

**Notice:** This form may be used to comply with the requirements of s. NR 716.14 (2), Wis. Adm. Code; however, use of this form is not required. An alternate format may be used. The rule requires that notification be provided to 1) property owners when someone else is conducting the sampling, 2) to occupants of property belonging to the responsible person, and 3) to owners and occupants of property that does not belong to the responsible person but has been affected by contamination arising on his or her property. Notification is required within 10 business days of receiving the sample results. Personal information collected will be used for program administration and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.].

**NOTE:** Under s. NR 716.14, Wis. Adm. Code, the responsible party must also submit sample results and other required information to the DNR. We recommend that copies of the sample results notifications be included with that submittal, along with all attachments. Using the same format used for data presentation for a closure request may be helpful to all parties. See s. NR 716.14, Wis. Adm. Code for the full list of information to be submitted to the DNR.

**Notification of Property Owners and Occupants:**

This notification form has been provided to you in order to provide the results of environmental sampling that has been conducted on property that you own or occupy. Samples were collected in accordance with the methods identified in the site investigation work plan, in accordance with s. NR. 716.09 and 716.13, Wis. Adm. Code. This sampling was conducted as a result of contamination originating at the following location.

**Site Information**

|                                  |           |                    |          |
|----------------------------------|-----------|--------------------|----------|
| Site Name                        |           | DNR ID # (BRRTS #) |          |
| ONE HOUR MARTINIZING - MILWAUKEE |           | 02-41-584106       |          |
| Address                          | City      | State              | ZIP Code |
| 233/235 W. LAYTON AVENUE         | MILWAUKEE | WI                 | 53207    |

**Responsible Party**

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

Property Owner

GOTTFRIED REAL ESTATE LLC

|           |         |       |          |
|-----------|---------|-------|----------|
| Address   | City    | State | ZIP Code |
| PO BOX 26 | MUSKEGO | WI    | 53212    |

|                 |                                  |
|-----------------|----------------------------------|
| Contact Person  | Phone Number (include area code) |
| BRIAN GOTTFRIED | (414) 416-5665                   |

Person or company that collected samples

UNITED ENGINEERING CONSULTANTS, INC.

**Sample Results (Results Attached)**

Reason for Sampling:  Routine  Other (define) \_\_\_\_\_

The contaminants that have been identified at this time on property that you own or occupy include:

| Contaminant        | In Soil?                         |                       | In Groundwater?       |                       |
|--------------------|----------------------------------|-----------------------|-----------------------|-----------------------|
|                    | Yes                              | No                    | Yes                   | No                    |
| Gasoline           | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Diesel or Fuel Oil | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Solvents           | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Heavy Metals       | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Pesticides         | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Other: _____       | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

|  |
|--|
| This sampling event included sampling of a drinking water well.<br><input type="radio"/> Yes <input checked="" type="radio"/> No |
| If yes, the sampled drinking water well had detectable contaminants.<br><input type="radio"/> Yes <input type="radio"/> No       |

**Contaminants in Vapor**

|                   | Yes                   | No                    |
|-------------------|-----------------------|-----------------------|
| Indoor Air        | <input type="radio"/> | <input type="radio"/> |
| Sub-slab          | <input type="radio"/> | <input type="radio"/> |
| Exterior Soil Gas | <input type="radio"/> | <input type="radio"/> |

# Site Investigation Sample Results Notification

Form 4400-249 (R 03/14)

Page 2 of 2

## Attached are:

- A map that shows the locations from which samples were collected. (The map needs to meet the requirements of s. NR 716.15 (4), Wis. Adm. Code.)
- A data table with specific contaminant levels at each sample location and whether or not the sample results exceed state standards.
- A copy of the laboratory results.

**You are not identified as the person that is responsible for this contamination.** However, your cooperation is important. Property owners may become legally responsible for contamination if they do not allow access to the person that is responsible so that person may complete the environmental investigation and clean up activities.

**Option for written exemption:** You have the option of requesting a written liability exemption from the DNR for contamination that originated on another property, or on property that you lease. To do this, you must present an adequate environmental assessment of your property and pay a \$700 fee for review of this information. If you are interested in this option, please see DNR publication # RR 589, "When Contamination Crosses a Property Line - Rights and Responsibilities of Property Owners", available at: [dnr.wi.gov/files/PDF/pubs/rr/rr589.pdf](http://dnr.wi.gov/files/PDF/pubs/rr/rr589.pdf).

## Contact Information

Please address questions regarding this notification, or requests for additional information to the contact person listed above, or to one of the following contacts:

### Environmental Consultant

|                                |                     |                          |            |          |
|--------------------------------|---------------------|--------------------------|------------|----------|
| Company Name                   |                     | Contact Person Last Name | First Name |          |
| UNITED ENGINEERING CONSULTANTS |                     | HENNING                  | KYLE       |          |
| Address                        |                     | City                     | State      | ZIP Code |
| 2938 S. 166TH STREET           |                     | NEW BERLIN               | WI         | 53151    |
| Phone # (inc. area code)       | Email               |                          |            |          |
| (262) 785-1447                 | KHUEC@SBCGLOBAL.NET |                          |            |          |

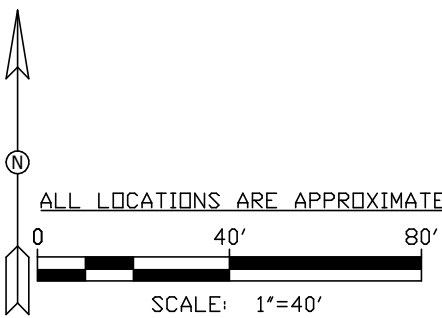
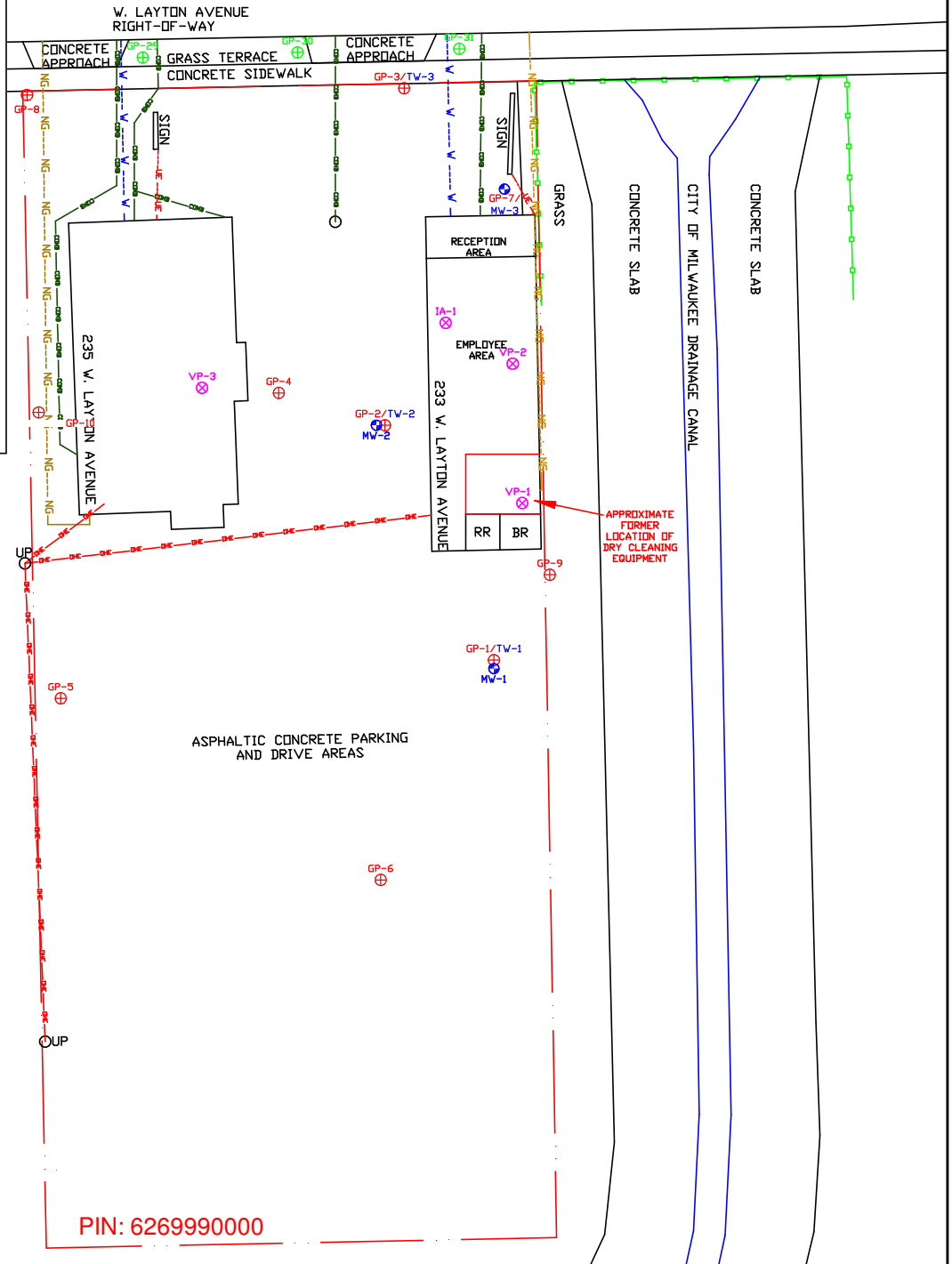
Select which agency:  Natural Resources       Agriculture, Trade and Consumer Protection

### State of Wisconsin Department of Natural Resources

|  |            |                          |       |          |
|--|------------|--------------------------|-------|----------|
| Contact Person Last Name                 | First Name | Phone # (inc. area code) |       |          |
| ALESSI                                   | TIMOTHY    | (414) 263-8563           |       |          |
| Address                                  |            | City                     | State | ZIP Code |
| 2300 N. DR. MARTIN LUTHER KING JR. DRIVE |            | MILWAUKEE                | WI    | 53212    |
| Email                                    |            |                          |       |          |
| TIMOTHY.ALESSI@WISCONSIN.GOV             |            |                          |       |          |

# Legend

- Property Line
- Combined Sewer Line
- NG- Natural Gas Line
- W- Water Line
- UE- Underground Electric Line
- OE- Overhead Electric Line
- ⊕ GP29 Soil Boring Location (DBG)
- ⊕ GP-1 Soil Boring Location (UEC)
- ⊕ MW-1 Monitoring Well Location
- ⊗ VP-1 Sub-Slab Vapor Point Location
- ⊗ IA-1 Indoor Air Vapor Point Location



**Figure 3: Soil Boring and Monitoring Well Location Map**

**United Engineering Consultants, Inc.**

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

#19006

DRAWN BY: NJA

DATE: 03/03/2020

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

Table 2  
VOC Analytical Results - Soil  
One Hour Martinizing - Milwaukee / Wisconsin Auto Title Loans  
233/235 W. Layton Avenue  
Milwaukee, Wisconsin 53207

| Sample Date  | February 19, 2020 |             |             |         |         |         | RCL       |       |        |
|--|-------------------|-------------|-------------|---------|---------|---------|-----------|-------|--------|
|  | GP-9              | GP-9        | GP-9        | GP-10   | GP-10   | GP-10   | GWP       | NIDC  | IDC    |
| Sample Identification  | 2'-3'             | 5'-6'       | 14'-15'     | 2'-3'   | 6'-7'   | 10'-11' |           |       |        |
| Sample Depth   | 2'-3'             | 5'-6'       | 14'-15'     | 2'-3'   | 6'-7'   | 10'-11' |           |       |        |
| Soil Type  | ML                | ML          | SM          | ML      | ML      | SP      |           |       |        |
| <b>Volatile Organic Compounds (VOC) (Method: SW-846 8260B / PUBL-FW-140)</b> |                   |             |             |         |         |         |           |       |        |
| Acetone  | <0.207            | <0.196      | 0.260E,Q    | <0.219  | <0.242  | <0.176  | 3.6766    | 63400 | 100000 |
| Acrylonitrile  | <0.0594           | <0.0563     | <0.0504     | <0.0630 | <0.0696 | <0.0505 | -         | 0.388 | 1.5    |
| Benzene  | <0.025            | <0.025      | <0.025      | <0.025  | <0.025  | <0.025  | 0.0051    | 1.6   | 7.07   |
| Bromodichloromethane   | <0.025            | <0.025      | <0.025      | <0.025  | <0.025  | <0.025  | 0.0003    | 0.39  | 1.96   |
| Bromoform  | <0.025            | <0.025      | <0.025      | <0.025  | <0.025  | <0.025  | 0.0023    | 23.6  | 115    |
| 1-Butanol  | <0.485            | <0.459      | <0.411      | <0.514  | <0.568  | <0.412  | -         | 14700 | 14700  |
| 2-Butanone   | <0.120            | <0.114      | 0.268       | <0.128  | <0.141  | <0.0707 | -         | 28400 | 28400  |
| Carbon disulfide   | <0.025            | <0.025      | <0.025      | <0.025  | <0.025  | <0.025  | 0.5919    | 738   | 738    |
| Carbon tetrachloride   | <0.025            | <0.025      | <0.025      | <0.025  | <0.025  | <0.025  | 0.0039    | 0.854 | 4.25   |
| Chlorobenzene  | <0.025            | <0.025      | <0.025      | <0.025  | <0.025  | <0.025  | -         | 392   | 761    |
| Chloroform   | <0.0263           | <0.025      | <0.025      | <0.0279 | <0.0308 | <0.025  | 0.0033    | 0.423 | 2.13   |
| 1,2-Dibromo-3-chloropropane  | <0.0463           | <0.0439     | <0.0393     | <0.0491 | <0.0543 | <0.0394 | 0.0002    | 0.008 | 0.092  |
| 1,2-Dibromoethane  | <0.025            | <0.025      | <0.025      | <0.025  | <0.025  | <0.025  | 0.0000282 | 0.05  | 0.221  |
| Dibromochloromethane   | <0.025            | <0.025      | <0.025      | <0.025  | <0.025  | <0.025  | 0.032     | 8.28  | 38.9   |
| 1,1-Dichloroethane   | <0.0423           | <0.0401     | <0.359      | <0.0449 | <0.496  | <0.0360 | 0.4834    | 4.72  | 23.7   |
| 1,2-Dichloroethane   | <0.025            | <0.025      | <0.025      | <0.025  | <0.025  | <0.025  | 0.0028    | 0.608 | 2.87   |
| 1,1-Dichloroethene   | <0.0331           | <0.0314     | <0.0281     | <0.0351 | <0.388  | <0.0281 | 0.005     | 342   | 1190   |
| cis-1,2-Dichloroethene   | <0.0290           | <0.0275     | <0.025      | <0.025  | <0.025  | <0.025  | 0.0412    | 156   | 2040   |
| trans-1,2-Dichloroethene   | <0.0399           | <0.0378     | <0.0339     | <0.0423 | <0.0468 | <0.0340 | 0.0626    | 1560  | 1850   |
| total-1,2-Dichloroethene   | <0.0689           | <0.0653     | <0.0585     | <0.0731 | <0.0807 | <0.0586 | -         | -     | -      |
| 1,2-Dichloropropane  | <0.025            | <0.025      | <0.025      | <0.025  | <0.025  | <0.025  | 0.0033    | 3.4   | 15     |
| Ethylbenzene   | <0.025            | <0.025      | <0.025      | <0.025  | <0.025  | <0.025  | 1.57      | 8.02  | 35.4   |
| 2-Hexanone   | <0.0832           | <0.0788     | <0.0706     | <0.0882 | <0.0974 | <0.0707 | -         | 237   | 1760   |
| 4-Methyl-2-pentanone   | <0.0560           | <0.0531     | <0.0476     | <0.0594 | <0.0656 | <0.0476 | -         | 3360  | 3360   |
| Methyl tert-butyl ether  | <0.025            | <0.025      | <0.025      | <0.025  | <0.025  | <0.025  | 0.027     | 63.8  | 282    |
| Methylene chloride   | <0.0495           | <0.0469     | <0.042      | <0.0525 | <0.0580 | <0.0421 | 0.0026    | 60.7  | 1150   |
| Styrene  | <0.025            | <0.025      | <0.025      | <0.025  | <0.025  | <0.025  | 0.22      | 867   | 867    |
| 1,1,1,2-Tetrachloroethane  | <0.0272           | <0.0258     | <0.025      | <0.0289 | <0.0319 | <0.025  | 0.0002    | 0.753 | 3.69   |
| Tetrachloroethene  | <u>7.48</u>       | <u>1.35</u> | <u>6.18</u> | <0.025  | <0.0257 | <0.025  | 0.0045    | 33    | 145    |
| Toluene  | <0.025            | <0.025      | <0.025      | <0.025  | <0.025  | <0.025  | 1.1072    | 818   | 818    |
| Trichloroethene  | <0.025            | <0.025      | <0.025      | <0.025  | <0.025  | <0.025  | 1.1072    | 818   | 818    |
| 1,1,1-Trichloroethane  | <0.0282           | <0.0267     | <0.025      | <0.0299 | <0.0330 | <0.025  | 0.1402    | 640   | 640    |
| 1,1,2-Trichloroethane  | <0.0280           | <0.0265     | <0.025      | <0.0297 | <0.0327 | <0.025  | 0.0032    | 1.48  | 7.01   |
| 1,2,4-Trimethylbenzene   | <0.025            | <0.025      | <0.025      | <0.025  | <0.025  | <0.025  | -         | 219   | 219    |
| 1,3,5-Trimethylbenzene   | <0.025            | <0.025      | <0.025      | <0.025  | <0.025  | <0.025  | -         | 182   | 182    |
| Vinyl acetate  | <0.0324           | <0.0307     | <0.0275     | <0.0344 | <0.0380 | <0.0276 | -         | 1300  | 2750   |
| Vinyl chloride   | <0.025            | <0.025      | <0.025      | <0.025  | <0.025  | <0.025  | 0.0001    | 0.067 | 2.03   |
| m,p-Xylene   | <0.090            | <0.0853     | <0.0764     | <0.0954 | <0.105  | <0.0765 | -         | 388   | 388    |
| o-Xylene   | <0.025            | <0.025      | <0.025      | <0.025  | <0.025  | <0.025  | -         | 434   | 434    |
| Xylenes, Total   | <0.102            | <0.0971     | <0.0870     | <0.109  | <0.0120 | <0.0871 | 3.96      | 260   | 260    |

