

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 #) | |
| CALUMET VILLAGE | | 02-08-585360 | |
| Address | City | State | ZIP Code |
| 1717 E. CALUMET STREET | APPLETON | WI | 54915 |

Responsible Party

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

Property Owner

BRIDGEVIEW ASSOCIATES LLP

| | | | |
|-----------------------------|----------------------------------|-------|----------|
| Address | City | State | ZIP Code |
| 3305 N BALLARD ROAD SUITE C | APPLETON | WI | 54911 |
| Contact Person | Phone Number (include area code) | | |
| STEVE WINTER | (920) 733-3214 | | |

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 type="radio"/> | <input checked="" type="radio"/> | <input checked="" 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. <input type="radio"/> Yes <input checked="" type="radio"/> No |
| If yes, the sampled drinking water well had detectable contaminants. <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)

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Attached are:

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

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

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

Contact Information

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

Environmental Consultant

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

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

State of Wisconsin Department of Natural Resources

| | | | | |
|-----------------------------|------------|--------------------------|-------|----------|
| Contact Person Last Name | First Name | Phone # (inc. area code) | | |
| CAMPOLI | KAREN | (920) 510-4349 | | |
| Address | | City | State | ZIP Code |
| 2984 SHAWANO AVENUE | | GREEN BAY | WI | 54313 |
| Email | | | | |
| KAREN.CAMPOLI@WISCONSIN.GOV | | | | |

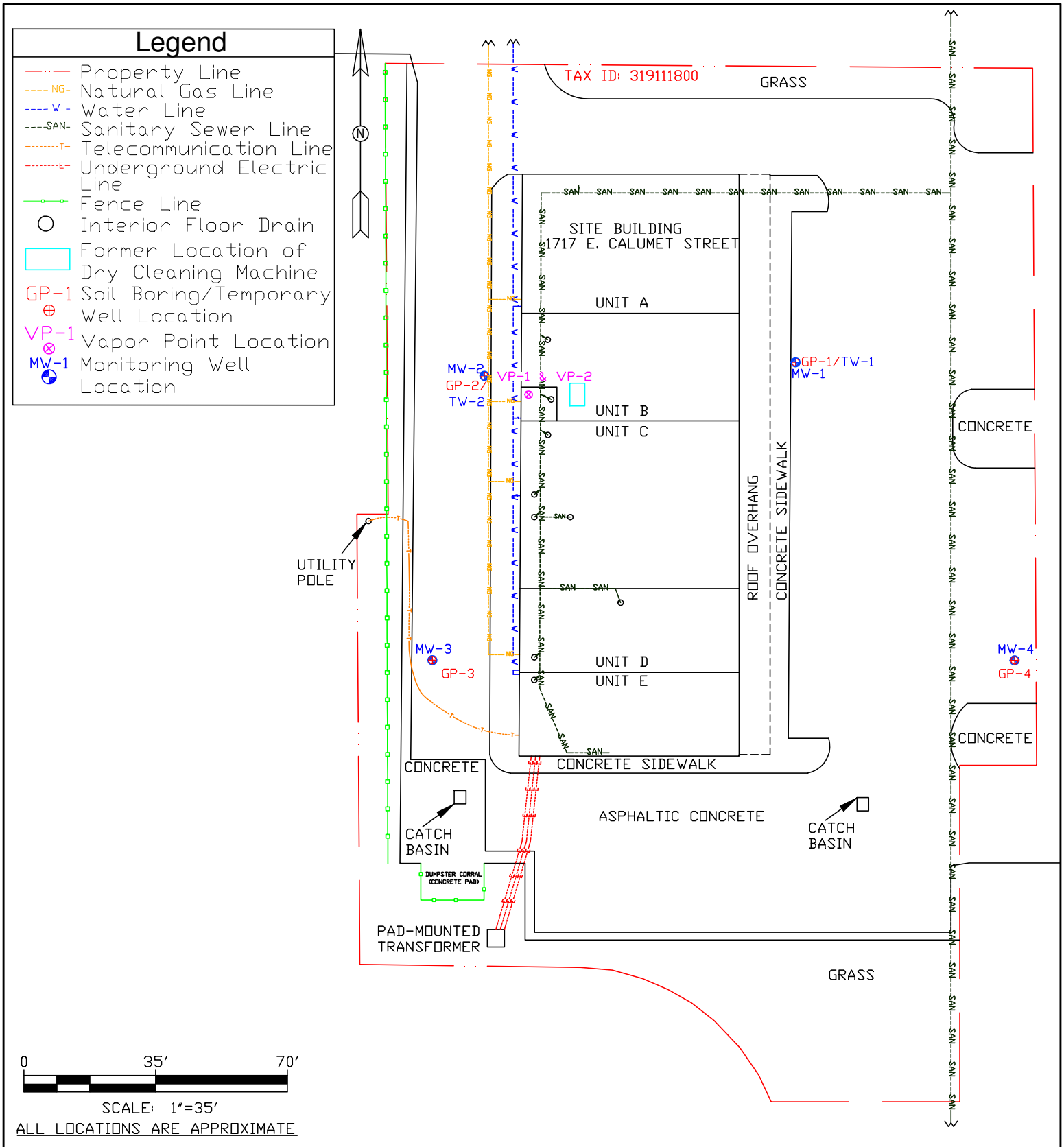


Figure 3: Soil Boring, Monitoring Well and Sub-Slab Vapor Point Location Map

**United Engineering
Consultants, Inc.**

2938 S. 166th Street
New Berlin, WI 53151

Tel. (262) 785-1447
Fax (262) 706-4400

#19044

DRAWN BY: KRH

DATE: 10/21/2020

Site Investigation Report
Calumet Village
1717 E. Calumet Street
Appleton, WI 54915

