Date: 05/13/2019
Matrix: Solid

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B9E0360											
Blank (B9E0360-BLK1)				*Prepared: 05/06/2019 11:59 Analyzed: 05/07/2019 05:40*							
1,1,1-Trichloroethane	< 200	200	ug/Kg wet								50
1,1,2,2-Tetrachloroethane	< 200	200	ug/Kg wet								50
1,1,2-Trichloroethane	< 200	200	ug/Kg wet								50
1,1-Dichloroethane	< 200	200	ug/Kg wet								50
1,1-Dichloroethene	< 200	200	ug/Kg wet								50
1,2,4-Trimethylbenzene	< 100	100	ug/Kg wet								50
1,2-Dibromo-3-chloropropane	< 200	200	ug/Kg wet								50
1,2-Dibromoethane	< 100	100	ug/Kg wet								50
1,2-Dichloroethane	< 50.0	50.0	ug/Kg wet								50
1,2-Dichloropropane	< 100	100	ug/Kg wet								50
1,3,5-Trimethylbenzene	< 100	100	ug/Kg wet								50
1-Butanol	< 3600	3600	ug/Kg wet								50
2-Butanone	< 700	700	ug/Kg wet								50
2-Hexanone	< 350	350	ug/Kg wet								50
4-Methyl-2-pentanone	< 350	350	ug/Kg wet								50
Acetone	< 1750	1750	ug/Kg wet								50
Acrylonitrile	< 400	400	ug/Kg wet								50
Benzene	< 100	100	ug/Kg wet								50
Bromodichloromethane	< 100	100	ug/Kg wet								50
Bromoform	< 100	100	ug/Kg wet								50
Carbon disulfide	< 100	100	ug/Kg wet								50
Carbon tetrachloride	< 100	100	ug/Kg wet								50
Chlorobenzene	< 100	100	ug/Kg wet								50
Chloroform	< 100	100	ug/Kg wet								50
cis-1,2-Dichloroethene	< 200	200	ug/Kg wet								50
Dibromochloromethane	< 200	200	ug/Kg wet								50
Ethylbenzene	< 100	100	ug/Kg wet								50
m,p-Xylene	< 400	400	ug/Kg wet								50
Methyl tert-butyl ether	< 100	100	ug/Kg wet								50
Methylene chloride	< 200	200	ug/Kg wet								50
o-Xylene	< 100	100	ug/Kg wet								50
Styrene	< 100	100	ug/Kg wet								50
Tetrachloroethene	< 100	100	ug/Kg wet								50
Toluene	< 100	100	ug/Kg wet								50
trans-1,2-Dichloroethene	< 200	200	ug/Kg wet								50
Trichloroethene	< 100	100	ug/Kg wet								50
Vinyl acetate	< 200	200	ug/Kg wet								50
Vinyl chloride	< 100	100	ug/Kg wet								50
Xylenes, Total	< 500	500	ug/Kg wet								50
1,2-Dichloroethene, Total	< 400	400	ug/Kg wet								50
Surrogate: Dibromofluoromethane	*21.6*		*ug/Kg*	*20.00*		*108*	*78-137*				*50*
Surrogate: 1,2-Dichloroethane-d4	*23.8*		*ug/Kg*	*20.00*		*119*	*86-137*				*50*

Environmental Monitoring and Technologies, Inc.

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Quality Control

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 19E0242

Report Date: 05/13/2019
Matrix: Solid

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: B9E0360 *(Continued)*											
Blank (B9E0360-BLK1) (Continued)				*Prepared: 05/06/2019 11:59*			*Analyzed: 05/07/2019 05:40*				
Surrogate: Fluorobenzene	*19.8*		*ug/Kg*	*20.00*		*99*	*80-120*				*50*
Surrogate: Toluene-d8	*18.6*		*ug/Kg*	*20.00*		*93*	*73-112*				*50*
Surrogate: 4-Bromofluorobenzene	*10.2*		*ug/Kg*	*10.00*		*102*	*85-120*				*50*
Surrogate: 1,2-Dichlorobenzene-d4	*21.4*		*ug/Kg*	*20.00*		*107*	*85-128*				*50*
LCS (B9E0360-BS1)				*Prepared: 05/06/2019 11:59*			*Analyzed: 05/07/2019 03:59*				
1,1,1-Trichloroethane	891	200	ug/Kg wet	1000		89	55-145				50
1,1,2,2-Tetrachloroethane	1040	200	ug/Kg wet	1000		104	40-145				50
1,1,2-Trichloroethane	1050	200	ug/Kg wet	1000		105	50-140				50
1,1-Dichloroethane	982	200	ug/Kg wet	1000		98	65-135				50
1,1-Dichloroethene	964	200	ug/Kg wet	1000		96	55-150				50
1,2,4-Trimethylbenzene	862	100	ug/Kg wet	1000		86	55-145				50
1,2-Dibromo-3-chloropropane	1120	200	ug/Kg wet	1000		112	25-150				50
1,2-Dibromoethane	986	100	ug/Kg wet	1000		99	60-135				50
1,2-Dichloroethane	1040	50.0	ug/Kg wet	1000		104	60-145				50
1,2-Dichloropropane	984	100	ug/Kg wet	1000		98	65-125				50
1,3,5-Trimethylbenzene	828	100	ug/Kg wet	1000		83	55-145				50
1-Butanol	10600	3600	ug/Kg wet	10000		106	70-130				50
2-Butanone	4050	700	ug/Kg wet	3500		116	10-180				50
2-Hexanone	3680	350	ug/Kg wet	3500		105	30-160				50
4-Methyl-2-pentanone	3830	350	ug/Kg wet	3500		109	30-165				50
Acetone	5090	1750	ug/Kg wet	3500		145	10-180				50
Acrylonitrile	1030	400	ug/Kg wet	1000		103	70-130				50
Benzene	948	100	ug/Kg wet	1000		95	65-135				50
Bromodichloromethane	992	100	ug/Kg wet	1000		99	60-135				50
Bromoform	1000	100	ug/Kg wet	1000		100	45-150				50
Carbon disulfide	880	100	ug/Kg wet	1000		88	30-180				50
Carbon tetrachloride	866	100	ug/Kg wet	1000		87	55-145				50
Chlorobenzene	880	100	ug/Kg wet	1000		88	65-130				50
Chloroform	970	100	ug/Kg wet	1000		97	65-135				50
cis-1,2-Dichloroethene	926	200	ug/Kg wet	1000		93	55-135				50
Dibromochloromethane	972	200	ug/Kg wet	1000		97	55-140				50
Ethylbenzene	802	100	ug/Kg wet	1000		80	65-135				50
m,p-Xylene	1640	400	ug/Kg wet	2000		82	70-135				50
Methyl tert-butyl ether	1020	100	ug/Kg wet	1000		102	70-130				50
Methylene chloride	1050	200	ug/Kg wet	1000		105	40-155				50
o-Xylene	840	100	ug/Kg wet	1000		84	70-135				50
Styrene	860	100	ug/Kg wet	1000		86	65-135				50
Tetrachloroethene	1160	100	ug/Kg wet	1000		116	55-150				50
Toluene	874	100	ug/Kg wet	1000		87	60-135				50
trans-1,2-Dichloroethene	957	200	ug/Kg wet	1000		96	55-145				50
Trichloroethene	934	100	ug/Kg wet	1000		93	70-130				50

Environmental Monitoring and Technologies, Inc.