- Notes: All samples collected from the unsaturated zone  
All results expressed as mg/kg
- RCL Residual Contaminant Level (December 2018 RCL Spreadsheet Update)
- GWP Groundwater Pathway RCL (Exceedances in underline)
- NIDC Non-Industrial Direct Contact RCL (Exceedances in **bold**)
- IDC Industrial Direct Contact Pathway RCL (Exceedances in **bold** and shaded)
- RCL not established for this compound
- < Compound not detected at or above the Limit Of Detection (LOD)
- E Reported concentrations are estimated values
- Q One or more quality control results were outside of the acceptable limits

## Analytical Report

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

March 02, 2020

Work Order: 20B0679

RE: Waste Characterization  
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.

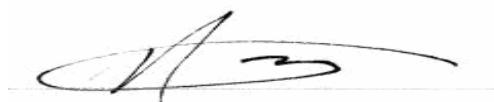
Sincerely,



Jacoby Jackson  
Project Manager  
847.967.6666  
jjackson@emt.com

Approved for release: 3/2/2020 10:15:00AM

Approved by,



Nathan Fey  
Laboratory Operations Manager

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

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

## *Table of Contents*

|                                   |           |
|-----------------------------------|-----------|
| <i>Cover Letter</i>               | <i>1</i>  |
| <i>Sample Summary</i>             | <i>3</i>  |
| <i>Case Narrative</i>             | <i>4</i>  |
| <i>Client Sample Results</i>      | <i>5</i>  |
| <i>Dates Report</i>               | <i>17</i> |
| <i>Quality Control</i>            | <i>18</i> |
| <i>Certified Analyses</i>         | <i>26</i> |
| <i>List of Certifications</i>     | <i>27</i> |
| <i>Qualifiers and Definitions</i> | <i>28</i> |
| <i>Chain of Custody</i>           | <i>29</i> |

### Sample Summary

| <u>Sample ID</u> | <u>Laboratory ID</u> | <u>Matrix</u> | <u>Date Sampled</u> | <u>Date Received</u> |
|------------------|----------------------|---------------|---------------------|----------------------|
| GP-9 2-3         | 20B0679-01           | Soil          | 02/19/20 10:00      | 02/19/20 12:00       |
| GP-9 5-6         | 20B0679-02           | Soil          | 02/19/20 10:15      | 02/19/20 12:00       |
| GP-9 14-15       | 20B0679-03           | Soil          | 02/19/20 10:30      | 02/19/20 12:00       |
| GP-10 2-3        | 20B0679-04           | Soil          | 02/19/20 11:00      | 02/19/20 12:00       |
| GP-10 6-7        | 20B0679-05           | Soil          | 02/19/20 11:15      | 02/19/20 12:00       |
| GP-10 10-11      | 20B0679-06           | Soil          | 02/19/20 11:30      | 02/19/20 12:00       |

## Case Narrative

**Client:** United Engineering Consultants, Inc.

**Date:** 03/02/2020

**Project:** Waste Characterization  
19006

**Work Order:** 20B0679

---

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: 20B0679**

The samples were received on 02/19/20 12:00. The samples arrived in good condition and properly preserved. The temperature of the cooler at receipt was:

| <u>Cooler</u>  | <u>Temp C°</u> |
|----------------|----------------|
| Default Cooler | 2.2            |

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

### **GC-MS Volatiles**

#### WDNR-VOC

20B0679-03 was run on the P Moist 4 oz jar as the VOC vial with methanol that was cracked on the bottom and the methanol had leaked out. The Acetone is marked as estimated due to the level found in the blank and the possibility of laboratory contamination of using the 4 oz jar versus the methanol vial where no other samples had detects of the compound.



## Client Sample Results

**Client:** United Engineering Consultants, Inc.  
**Project:** Waste Characterization  
 19006  
**Work Order:** 20B0679

**Client Sample ID:** GP-9 2-3  
**Report Date:** 03/02/2020  
**Collection Date:** 02/19/2020 10:00  
**Matrix:** Soil  
**Lab ID:** 20B0679-01

| Analyses                                   | Result      | EMT Reporting |      | Units       | Reg Limit | MDL    | Date/Time Analyzed | Batch   | Analyst | DF |
|--|-------------|---------------|------|-------------|-----------|--------|--------------------|---------|---------|----|
|  |             | Limit         | Qual |             |           |        |                    |         |         |    |
| <b>Wet Chemistry</b>                       |             |               |      |             |           |        |                    |         |         |    |
| Method: SM2540G                            |             |               |      |             |           |        |                    |         |         |    |
| Total Solids                               | 82.9        | 0.100         |      | % (Percent) |           | 0.0240 | 02/20/20 05:47     | B0B0670 | MKP     | 1  |
| <b>Volatile Organic Compounds by GC/MS</b> |             |               |      |             |           |        |                    |         |         |    |
| Method: SW-846 8260B/WDNR: PUBL-FW-140     |             |               |      |             |           |        |                    |         |         |    |
| 1,1,1-Trichloroethane                      | < 28.2      | 28.2          |      | ug/Kg dry   |           | 28.2   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| 1,1,2,2-Tetrachloroethane                  | < 27.2      | 27.2          |      | ug/Kg dry   |           | 27.2   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| 1,1,2-Trichloroethane                      | < 28.0      | 28.0          |      | ug/Kg dry   |           | 28.0   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| 1,1-Dichloroethane                         | < 42.3      | 42.3          |      | ug/Kg dry   |           | 42.3   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| 1,1-Dichloroethene                         | < 33.1      | 33.1          |      | ug/Kg dry   |           | 33.1   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| 1,2,4-Trimethylbenzene                     | < 25.0      | 25.0          |      | ug/Kg dry   |           | 16.3   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| 1,2-Dibromo-3-chloropropane                | < 46.3      | 46.3          |      | ug/Kg dry   |           | 46.3   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| 1,2-Dibromoethane                          | < 25.0      | 25.0          |      | ug/Kg dry   |           | 14.2   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| 1,2-Dichloroethane                         | < 25.0      | 25.0          |      | ug/Kg dry   |           | 10.3   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| 1,2-Dichloropropane                        | < 25.0      | 25.0          |      | ug/Kg dry   |           | 19.0   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| 1,3,5-Trimethylbenzene                     | < 25.0      | 25.0          |      | ug/Kg dry   |           | 16.0   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| 1-Butanol                                  | < 485       | 485           |      | ug/Kg dry   |           | 485    | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| 2-Butanone                                 | < 120       | 120           |      | ug/Kg dry   |           | 120    | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| 2-Hexanone                                 | < 83.2      | 83.2          |      | ug/Kg dry   |           | 83.2   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| 4-Methyl-2-pentanone                       | < 56.0      | 56.0          |      | ug/Kg dry   |           | 56.0   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| Acetone                                    | < 207       | 207           |      | ug/Kg dry   |           | 207    | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| Acrylonitrile                              | < 59.4      | 59.4          |      | ug/Kg dry   |           | 59.4   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| Benzene                                    | < 25.0      | 25.0          |      | ug/Kg dry   |           | 12.2   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| Bromodichloromethane                       | < 25.0      | 25.0          |      | ug/Kg dry   |           | 18.2   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| Bromoform                                  | < 25.0      | 25.0          |      | ug/Kg dry   |           | 19.8   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| Carbon disulfide                           | < 25.0      | 25.0          |      | ug/Kg dry   |           | 14.8   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| Carbon tetrachloride                       | < 25.0      | 25.0          |      | ug/Kg dry   |           | 12.8   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| Chlorobenzene                              | < 25.0      | 25.0          |      | ug/Kg dry   |           | 14.1   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| Chloroform                                 | < 26.3      | 26.3          |      | ug/Kg dry   |           | 26.3   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| cis-1,2-Dichloroethene                     | < 29.0      | 29.0          |      | ug/Kg dry   |           | 29.0   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| Dibromochloromethane                       | < 25.0      | 25.0          |      | ug/Kg dry   |           | 23.0   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| Ethylbenzene                               | < 25.0      | 25.0          |      | ug/Kg dry   |           | 18.1   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| m,p-Xylene                                 | < 90.0      | 90.0          |      | ug/Kg dry   |           | 90.0   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| Methyl tert-butyl ether                    | < 25.0      | 25.0          |      | ug/Kg dry   |           | 21.1   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| Methylene chloride                         | < 49.5      | 49.5          |      | ug/Kg dry   |           | 49.5   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| o-Xylene                                   | < 25.0      | 25.0          |      | ug/Kg dry   |           | 12.5   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| Styrene                                    | < 25.0      | 25.0          |      | ug/Kg dry   |           | 18.1   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| <b>Tetrachloroethene</b>                   | <b>7480</b> | 25.0          |      | ug/Kg dry   |           | 21.9   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| Toluene                                    | < 25.0      | 25.0          |      | ug/Kg dry   |           | 16.4   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| trans-1,2-Dichloroethene                   | < 39.9      | 39.9          |      | ug/Kg dry   |           | 39.9   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| Trichloroethene                            | < 25.0      | 25.0          |      | ug/Kg dry   |           | 14.6   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| Vinyl acetate                              | < 32.4      | 32.4          |      | ug/Kg dry   |           | 32.4   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| Vinyl chloride                             | < 25.0      | 25.0          |      | ug/Kg dry   |           | 20.0   | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| Xylenes, Total                             | < 102       | 102           |      | ug/Kg dry   |           | 102    | 02/27/20 20:44     | B0B0988 | XN      | 50 |

## Client Sample Results

(Continued)

**Client:** United Engineering Consultants, Inc.  
**Project:** Waste Characterization  
 19006  
**Work Order:** 20B0679

**Client Sample ID:** GP-9 2-3  
**Report Date:** 03/02/2020  
**Collection Date:** 02/19/2020 10:00  
**Matrix:** Soil  
**Lab ID:** 20B0679-01 (Continued)

| Analyses  | EMT Reporting |       | Qual | Units          | Reg Limit | MDL            | Date/Time Analyzed | Batch   | Analyst | DF |
|---|---------------|-------|------|----------------|-----------|----------------|--------------------|---------|---------|----|
|   | Result        | Limit |      |                |           |                |                    |         |         |    |
| <b>Volatile Organic Compounds by GC/MS (Continued)</b>    |               |       |      |                |           |                |                    |         |         |    |
| <b>Method: SW-846 8260B/WDNR: PUBL-FW-140 (Continued)</b> |               |       |      |                |           |                |                    |         |         |    |
| 1,2-Dichloroethene, Total                                 | < 68.9        | 68.9  |      | ug/Kg dry      |           | 68.9           | 02/27/20 20:44     | B0B0988 | XN      | 50 |
| Surrogate: Dibromofluoromethane                           |               |       |      | Recovery: 93%  |           | Limits: 78-137 | 02/27/20 20:44     | B0B0988 | XN      | 1  |
| Surrogate: 1,2-Dichloroethane-d4                          |               |       |      | Recovery: 105% |           | Limits: 86-137 | 02/27/20 20:44     | B0B0988 | XN      | 1  |
| Surrogate: Fluorobenzene                                  |               |       |      | Recovery: 101% |           | Limits: 80-120 | 02/27/20 20:44     | B0B0988 | XN      | 1  |
| Surrogate: Toluene-d8                                     |               |       |      | Recovery: 105% |           | Limits: 73-112 | 02/27/20 20:44     | B0B0988 | XN      | 1  |
| Surrogate: 4-Bromofluorobenzene                           |               |       |      | Recovery: 106% |           | Limits: 85-120 | 02/27/20 20:44     | B0B0988 | XN      | 1  |
| Surrogate: 1,2-Dichlorobenzene-d4                         |               |       |      | Recovery: 100% |           | Limits: 85-128 | 02/27/20 20:44     | B0B0988 | XN      | 1  |

**Client Sample Results**

(Continued)

**Client:** United Engineering Consultants, Inc.  
**Project:** Waste Characterization  
 19006  
**Work Order:** 20B0679