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Quality Control

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 19E0242

Report Date: 05/13/2019
Matrix: Solid

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: B9E0360 *(Continued)*											
LCS (B9E0360-BS1) (Continued)				*Prepared: 05/06/2019 11:59*			*Analyzed: 05/07/2019 03:59*				
Vinyl acetate	772	200	ug/Kg wet	1000		77	50-150				50
Vinyl chloride	988	100	ug/Kg wet	1000		99	45-140				50
Xylenes, Total	2480	500	ug/Kg wet	3000		82	70-135				50
1,2-Dichloroethene, Total	1880	400	ug/Kg wet	2000		94	55-135				50
Surrogate: Dibromofluoromethane	*21.8*		*ug/Kg*	*20.00*		*109*	*78-137*				*50*
Surrogate: 1,2-Dichloroethane-d4	*22.5*		*ug/Kg*	*20.00*		*112*	*86-137*				*50*
Surrogate: Fluorobenzene	*20.3*		*ug/Kg*	*20.00*		*101*	*80-120*				*50*
Surrogate: Toluene-d8	*20.0*		*ug/Kg*	*20.00*		*100*	*73-112*				*50*
Surrogate: 4-Bromofluorobenzene	*10.4*		*ug/Kg*	*10.00*		*104*	*85-120*				*50*
Surrogate: 1,2-Dichlorobenzene-d4	*22.5*		*ug/Kg*	*20.00*		*112*	*85-128*				*50*
LCS Dup (B9E0360-BSD1)				*Prepared: 05/06/2019 11:59*			*Analyzed: 05/07/2019 04:32*				
1,1,1-Trichloroethane	886	200	ug/Kg wet	1000		89	55-145	0.6	20		50
1,1,2,2-Tetrachloroethane	1060	200	ug/Kg wet	1000		106	40-145	2	20		50
1,1,2-Trichloroethane	1050	200	ug/Kg wet	1000		105	50-140	0.7	20		50
1,1-Dichloroethane	962	200	ug/Kg wet	1000		96	65-135	2	20		50
1,1-Dichloroethene	954	200	ug/Kg wet	1000		95	55-150	1	20		50
1,2,4-Trimethylbenzene	846	100	ug/Kg wet	1000		85	55-145	2	20		50
1,2-Dibromo-3-chloropropane	1100	200	ug/Kg wet	1000		110	25-150	2	20		50
1,2-Dibromoethane	972	100	ug/Kg wet	1000		97	60-135	1	20		50
1,2-Dichloroethane	1030	50.0	ug/Kg wet	1000		103	60-145	2	20		50
1,2-Dichloropropane	934	100	ug/Kg wet	1000		93	65-125	5	20		50
1,3,5-Trimethylbenzene	850	100	ug/Kg wet	1000		85	55-145	3	20		50
1-Butanol	10700	3600	ug/Kg wet	10000		107	70-130	1	20		50
2-Butanone	3850	700	ug/Kg wet	3500		110	10-180	5	20		50
2-Hexanone	3780	350	ug/Kg wet	3500		108	30-160	3	20		50
4-Methyl-2-pentanone	3530	350	ug/Kg wet	3500		101	30-165	8	20		50
Acetone	5280	1750	ug/Kg wet	3500		151	10-180	4	20		50
Acrylonitrile	972	400	ug/Kg wet	1000		97	70-130	6	20		50
Benzene	932	100	ug/Kg wet	1000		93	65-135	2	20		50
Bromodichloromethane	955	100	ug/Kg wet	1000		96	60-135	4	20		50
Bromoform	1010	100	ug/Kg wet	1000		101	45-150	1	20		50
Carbon disulfide	875	100	ug/Kg wet	1000		88	30-180	0.6	20		50
Carbon tetrachloride	904	100	ug/Kg wet	1000		90	55-145	4	20		50
Chlorobenzene	903	100	ug/Kg wet	1000		90	65-130	3	20		50
Chloroform	950	100	ug/Kg wet	1000		95	65-135	2	20		50
cis-1,2-Dichloroethene	920	200	ug/Kg wet	1000		92	55-135	0.7	20		50
Dibromochloromethane	963	200	ug/Kg wet	1000		96	55-140	0.9	20		50
Ethylbenzene	822	100	ug/Kg wet	1000		82	65-135	2	20		50
m,p-Xylene	1640	400	ug/Kg wet	2000		82	70-135	0.03	20		50
Methyl tert-butyl ether	1000	100	ug/Kg wet	1000		100	70-130	2	20		50
Methylene chloride	1030	200	ug/Kg wet	1000		103	40-155	1	20		50

Environmental Monitoring and Technologies, Inc.

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Quality Control

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 19E0242

Report Date: 05/13/2019
Matrix: Solid

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: B9E0360 *(Continued)*											
LCS Dup (B9E0360-BSD1) (Continued)				*Prepared: 05/06/2019 11:59*			*Analyzed: 05/07/2019 04:32*				
o-Xylene	822	100	ug/Kg wet	1000		82	70-135	2	20		50
Styrene	817	100	ug/Kg wet	1000		82	65-135	5	20		50
Tetrachloroethene	1120	100	ug/Kg wet	1000		112	55-150	4	20		50
Toluene	880	100	ug/Kg wet	1000		88	60-135	0.7	20		50
trans-1,2-Dichloroethene	916	200	ug/Kg wet	1000		92	55-145	4	20		50
Trichloroethene	936	100	ug/Kg wet	1000		94	70-130	0.2	20		50
Vinyl acetate	736	200	ug/Kg wet	1000		74	50-150	5	20		50
Vinyl chloride	958	100	ug/Kg wet	1000		96	45-140	3	20		50
Xylenes, Total	2460	500	ug/Kg wet	3000		82	70-135	0.8	20		50
1,2-Dichloroethene, Total	1840	400	ug/Kg wet	2000		92	55-135	3	20		50
Surrogate: Dibromofluoromethane	*21.4*		*ug/Kg*	*20.00*		*107*	*78-137*				*50*
Surrogate: 1,2-Dichloroethane-d4	*22.9*		*ug/Kg*	*20.00*		*115*	*86-137*				*50*
Surrogate: Fluorobenzene	*20.3*		*ug/Kg*	*20.00*		*102*	*80-120*				*50*
Surrogate: Toluene-d8	*20.3*		*ug/Kg*	*20.00*		*102*	*73-112*				*50*
Surrogate: 4-Bromofluorobenzene	*10.3*		*ug/Kg*	*10.00*		*103*	*85-120*				*50*
Surrogate: 1,2-Dichlorobenzene-d4	*22.7*		*ug/Kg*	*20.00*		*114*	*85-128*				*50*

Environmental Monitoring and Technologies, Inc.

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Quality Control

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 19E0242

Report Date: 05/13/2019
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: B9E0358 - SW5030											
Blank (B9E0358-BLK1)				*Prepared: 05/09/2019 13:37 Analyzed: 05/09/2019 17:01*							
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
19006
Work Order: 19E0242

Report Date: 05/13/2019
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: B9E0358 - SW5030 *(Continued)*											
Blank (B9E0358-BLK1) (Continued)				*Prepared: 05/09/2019 13:37*			*Analyzed: 05/09/2019 17:01*				
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	*23.0*		*ug/L*	*20.00*		*115*	*80-135*				*1*
Surrogate: 1,2-Dichloroethane-d4	*22.9*		*ug/L*	*20.00*		*114*	*86-132*				*1*
Surrogate: Fluorobenzene	*20.4*		*ug/L*	*20.00*		*102*	*80-116*				*1*
Surrogate: Toluene-d8	*18.3*		*ug/L*	*20.00*		*92*	*73-120*				*1*
Surrogate: 4-Bromofluorobenzene	*9.40*		*ug/L*	*10.00*		*94*	*85-114*				*1*
Surrogate: 1,2-Dichlorobenzene-d4	*23.4*		*ug/L*	*20.00*		*117*	*88-136*				*1*
LCS (B9E0358-BS1)				*Prepared: 05/09/2019 13:37*			*Analyzed: 05/09/2019 15:20*				
1,1,1-Trichloroethane	16.7	2.00	ug/L	20.00		83	74-131				1
1,1,2,2-Tetrachloroethane	22.8	2.00	ug/L	20.00		114	71-121				1
1,1,2-Trichloroethane	22.3	2.00	ug/L	20.00		112	80-119				1
1,1-Dichloroethane	17.5	8.00	ug/L	20.00		87	77-125				1
1,1-Dichloroethene	18.1	4.00	ug/L	20.00		91	71-131				1
1,2,4-Trimethylbenzene	18.8	2.00	ug/L	20.00		94	76-124				1
1,2-Dibromo-3-chloropropane	21.9	2.00	ug/L	20.00		110	62-128				1
1,2-Dibromoethane	21.6	2.00	ug/L	20.00		108	77-121				1
1,2-Dichloroethane	18.3	2.00	ug/L	20.00		91	73-128				1
1,2-Dichloropropane	23.4	4.00	ug/L	20.00		117	78-122				1
1,3,5-Trimethylbenzene	18.7	2.00	ug/L	20.00		94	75-124				1
1-Butanol	239	90.0	ug/L	200.0		119	70-130				1
2-Butanone	63.3	8.00	ug/L	70.00		90	56-143				1
2-Hexanone	78.4	8.00	ug/L	70.00		112	57-139				1
4-Methyl-2-pentanone	80.4	28.0	ug/L	70.00		115	67-130				1
Acetone	83.5	28.0	ug/L	70.00		119	39-160				1
Acrolein	53.1	20.0	ug/L	50.00		106	39-155				1
Acrylonitrile	21.2	4.00	ug/L	20.00		106	63-135				1
Benzene	21.8	2.00	ug/L	20.00		109	79-120				1
Bromodichloromethane	23.3	2.00	ug/L	20.00		116	79-125				1
Bromoform	23.6	2.00	ug/L	20.00		118	66-130				1
Bromomethane	17.1	20.0	ug/L	20.00		86	53-141			J	1
Carbon disulfide	18.0	2.00	ug/L	20.00		90	64-133				1
Carbon tetrachloride	22.0	2.00	ug/L	20.00		110	72-136				1
Chlorobenzene	20.1	2.00	ug/L	20.00		100	82-118				1
Chloroethane	20.2	4.00	ug/L	20.00		101	60-138				1
Chloroform	17.9	2.00	ug/L	20.00		89	79-124				1
Chloromethane	16.0	8.00	ug/L	20.00		80	50-139				1
cis-1,2-Dichloroethene	16.8	2.00	ug/L	20.00		84	78-123				1
cis-1,3-Dichloropropene	21.4	2.00	ug/L	20.00		107	75-124				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