**Client Sample ID:** GP-9 5-6  
**Report Date:** 03/02/2020  
**Collection Date:** 02/19/2020 10:15  
**Matrix:** Soil  
**Lab ID:** 20B0679-02

| Analyses                                   | Result      | EMT                |      | Units       | Reg<br>Limit | MDL    | Date/Time<br>Analyzed | Batch   | Analyst | DF |
|--|-------------|--------------------|------|-------------|--------------|--------|-----------------------|---------|---------|----|
|  |             | Reporting<br>Limit | Qual |             |              |        |                       |         |         |    |
| <b>Wet Chemistry</b>                       |             |                    |      |             |              |        |                       |         |         |    |
| Method: SM2540G                            |             |                    |      |             |              |        |                       |         |         |    |
| Total Solids                               | 76.7        | 0.100              |      | % (Percent) |              | 0.0240 | 02/20/20 05:49        | B0B0670 | MKP     | 1  |
| <b>Volatile Organic Compounds by GC/MS</b> |             |                    |      |             |              |        |                       |         |         |    |
| Method: SW-846 8260B/WDNR: PUBL-FW-140     |             |                    |      |             |              |        |                       |         |         |    |
| 1,1,1-Trichloroethane                      | < 26.7      | 26.7               |      | ug/Kg dry   |              | 26.7   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| 1,1,2,2-Tetrachloroethane                  | < 25.8      | 25.8               |      | ug/Kg dry   |              | 25.8   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| 1,1,2-Trichloroethane                      | < 26.5      | 26.5               |      | ug/Kg dry   |              | 26.5   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| 1,1-Dichloroethane                         | < 40.1      | 40.1               |      | ug/Kg dry   |              | 40.1   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| 1,1-Dichloroethene                         | < 31.4      | 31.4               |      | ug/Kg dry   |              | 31.4   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| 1,2,4-Trimethylbenzene                     | < 25.0      | 25.0               |      | ug/Kg dry   |              | 15.5   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| 1,2-Dibromo-3-chloropropane                | < 43.9      | 43.9               |      | ug/Kg dry   |              | 43.9   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| 1,2-Dibromoethane                          | < 25.0      | 25.0               |      | ug/Kg dry   |              | 13.4   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| 1,2-Dichloroethane                         | < 25.0      | 25.0               |      | ug/Kg dry   |              | 9.73   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| 1,2-Dichloropropane                        | < 25.0      | 25.0               |      | ug/Kg dry   |              | 18.0   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| 1,3,5-Trimethylbenzene                     | < 25.0      | 25.0               |      | ug/Kg dry   |              | 15.2   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| 1-Butanol                                  | < 459       | 459                |      | ug/Kg dry   |              | 459    | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| 2-Butanone                                 | < 114       | 114                |      | ug/Kg dry   |              | 114    | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| 2-Hexanone                                 | < 78.8      | 78.8               |      | ug/Kg dry   |              | 78.8   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| 4-Methyl-2-pentanone                       | < 53.1      | 53.1               |      | ug/Kg dry   |              | 53.1   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| Acetone                                    | < 196       | 196                |      | ug/Kg dry   |              | 196    | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| Acrylonitrile                              | < 56.3      | 56.3               |      | ug/Kg dry   |              | 56.3   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| Benzene                                    | < 25.0      | 25.0               |      | ug/Kg dry   |              | 11.5   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| Bromodichloromethane                       | < 25.0      | 25.0               |      | ug/Kg dry   |              | 17.2   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| Bromoform                                  | < 25.0      | 25.0               |      | ug/Kg dry   |              | 18.7   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| Carbon disulfide                           | < 25.0      | 25.0               |      | ug/Kg dry   |              | 14.0   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| Carbon tetrachloride                       | < 25.0      | 25.0               |      | ug/Kg dry   |              | 12.1   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| Chlorobenzene                              | < 25.0      | 25.0               |      | ug/Kg dry   |              | 13.3   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| Chloroform                                 | < 25.0      | 25.0               |      | ug/Kg dry   |              | 24.9   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| cis-1,2-Dichloroethene                     | < 27.5      | 27.5               |      | ug/Kg dry   |              | 27.5   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| Dibromochloromethane                       | < 25.0      | 25.0               |      | ug/Kg dry   |              | 21.8   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| Ethylbenzene                               | < 25.0      | 25.0               |      | ug/Kg dry   |              | 17.2   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| m,p-Xylene                                 | < 85.3      | 85.3               |      | ug/Kg dry   |              | 85.3   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| Methyl tert-butyl ether                    | < 25.0      | 25.0               |      | ug/Kg dry   |              | 20.0   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| Methylene chloride                         | < 46.9      | 46.9               |      | ug/Kg dry   |              | 46.9   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| o-Xylene                                   | < 25.0      | 25.0               |      | ug/Kg dry   |              | 11.9   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| Styrene                                    | < 25.0      | 25.0               |      | ug/Kg dry   |              | 17.1   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| <b>Tetrachloroethene</b>                   | <b>1350</b> | 25.0               |      | ug/Kg dry   |              | 20.8   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| Toluene                                    | < 25.0      | 25.0               |      | ug/Kg dry   |              | 15.6   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| trans-1,2-Dichloroethene                   | < 37.8      | 37.8               |      | ug/Kg dry   |              | 37.8   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| Trichloroethene                            | < 25.0      | 25.0               |      | ug/Kg dry   |              | 13.8   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| Vinyl acetate                              | < 30.7      | 30.7               |      | ug/Kg dry   |              | 30.7   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| Vinyl chloride                             | < 25.0      | 25.0               |      | ug/Kg dry   |              | 19.0   | 02/27/20 21:07        | B0B0988 | XN      | 50 |
| Xylenes, Total                             | < 97.1      | 97.1               |      | ug/Kg dry   |              | 97.1   | 02/27/20 21:07        | B0B0988 | XN      | 50 |

**Client Sample Results**

(Continued)

**Client:** United Engineering Consultants, Inc.  
**Project:** Waste Characterization  
 19006  
**Work Order:** 20B0679

**Client Sample ID:** GP-9 5-6  
**Report Date:** 03/02/2020  
**Collection Date:** 02/19/2020 10:15  
**Matrix:** Soil  
**Lab ID:** 20B0679-02 (Continued)

| Analyses  | EMT Reporting |       |            | Reg Limit      | MDL            | Date/Time Analyzed | Batch   | Analyst | DF |  |
|---|---------------|-------|------------|----------------|----------------|--------------------|---------|---------|----|--|
|   | Result        | Limit | Qual Units |                |                |                    |         |         |    |  |
| <b>Volatile Organic Compounds by GC/MS (Continued)</b>    |               |       |            |                |                |                    |         |         |    |  |
| <b>Method: SW-846 8260B/WDNR: PUBL-FW-140 (Continued)</b> |               |       |            |                |                |                    |         |         |    |  |
| 1,2-Dichloroethene, Total                                 | < 65.3        | 65.3  | ug/Kg dry  |                | 65.3           | 02/27/20 21:07     | B0B0988 | XN      | 50 |  |
| Surrogate: Dibromofluoromethane                           |               |       |            | Recovery: 97%  | Limits: 78-137 | 02/27/20 21:07     | B0B0988 | XN      | 1  |  |
| Surrogate: 1,2-Dichloroethane-d4                          |               |       |            | Recovery: 106% | Limits: 86-137 | 02/27/20 21:07     | B0B0988 | XN      | 1  |  |
| Surrogate: Fluorobenzene                                  |               |       |            | Recovery: 105% | Limits: 80-120 | 02/27/20 21:07     | B0B0988 | XN      | 1  |  |
| Surrogate: Toluene-d8                                     |               |       |            | Recovery: 101% | Limits: 73-112 | 02/27/20 21:07     | B0B0988 | XN      | 1  |  |
| Surrogate: 4-Bromofluorobenzene                           |               |       |            | Recovery: 111% | Limits: 85-120 | 02/27/20 21:07     | B0B0988 | XN      | 1  |  |
| Surrogate: 1,2-Dichlorobenzene-d4                         |               |       |            | Recovery: 100% | Limits: 85-128 | 02/27/20 21:07     | B0B0988 | XN      | 1  |  |

**Client Sample Results**

(Continued)

**Client:** United Engineering Consultants, Inc.  
**Project:** Waste Characterization  
 19006  
**Work Order:** 20B0679

**Client Sample ID:** GP-9 14-15  
**Report Date:** 03/02/2020  
**Collection Date:** 02/19/2020 10:30  
**Matrix:** Soil  
**Lab ID:** 20B0679-03

| Analyses                                   | Result      | EMT Reporting |       | Qual | Units       | Reg Limit | MDL    | Date/Time Analyzed | Batch   | Analyst | DF |
|--|-------------|---------------|-------|------|-------------|-----------|--------|--------------------|---------|---------|----|
|  |             | Limit         | Limit |      |             |           |        |                    |         |         |    |
| <b>Wet Chemistry</b>                       |             |               |       |      |             |           |        |                    |         |         |    |
| Method: SM2540G                            |             |               |       |      |             |           |        |                    |         |         |    |
| Total Solids                               | 95.7        | 0.100         |       |      | % (Percent) |           | 0.0240 | 02/20/20 05:51     | B0B0670 | MKP     | 1  |
| <b>Volatile Organic Compounds by GC/MS</b> |             |               |       |      |             |           |        |                    |         |         |    |
| Method: SW-846 8260B/WDNR: PUBL-FW-140     |             |               |       |      |             |           |        |                    |         |         |    |
| 1,1,1-Trichloroethane                      | < 25.0      | 25.0          |       |      | ug/Kg dry   |           | 23.9   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| 1,1,2,2-Tetrachloroethane                  | < 25.0      | 25.0          |       |      | ug/Kg dry   |           | 23.1   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| 1,1,2-Trichloroethane                      | < 25.0      | 25.0          |       |      | ug/Kg dry   |           | 23.7   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| 1,1-Dichloroethane                         | < 35.9      | 35.9          |       |      | ug/Kg dry   |           | 35.9   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| 1,1-Dichloroethene                         | < 28.1      | 28.1          |       |      | ug/Kg dry   |           | 28.1   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| 1,2,4-Trimethylbenzene                     | < 25.0      | 25.0          |       |      | ug/Kg dry   |           | 13.9   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| 1,2-Dibromo-3-chloropropane                | < 39.3      | 39.3          |       |      | ug/Kg dry   |           | 39.3   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| 1,2-Dibromoethane                          | < 25.0      | 25.0          |       |      | ug/Kg dry   |           | 12.0   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| 1,2-Dichloroethane                         | < 25.0      | 25.0          |       |      | ug/Kg dry   |           | 8.71   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| 1,2-Dichloropropane                        | < 25.0      | 25.0          |       |      | ug/Kg dry   |           | 16.1   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| 1,3,5-Trimethylbenzene                     | < 25.0      | 25.0          |       |      | ug/Kg dry   |           | 13.6   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| 1-Butanol                                  | < 411       | 411           |       |      | ug/Kg dry   |           | 411    | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| <b>2-Butanone</b>                          | <b>268</b>  | 102           |       |      | ug/Kg dry   |           | 102    | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| 2-Hexanone                                 | < 70.6      | 70.6          |       |      | ug/Kg dry   |           | 70.6   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| 4-Methyl-2-pentanone                       | < 47.6      | 47.6          |       |      | ug/Kg dry   |           | 47.6   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| <b>Acetone</b>                             | <b>260</b>  | 175           | E, Q  |      | ug/Kg dry   |           | 175    | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| Acrylonitrile                              | < 50.4      | 50.4          |       |      | ug/Kg dry   |           | 50.4   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| Benzene                                    | < 25.0      | 25.0          |       |      | ug/Kg dry   |           | 10.3   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| Bromodichloromethane                       | < 25.0      | 25.0          |       |      | ug/Kg dry   |           | 15.4   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| Bromoform                                  | < 25.0      | 25.0          |       |      | ug/Kg dry   |           | 16.8   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| Carbon disulfide                           | < 25.0      | 25.0          |       |      | ug/Kg dry   |           | 12.6   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| Carbon tetrachloride                       | < 25.0      | 25.0          |       |      | ug/Kg dry   |           | 10.9   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| Chlorobenzene                              | < 25.0      | 25.0          |       |      | ug/Kg dry   |           | 12.0   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| Chloroform                                 | < 25.0      | 25.0          |       |      | ug/Kg dry   |           | 22.3   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| cis-1,2-Dichloroethene                     | < 25.0      | 25.0          |       |      | ug/Kg dry   |           | 24.6   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| Dibromochloromethane                       | < 25.0      | 25.0          |       |      | ug/Kg dry   |           | 19.5   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| Ethylbenzene                               | < 25.0      | 25.0          |       |      | ug/Kg dry   |           | 15.4   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| m,p-Xylene                                 | < 76.4      | 76.4          |       |      | ug/Kg dry   |           | 76.4   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| Methyl tert-butyl ether                    | < 25.0      | 25.0          |       |      | ug/Kg dry   |           | 17.9   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| Methylene chloride                         | < 42.0      | 42.0          |       |      | ug/Kg dry   |           | 42.0   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| o-Xylene                                   | < 25.0      | 25.0          |       |      | ug/Kg dry   |           | 10.6   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| Styrene                                    | < 25.0      | 25.0          |       |      | ug/Kg dry   |           | 15.3   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| <b>Tetrachloroethene</b>                   | <b>6180</b> | 25.0          |       |      | ug/Kg dry   |           | 18.6   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| Toluene                                    | < 25.0      | 25.0          |       |      | ug/Kg dry   |           | 14.0   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| trans-1,2-Dichloroethene                   | < 33.9      | 33.9          |       |      | ug/Kg dry   |           | 33.9   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| Trichloroethene                            | < 25.0      | 25.0          |       |      | ug/Kg dry   |           | 12.4   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| Vinyl acetate                              | < 27.5      | 27.5          |       |      | ug/Kg dry   |           | 27.5   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| Vinyl chloride                             | < 25.0      | 25.0          |       |      | ug/Kg dry   |           | 17.0   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| Xylenes, Total                             | < 87.0      | 87.0          |       |      | ug/Kg dry   |           | 87.0   | 02/28/20 14:17     | B0B1015 | KS1     | 50 |

## Client Sample Results

(Continued)

**Client:** United Engineering Consultants, Inc.  
**Project:** Waste Characterization  
 19006  
**Work Order:** 20B0679

**Client Sample ID:** GP-9 14-15  
**Report Date:** 03/02/2020  
**Collection Date:** 02/19/2020 10:30  
**Matrix:** Soil  
**Lab ID:** 20B0679-03 (Continued)

| Analyses  | Result | EMT Reporting |       | Qual | Units     | Reg Limit | MDL                              | Date/Time Analyzed | Batch   | Analyst | DF |
|---|--------|---------------|-------|------|-----------|-----------|----------------------------------|--------------------|---------|---------|----|
|   |        | Limit         | Limit |      |           |           |                                  |                    |         |         |    |
| <b>Volatile Organic Compounds by GC/MS (Continued)</b>    |        |               |       |      |           |           |                                  |                    |         |         |    |
| <b>Method: SW-846 8260B/WDNR: PUBL-FW-140 (Continued)</b> |        |               |       |      |           |           |                                  |                    |         |         |    |
| 1,2-Dichloroethene, Total                                 | < 58.5 | 58.5          |       |      | ug/Kg dry |           | 58.5                             | 02/28/20 14:17     | B0B1015 | KS1     | 50 |
| Surrogate: Dibromofluoromethane                           |        |               |       |      |           |           | Recovery: 96%<br>Limits: 78-137  | 02/28/20 14:17     | B0B1015 | KS1     | 1  |
| Surrogate: 1,2-Dichloroethane-d4                          |        |               |       |      |           |           | Recovery: 108%<br>Limits: 86-137 | 02/28/20 14:17     | B0B1015 | KS1     | 1  |
| Surrogate: Fluorobenzene                                  |        |               |       |      |           |           | Recovery: 100%<br>Limits: 80-120 | 02/28/20 14:17     | B0B1015 | KS1     | 1  |
| Surrogate: Toluene-d8                                     |        |               |       |      |           |           | Recovery: 107%<br>Limits: 73-112 | 02/28/20 14:17     | B0B1015 | KS1     | 1  |
| Surrogate: 4-Bromofluorobenzene                           |        |               | S     |      |           |           | Recovery: 122%<br>Limits: 85-120 | 02/28/20 14:17     | B0B1015 | KS1     | 1  |
| Surrogate: 1,2-Dichlorobenzene-d4                         |        |               |       |      |           |           | Recovery: 105%<br>Limits: 85-128 | 02/28/20 14:17     | B0B1015 | KS1     | 1  |

**Client Sample Results**

(Continued)

**Client:** United Engineering Consultants, Inc.  
**Project:** Waste Characterization  
 19006  
**Work Order:** 20B0679

**Client Sample ID:** GP-10 2-3  
**Report Date:** 03/02/2020  
**Collection Date:** 02/19/2020 11:00  
**Matrix:** Soil  
**Lab ID:** 20B0679-04

| Analyses                                   | Result | EMT                |      | Units       | Reg<br>Limit | MDL    | Date/Time<br>Analyzed | Batch   | Analyst | DF |
|--|--------|--------------------|------|-------------|--------------|--------|-----------------------|---------|---------|----|
|  |        | Reporting<br>Limit | Qual |             |              |        |                       |         |         |    |
| <b>Wet Chemistry</b>                       |        |                    |      |             |              |        |                       |         |         |    |
| Method: SM2540G                            |        |                    |      |             |              |        |                       |         |         |    |
| Total Solids                               | 79.0   | 0.100              |      | % (Percent) |              | 0.0240 | 02/20/20 05:53        | B0B0670 | MKP     | 1  |
| <b>Volatile Organic Compounds by GC/MS</b> |        |                    |      |             |              |        |                       |         |         |    |
| Method: SW-846 8260B/WDNR: PUBL-FW-140     |        |                    |      |             |              |        |                       |         |         |    |
| 1,1,1-Trichloroethane                      | < 29.9 | 29.9               |      | ug/Kg dry   |              | 29.9   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| 1,1,2,2-Tetrachloroethane                  | < 28.9 | 28.9               |      | ug/Kg dry   |              | 28.9   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| 1,1,2-Trichloroethane                      | < 29.7 | 29.7               |      | ug/Kg dry   |              | 29.7   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| 1,1-Dichloroethane                         | < 44.9 | 44.9               |      | ug/Kg dry   |              | 44.9   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| 1,1-Dichloroethene                         | < 35.1 | 35.1               |      | ug/Kg dry   |              | 35.1   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| 1,2,4-Trimethylbenzene                     | < 25.0 | 25.0               |      | ug/Kg dry   |              | 17.3   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| 1,2-Dibromo-3-chloropropane                | < 49.1 | 49.1               |      | ug/Kg dry   |              | 49.1   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| 1,2-Dibromoethane                          | < 25.0 | 25.0               |      | ug/Kg dry   |              | 15.0   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| 1,2-Dichloroethane                         | < 25.0 | 25.0               |      | ug/Kg dry   |              | 10.9   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| 1,2-Dichloropropane                        | < 25.0 | 25.0               |      | ug/Kg dry   |              | 20.2   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| 1,3,5-Trimethylbenzene                     | < 25.0 | 25.0               |      | ug/Kg dry   |              | 17.0   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| 1-Butanol                                  | < 514  | 514                |      | ug/Kg dry   |              | 514    | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| 2-Butanone                                 | < 128  | 128                |      | ug/Kg dry   |              | 128    | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| 2-Hexanone                                 | < 88.2 | 88.2               |      | ug/Kg dry   |              | 88.2   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| 4-Methyl-2-pentanone                       | < 59.4 | 59.4               |      | ug/Kg dry   |              | 59.4   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| Acetone                                    | < 219  | 219                |      | ug/Kg dry   |              | 219    | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| Acrylonitrile                              | < 63.0 | 63.0               |      | ug/Kg dry   |              | 63.0   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| Benzene                                    | < 25.0 | 25.0               |      | ug/Kg dry   |              | 12.9   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| Bromodichloromethane                       | < 25.0 | 25.0               |      | ug/Kg dry   |              | 19.3   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| Bromoform                                  | < 25.0 | 25.0               |      | ug/Kg dry   |              | 21.0   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| Carbon disulfide                           | < 25.0 | 25.0               |      | ug/Kg dry   |              | 15.7   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| Carbon tetrachloride                       | < 25.0 | 25.0               |      | ug/Kg dry   |              | 13.6   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| Chlorobenzene                              | < 25.0 | 25.0               |      | ug/Kg dry   |              | 14.9   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| Chloroform                                 | < 27.9 | 27.9               |      | ug/Kg dry   |              | 27.9   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| cis-1,2-Dichloroethene                     | < 30.8 | 30.8               |      | ug/Kg dry   |              | 30.8   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| Dibromochloromethane                       | < 25.0 | 25.0               |      | ug/Kg dry   |              | 24.4   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| Ethylbenzene                               | < 25.0 | 25.0               |      | ug/Kg dry   |              | 19.2   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| m,p-Xylene                                 | < 95.4 | 95.4               |      | ug/Kg dry   |              | 95.4   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| Methyl tert-butyl ether                    | < 25.0 | 25.0               |      | ug/Kg dry   |              | 22.4   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| Methylene chloride                         | < 52.5 | 52.5               |      | ug/Kg dry   |              | 52.5   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| o-Xylene                                   | < 25.0 | 25.0               |      | ug/Kg dry   |              | 13.3   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| Styrene                                    | < 25.0 | 25.0               |      | ug/Kg dry   |              | 19.2   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| Tetrachloroethene                          | < 25.0 | 25.0               |      | ug/Kg dry   |              | 23.3   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| Toluene                                    | < 25.0 | 25.0               |      | ug/Kg dry   |              | 17.4   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| trans-1,2-Dichloroethene                   | < 42.3 | 42.3               |      | ug/Kg dry   |              | 42.3   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| Trichloroethene                            | < 25.0 | 25.0               |      | ug/Kg dry   |              | 15.5   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| Vinyl acetate                              | < 34.4 | 34.4               |      | ug/Kg dry   |              | 34.4   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| Vinyl chloride                             | < 25.0 | 25.0               |      | ug/Kg dry   |              | 21.2   | 02/27/20 21:30        | B0B0988 | XN      | 50 |
| Xylenes, Total                             | < 109  | 109                |      | ug/Kg dry   |              | 109    | 02/27/20 21:30        | B0B0988 | XN      | 50 |

## Client Sample Results

(Continued)

**Client:** United Engineering Consultants, Inc.  
**Project:** Waste Characterization  
 19006  
**Work Order:** 20B0679

**Client Sample ID:** GP-10 2-3  
**Report Date:** 03/02/2020  
**Collection Date:** 02/19/2020 11:00  
**Matrix:** Soil  
**Lab ID:** 20B0679-04 (Continued)

| Analyses  | Result | EMT Reporting |       | Qual | Units          | Reg Limit | MDL            | Date/Time Analyzed | Batch   | Analyst | DF |
|---|--------|---------------|-------|------|----------------|-----------|----------------|--------------------|---------|---------|----|
|   |        | Limit         | Limit |      |                |           |                |                    |         |         |    |
| <b>Method: SW-846 8260B/WDNR: PUBL-FW-140 (Continued)</b> |        |               |       |      |                |           |                |                    |         |         |    |
| 1,2-Dichloroethene, Total                                 | < 73.1 | 73.1          |       |      | ug/Kg dry      |           | 73.1           | 02/27/20 21:30     | B0B0988 | XN      | 50 |
| Surrogate: Dibromofluoromethane                           |        |               |       |      | Recovery: 94%  |           | Limits: 78-137 | 02/27/20 21:30     | B0B0988 | XN      | 1  |
| Surrogate: 1,2-Dichloroethane-d4                          |        |               |       |      | Recovery: 102% |           | Limits: 86-137 | 02/27/20 21:30     | B0B0988 | XN      | 1  |
| Surrogate: Fluorobenzene                                  |        |               |       |      | Recovery: 104% |           | Limits: 80-120 | 02/27/20 21:30     | B0B0988 | XN      | 1  |
| Surrogate: Toluene-d8                                     |        |               |       |      | Recovery: 100% |           | Limits: 73-112 | 02/27/20 21:30     | B0B0988 | XN      | 1  |
| Surrogate: 4-Bromofluorobenzene                           |        |               |       |      | Recovery: 100% |           | Limits: 85-120 | 02/27/20 21:30     | B0B0988 | XN      | 1  |
| Surrogate: 1,2-Dichlorobenzene-d4                         |        |               |       |      | Recovery: 104% |           | Limits: 85-128 | 02/27/20 21:30     | B0B0988 | XN      | 1  |



**Client Sample Results**

(Continued)

**Client:** United Engineering Consultants, Inc.  
**Project:** Waste Characterization  
 19006  
**Work Order:** 20B0679

**Client Sample ID:** GP-10 6-7  
**Report Date:** 03/02/2020  
**Collection Date:** 02/19/2020 11:15  
**Matrix:** Soil  
**Lab ID:** 20B0679-05

| Analyses                                   | Result | EMT Reporting |      | Units       | Reg Limit | MDL    | Date/Time Analyzed | Batch   | Analyst | DF |
|--|--------|---------------|------|-------------|-----------|--------|--------------------|---------|---------|----|
|  |        | Limit         | Qual |             |           |        |                    |         |         |    |
| <b>Wet Chemistry</b>                       |        |               |      |             |           |        |                    |         |         |    |
| Method: SM2540G                            |        |               |      |             |           |        |                    |         |         |    |
| Total Solids                               | 85.1   | 0.100         |      | % (Percent) |           | 0.0240 | 02/20/20 05:55     | B0B0670 | MKP     | 1  |
| <b>Volatile Organic Compounds by GC/MS</b> |        |               |      |             |           |        |                    |         |         |    |
| Method: SW-846 8260B/WDNR: PUBL-FW-140     |        |               |      |             |           |        |                    |         |         |    |
| 1,1,1-Trichloroethane                      | < 33.0 | 33.0          |      | ug/Kg dry   |           | 33.0   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| 1,1,2,2-Tetrachloroethane                  | < 31.9 | 31.9          |      | ug/Kg dry   |           | 31.9   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| 1,1,2-Trichloroethane                      | < 32.7 | 32.7          |      | ug/Kg dry   |           | 32.7   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| 1,1-Dichloroethane                         | < 49.6 | 49.6          |      | ug/Kg dry   |           | 49.6   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| 1,1-Dichloroethene                         | < 38.8 | 38.8          |      | ug/Kg dry   |           | 38.8   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| 1,2,4-Trimethylbenzene                     | < 25.0 | 25.0          |      | ug/Kg dry   |           | 19.1   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| 1,2-Dibromo-3-chloropropane                | < 54.3 | 54.3          |      | ug/Kg dry   |           | 54.3   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| 1,2-Dibromoethane                          | < 25.0 | 25.0          |      | ug/Kg dry   |           | 16.6   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| 1,2-Dichloroethane                         | < 25.0 | 25.0          |      | ug/Kg dry   |           | 12.0   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| 1,2-Dichloropropane                        | < 25.0 | 25.0          |      | ug/Kg dry   |           | 22.3   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| 1,3,5-Trimethylbenzene                     | < 25.0 | 25.0          |      | ug/Kg dry   |           | 18.7   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| 1-Butanol                                  | < 568  | 568           |      | ug/Kg dry   |           | 568    | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| 2-Butanone                                 | < 141  | 141           |      | ug/Kg dry   |           | 141    | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| 2-Hexanone                                 | < 97.4 | 97.4          |      | ug/Kg dry   |           | 97.4   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| 4-Methyl-2-pentanone                       | < 65.6 | 65.6          |      | ug/Kg dry   |           | 65.6   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| Acetone                                    | < 242  | 242           |      | ug/Kg dry   |           | 242    | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| Acrylonitrile                              | < 69.6 | 69.6          |      | ug/Kg dry   |           | 69.6   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| Benzene                                    | < 25.0 | 25.0          |      | ug/Kg dry   |           | 14.3   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| Bromodichloromethane                       | < 25.0 | 25.0          |      | ug/Kg dry   |           | 21.3   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| Bromoform                                  | < 25.0 | 25.0          |      | ug/Kg dry   |           | 23.2   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| Carbon disulfide                           | < 25.0 | 25.0          |      | ug/Kg dry   |           | 17.3   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| Carbon tetrachloride                       | < 25.0 | 25.0          |      | ug/Kg dry   |           | 15.0   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| Chlorobenzene                              | < 25.0 | 25.0          |      | ug/Kg dry   |           | 16.5   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| Chloroform                                 | < 30.8 | 30.8          |      | ug/Kg dry   |           | 30.8   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| cis-1,2-Dichloroethene                     | < 34.0 | 34.0          |      | ug/Kg dry   |           | 34.0   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| Dibromochloromethane                       | < 26.9 | 26.9          |      | ug/Kg dry   |           | 26.9   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| Ethylbenzene                               | < 25.0 | 25.0          |      | ug/Kg dry   |           | 21.2   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| m,p-Xylene                                 | < 105  | 105           |      | ug/Kg dry   |           | 105    | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| Methyl tert-butyl ether                    | < 25.0 | 25.0          |      | ug/Kg dry   |           | 24.8   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| Methylene chloride                         | < 58.0 | 58.0          |      | ug/Kg dry   |           | 58.0   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| o-Xylene                                   | < 25.0 | 25.0          |      | ug/Kg dry   |           | 14.6   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| Styrene                                    | < 25.0 | 25.0          |      | ug/Kg dry   |           | 21.2   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| Tetrachloroethene                          | < 25.7 | 25.7          |      | ug/Kg dry   |           | 25.7   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| Toluene                                    | < 25.0 | 25.0          |      | ug/Kg dry   |           | 19.3   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| trans-1,2-Dichloroethene                   | < 46.8 | 46.8          |      | ug/Kg dry   |           | 46.8   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| Trichloroethene                            | < 25.0 | 25.0          |      | ug/Kg dry   |           | 17.1   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| Vinyl acetate                              | < 38.0 | 38.0          |      | ug/Kg dry   |           | 38.0   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| Vinyl chloride                             | < 25.0 | 25.0          |      | ug/Kg dry   |           | 23.4   | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| Xylenes, Total                             | < 120  | 120           |      | ug/Kg dry   |           | 120    | 02/27/20 21:54     | B0B0988 | XN      | 50 |

## Client Sample Results

(Continued)

**Client:** United Engineering Consultants, Inc.  
**Project:** Waste Characterization  
 19006  
**Work Order:** 20B0679