Quality Control

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 19E0242

Report Date: 05/13/2019
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: B9E0358 - SW5030 *(Continued)*											
LCS (B9E0358-BS1) (Continued)				*Prepared: 05/09/2019 13:37*			*Analyzed: 05/09/2019 15:20*				
Dibromochloromethane	23.1	2.00	ug/L	20.00		115	74-126				1
Ethylbenzene	17.6	2.00	ug/L	20.00		88	79-121				1
m,p-Xylene	36.7	4.00	ug/L	40.00		92	80-136				1
Methyl tert-butyl ether	17.4	2.00	ug/L	20.00		87	71-124				1
Methylene chloride	18.6	2.00	ug/L	20.00		93	74-124				1
o-Xylene	16.9	2.00	ug/L	20.00		85	78-122				1
Styrene	18.0	4.00	ug/L	20.00		90	78-123				1
Tetrachloroethene	21.3	2.00	ug/L	20.00		106	74-129				1
Toluene	19.6	2.00	ug/L	20.00		98	80-133				1
trans-1,2-Dichloroethene	17.2	2.00	ug/L	20.00		86	75-124				1
trans-1,3-Dichloropropene	22.4	2.00	ug/L	20.00		112	73-127				1
Trichloroethene	21.3	2.00	ug/L	20.00		106	79-123				1
Vinyl acetate	18.5	8.00	ug/L	20.00		92	54-146				1
Vinyl chloride	19.5	2.00	ug/L	20.00		98	58-137				1
Xylenes, Total	53.7	6.00	ug/L	60.00		89	79-121				1
1,3-Dichloropropene, Total	43.8	4.00	ug/L	40.00		110	77-123				1
Surrogate: Dibromofluoromethane	*17.5*		*ug/L*	*20.00*		*87*	*80-135*				*1*
Surrogate: 1,2-Dichloroethane-d4	*19.1*		*ug/L*	*20.00*		*96*	*86-132*				*1*
Surrogate: Fluorobenzene	*20.8*		*ug/L*	*20.00*		*104*	*80-116*				*1*
Surrogate: Toluene-d8	*20.6*		*ug/L*	*20.00*		*103*	*73-120*				*1*
Surrogate: 4-Bromofluorobenzene	*9.77*		*ug/L*	*10.00*		*98*	*85-114*				*1*
Surrogate: 1,2-Dichlorobenzene-d4	*22.3*		*ug/L*	*20.00*		*112*	*88-136*				*1*
LCS Dup (B9E0358-BSD1)				*Prepared: 05/09/2019 13:37*			*Analyzed: 05/09/2019 15:53*				
1,1,1-Trichloroethane	19.3	2.00	ug/L	20.00		96	74-131	15	20		1
1,1,2,2-Tetrachloroethane	21.4	2.00	ug/L	20.00		107	71-121	7	20		1
1,1,2-Trichloroethane	23.4	2.00	ug/L	20.00		117	80-119	5	20		1
1,1-Dichloroethane	19.2	8.00	ug/L	20.00		96	77-125	10	20		1
1,1-Dichloroethene	21.3	4.00	ug/L	20.00		107	71-131	16	20		1
1,2,4-Trimethylbenzene	17.2	2.00	ug/L	20.00		86	76-124	9	20		1
1,2-Dibromo-3-chloropropane	21.6	2.00	ug/L	20.00		108	62-128	1	20		1
1,2-Dibromoethane	20.7	2.00	ug/L	20.00		104	77-121	4	20		1
1,2-Dichloroethane	19.9	2.00	ug/L	20.00		100	73-128	9	20		1
1,2-Dichloropropane	23.2	4.00	ug/L	20.00		116	78-122	0.9	20		1
1,3,5-Trimethylbenzene	17.3	2.00	ug/L	20.00		86	75-124	8	20		1
1-Butanol	260	90.0	ug/L	200.0		130	70-130	9	20		1
2-Butanone	69.6	8.00	ug/L	70.00		99	56-143	10	20		1
2-Hexanone	81.8	8.00	ug/L	70.00		117	57-139	4	20		1
4-Methyl-2-pentanone	81.2	28.0	ug/L	70.00		116	67-130	1	20		1
Acetone	83.9	28.0	ug/L	70.00		120	39-160	0.5	20		1
Acrolein	60.4	20.0	ug/L	50.00		121	39-155	13	20		1
Acrylonitrile	20.6	4.00	ug/L	20.00		103	63-135	3	20		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

Quality Control

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
19006
Work Order: 19E0242

Report Date: 05/13/2019
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: B9E0358 - SW5030 *(Continued)*											
LCS Dup (B9E0358-BSD1) (Continued)				*Prepared: 05/09/2019 13:37*			*Analyzed: 05/09/2019 15:53*				
Benzene	22.5	2.00	ug/L	20.00		112	79-120	3	20		1
Bromodichloromethane	23.8	2.00	ug/L	20.00		119	79-125	2	20		1
Bromoform	24.2	2.00	ug/L	20.00		121	66-130	3	20		1
Bromomethane	17.9	20.0	ug/L	20.00		90	53-141	5	20	J	1
Carbon disulfide	20.1	2.00	ug/L	20.00		100	64-133	11	20		1
Carbon tetrachloride	23.0	2.00	ug/L	20.00		115	72-136	5	20		1
Chlorobenzene	20.5	2.00	ug/L	20.00		103	82-118	2	20		1
Chloroethane	21.9	4.00	ug/L	20.00		110	60-138	8	20		1
Chloroform	19.1	2.00	ug/L	20.00		95	79-124	6	20		1
Chloromethane	15.6	8.00	ug/L	20.00		78	50-139	2	20		1
cis-1,2-Dichloroethene	18.3	2.00	ug/L	20.00		91	78-123	9	20		1
cis-1,3-Dichloropropene	21.9	2.00	ug/L	20.00		109	75-124	2	20		1
Dibromochloromethane	23.5	2.00	ug/L	20.00		118	74-126	2	20		1
Ethylbenzene	18.4	2.00	ug/L	20.00		92	79-121	4	20		1
m,p-Xylene	38.6	4.00	ug/L	40.00		97	80-136	5	20		1
Methyl tert-butyl ether	19.4	2.00	ug/L	20.00		97	71-124	11	20		1
Methylene chloride	20.1	2.00	ug/L	20.00		100	74-124	7	20		1
o-Xylene	16.2	2.00	ug/L	20.00		81	78-122	4	20		1
Styrene	18.7	4.00	ug/L	20.00		94	78-123	4	20		1
Tetrachloroethene	23.7	2.00	ug/L	20.00		119	74-129	11	20		1
Toluene	20.5	2.00	ug/L	20.00		102	80-133	5	20		1
trans-1,2-Dichloroethene	18.7	2.00	ug/L	20.00		94	75-124	8	20		1
trans-1,3-Dichloropropene	22.5	2.00	ug/L	20.00		113	73-127	0.7	20		1
Trichloroethene	22.4	2.00	ug/L	20.00		112	79-123	5	20		1
Vinyl acetate	20.0	8.00	ug/L	20.00		100	54-146	8	20		1
Vinyl chloride	22.4	2.00	ug/L	20.00		112	58-137	14	20		1
Xylenes, Total	54.8	6.00	ug/L	60.00		91	79-121	2	20		1
1,3-Dichloropropene, Total	44.4	4.00	ug/L	40.00		111	77-123	1	20		1
Surrogate: Dibromofluoromethane	*18.6*		*ug/L*	*20.00*		*93*	*80-135*				*1*
Surrogate: 1,2-Dichloroethane-d4	*19.8*		*ug/L*	*20.00*		*99*	*86-132*				*1*
Surrogate: Fluorobenzene	*20.5*		*ug/L*	*20.00*		*102*	*80-116*				*1*
Surrogate: Toluene-d8	*20.4*		*ug/L*	*20.00*		*102*	*73-120*				*1*
Surrogate: 4-Bromofluorobenzene	*8.72*		*ug/L*	*10.00*		*87*	*85-114*				*1*
Surrogate: 1,2-Dichlorobenzene-d4	*20.2*		*ug/L*	*20.00*		*101*	*88-136*				*1*

Environmental Monitoring and Technologies, Inc.

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Certified Analyses included in this Report

Analyte	CAS #	Certifications
SM2540G in Solid		
Total Solids	Moist	WDNR,DoD
SW-846 8260B/WDNR: PUBL-FW-140 in Solid		
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
Acrylonitrile	107-13-1	WDNR
Benzene	71-43-2	WDNR
Bromodichloromethane	75-27-4	WDNR
Bromoform	75-25-2	WDNR
Carbon disulfide	75-15-0	WDNR
Carbon tetrachloride	56-23-5	WDNR
Chlorobenzene	108-90-7	WDNR
Chloroform	67-66-3	WDNR
cis-1,2-Dichloroethene	156-59-2	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
Trichloroethene	79-01-6	WDNR
Vinyl acetate	108-05-4	WDNR
Vinyl chloride	75-01-4	WDNR
Xylenes, Total	1330-20-7	WDNR
1,2-Dichloroethene, Total	540-59-0	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		
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	UST-105	04/30/2020
CPSC	US Consumer Product Safety Commission, Accredited by PJLA Lab No. 1050	L14-56	04/30/2020
DoD	Department of Defense, Accredited by PJLA	L14-55	04/30/2020
ILEPA	State of Illinois, NELAP Accredited Lab No. 100256	003674	07/27/2019
ISO	ISO/IEC 17025, Accredited by PJLA	L14-56	04/30/2020
WDNR	State of Wisconsin Dept of Natural Resources	999888890	08/31/2019

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

Qualifiers and Definitions

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

ENVIRONMENTAL MONITORING TECHNOLOGY

8100 North Austin Avenue
Morton Grove, Illinois 600

19E0242
PM: Jacoby Jackson
United Engineering Consultants, Inc.
UEC Analysis

Chain of Custody Record

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

TURNARAOUND TIME:
☐ RUSH
_____ day turnaround
☒ ROUTINE

Due Date: ____-____-____ COC #: 215200

Company: United Engineering Consultants, Inc.
Address: 16237 W Ryerson Rd
New Berlin, WI 53121

Phone #: (262) 785 - 1447 Fax #: (____) ____-____
P.O. #: _____ Proj.#: ____-____
Client Contact: T. Anderson
Project ID / Location: 19006

Sample Type:
1. Waste Water 4. Sludge 7. Groundwater (filtered)
2. Drinking Water 5. Oil 8. Other
3. Soil 6. Groundwater _____

Container Type:
P - Plastic V - VOC Vial O - Other
G - Glass B - Tedlar Bag _____

Preservative:
1. None 4. NaOH 7. Zn Ace
2. H_2SO_4 5. HCl 8. Other
3. HNO_3 6. MeOH _____

Analyses

Sample I.D.	Sample Type	Container Size	Container Type	Container No.	Sampling By	Sampling Date	Sampling Time	pH	Temp.	Preservation Field	Preservation Lab	VOC	EMT USE ONLY / EMT WORKORDER # 19E0242
GP-1 2'-3'	3	40z/40ml	G	1/1	KH	5/1/19	12:30	—	—	Nitric/6		✓	01AB
GP-1 5'-6'	↓	↓	↓	↓	↓	↓	12:45	—	—	↓		✓	02AB
GP-1 13'-14'	↓	↓	↓	↓	↓	↓	1:00	—	—	↓		✓	03AB
GP-2 3'-4'	↓	↓	↓	↓	↓	↓	1:30	—	—	↓		✓	04AB
GP-2 7'-8'	↓	↓	↓	↓	↓	↓	1:45	—	—	↓		✓	05AB
GP-2 15'-16'	↓	↓	↓	↓	↓	↓	2:00	—	—	↓		✓	06AB
GP-3 3'-4'	↓	↓	↓	↓	↓	↓	2:30	—	—	↓		✓	07AB
GP-3 6'-7'	↓	↓	↓	↓	↓	↓	2:45	—	—	↓		✓	08AB
GP-3 13'-14'	↓	↓	↓	↓	↓	↓	3:00	—	—	↓		✓	09AB

Relinquished By:	Date: 5-3-19 Time: 1240	Received By:	Date: 5-3-19 Time: 1240	EMT USE ONLY Client Code:	☒ SAMPLE RECEIVED ON ICE ☐ TEMPERATURE
Relinquished By:	Date: 5-3-19 Time: 1645	Received By:	Date: - - Time: :	EMT Project I.D.	1.6
Relinquished By:	Date: - - Time: :	Received For Lab By:	Date: 5-3-19 Time: 16:45	Jar Lot No.	EMT SAMPLE RETURN POLICY ON BACK

PECIAL INSTRUCTIONS:

Table of Contents

Sample Receipt Checklist

Work Order: 19E0242

Printed: 5/3/2019 5:15:03PM

Client:	**United Engineering Consultants, Inc.**	**Date Due:**	**05/10/19 17:00 (5 day TAT)**
Project:	**UEC Analysis**		

Received By:	**Stephanie Canchola**	**Date Received:**	**05/03/19 16:45**
Logged In By:	**Stephanie Canchola**	**Date Logged In:**	**05/03/19 17:14**

Samples Received at:	1.6°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	No
VOA Water Vials/Zero Headspace	NA
PM or Client Contacted	No

COMMENTS

SC
5-3-19

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 #: 157953

Company: UEC, INC.
Address: 16237 W. RYERSON ROAD
NEW BERLIN, WI 53151

Phone #: (262) 785 - 1447 Fax #: (262) 206 - 4400
P.O. #: Proj.#: -
Client Contact: T. ANDERSON
Project ID / Location: 19006

Sample Type:
1. Waste Water 4. Sludge 7. Groundwater (filtered)
2. Drinking Water 5. Oil 8. Other
3. Soil 6. Groundwater

Container Type:
P - Plastic V - VOC Vial O - Other
G - Glass B - Tedlar Bag

Preservative:
1. None 4. NaOH 7. Zn Ace
2. H_2SO_4 5. HCl 8. Other
3. HNO_3 6. MeOH

Analyses

EMT USE ONLY

EMT WORKORDER #

Sample I.D.	Sample Type	Container Size	Container Type	Container No.	Sampling By	Sampling Date	Sampling Time	pH	Temp.	Preservation Field	Preservation Lab	VOC
TW-1	6	40mL	G	3	KH	5/1/19	13:15	~	~	5		✓
TW-2	6	↓	↓	↓	KH	↓	14:15	~	~	↓		✓
TW-3	6	↓	↓	↓	KH	↓	15:15	~	~	↓		✓

Relinquished By:	Date: 05-3-19 Time: 12 : 40	Received By:	Date: - - Time: :	EMT USE ONLY Client Code:
Relinquished By:	Date: - - Time: :	Received By:	Date: - - Time: :	EMT Project I.D.
Relinquished By:	Date: - - Time: :	Received For Lab By:	Date: - - Time: :	Jar Lot No.