**Client Sample ID:** GP-10 6-7  
**Report Date:** 03/02/2020  
**Collection Date:** 02/19/2020 11:15  
**Matrix:** Soil  
**Lab ID:** 20B0679-05 (Continued)

| Analyses   | EMT Reporting |       | Qual | Units          | Reg Limit | MDL            | Date/Time Analyzed | Batch   | Analyst | DF |
|--|---------------|-------|------|----------------|-----------|----------------|--------------------|---------|---------|----|
|  | Result        | Limit |      |                |           |                |                    |         |         |    |
| <b>Volatile Organic Compounds by GC/MS (Continued)</b> |               |       |      |                |           |                |                    |         |         |    |
| Method: SW-846 8260B/WDNR: PUBL-FW-140 (Continued)     |               |       |      |                |           |                |                    |         |         |    |
| 1,2-Dichloroethene, Total                              | < 80.7        | 80.7  |      | ug/Kg dry      |           | 80.7           | 02/27/20 21:54     | B0B0988 | XN      | 50 |
| Surrogate: Dibromofluoromethane                        |               |       |      | Recovery: 94%  |           | Limits: 78-137 | 02/27/20 21:54     | B0B0988 | XN      | 1  |
| Surrogate: 1,2-Dichloroethane-d4                       |               |       |      | Recovery: 110% |           | Limits: 86-137 | 02/27/20 21:54     | B0B0988 | XN      | 1  |
| Surrogate: Fluorobenzene                               |               |       |      | Recovery: 102% |           | Limits: 80-120 | 02/27/20 21:54     | B0B0988 | XN      | 1  |
| Surrogate: Toluene-d8                                  |               |       |      | Recovery: 100% |           | Limits: 73-112 | 02/27/20 21:54     | B0B0988 | XN      | 1  |
| Surrogate: 4-Bromofluorobenzene                        |               |       |      | Recovery: 97%  |           | Limits: 85-120 | 02/27/20 21:54     | B0B0988 | XN      | 1  |
| Surrogate: 1,2-Dichlorobenzene-d4                      |               |       |      | Recovery: 97%  |           | Limits: 85-128 | 02/27/20 21:54     | B0B0988 | XN      | 1  |

**Client Sample Results**

(Continued)

**Client:** United Engineering Consultants, Inc.  
**Project:** Waste Characterization  
 19006  
**Work Order:** 20B0679

**Client Sample ID:** GP-10 10-11  
**Report Date:** 03/02/2020  
**Collection Date:** 02/19/2020 11:30  
**Matrix:** Soil  
**Lab ID:** 20B0679-06

| Analyses                                   | Result | EMT Reporting |      | Units       | Reg Limit | MDL    | Date/Time Analyzed | Batch   | Analyst | DF |
|--|--------|---------------|------|-------------|-----------|--------|--------------------|---------|---------|----|
|  |        | Limit         | Qual |             |           |        |                    |         |         |    |
| <b>Wet Chemistry</b>                       |        |               |      |             |           |        |                    |         |         |    |
| Method: SM2540G                            |        |               |      |             |           |        |                    |         |         |    |
| Total Solids                               | 87.5   | 0.100         |      | % (Percent) |           | 0.0240 | 02/20/20 05:57     | B0B0670 | MKP     | 1  |
| <b>Volatile Organic Compounds by GC/MS</b> |        |               |      |             |           |        |                    |         |         |    |
| Method: SW-846 8260B/WDNR: PUBL-FW-140     |        |               |      |             |           |        |                    |         |         |    |
| 1,1,1-Trichloroethane                      | < 25.0 | 25.0          |      | ug/Kg dry   |           | 23.9   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| 1,1,2,2-Tetrachloroethane                  | < 25.0 | 25.0          |      | ug/Kg dry   |           | 23.1   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| 1,1,2-Trichloroethane                      | < 25.0 | 25.0          |      | ug/Kg dry   |           | 23.8   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| 1,1-Dichloroethane                         | < 36.0 | 36.0          |      | ug/Kg dry   |           | 36.0   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| 1,1-Dichloroethene                         | < 28.1 | 28.1          |      | ug/Kg dry   |           | 28.1   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| 1,2,4-Trimethylbenzene                     | < 25.0 | 25.0          |      | ug/Kg dry   |           | 13.9   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| 1,2-Dibromo-3-chloropropane                | < 39.4 | 39.4          |      | ug/Kg dry   |           | 39.4   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| 1,2-Dibromoethane                          | < 25.0 | 25.0          |      | ug/Kg dry   |           | 12.1   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| 1,2-Dichloroethane                         | < 25.0 | 25.0          |      | ug/Kg dry   |           | 8.73   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| 1,2-Dichloropropane                        | < 25.0 | 25.0          |      | ug/Kg dry   |           | 16.2   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| 1,3,5-Trimethylbenzene                     | < 25.0 | 25.0          |      | ug/Kg dry   |           | 13.6   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| 1-Butanol                                  | < 412  | 412           |      | ug/Kg dry   |           | 412    | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| 2-Butanone                                 | < 102  | 102           |      | ug/Kg dry   |           | 102    | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| 2-Hexanone                                 | < 70.7 | 70.7          |      | ug/Kg dry   |           | 70.7   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| 4-Methyl-2-pentanone                       | < 47.6 | 47.6          |      | ug/Kg dry   |           | 47.6   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| Acetone                                    | < 176  | 176           |      | ug/Kg dry   |           | 176    | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| Acrylonitrile                              | < 50.5 | 50.5          |      | ug/Kg dry   |           | 50.5   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| Benzene                                    | < 25.0 | 25.0          |      | ug/Kg dry   |           | 10.4   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| Bromodichloromethane                       | < 25.0 | 25.0          |      | ug/Kg dry   |           | 15.5   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| Bromoform                                  | < 25.0 | 25.0          |      | ug/Kg dry   |           | 16.8   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| Carbon disulfide                           | < 25.0 | 25.0          |      | ug/Kg dry   |           | 12.6   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| Carbon tetrachloride                       | < 25.0 | 25.0          |      | ug/Kg dry   |           | 10.9   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| Chlorobenzene                              | < 25.0 | 25.0          |      | ug/Kg dry   |           | 12.0   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| Chloroform                                 | < 25.0 | 25.0          |      | ug/Kg dry   |           | 22.4   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| cis-1,2-Dichloroethene                     | < 25.0 | 25.0          |      | ug/Kg dry   |           | 24.7   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| Dibromochloromethane                       | < 25.0 | 25.0          |      | ug/Kg dry   |           | 19.6   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| Ethylbenzene                               | < 25.0 | 25.0          |      | ug/Kg dry   |           | 15.4   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| m,p-Xylene                                 | < 76.5 | 76.5          |      | ug/Kg dry   |           | 76.5   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| Methyl tert-butyl ether                    | < 25.0 | 25.0          |      | ug/Kg dry   |           | 18.0   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| Methylene chloride                         | < 42.1 | 42.1          |      | ug/Kg dry   |           | 42.1   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| o-Xylene                                   | < 25.0 | 25.0          |      | ug/Kg dry   |           | 10.6   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| Styrene                                    | < 25.0 | 25.0          |      | ug/Kg dry   |           | 15.4   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| Tetrachloroethene                          | < 25.0 | 25.0          |      | ug/Kg dry   |           | 18.6   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| Toluene                                    | < 25.0 | 25.0          |      | ug/Kg dry   |           | 14.0   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| trans-1,2-Dichloroethene                   | < 34.0 | 34.0          |      | ug/Kg dry   |           | 34.0   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| Trichloroethene                            | < 25.0 | 25.0          |      | ug/Kg dry   |           | 12.4   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| Vinyl acetate                              | < 27.6 | 27.6          |      | ug/Kg dry   |           | 27.6   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| Vinyl chloride                             | < 25.0 | 25.0          |      | ug/Kg dry   |           | 17.0   | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| Xylenes, Total                             | < 87.1 | 87.1          |      | ug/Kg dry   |           | 87.1   | 02/27/20 22:17     | B0B0988 | XN      | 50 |

## Client Sample Results

(Continued)

**Client:** United Engineering Consultants, Inc.  
**Project:** Waste Characterization  
 19006  
**Work Order:** 20B0679

**Client Sample ID:** GP-10 10-11  
**Report Date:** 03/02/2020  
**Collection Date:** 02/19/2020 11:30  
**Matrix:** Soil  
**Lab ID:** 20B0679-06 (Continued)

| Analyses  | Result | EMT Reporting |       | Qual | Units          | Reg Limit | MDL            | Date/Time Analyzed | Batch   | Analyst | DF |
|---|--------|---------------|-------|------|----------------|-----------|----------------|--------------------|---------|---------|----|
|   |        | Limit         | Limit |      |                |           |                |                    |         |         |    |
| <b>Volatile Organic Compounds by GC/MS (Continued)</b>    |        |               |       |      |                |           |                |                    |         |         |    |
| <b>Method: SW-846 8260B/WDNR: PUBL-FW-140 (Continued)</b> |        |               |       |      |                |           |                |                    |         |         |    |
| 1,2-Dichloroethene, Total                                 | < 58.6 | 58.6          |       |      | ug/Kg dry      |           | 58.6           | 02/27/20 22:17     | B0B0988 | XN      | 50 |
| Surrogate: Dibromofluoromethane                           |        |               |       |      | Recovery: 96%  |           | Limits: 78-137 | 02/27/20 22:17     | B0B0988 | XN      | 1  |
| Surrogate: 1,2-Dichloroethane-d4                          |        |               |       |      | Recovery: 104% |           | Limits: 86-137 | 02/27/20 22:17     | B0B0988 | XN      | 1  |
| Surrogate: Fluorobenzene                                  |        |               |       |      | Recovery: 102% |           | Limits: 80-120 | 02/27/20 22:17     | B0B0988 | XN      | 1  |
| Surrogate: Toluene-d8                                     |        |               |       |      | Recovery: 106% |           | Limits: 73-112 | 02/27/20 22:17     | B0B0988 | XN      | 1  |
| Surrogate: 4-Bromofluorobenzene                           |        |               |       |      | Recovery: 101% |           | Limits: 85-120 | 02/27/20 22:17     | B0B0988 | XN      | 1  |
| Surrogate: 1,2-Dichlorobenzene-d4                         |        |               |       |      | Recovery: 97%  |           | Limits: 85-128 | 02/27/20 22:17     | B0B0988 | XN      | 1  |

## Dates Report

**Client:** United Engineering Consultants, Inc.

**Report Date:** 03/02/2020

**Project:** Waste Characterization  
19006

**Work Order:** 20B0679

| Sample ID  | Client Sample ID | Collection | Matrix | Test Name                                  | Leached<br>Prep Date | Prep Date      | Analysis Date  | Batch ID | Sequence |
|------------|------------------|------------|--------|--|----------------------|----------------|----------------|----------|----------|
| 20B0679-01 | GP-9 2-3         | 02/19/20   | Soil   | Total Solids / Percent Moisture            |                      | 02/20/20 05:28 | 02/20/20 05:47 | B0B0670  |          |
|            |                  |            |        | Volatile Organic Compounds (WDNR) by GC/MS |                      | 02/27/20 10:00 | 02/27/20 20:44 | B0B0988  | S0B0437  |
| 20B0679-02 | GP-9 5-6         | 02/19/20   |        | Total Solids / Percent Moisture            |                      | 02/20/20 05:28 | 02/20/20 05:49 | B0B0670  |          |
|            |                  |            |        | Volatile Organic Compounds (WDNR) by GC/MS |                      | 02/27/20 10:00 | 02/27/20 21:07 | B0B0988  | S0B0437  |
| 20B0679-03 | GP-9 14-15       | 02/19/20   |        | Total Solids / Percent Moisture            |                      | 02/20/20 05:28 | 02/20/20 05:51 | B0B0670  |          |
|            |                  |            |        | Volatile Organic Compounds (WDNR) by GC/MS |                      | 02/28/20 10:00 | 02/28/20 14:17 | B0B1015  | S0B0446  |
| 20B0679-04 | GP-10 2-3        | 02/19/20   |        | Total Solids / Percent Moisture            |                      | 02/20/20 05:28 | 02/20/20 05:53 | B0B0670  |          |
|            |                  |            |        | Volatile Organic Compounds (WDNR) by GC/MS |                      | 02/27/20 10:00 | 02/27/20 21:30 | B0B0988  | S0B0437  |
| 20B0679-05 | GP-10 6-7        | 02/19/20   |        | Total Solids / Percent Moisture            |                      | 02/20/20 05:28 | 02/20/20 05:55 | B0B0670  |          |
|            |                  |            |        | Volatile Organic Compounds (WDNR) by GC/MS |                      | 02/27/20 10:00 | 02/27/20 21:54 | B0B0988  | S0B0437  |
| 20B0679-06 | GP-10 10-11      | 02/19/20   |        | Total Solids / Percent Moisture            |                      | 02/20/20 05:28 | 02/20/20 05:57 | B0B0670  |          |
|            |                  |            |        | Volatile Organic Compounds (WDNR) by GC/MS |                      | 02/27/20 10:00 | 02/27/20 22:17 | B0B0988  | S0B0437  |

### Quality Control

**Client:** United Engineering Consultants, Inc.  
**Project:** Waste Characterization  
 19006  
**Work Order:** 20B0679

**Report Date:** 03/02/2020  
**Matrix:** Solid

### Wet Chemistry

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Qual | DF |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|------|----|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|------|----|

#### Batch: B0B0670

##### Blank (B0B0670-BLK1)

Prepared: 02/20/2020 05:28 Analyzed: 02/20/2020 06:25

|              |          |       |   |  |  |  |  |  |  |  |   |
|--------------|----------|-------|---|--|--|--|--|--|--|--|---|
| Total Solids | < 0.0240 | 0.100 | % |  |  |  |  |  |  |  | 1 |
|--------------|----------|-------|---|--|--|--|--|--|--|--|---|

##### LCS (B0B0670-BS1)

Prepared: 02/20/2020 05:28 Analyzed: 02/20/2020 06:27

|              |       |       |   |        |  |      |          |  |  |  |   |
|--------------|-------|-------|---|--------|--|------|----------|--|--|--|---|
| Total Solids | 0.185 | 0.100 | % | 0.2052 |  | 90.0 | 88.2-102 |  |  |  | 1 |
|--------------|-------|-------|---|--------|--|------|----------|--|--|--|---|

##### Duplicate (B0B0670-DUP1)

Source: 20B0679-06

Prepared: 02/20/2020 05:28 Analyzed: 02/20/2020 06:29

|              |      |       |   |  |      |  |  |        |   |  |   |
|--------------|------|-------|---|--|------|--|--|--------|---|--|---|
| Total Solids | 87.4 | 0.100 | % |  | 87.5 |  |  | 0.0580 | 5 |  | 1 |
|--------------|------|-------|---|--|------|--|--|--------|---|--|---|

##### Duplicate (B0B0670-DUP2)

Source: 20B0684-12

Prepared: 02/20/2020 05:28 Analyzed: 02/20/2020 06:31

|              |      |       |   |  |      |  |  |       |   |  |   |
|--------------|------|-------|---|--|------|--|--|-------|---|--|---|
| Total Solids | 92.1 | 0.100 | % |  | 91.7 |  |  | 0.417 | 5 |  | 1 |
|--------------|------|-------|---|--|------|--|--|-------|---|--|---|

**Quality Control**

(Continued)

**Client:** United Engineering Consultants, Inc.**Report Date:** 03/02/2020**Project:** Waste Characterization  
19006**Matrix:** Solid**Work Order:** 20B0679**Volatile Organic Compounds by GC/MS**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Qual | DF |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|------|----|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|------|----|