☐ SAMPLE RECEIVED ON ICE
☐ TEMPERATURE (Must be recorded if sampling was greater than 6 hrs. prior to sample receipt)

EMT SAMPLE RETURN POLICY ON BACK

SPECIAL INSTRUCTIONS:

EMT-FORM-GEN-028

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

May 09, 2019

Mr. Timothy Anderson
United Engineering
16237 W. Ryerson Rd.
New Berlin, WI 53151

RE: Project: 19006
Pace Project No.: 10473345

Dear Mr. Anderson:
Enclosed are the analytical results for sample(s) received by the laboratory on May 03, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kirsten Hogberg
kirsten.hogberg@pacelabs.com
(612)607-1700
Project Manager

Enclosures

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 19006
Pace Project No.: 10473345

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485
A2LA Certification #: 2926.01
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
CNMI Saipan Certification #: MP0003
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
Guam EPA Certification #: MN00064
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: 03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Massachusetts Certification #: M-MN064
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Minnesota Dept of Ag Certifcation #: via MN 027-053-137
Minnesota Petrofund Certification #: 1240
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Vermont Certification #: VT-027053137
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 19006
Pace Project No.: 10473345

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10473345001	**VP-1**	Air	05/01/19 11:49	05/03/19 13:00
10473345002	**VP-2**	Air	05/01/19 11:55	05/03/19 13:00

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: 19006
Pace Project No.: 10473345

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10473345001	**VP-1**	TO-15	AFV	22	PASI-M
10473345002	**VP-2**	TO-15	AFV	22	PASI-M

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 19006
Pace Project No.: 10473345

Sample: VP-1 **Lab ID: 10473345001** Collected: 05/01/19 11:49 Received: 05/03/19 13:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Carbon tetrachloride	**<0.79**	ug/m3	2.3	0.79	1.83		05/06/19 19:47	56-23-5	
Chloroethane	**<0.48**	ug/m3	0.98	0.48	1.83		05/06/19 19:47	75-00-3	
Chloroform	**6.8**	ug/m3	0.91	0.36	1.83		05/06/19 19:47	67-66-3	
Chloromethane	**<0.29**	ug/m3	0.77	0.29	1.83		05/06/19 19:47	74-87-3	
1,2-Dichlorobenzene	**<0.91**	ug/m3	2.2	0.91	1.83		05/06/19 19:47	95-50-1	
1,4-Dichlorobenzene	**<1.8**	ug/m3	5.6	1.8	1.83		05/06/19 19:47	106-46-7	
Dichlorodifluoromethane	**2.3**	ug/m3	1.8	0.54	1.83		05/06/19 19:47	75-71-8	
1,1-Dichloroethane	**<0.41**	ug/m3	1.5	0.41	1.83		05/06/19 19:47	75-34-3	
1,2-Dichloroethane	**<0.27**	ug/m3	0.75	0.27	1.83		05/06/19 19:47	107-06-2	
1,1-Dichloroethene	**<0.50**	ug/m3	1.5	0.50	1.83		05/06/19 19:47	75-35-4	
cis-1,2-Dichloroethene	**<0.40**	ug/m3	1.5	0.40	1.83		05/06/19 19:47	156-59-2	
trans-1,2-Dichloroethene	**<0.52**	ug/m3	1.5	0.52	1.83		05/06/19 19:47	156-60-5	
Hexachloro-1,3-butadiene	**<3.6**	ug/m3	9.9	3.6	1.83		05/06/19 19:47	87-68-3	
Methylene Chloride	**19.4**	ug/m3	6.5	1.7	1.83		05/06/19 19:47	75-09-2	
1,1,2,2-Tetrachloroethane	**<0.53**	ug/m3	1.3	0.53	1.83		05/06/19 19:47	79-34-5	
Tetrachloroethene	**18500**	ug/m3	605	276	878.4		05/07/19 13:12	127-18-4	
1,2,4-Trichlorobenzene	**<6.8**	ug/m3	13.8	6.8	1.83		05/06/19 19:47	120-82-1	
1,1,1-Trichloroethane	**4.1**	ug/m3	2.0	0.57	1.83		05/06/19 19:47	71-55-6	
1,1,2-Trichloroethane	**<0.46**	ug/m3	1.0	0.46	1.83		05/06/19 19:47	79-00-5	
Trichloroethene	**18.2**	ug/m3	1.0	0.47	1.83		05/06/19 19:47	79-01-6	
Trichlorofluoromethane	**<0.67**	ug/m3	2.1	0.67	1.83		05/06/19 19:47	75-69-4	
Vinyl chloride	**<0.23**	ug/m3	0.48	0.23	1.83		05/06/19 19:47	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 19006
Pace Project No.: 10473345

Sample: VP-2 **Lab ID: 10473345002** Collected: 05/01/19 11:55 Received: 05/03/19 13:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Carbon tetrachloride	**<0.79**	ug/m3	2.3	0.79	1.83		05/06/19 20:18	56-23-5	
Chloroethane	**<0.48**	ug/m3	0.98	0.48	1.83		05/06/19 20:18	75-00-3	
Chloroform	**<0.36**	ug/m3	0.91	0.36	1.83		05/06/19 20:18	67-66-3	
Chloromethane	**<0.29**	ug/m3	0.77	0.29	1.83		05/06/19 20:18	74-87-3	
1,2-Dichlorobenzene	**<0.91**	ug/m3	2.2	0.91	1.83		05/06/19 20:18	95-50-1	
1,4-Dichlorobenzene	**<1.8**	ug/m3	5.6	1.8	1.83		05/06/19 20:18	106-46-7	
Dichlorodifluoromethane	**2.3**	ug/m3	1.8	0.54	1.83		05/06/19 20:18	75-71-8	
1,1-Dichloroethane	**<0.41**	ug/m3	1.5	0.41	1.83		05/06/19 20:18	75-34-3	
1,2-Dichloroethane	**<0.27**	ug/m3	0.75	0.27	1.83		05/06/19 20:18	107-06-2	
1,1-Dichloroethene	**<0.50**	ug/m3	1.5	0.50	1.83		05/06/19 20:18	75-35-4	
cis-1,2-Dichloroethene	**<0.40**	ug/m3	1.5	0.40	1.83		05/06/19 20:18	156-59-2	
trans-1,2-Dichloroethene	**<0.52**	ug/m3	1.5	0.52	1.83		05/06/19 20:18	156-60-5	
Hexachloro-1,3-butadiene	**<3.6**	ug/m3	9.9	3.6	1.83		05/06/19 20:18	87-68-3	
Methylene Chloride	**6.3J**	ug/m3	6.5	1.7	1.83		05/06/19 20:18	75-09-2	
1,1,2,2-Tetrachloroethane	**<0.53**	ug/m3	1.3	0.53	1.83		05/06/19 20:18	79-34-5	
Tetrachloroethene	**1510**	ug/m3	37.8	17.2	54.9		05/07/19 13:41	127-18-4	
1,2,4-Trichlorobenzene	**<6.8**	ug/m3	13.8	6.8	1.83		05/06/19 20:18	120-82-1	
1,1,1-Trichloroethane	**11.9**	ug/m3	2.0	0.57	1.83		05/06/19 20:18	71-55-6	
1,1,2-Trichloroethane	**<0.46**	ug/m3	1.0	0.46	1.83		05/06/19 20:18	79-00-5	
Trichloroethene	**2.7**	ug/m3	1.0	0.47	1.83		05/06/19 20:18	79-01-6	
Trichlorofluoromethane	**<0.67**	ug/m3	2.1	0.67	1.83		05/06/19 20:18	75-69-4	
Vinyl chloride	**<0.23**	ug/m3	0.48	0.23	1.83		05/06/19 20:18	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 19006
Pace Project No.: 10473345

QC Batch: 604034 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10473345001, 10473345002

METHOD BLANK: 3265808 Matrix: Air
Associated Lab Samples: 10473345001, 10473345002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.31	1.1	05/06/19 15:04	
1,1,2,2-Tetrachloroethane	ug/m3	<0.29	0.70	05/06/19 15:04	
1,1,2-Trichloroethane	ug/m3	<0.25	0.56	05/06/19 15:04	
1,1-Dichloroethane	ug/m3	<0.22	0.82	05/06/19 15:04	
1,1-Dichloroethene	ug/m3	<0.27	0.81	05/06/19 15:04	
1,2,4-Trichlorobenzene	ug/m3	<3.7	7.5	05/06/19 15:04	
1,2-Dichlorobenzene	ug/m3	<0.50	1.2	05/06/19 15:04	
1,2-Dichloroethane	ug/m3	<0.15	0.41	05/06/19 15:04	
1,4-Dichlorobenzene	ug/m3	<1.0	3.1	05/06/19 15:04	
Carbon tetrachloride	ug/m3	<0.43	1.3	05/06/19 15:04	
Chloroethane	ug/m3	<0.26	0.54	05/06/19 15:04	
Chloroform	ug/m3	<0.20	0.50	05/06/19 15:04	
Chloromethane	ug/m3	<0.16	0.42	05/06/19 15:04	
cis-1,2-Dichloroethene	ug/m3	<0.22	0.81	05/06/19 15:04	
Dichlorodifluoromethane	ug/m3	<0.29	1.0	05/06/19 15:04	
Hexachloro-1,3-butadiene	ug/m3	<2.0	5.4	05/06/19 15:04	
Methylene Chloride	ug/m3	<0.94	3.5	05/06/19 15:04	
Tetrachloroethene	ug/m3	<0.31	0.69	05/06/19 15:04	
trans-1,2-Dichloroethene	ug/m3	<0.28	0.81	05/06/19 15:04	
Trichloroethene	ug/m3	<0.26	0.55	05/06/19 15:04	
Trichlorofluoromethane	ug/m3	<0.37	1.1	05/06/19 15:04	
Vinyl chloride	ug/m3	<0.13	0.26	05/06/19 15:04	

LABORATORY CONTROL SAMPLE: 3265809

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	57.9	104	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	80.9	116	70-132	
1,1,2-Trichloroethane	ug/m3	55.5	62.4	112	70-130	
1,1-Dichloroethane	ug/m3	41.1	42.5	103	70-130	
1,1-Dichloroethene	ug/m3	40.3	44.0	109	70-130	
1,2,4-Trichlorobenzene	ug/m3	75.4	73.4	97	56-130	
1,2-Dichlorobenzene	ug/m3	61.1	73.2	120	70-132	
1,2-Dichloroethane	ug/m3	41.1	42.6	104	70-130	
1,4-Dichlorobenzene	ug/m3	61.1	74.6	122	70-134	
Carbon tetrachloride	ug/m3	64	65.8	103	66-131	
Chloroethane	ug/m3	26.8	31.0	115	70-130	
Chloroform	ug/m3	49.6	50.9	103	70-130	
Chloromethane	ug/m3	21	21.4	102	66-130	
cis-1,2-Dichloroethene	ug/m3	40.3	41.3	102	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 19006
Pace Project No.: 10473345

LABORATORY CONTROL SAMPLE: 3265809

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dichlorodifluoromethane	ug/m3	50.3	49.9	99	70-130	
Hexachloro-1,3-butadiene	ug/m3	108	119	110	66-137	
Methylene Chloride	ug/m3	177	167	94	65-130	
Tetrachloroethene	ug/m3	68.9	73.2	106	70-130	
trans-1,2-Dichloroethene	ug/m3	40.3	41.8	104	70-130	
Trichloroethene	ug/m3	54.6	56.1	103	70-130	
Trichlorofluoromethane	ug/m3	57.1	59.7	104	65-130	
Vinyl chloride	ug/m3	26	26.5	102	70-130	

SAMPLE DUPLICATE: 3266482

Parameter	Units	20102874001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	<0.40		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	<0.38		25	
1,1,2-Trichloroethane	ug/m3	ND	<0.32		25	
1,1-Dichloroethane	ug/m3	ND	<0.29		25	
1,1-Dichloroethene	ug/m3	ND	<0.36		25	
1,2,4-Trichlorobenzene	ug/m3	ND	<4.8		25	
1,2-Dichlorobenzene	ug/m3	ND	<0.65		25	
1,2-Dichloroethane	ug/m3	ND	<0.20		25	
1,4-Dichlorobenzene	ug/m3	ND	<1.3		25	
Carbon tetrachloride	ug/m3	ND	<0.56		25	
Chloroethane	ug/m3	ND	<0.34		25	
Chloroform	ug/m3	ND	<0.25		25	
Chloromethane	ug/m3	0.99	0.88	12	25	
cis-1,2-Dichloroethene	ug/m3	ND	<0.28		25	
Dichlorodifluoromethane	ug/m3	2.1	2.1	1	25	
Hexachloro-1,3-butadiene	ug/m3	ND	<2.6		25	
Methylene Chloride	ug/m3	ND	2.3J		25	
Tetrachloroethene	ug/m3	ND	<0.41		25	
trans-1,2-Dichloroethene	ug/m3	ND	<0.37		25	
Trichloroethene	ug/m3	ND	<0.33		25	
Trichlorofluoromethane	ug/m3	ND	<0.48		25	
Vinyl chloride	ug/m3	ND	<0.16		25	