**Batch: B0B0988****Blank (B0B0988-BLK1)**

Prepared: 02/27/2020 11:20 Analyzed: 02/27/2020 13:35

|                                  |        |      |           |       |  |     |        |  |  |  |   |
|----------------------------------|--------|------|-----------|-------|--|-----|--------|--|--|--|---|
| 1,1,1-Trichloroethane            | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| 1,1,2,2-Tetrachloroethane        | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| 1,1,2-Trichloroethane            | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| 1,1-Dichloroethane               | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| 1,1-Dichloroethene               | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| 1,2,4-Trimethylbenzene           | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| 1,2-Dibromo-3-chloropropane      | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| 1,2-Dibromoethane                | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| 1,2-Dichloroethane               | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| 1,2-Dichloropropane              | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| 1,3,5-Trimethylbenzene           | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| 1-Butanol                        | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| 2-Butanone                       | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| 2-Hexanone                       | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| 4-Methyl-2-pentanone             | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Acetone                          | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Acrylonitrile                    | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Benzene                          | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Bromodichloromethane             | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Bromoform                        | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Carbon disulfide                 | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Carbon tetrachloride             | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Chlorobenzene                    | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Chloroform                       | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| cis-1,2-Dichloroethene           | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Dibromochloromethane             | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Ethylbenzene                     | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| m,p-Xylene                       | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Methyl tert-butyl ether          | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Methylene chloride               | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| o-Xylene                         | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Styrene                          | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Tetrachloroethene                | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Toluene                          | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| trans-1,2-Dichloroethene         | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Trichloroethene                  | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Vinyl acetate                    | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Vinyl chloride                   | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Xylenes, Total                   | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| 1,2-Dichloroethene, Total        | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| -----                            |        |      |           |       |  |     |        |  |  |  |   |
| Surrogate: Dibromofluoromethane  | 19.5   |      | ug/Kg     | 20.00 |  | 97  | 78-137 |  |  |  | 1 |
| Surrogate: 1,2-Dichloroethane-d4 | 21.4   |      | ug/Kg     | 20.00 |  | 107 | 86-137 |  |  |  | 1 |

**Quality Control**

(Continued)

**Client:** United Engineering Consultants, Inc.**Report Date:** 03/02/2020**Project:** Waste Characterization  
19006**Matrix:** Solid**Work Order:** 20B0679**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: B0B0988 (Continued)****Blank (B0B0988-BLK1) (Continued)**

Prepared: 02/27/2020 11:20 Analyzed: 02/27/2020 13:35

|                                   |      |  |       |       |  |     |        |  |  |  |   |
|-----------------------------------|------|--|-------|-------|--|-----|--------|--|--|--|---|
| Surrogate: Fluorobenzene          | 20.2 |  | ug/Kg | 20.00 |  | 101 | 80-120 |  |  |  | 1 |
| Surrogate: Toluene-d8             | 20.5 |  | ug/Kg | 20.00 |  | 102 | 73-112 |  |  |  | 1 |
| Surrogate: 4-Bromofluorobenzene   | 10.8 |  | ug/Kg | 10.00 |  | 108 | 85-120 |  |  |  | 1 |
| Surrogate: 1,2-Dichlorobenzene-d4 | 19.8 |  | ug/Kg | 20.00 |  | 99  | 85-128 |  |  |  | 1 |

**LCS (B0B0988-BS1)**

Prepared: 02/27/2020 11:20 Analyzed: 02/27/2020 11:38

|                             |      |      |           |       |  |     |        |  |  |  |   |
|-----------------------------|------|------|-----------|-------|--|-----|--------|--|--|--|---|
| 1,1,1-Trichloroethane       | 43.4 | 4.00 | ug/Kg wet | 40.00 |  | 108 | 55-145 |  |  |  | 1 |
| 1,1,1,2,2-Tetrachloroethane | 40.8 | 4.00 | ug/Kg wet | 40.00 |  | 102 | 40-145 |  |  |  | 1 |
| 1,1,1,2-Trichloroethane     | 40.2 | 4.00 | ug/Kg wet | 40.00 |  | 100 | 50-140 |  |  |  | 1 |
| 1,1-Dichloroethane          | 47.3 | 4.00 | ug/Kg wet | 40.00 |  | 118 | 65-135 |  |  |  | 1 |
| 1,1-Dichloroethene          | 46.6 | 4.00 | ug/Kg wet | 40.00 |  | 116 | 55-150 |  |  |  | 1 |
| 1,2,4-Trimethylbenzene      | 40.7 | 2.00 | ug/Kg wet | 40.00 |  | 102 | 55-145 |  |  |  | 1 |
| 1,2-Dibromo-3-chloropropane | 37.1 | 4.00 | ug/Kg wet | 40.00 |  | 93  | 25-150 |  |  |  | 1 |
| 1,2-Dibromoethane           | 39.8 | 2.00 | ug/Kg wet | 40.00 |  | 100 | 60-135 |  |  |  | 1 |
| 1,2-Dichloroethane          | 45.0 | 1.00 | ug/Kg wet | 40.00 |  | 112 | 60-145 |  |  |  | 1 |
| 1,2-Dichloropropane         | 42.2 | 2.00 | ug/Kg wet | 40.00 |  | 106 | 65-125 |  |  |  | 1 |
| 1,3,5-Trimethylbenzene      | 40.7 | 2.00 | ug/Kg wet | 40.00 |  | 102 | 55-145 |  |  |  | 1 |
| 1-Butanol                   | 329  | 72.0 | ug/Kg wet | 400.0 |  | 82  | 70-130 |  |  |  | 1 |
| 2-Butanone                  | 152  | 14.0 | ug/Kg wet | 140.0 |  | 108 | 10-180 |  |  |  | 1 |
| 2-Hexanone                  | 149  | 7.00 | ug/Kg wet | 140.0 |  | 107 | 30-160 |  |  |  | 1 |
| 4-Methyl-2-pentanone        | 146  | 7.00 | ug/Kg wet | 140.0 |  | 104 | 30-165 |  |  |  | 1 |
| Acetone                     | 157  | 35.0 | ug/Kg wet | 140.0 |  | 112 | 10-180 |  |  |  | 1 |
| Acrylonitrile               | 42.3 | 8.00 | ug/Kg wet | 40.00 |  | 106 | 70-130 |  |  |  | 1 |
| Benzene                     | 42.9 | 2.00 | ug/Kg wet | 40.00 |  | 107 | 65-135 |  |  |  | 1 |
| Bromodichloromethane        | 38.6 | 2.00 | ug/Kg wet | 40.00 |  | 96  | 60-135 |  |  |  | 1 |
| Bromoform                   | 35.1 | 2.00 | ug/Kg wet | 40.00 |  | 88  | 45-150 |  |  |  | 1 |
| Carbon disulfide            | 44.6 | 2.00 | ug/Kg wet | 40.00 |  | 111 | 30-180 |  |  |  | 1 |
| Carbon tetrachloride        | 42.4 | 2.00 | ug/Kg wet | 40.00 |  | 106 | 55-145 |  |  |  | 1 |
| Chlorobenzene               | 40.6 | 2.00 | ug/Kg wet | 40.00 |  | 102 | 65-130 |  |  |  | 1 |
| Chloroform                  | 42.8 | 2.00 | ug/Kg wet | 40.00 |  | 107 | 65-135 |  |  |  | 1 |
| cis-1,2-Dichloroethene      | 42.6 | 4.00 | ug/Kg wet | 40.00 |  | 106 | 55-135 |  |  |  | 1 |
| Dibromochloromethane        | 37.2 | 4.00 | ug/Kg wet | 40.00 |  | 93  | 55-140 |  |  |  | 1 |
| Ethylbenzene                | 41.4 | 2.00 | ug/Kg wet | 40.00 |  | 104 | 65-135 |  |  |  | 1 |
| m,p-Xylene                  | 84.5 | 8.00 | ug/Kg wet | 80.00 |  | 106 | 70-135 |  |  |  | 1 |
| Methyl tert-butyl ether     | 42.5 | 2.00 | ug/Kg wet | 40.00 |  | 106 | 70-130 |  |  |  | 1 |
| Methylene chloride          | 44.8 | 4.00 | ug/Kg wet | 40.00 |  | 112 | 40-155 |  |  |  | 1 |
| o-Xylene                    | 42.4 | 2.00 | ug/Kg wet | 40.00 |  | 106 | 70-135 |  |  |  | 1 |
| Styrene                     | 40.1 | 2.00 | ug/Kg wet | 40.00 |  | 100 | 65-135 |  |  |  | 1 |
| Tetrachloroethene           | 38.1 | 2.00 | ug/Kg wet | 40.00 |  | 95  | 55-150 |  |  |  | 1 |
| Toluene                     | 41.6 | 2.00 | ug/Kg wet | 40.00 |  | 104 | 60-135 |  |  |  | 1 |
| trans-1,2-Dichloroethene    | 44.3 | 4.00 | ug/Kg wet | 40.00 |  | 111 | 55-145 |  |  |  | 1 |
| Trichloroethene             | 42.3 | 2.00 | ug/Kg wet | 40.00 |  | 106 | 70-130 |  |  |  | 1 |



**Quality Control**

(Continued)

**Client:** United Engineering Consultants, Inc.**Report Date:** 03/02/2020**Project:** Waste Characterization  
19006**Matrix:** Solid**Work Order:** 20B0679**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: B0B0988 (Continued)****LCS (B0B0988-BS1) (Continued)**

Prepared: 02/27/2020 11:20 Analyzed: 02/27/2020 11:38

|  |      |      |           |       |  |     |        |  |  |  |   |
|--|------|------|-----------|-------|--|-----|--------|--|--|--|---|
| Vinyl acetate                            | 43.9 | 4.00 | ug/Kg wet | 40.00 |  | 110 | 50-150 |  |  |  | 1 |
| Vinyl chloride                           | 45.0 | 2.00 | ug/Kg wet | 40.00 |  | 113 | 45-140 |  |  |  | 1 |
| Xylenes, Total                           | 127  | 10.0 | ug/Kg wet | 120.0 |  | 106 | 70-135 |  |  |  | 1 |
| 1,2-Dichloroethene, Total                | 86.9 | 8.00 | ug/Kg wet | 80.00 |  | 109 | 55-135 |  |  |  | 1 |
| <i>Surrogate: Dibromofluoromethane</i>   | 21.6 |      | ug/Kg     | 20.00 |  | 108 | 78-137 |  |  |  | 1 |
| <i>Surrogate: 1,2-Dichloroethane-d4</i>  | 22.0 |      | ug/Kg     | 20.00 |  | 110 | 86-137 |  |  |  | 1 |
| <i>Surrogate: Fluorobenzene</i>          | 20.6 |      | ug/Kg     | 20.00 |  | 103 | 80-120 |  |  |  | 1 |
| <i>Surrogate: Toluene-d8</i>             | 19.7 |      | ug/Kg     | 20.00 |  | 99  | 73-112 |  |  |  | 1 |
| <i>Surrogate: 4-Bromofluorobenzene</i>   | 9.77 |      | ug/Kg     | 10.00 |  | 98  | 85-120 |  |  |  | 1 |
| <i>Surrogate: 1,2-Dichlorobenzene-d4</i> | 20.0 |      | ug/Kg     | 20.00 |  | 100 | 85-128 |  |  |  | 1 |

**LCS Dup (B0B0988-BSD1)**

Prepared: 02/27/2020 11:20 Analyzed: 02/27/2020 12:01

|                             |      |      |           |       |  |     |        |     |    |  |   |
|-----------------------------|------|------|-----------|-------|--|-----|--------|-----|----|--|---|
| 1,1,1-Trichloroethane       | 41.0 | 4.00 | ug/Kg wet | 40.00 |  | 102 | 55-145 | 6   | 20 |  | 1 |
| 1,1,2,2-Tetrachloroethane   | 42.5 | 4.00 | ug/Kg wet | 40.00 |  | 106 | 40-145 | 4   | 20 |  | 1 |
| 1,1,2-Trichloroethane       | 39.8 | 4.00 | ug/Kg wet | 40.00 |  | 99  | 50-140 | 1   | 20 |  | 1 |
| 1,1-Dichloroethane          | 44.6 | 4.00 | ug/Kg wet | 40.00 |  | 112 | 65-135 | 6   | 20 |  | 1 |
| 1,1-Dichloroethene          | 49.5 | 4.00 | ug/Kg wet | 40.00 |  | 124 | 55-150 | 6   | 20 |  | 1 |
| 1,2,4-Trimethylbenzene      | 39.5 | 2.00 | ug/Kg wet | 40.00 |  | 99  | 55-145 | 3   | 20 |  | 1 |
| 1,2-Dibromo-3-chloropropane | 35.4 | 4.00 | ug/Kg wet | 40.00 |  | 88  | 25-150 | 5   | 20 |  | 1 |
| 1,2-Dibromoethane           | 40.2 | 2.00 | ug/Kg wet | 40.00 |  | 100 | 60-135 | 0.8 | 20 |  | 1 |
| 1,2-Dichloroethane          | 44.7 | 1.00 | ug/Kg wet | 40.00 |  | 112 | 60-145 | 0.5 | 20 |  | 1 |
| 1,2-Dichloropropane         | 41.5 | 2.00 | ug/Kg wet | 40.00 |  | 104 | 65-125 | 2   | 20 |  | 1 |
| 1,3,5-Trimethylbenzene      | 39.9 | 2.00 | ug/Kg wet | 40.00 |  | 100 | 55-145 | 2   | 20 |  | 1 |
| 1-Butanol                   | 289  | 72.0 | ug/Kg wet | 400.0 |  | 72  | 70-130 | 13  | 20 |  | 1 |
| 2-Butanone                  | 147  | 14.0 | ug/Kg wet | 140.0 |  | 105 | 10-180 | 3   | 20 |  | 1 |
| 2-Hexanone                  | 142  | 7.00 | ug/Kg wet | 140.0 |  | 102 | 30-160 | 5   | 20 |  | 1 |
| 4-Methyl-2-pentanone        | 138  | 7.00 | ug/Kg wet | 140.0 |  | 99  | 30-165 | 5   | 20 |  | 1 |
| Acetone                     | 154  | 35.0 | ug/Kg wet | 140.0 |  | 110 | 10-180 | 2   | 20 |  | 1 |
| Acrylonitrile               | 41.1 | 8.00 | ug/Kg wet | 40.00 |  | 103 | 70-130 | 3   | 20 |  | 1 |
| Benzene                     | 41.4 | 2.00 | ug/Kg wet | 40.00 |  | 104 | 65-135 | 4   | 20 |  | 1 |
| Bromodichloromethane        | 38.1 | 2.00 | ug/Kg wet | 40.00 |  | 95  | 60-135 | 1   | 20 |  | 1 |
| Bromoform                   | 34.6 | 2.00 | ug/Kg wet | 40.00 |  | 86  | 45-150 | 2   | 20 |  | 1 |
| Carbon disulfide            | 41.5 | 2.00 | ug/Kg wet | 40.00 |  | 104 | 30-180 | 7   | 20 |  | 1 |
| Carbon tetrachloride        | 42.1 | 2.00 | ug/Kg wet | 40.00 |  | 105 | 55-145 | 0.8 | 20 |  | 1 |
| Chlorobenzene               | 39.3 | 2.00 | ug/Kg wet | 40.00 |  | 98  | 65-130 | 3   | 20 |  | 1 |
| Chloroform                  | 43.2 | 2.00 | ug/Kg wet | 40.00 |  | 108 | 65-135 | 0.9 | 20 |  | 1 |
| cis-1,2-Dichloroethene      | 42.8 | 4.00 | ug/Kg wet | 40.00 |  | 107 | 55-135 | 0.6 | 20 |  | 1 |
| Dibromochloromethane        | 37.6 | 4.00 | ug/Kg wet | 40.00 |  | 94  | 55-140 | 1   | 20 |  | 1 |
| Ethylbenzene                | 39.3 | 2.00 | ug/Kg wet | 40.00 |  | 98  | 65-135 | 5   | 20 |  | 1 |
| m,p-Xylene                  | 77.7 | 8.00 | ug/Kg wet | 80.00 |  | 97  | 70-135 | 8   | 20 |  | 1 |
| Methyl tert-butyl ether     | 42.3 | 2.00 | ug/Kg wet | 40.00 |  | 106 | 70-130 | 0.5 | 20 |  | 1 |
| Methylene chloride          | 41.1 | 4.00 | ug/Kg wet | 40.00 |  | 103 | 40-155 | 9   | 20 |  | 1 |