SAMPLE DUPLICATE: 3266483

Parameter	Units	20102874002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	<0.40		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	<0.38		25	
1,1,2-Trichloroethane	ug/m3	ND	<0.32		25	
1,1-Dichloroethane	ug/m3	ND	<0.29		25	
1,1-Dichloroethene	ug/m3	ND	<0.36		25	
1,2,4-Trichlorobenzene	ug/m3	ND	<4.8		25	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 19006
Pace Project No.: 10473345

SAMPLE DUPLICATE: 3266483

Parameter	Units	20102874002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichlorobenzene	ug/m3	ND	<0.65		25	
1,2-Dichloroethane	ug/m3	ND	<0.20		25	
1,4-Dichlorobenzene	ug/m3	ND	<1.3		25	
Carbon tetrachloride	ug/m3	ND	<0.56		25	
Chloroethane	ug/m3	ND	<0.34		25	
Chloroform	ug/m3	ND	<0.25		25	
Chloromethane	ug/m3	0.91	0.85	7	25	
cis-1,2-Dichloroethene	ug/m3	ND	<0.28		25	
Dichlorodifluoromethane	ug/m3	2.1	2.0	2	25	
Hexachloro-1,3-butadiene	ug/m3	ND	<2.6		25	
Methylene Chloride	ug/m3	ND	2.4J		25	
Tetrachloroethene	ug/m3	ND	<0.41		25	
trans-1,2-Dichloroethene	ug/m3	ND	<0.37		25	
Trichloroethene	ug/m3	ND	<0.33		25	
Trichlorofluoromethane	ug/m3	ND	<0.48		25	
Vinyl chloride	ug/m3	ND	<0.16		25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: 19006
Pace Project No.: 10473345

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 19006
Pace Project No.: 10473345

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10473345001	**VP-1**	TO-15	604034		
10473345002	**VP-2**	TO-15	604034		

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AIR: CHAIN-OF-CUSTODY

The Chain-of-Custody is a LEGAL DOCUMENT. All relev

WO# : 10473345

10473345

35815 | Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: United Engineering Consultants, Inc	Report To: Tim Anderson	Attention: Same
Address: 16237 W. Ryerson Rd New Berlin, WI 53151	Copy To:	Company Name:
		Address:
Email To: tgwec@sbcglobal.net	Purchase Order No.:	Pace Quote Reference:
Phone: (262) 785-1447 Fax: (262) 706-4400	Project Name: 19006	Pace Project Manager/Sales Rep.
Requested Due Date/TAT:	Project Number:	Pace Profile #: 22083

Program: ☐ UST ☐ Superfund ☐ Emissions ☐ Clean Air Act ☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☒ Other

Location of Sampling by State: WI

Reporting Units: ug/m³ X mg/m³ PPBV PPMV Other

Report Level II. III. IV. Other

'Section D Required Client Information

AIR SAMPLE ID

Sample IDs MUST BE UNIQUE

Valid Media Codes

MEDIA	CODE
Tedlar Bag	TB
1 Liter Summa Can	1LC
6 Liter Summa Can	6LC
Low Volume Puff	LVP
High Volume Puff	HVP
Other	PM10

ITEM #	AIR SAMPLE ID	MEDIA CODE	PID Reading (Client only)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)	Summa Can Number	Flow Control Number	Method: PM10	3C - Fixed Gas (%)	TO-3 BTEX	TO-3M (Methane)	TO-14	TO-15 Full List VOCs	TO-15 Short List BTEX	TO-15 Short List Chlorinated	TO-15 Short List (other)	Pace Lab ID
1	VP-1	GLC	/	5/1/19	10:19	5/1	11:49	30	10	53							X				001
2	VP-2	GLC	/	5/1/19	10:25	5/1	11:55	28	8	2658							X				002
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Comments :

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
UEC Inc	5/1/19	16:16	Pace	05/03/19	1300

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
-	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Kyle Hennig

SIGNATURE of SAMPLER: Kyle Hennig

DATE Signed (MM / DD / YY): 5/1/19

ORIGINAL

Pace Analytical	Document Name: Air Sample Condition Upon Receipt	Document Revised: 31Jan2019 Page 1 of 1
	Document No.: F-MN-A-106-rev.18	Issuing Authority: Pace Minnesota Quality Office

Air Sample Condition Upon Receipt

Client Name: United Engineering

Project #: WO#: 10473345

PM: KNH Due Date: 05/10/19

CLIENT: United Eng

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☐ Commercial **See Exception** ☐

Tracking Number: 454599117568

Custody Seal on Cooler/Box Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☑ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ Foam ☐ None ☐ Tin Can ☐ Other: _____ **Temp Blank rec:** ☐ Yes ☑ No

Temp. (TO17 and TO13 samples only) (°C): — **Corrected Temp (°C):** —

Thermometer Used: ☐ G87A9170600254 ☐ G87A9155100842

Temp should be above freezing to 6°C **Correction Factor:** —

Date & Initials of Person Examining Contents: 05/03/19 CT

Type of Ice Received ☐ Blue ☐ Wet ☑ None

		Comments:
Chain of Custody Present?	☑ Yes ☐ No	1.
Chain of Custody Filled Out?	☑ Yes ☐ No	2.
Chain of Custody Relinquished?	☑ Yes ☐ No	3.
Sampler Name and/or Signature on COC?	☑ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time?	☑ Yes ☐ No	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes ☑ No	6.
Rush Turn Around Time Requested?	☐ Yes ☑ No	7.
Sufficient Volume?	☑ Yes ☐ No	8.
Correct Containers Used? -Pace Containers Used?	☑ Yes ☐ No ☑ Yes ☐ No	9.
Containers Intact?	☑ Yes ☐ No	10.
Media: Air Can Airbag Filter TDT Passive		11. Individually Certified Cans Y (N) (list which samples)
Is sufficient information available to reconcile samples to the COC?	☑ Yes ☐ No	12.
Do cans need to be pressurized (3C and ASTM 1946 DO NOT PRESSURIZE)?	☐ Yes ☐ No	13.

Samples Received: Pressure Gauge # ☐ 10AIR34 ☑ 10AIR35

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
1	0053	1828	-8.0	+5.0					
2	2658	0797	"	"					

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: Kristen Hoffberg **Date:** 5/3/2019

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)