**Quality Control**

(Continued)

**Client:** United Engineering Consultants, Inc.**Report Date:** 03/02/2020**Project:** Waste Characterization  
19006**Matrix:** Solid**Work Order:** 20B0679**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: B0B0988 (Continued)****LCS Dup (B0B0988-BSD1) (Continued)**

Prepared: 02/27/2020 11:20 Analyzed: 02/27/2020 12:01

|                                   |      |      |           |       |  |     |        |     |    |  |   |
|-----------------------------------|------|------|-----------|-------|--|-----|--------|-----|----|--|---|
| o-Xylene                          | 41.1 | 2.00 | ug/Kg wet | 40.00 |  | 103 | 70-135 | 3   | 20 |  | 1 |
| Styrene                           | 37.2 | 2.00 | ug/Kg wet | 40.00 |  | 93  | 65-135 | 7   | 20 |  | 1 |
| Tetrachloroethene                 | 38.7 | 2.00 | ug/Kg wet | 40.00 |  | 97  | 55-150 | 1   | 20 |  | 1 |
| Toluene                           | 41.2 | 2.00 | ug/Kg wet | 40.00 |  | 103 | 60-135 | 0.7 | 20 |  | 1 |
| trans-1,2-Dichloroethene          | 44.6 | 4.00 | ug/Kg wet | 40.00 |  | 111 | 55-145 | 0.5 | 20 |  | 1 |
| Trichloroethene                   | 41.6 | 2.00 | ug/Kg wet | 40.00 |  | 104 | 70-130 | 2   | 20 |  | 1 |
| Vinyl acetate                     | 44.0 | 4.00 | ug/Kg wet | 40.00 |  | 110 | 50-150 | 0.3 | 20 |  | 1 |
| Vinyl chloride                    | 39.5 | 2.00 | ug/Kg wet | 40.00 |  | 99  | 45-140 | 13  | 20 |  | 1 |
| Xylenes, Total                    | 119  | 10.0 | ug/Kg wet | 120.0 |  | 99  | 70-135 | 7   | 20 |  | 1 |
| 1,2-Dichloroethene, Total         | 87.4 | 8.00 | ug/Kg wet | 80.00 |  | 109 | 55-135 | 0.5 | 20 |  | 1 |
| Surrogate: Dibromofluoromethane   | 21.9 |      | ug/Kg     | 20.00 |  | 110 | 78-137 |     |    |  | 1 |
| Surrogate: 1,2-Dichloroethane-d4  | 21.9 |      | ug/Kg     | 20.00 |  | 109 | 86-137 |     |    |  | 1 |
| Surrogate: Fluorobenzene          | 20.0 |      | ug/Kg     | 20.00 |  | 100 | 80-120 |     |    |  | 1 |
| Surrogate: Toluene-d8             | 20.3 |      | ug/Kg     | 20.00 |  | 101 | 73-112 |     |    |  | 1 |
| Surrogate: 4-Bromofluorobenzene   | 10.3 |      | ug/Kg     | 10.00 |  | 103 | 85-120 |     |    |  | 1 |
| Surrogate: 1,2-Dichlorobenzene-d4 | 20.0 |      | ug/Kg     | 20.00 |  | 100 | 85-128 |     |    |  | 1 |

**Batch: B0B1015****Blank (B0B1015-BLK1)**

Prepared: 02/28/2020 10:00 Analyzed: 02/28/2020 13:37

|                             |        |      |           |  |  |  |  |  |  |  |   |
|-----------------------------|--------|------|-----------|--|--|--|--|--|--|--|---|
| 1,1,1-Trichloroethane       | < 25.0 | 25.0 | ug/Kg wet |  |  |  |  |  |  |  | 1 |
| 1,1,2,2-Tetrachloroethane   | < 25.0 | 25.0 | ug/Kg wet |  |  |  |  |  |  |  | 1 |
| 1,1,2-Trichloroethane       | < 25.0 | 25.0 | ug/Kg wet |  |  |  |  |  |  |  | 1 |
| 1,1-Dichloroethane          | < 25.0 | 25.0 | ug/Kg wet |  |  |  |  |  |  |  | 1 |
| 1,1-Dichloroethene          | < 25.0 | 25.0 | ug/Kg wet |  |  |  |  |  |  |  | 1 |
| 1,2,4-Trimethylbenzene      | < 25.0 | 25.0 | ug/Kg wet |  |  |  |  |  |  |  | 1 |
| 1,2-Dibromo-3-chloropropane | < 25.0 | 25.0 | ug/Kg wet |  |  |  |  |  |  |  | 1 |
| 1,2-Dibromoethane           | < 25.0 | 25.0 | ug/Kg wet |  |  |  |  |  |  |  | 1 |
| 1,2-Dichloroethane          | < 25.0 | 25.0 | ug/Kg wet |  |  |  |  |  |  |  | 1 |
| 1,2-Dichloropropane         | < 25.0 | 25.0 | ug/Kg wet |  |  |  |  |  |  |  | 1 |
| 1,3,5-Trimethylbenzene      | < 25.0 | 25.0 | ug/Kg wet |  |  |  |  |  |  |  | 1 |
| 1-Butanol                   | < 25.0 | 25.0 | ug/Kg wet |  |  |  |  |  |  |  | 1 |
| 2-Butanone                  | < 25.0 | 25.0 | ug/Kg wet |  |  |  |  |  |  |  | 1 |
| 2-Hexanone                  | < 25.0 | 25.0 | ug/Kg wet |  |  |  |  |  |  |  | 1 |
| 4-Methyl-2-pentanone        | < 25.0 | 25.0 | ug/Kg wet |  |  |  |  |  |  |  | 1 |
| Acetone                     | < 25.0 | 25.0 | ug/Kg wet |  |  |  |  |  |  |  | 1 |
| Acrylonitrile               | < 25.0 | 25.0 | ug/Kg wet |  |  |  |  |  |  |  | 1 |
| Benzene                     | < 25.0 | 25.0 | ug/Kg wet |  |  |  |  |  |  |  | 1 |
| Bromodichloromethane        | < 25.0 | 25.0 | ug/Kg wet |  |  |  |  |  |  |  | 1 |
| Bromoform                   | < 25.0 | 25.0 | ug/Kg wet |  |  |  |  |  |  |  | 1 |
| Carbon disulfide            | < 25.0 | 25.0 | ug/Kg wet |  |  |  |  |  |  |  | 1 |
| Carbon tetrachloride        | < 25.0 | 25.0 | ug/Kg wet |  |  |  |  |  |  |  | 1 |

**Quality Control**

(Continued)

**Client:** United Engineering Consultants, Inc.**Report Date:** 03/02/2020**Project:** Waste Characterization  
19006**Matrix:** Solid**Work Order:** 20B0679**Volatile Organic Compounds by GC/MS**

(Continued)

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Qual | DF |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|------|----|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|------|----|

**Batch: B0B1015 (Continued)****Blank (B0B1015-BLK1) (Continued)**

Prepared: 02/28/2020 10:00 Analyzed: 02/28/2020 13:37

|                                   |        |      |           |       |  |     |        |  |  |  |   |
|-----------------------------------|--------|------|-----------|-------|--|-----|--------|--|--|--|---|
| Chlorobenzene                     | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Chloroform                        | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| cis-1,2-Dichloroethene            | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Dibromochloromethane              | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Ethylbenzene                      | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| m,p-Xylene                        | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Methyl tert-butyl ether           | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Methylene chloride                | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| o-Xylene                          | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Styrene                           | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Tetrachloroethene                 | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Toluene                           | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| trans-1,2-Dichloroethene          | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Trichloroethene                   | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Vinyl acetate                     | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Vinyl chloride                    | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| Xylenes, Total                    | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| 1,2-Dichloroethene, Total         | < 25.0 | 25.0 | ug/Kg wet |       |  |     |        |  |  |  | 1 |
| <hr/>                             |        |      |           |       |  |     |        |  |  |  |   |
| Surrogate: Dibromofluoromethane   | 18.1   |      | ug/Kg     | 20.00 |  | 91  | 78-137 |  |  |  | 1 |
| Surrogate: 1,2-Dichloroethane-d4  | 20.7   |      | ug/Kg     | 20.00 |  | 104 | 86-137 |  |  |  | 1 |
| Surrogate: Fluorobenzene          | 19.8   |      | ug/Kg     | 20.00 |  | 99  | 80-120 |  |  |  | 1 |
| Surrogate: Toluene-d8             | 19.8   |      | ug/Kg     | 20.00 |  | 99  | 73-112 |  |  |  | 1 |
| Surrogate: 4-Bromofluorobenzene   | 10.1   |      | ug/Kg     | 10.00 |  | 101 | 85-120 |  |  |  | 1 |
| Surrogate: 1,2-Dichlorobenzene-d4 | 20.0   |      | ug/Kg     | 20.00 |  | 100 | 85-128 |  |  |  | 1 |

**LCS (B0B1015-BS1)**

Prepared: 02/28/2020 10:00 Analyzed: 02/28/2020 12:50

|                             |      |      |           |       |  |     |        |  |  |  |   |
|-----------------------------|------|------|-----------|-------|--|-----|--------|--|--|--|---|
| 1,1,1-Trichloroethane       | 48.5 | 25.0 | ug/Kg wet | 40.00 |  | 121 | 55-145 |  |  |  | 1 |
| 1,1,1,2-Tetrachloroethane   | 39.4 | 25.0 | ug/Kg wet | 40.00 |  | 98  | 40-145 |  |  |  | 1 |
| 1,1,2-Trichloroethane       | 39.4 | 25.0 | ug/Kg wet | 40.00 |  | 98  | 50-140 |  |  |  | 1 |
| 1,1-Dichloroethane          | 49.1 | 25.0 | ug/Kg wet | 40.00 |  | 123 | 65-135 |  |  |  | 1 |
| 1,1-Dichloroethene          | 58.4 | 25.0 | ug/Kg wet | 40.00 |  | 146 | 55-150 |  |  |  | 1 |
| 1,2,4-Trimethylbenzene      | 42.5 | 25.0 | ug/Kg wet | 40.00 |  | 106 | 55-145 |  |  |  | 1 |
| 1,2-Dibromo-3-chloropropane | 37.5 | 25.0 | ug/Kg wet | 40.00 |  | 94  | 25-150 |  |  |  | 1 |
| 1,2-Dibromoethane           | 41.3 | 25.0 | ug/Kg wet | 40.00 |  | 103 | 60-135 |  |  |  | 1 |
| 1,2-Dichloroethane          | 44.2 | 25.0 | ug/Kg wet | 40.00 |  | 111 | 60-145 |  |  |  | 1 |
| 1,2-Dichloropropane         | 44.8 | 25.0 | ug/Kg wet | 40.00 |  | 112 | 65-125 |  |  |  | 1 |
| 1,3,5-Trimethylbenzene      | 43.1 | 25.0 | ug/Kg wet | 40.00 |  | 108 | 55-145 |  |  |  | 1 |
| 1-Butanol                   | 303  | 25.0 | ug/Kg wet | 400.0 |  | 76  | 70-130 |  |  |  | 1 |
| 2-Butanone                  | 157  | 25.0 | ug/Kg wet | 140.0 |  | 112 | 10-180 |  |  |  | 1 |
| 2-Hexanone                  | 149  | 25.0 | ug/Kg wet | 140.0 |  | 107 | 30-160 |  |  |  | 1 |
| 4-Methyl-2-pentanone        | 143  | 25.0 | ug/Kg wet | 140.0 |  | 102 | 30-165 |  |  |  | 1 |
| Acetone                     | 161  | 25.0 | ug/Kg wet | 140.0 |  | 115 | 10-180 |  |  |  | 1 |

**Quality Control**

(Continued)

**Client:** United Engineering Consultants, Inc.**Report Date:** 03/02/2020**Project:** Waste Characterization  
19006**Matrix:** Solid**Work Order:** 20B0679**Volatile Organic Compounds by GC/MS**

(Continued)

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Qual | DF |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|------|----|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|------|----|

**Batch: B0B1015 (Continued)****LCS (B0B1015-BS1) (Continued)**

Prepared: 02/28/2020 10:00 Analyzed: 02/28/2020 12:50

|                                   |      |      |           |       |  |     |        |  |  |  |   |
|-----------------------------------|------|------|-----------|-------|--|-----|--------|--|--|--|---|
| Acrylonitrile                     | 39.4 | 25.0 | ug/Kg wet | 40.00 |  | 99  | 70-130 |  |  |  | 1 |
| Benzene                           | 44.5 | 25.0 | ug/Kg wet | 40.00 |  | 111 | 65-135 |  |  |  | 1 |
| Bromodichloromethane              | 39.9 | 25.0 | ug/Kg wet | 40.00 |  | 100 | 60-135 |  |  |  | 1 |
| Bromoform                         | 36.2 | 25.0 | ug/Kg wet | 40.00 |  | 91  | 45-150 |  |  |  | 1 |
| Carbon disulfide                  | 49.1 | 25.0 | ug/Kg wet | 40.00 |  | 123 | 30-180 |  |  |  | 1 |
| Carbon tetrachloride              | 50.2 | 25.0 | ug/Kg wet | 40.00 |  | 125 | 55-145 |  |  |  | 1 |
| Chlorobenzene                     | 43.9 | 25.0 | ug/Kg wet | 40.00 |  | 110 | 65-130 |  |  |  | 1 |
| Chloroform                        | 45.7 | 25.0 | ug/Kg wet | 40.00 |  | 114 | 65-135 |  |  |  | 1 |
| cis-1,2-Dichloroethene            | 45.2 | 25.0 | ug/Kg wet | 40.00 |  | 113 | 55-135 |  |  |  | 1 |
| Dibromochloromethane              | 37.8 | 25.0 | ug/Kg wet | 40.00 |  | 95  | 55-140 |  |  |  | 1 |
| Ethylbenzene                      | 45.1 | 25.0 | ug/Kg wet | 40.00 |  | 113 | 65-135 |  |  |  | 1 |
| m,p-Xylene                        | 90.6 | 25.0 | ug/Kg wet | 80.00 |  | 113 | 70-135 |  |  |  | 1 |
| Methyl tert-butyl ether           | 41.9 | 25.0 | ug/Kg wet | 40.00 |  | 105 | 70-130 |  |  |  | 1 |
| Methylene chloride                | 41.6 | 25.0 | ug/Kg wet | 40.00 |  | 104 | 40-155 |  |  |  | 1 |
| o-Xylene                          | 43.0 | 25.0 | ug/Kg wet | 40.00 |  | 108 | 70-135 |  |  |  | 1 |
| Styrene                           | 42.2 | 25.0 | ug/Kg wet | 40.00 |  | 105 | 65-135 |  |  |  | 1 |
| Tetrachloroethene                 | 44.2 | 25.0 | ug/Kg wet | 40.00 |  | 111 | 55-150 |  |  |  | 1 |
| Toluene                           | 45.6 | 25.0 | ug/Kg wet | 40.00 |  | 114 | 60-135 |  |  |  | 1 |
| trans-1,2-Dichloroethene          | 50.2 | 25.0 | ug/Kg wet | 40.00 |  | 125 | 55-145 |  |  |  | 1 |
| Trichloroethene                   | 47.7 | 25.0 | ug/Kg wet | 40.00 |  | 119 | 70-130 |  |  |  | 1 |
| Vinyl acetate                     | 44.0 | 25.0 | ug/Kg wet | 40.00 |  | 110 | 50-150 |  |  |  | 1 |
| Vinyl chloride                    | 49.9 | 25.0 | ug/Kg wet | 40.00 |  | 125 | 45-140 |  |  |  | 1 |
| Xylenes, Total                    | 134  | 25.0 | ug/Kg wet | 120.0 |  | 111 | 70-135 |  |  |  | 1 |
| 1,2-Dichloroethene, Total         | 95.4 | 25.0 | ug/Kg wet | 80.00 |  | 119 | 55-135 |  |  |  | 1 |
| <hr/>                             |      |      |           |       |  |     |        |  |  |  |   |
| Surrogate: Dibromofluoromethane   | 22.3 |      | ug/Kg     | 20.00 |  | 112 | 78-137 |  |  |  | 1 |
| Surrogate: 1,2-Dichloroethane-d4  | 21.8 |      | ug/Kg     | 20.00 |  | 109 | 86-137 |  |  |  | 1 |
| Surrogate: Fluorobenzene          | 19.8 |      | ug/Kg     | 20.00 |  | 99  | 80-120 |  |  |  | 1 |
| Surrogate: Toluene-d8             | 20.2 |      | ug/Kg     | 20.00 |  | 101 | 73-112 |  |  |  | 1 |
| Surrogate: 4-Bromofluorobenzene   | 9.87 |      | ug/Kg     | 10.00 |  | 99  | 85-120 |  |  |  | 1 |
| Surrogate: 1,2-Dichlorobenzene-d4 | 18.7 |      | ug/Kg     | 20.00 |  | 94  | 85-128 |  |  |  | 1 |

**LCS Dup (B0B1015-BSD1)**

Prepared: 02/28/2020 10:00 Analyzed: 02/28/2020 13:14

|                             |      |      |           |       |  |     |        |   |    |  |   |
|-----------------------------|------|------|-----------|-------|--|-----|--------|---|----|--|---|
| 1,1,1-Trichloroethane       | 46.7 | 25.0 | ug/Kg wet | 40.00 |  | 117 | 55-145 | 4 | 20 |  | 1 |
| 1,1,2,2-Tetrachloroethane   | 41.4 | 25.0 | ug/Kg wet | 40.00 |  | 103 | 40-145 | 5 | 20 |  | 1 |
| 1,1,2-Trichloroethane       | 38.9 | 25.0 | ug/Kg wet | 40.00 |  | 97  | 50-140 | 1 | 20 |  | 1 |
| 1,1-Dichloroethane          | 48.5 | 25.0 | ug/Kg wet | 40.00 |  | 121 | 65-135 | 1 | 20 |  | 1 |
| 1,1-Dichloroethene          | 57.4 | 25.0 | ug/Kg wet | 40.00 |  | 143 | 55-150 | 2 | 20 |  | 1 |
| 1,2,4-Trimethylbenzene      | 43.1 | 25.0 | ug/Kg wet | 40.00 |  | 108 | 55-145 | 2 | 20 |  | 1 |
| 1,2-Dibromo-3-chloropropane | 39.5 | 25.0 | ug/Kg wet | 40.00 |  | 99  | 25-150 | 5 | 20 |  | 1 |
| 1,2-Dibromoethane           | 40.2 | 25.0 | ug/Kg wet | 40.00 |  | 100 | 60-135 | 3 | 20 |  | 1 |
| 1,2-Dichloroethane          | 43.6 | 25.0 | ug/Kg wet | 40.00 |  | 109 | 60-145 | 2 | 20 |  | 1 |
| 1,2-Dichloropropane         | 42.2 | 25.0 | ug/Kg wet | 40.00 |  | 106 | 65-125 | 6 | 20 |  | 1 |

**Quality Control**

(Continued)

**Client:** United Engineering Consultants, Inc.**Report Date:** 03/02/2020**Project:** Waste Characterization  
19006**Matrix:** Solid**Work Order:** 20B0679**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: B0B1015 (Continued)****LCS Dup (B0B1015-BSD1) (Continued)**

Prepared: 02/28/2020 10:00 Analyzed: 02/28/2020 13:14

|                                   |      |      |           |       |  |     |        |     |    |   |   |
|-----------------------------------|------|------|-----------|-------|--|-----|--------|-----|----|---|---|
| 1,3,5-Trimethylbenzene            | 43.6 | 25.0 | ug/Kg wet | 40.00 |  | 109 | 55-145 | 1   | 20 |   | 1 |
| 1-Butanol                         | 374  | 25.0 | ug/Kg wet | 400.0 |  | 93  | 70-130 | 21  | 20 | P | 1 |
| 2-Butanone                        | 141  | 25.0 | ug/Kg wet | 140.0 |  | 101 | 10-180 | 11  | 20 |   | 1 |
| 2-Hexanone                        | 144  | 25.0 | ug/Kg wet | 140.0 |  | 103 | 30-160 | 4   | 20 |   | 1 |
| 4-Methyl-2-pentanone              | 147  | 25.0 | ug/Kg wet | 140.0 |  | 105 | 30-165 | 3   | 20 |   | 1 |
| Acetone                           | 149  | 25.0 | ug/Kg wet | 140.0 |  | 106 | 10-180 | 8   | 20 |   | 1 |
| Acrylonitrile                     | 43.9 | 25.0 | ug/Kg wet | 40.00 |  | 110 | 70-130 | 11  | 20 |   | 1 |
| Benzene                           | 43.8 | 25.0 | ug/Kg wet | 40.00 |  | 109 | 65-135 | 2   | 20 |   | 1 |
| Bromodichloromethane              | 39.2 | 25.0 | ug/Kg wet | 40.00 |  | 98  | 60-135 | 2   | 20 |   | 1 |
| Bromoform                         | 34.5 | 25.0 | ug/Kg wet | 40.00 |  | 86  | 45-150 | 5   | 20 |   | 1 |
| Carbon disulfide                  | 48.3 | 25.0 | ug/Kg wet | 40.00 |  | 121 | 30-180 | 2   | 20 |   | 1 |
| Carbon tetrachloride              | 47.1 | 25.0 | ug/Kg wet | 40.00 |  | 118 | 55-145 | 6   | 20 |   | 1 |
| Chlorobenzene                     | 40.9 | 25.0 | ug/Kg wet | 40.00 |  | 102 | 65-130 | 7   | 20 |   | 1 |
| Chloroform                        | 45.8 | 25.0 | ug/Kg wet | 40.00 |  | 114 | 65-135 | 0.2 | 20 |   | 1 |
| cis-1,2-Dichloroethene            | 45.4 | 25.0 | ug/Kg wet | 40.00 |  | 113 | 55-135 | 0.3 | 20 |   | 1 |
| Dibromochloromethane              | 35.4 | 25.0 | ug/Kg wet | 40.00 |  | 88  | 55-140 | 7   | 20 |   | 1 |
| Ethylbenzene                      | 43.4 | 25.0 | ug/Kg wet | 40.00 |  | 108 | 65-135 | 4   | 20 |   | 1 |
| m,p-Xylene                        | 87.0 | 25.0 | ug/Kg wet | 80.00 |  | 109 | 70-135 | 4   | 20 |   | 1 |
| Methyl tert-butyl ether           | 41.9 | 25.0 | ug/Kg wet | 40.00 |  | 105 | 70-130 | 0.1 | 20 |   | 1 |
| Methylene chloride                | 41.6 | 25.0 | ug/Kg wet | 40.00 |  | 104 | 40-155 | 0   | 20 |   | 1 |
| o-Xylene                          | 43.4 | 25.0 | ug/Kg wet | 40.00 |  | 109 | 70-135 | 0.9 | 20 |   | 1 |
| Styrene                           | 39.9 | 25.0 | ug/Kg wet | 40.00 |  | 100 | 65-135 | 6   | 20 |   | 1 |
| Tetrachloroethene                 | 40.3 | 25.0 | ug/Kg wet | 40.00 |  | 101 | 55-150 | 9   | 20 |   | 1 |
| Toluene                           | 41.8 | 25.0 | ug/Kg wet | 40.00 |  | 105 | 60-135 | 9   | 20 |   | 1 |
| trans-1,2-Dichloroethene          | 49.2 | 25.0 | ug/Kg wet | 40.00 |  | 123 | 55-145 | 2   | 20 |   | 1 |
| Trichloroethene                   | 46.3 | 25.0 | ug/Kg wet | 40.00 |  | 116 | 70-130 | 3   | 20 |   | 1 |
| Vinyl acetate                     | 43.8 | 25.0 | ug/Kg wet | 40.00 |  | 110 | 50-150 | 0.4 | 20 |   | 1 |
| Vinyl chloride                    | 49.4 | 25.0 | ug/Kg wet | 40.00 |  | 124 | 45-140 | 0.9 | 20 |   | 1 |
| Xylenes, Total                    | 130  | 25.0 | ug/Kg wet | 120.0 |  | 109 | 70-135 | 2   | 20 |   | 1 |
| 1,2-Dichloroethene, Total         | 94.6 | 25.0 | ug/Kg wet | 80.00 |  | 118 | 55-135 | 0.9 | 20 |   | 1 |
| Surrogate: Dibromofluoromethane   | 22.0 |      | ug/Kg     | 20.00 |  | 110 | 78-137 |     |    |   | 1 |
| Surrogate: 1,2-Dichloroethane-d4  | 21.0 |      | ug/Kg     | 20.00 |  | 105 | 86-137 |     |    |   | 1 |
| Surrogate: Fluorobenzene          | 19.8 |      | ug/Kg     | 20.00 |  | 99  | 80-120 |     |    |   | 1 |
| Surrogate: Toluene-d8             | 19.2 |      | ug/Kg     | 20.00 |  | 96  | 73-112 |     |    |   | 1 |
| Surrogate: 4-Bromofluorobenzene   | 10.7 |      | ug/Kg     | 10.00 |  | 107 | 85-120 |     |    |   | 1 |
| Surrogate: 1,2-Dichlorobenzene-d4 | 21.1 |      | ug/Kg     | 20.00 |  | 105 | 85-128 |     |    |   | 1 |

## Certified Analyses included in this Report

| Analyte  | CAS #       | Certifications |
|--|-------------|----------------|
| <b>SM2540G in Solid</b>                        |             |                |
| Total Solids                                   | Moist       | WDNR,DoD       |
| <b>SW-846 8260B/WDNR: PUBL-FW-140 in Solid</b> |             |                |
| 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           |

**Certified Analyses included in this Report (Continued)**

| Analyte  | CAS #     | Certifications |
|--|-----------|----------------|
| <b>SW-846 8260B/WDNR: PUBL-FW-140 in Solid (Continued)</b> |           |                |
| Xylenes, Total   | 1330-20-7 | WDNR           |
| 1,2-Dichloroethene, Total                                  | 540-59-0  | WDNR           |

**List of Certifications**

| Code  | Description  | Number          | Expires    |
|-------|--|-----------------|------------|
| AKDEC | State of Alaska, Dept. Environmental Conservation                      | 17-011          | 04/30/2020 |
| CPSC  | US Consumer Product Safety Commission, Accredited by PJLA Lab No. 1050 | L18-184-R1      | 04/30/2020 |
| DoD   | Department of Defense, Accredited by PJLA                              | L18-183-R3      | 04/30/2020 |
| ILEPA | State of Illinois, NELAP Accredited Lab No. 100256                     | 1002562020-1    | 07/27/2020 |
| ISO   | ISO/IEC 17025, Accredited by PJLA                                      | L18-184-R1      | 04/30/2020 |
| TX    | Texas Commission of Environmental Quality                              | T104704554-19-4 | 10/31/2020 |
| WA    | Washington State Department of Ecology                                 | C1057           | 01/05/2021 |
| WDNR  | State of Wisconsin Dept of Natural Resources                           | 999888890       | 08/31/2020 |

### Qualifiers and Definitions

| Item | Description  |
|------|--|
| E    | Reported concentrations are estimated values.  |
| P    | The quality control sample %RPD is above the laboratory control limit.   |
| Q    | One or more quality control results were outside of the acceptance limits (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).                                      |
| S    | The quality control sample recovery is outside of the laboratory control limits.   |
| %Rec | Percent Recovery   |
| MDL  | In the state of Wisconsin MDL is equivalent to LOD; in all other applications MDL is equivalent to MDL.<br>In the state of Wisconsin the Reporting Limit is equivalent to LOQ. |



# ENVIRONMENTAL MONITORING TECHNOLOGIES



8100 North Austin Avenue  
Morton Grove, Illinois 60053-3201

PM: Jacoby Jackson  
United Engineering Consultants, Inc.  
Waste Characterization



20B0679

7-6666  
7-967-6735  
@emt.com

## Chain of Custody Record

TURNAROUND TIME:  
 RUSH  
 day turnaround  
 ROUTINE

COC #: **226517**

Due Date: \_\_\_\_\_

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

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

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

**Preservative:**  
 1. None 4. NaOH 7. Zn Ace  
 2. H2SO4 5. HCl 8. Other  
 3. HNO3 6. MeOH

### Analyses

| Sample I.D.  | Sample Type | Container |      | Sampling |    |           | Preservation |    |       | EMT USE ONLY |       |
|--------------|-------------|-----------|------|----------|----|-----------|--------------|----|-------|--------------|-------|
|              |             | Size      | Type | No.      | By | Date      | Time         | pH | Temp. |              | Field |
| GP-9 2'-3'   | 3           | 40ml/14oz | G    | 1/1      | KH | 2/14/2002 | 10:00        | -  | -     | 6/-          |       |
| GP-9 5'-6'   |             |           |      |          |    |           | 10:15        | -  | -     |              | 01AB  |
| GP-9 14'-15' |             |           |      |          |    |           | 10:30        | -  | -     |              | 02AB  |
| GP-10 2'-3'  |             |           |      |          |    |           | 11:00        | -  | -     |              | 03AB  |
| GP-10 6'-7'  |             |           |      |          |    |           | 11:15        | -  | -     |              | 04AB  |
| GP-10 10-11' |             |           |      |          |    |           | 11:30        | -  | -     |              | 05AB  |
|              |             |           |      |          |    |           |              |    |       |              | 06AB  |

WORKORDER # **20B0679**

| Relinquished By: | Date:   | Time: | Received By:         | Date:   | Time: | EMT USE ONLY   |
|------------------|---------|-------|----------------------|---------|-------|--|
| <i>KL Henry</i>  | 2-11-20 | 8:36  | <i>Jubant</i>        | 2-19-20 | 08:36 | <input checked="" type="checkbox"/> SAMPLE RECEIVED ON ICE<br><input type="checkbox"/> TEMPERATURE |
| <i>Jubant</i>    | 2-19-20 | 12:00 |                      |         |       | Client Code:<br>EMT Project I.D.   |
| Relinquished By: | Date:   | Time: | Received For Lab By: | Date:   | Time: | Jaf Lot No.  |
|                  |         |       | <i>Agustin Zuh</i>   | 2-19-20 | 12:00 |  |

2.2

EMT SAMPLE RETURN POLICY ON BACK

### SPECIAL INSTRUCTIONS:

## Sample Receipt Checklist

Work Order: 20B0679

Printed: 2/19/2020 3:28:52PM

Client: United Engineering Consultants, Inc.  
Project: Waste Characterization

Date Due: 02/26/20 17:00 (5 day TAT)

|               |                     |                 |                |
|---------------|---------------------|-----------------|----------------|
| Received By:  | Agnieszka B. Zabawa | Date Received:  | 02/19/20 12:00 |
| Logged In By: | Agnieszka B. Zabawa | Date Logged In: | 02/19/20 14:23 |

|                                  |       |
|----------------------------------|-------|
| Samples Received at:             | 2.2°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

ABZ

2/19/20