Table 1 - VOC Analytical Results - Soil
 Calumet Village
 1717 E. Calumet Street
 Appleton, WI 54915

| Sample Date | November 14, 2019 | | | | April 9, 2020 | | RCL | | |
|--|-------------------|------------|-----------|-----------|---------------|---------|-----------|--------|--------|
| Sample Identification | GP-1 | GP-1 | GP-2 | GP-2 | GP-3 | GP-3 | GWP | NIDC | IDC |
| Sample Depth | 2'-3' | 10'-11' | 2'-3' | 10'-11' | 3'-4' | 5'-6' | | | |
| Volatile Organic Compounds (VOC) (Method: SW-846 8260B/PUBL-FW-140) | | | | | | | | | |
| Acetone | <0.00448 | <0.000713 | <0.00416 | <0.00405 | <0.295 | <0.210 | 3.6766 | 63400 | 100000 |
| Acrylonitrile | <0.00129 | <0.000205 | <0.00120 | <0.00117 | <0.0452 | <0.0485 | - | <0.338 | 1.5 |
| Benzene | <0.000264 | <0.000042 | <0.000245 | <0.000239 | <0.0250 | <0.0250 | 0.0051 | 1.6 | 7.07 |
| Bromodichloromethane | <0.000394 | <0.0000627 | <0.000366 | <0.000356 | <0.0250 | <0.250 | 0.0003 | 0.39 | 1.96 |
| Bromoform | <0.000429 | <0.0000683 | <0.000398 | <0.000388 | <0.0250 | <0.0250 | 0.0023 | 23.6 | 115 |
| 1-Butanol | <0.0105 | <0.00167 | <0.00976 | <0.00951 | <0.368 | <0.396 | - | 7640 | 7640 |
| 2-Butanone | <0.00261 | <0.000416 | <0.00243 | <0.00236 | <0.0915 | <0.0984 | - | 28400 | 28400 |
| Carbon disulfide | <0.00321 | <0.0000511 | <0.000298 | <0.000290 | <0.0250 | 0.0319 | 0.5919 | 738 | 738 |
| Carbon tetrachloride | <0.000277 | <0.0000441 | <0.000258 | <0.000251 | <0.0250 | <0.0250 | 0.0039 | 0.854 | 4.25 |
| Chlorobenzene | <0.000305 | <0.0000486 | <0.000284 | <0.000276 | <0.0250 | <0.0250 | - | 392 | 761 |
| Chloroform | <0.00057 | <0.0000908 | <0.000530 | <0.000516 | <0.0250 | <0.0250 | 0.0033 | 0.423 | 2.13 |
| 1,2-Dibromo-3-chloropropane | <0.0010 | <0.00016 | <0.000934 | <0.000909 | <0.0352 | <0.0378 | 0.0002 | 0.008 | 0.092 |
| 1,2-Dibromoethane | <0.000307 | <0.0000489 | <0.000286 | <0.000278 | <0.0250 | <0.0250 | 0.0000282 | 0.05 | 0.221 |
| Dibromochloromethane | <0.000499 | <0.0000794 | <0.000464 | <0.000451 | <0.0250 | <0.0250 | 0.032 | 8.28 | 38.9 |
| 1,1-Dichloroethane | <0.000918 | <0.000146 | <0.000853 | <0.000830 | <0.0322 | <0.0346 | 0.4834 | 4.72 | 23.7 |
| 1,2-Dichloroethane | <0.000223 | <0.0000354 | <0.000286 | <0.000278 | <0.0250 | <0.0250 | 0.0028 | 0.608 | 2.87 |
| 1,1-Dichloroethene | <0.000718 | <0.000114 | <0.000667 | <0.000649 | <0.0252 | <0.0270 | 0.005 | 342 | 1190 |
| cis-1,2-Dichloroethene | <0.000629 | <0.000100 | <0.000584 | <0.000569 | <0.0250 | <0.0250 | 0.0412 | 156 | 2040 |
| trans-1,2-Dichloroethene | <0.000866 | <0.000138 | <0.000804 | <0.000783 | <0.0303 | <0.0326 | 0.0626 | 1560 | 1850 |
| 1,2-Dichloroethene, Total | <0.00149 | <0.000238 | <0.00139 | <0.00135 | <0.0524 | <0.0563 | - | - | - |
| 1,2-Dichloropropane | <0.000412 | <0.0000656 | <0.000383 | <0.000373 | <0.0250 | <0.0250 | 0.0033 | 3.4 | 15 |
| Ethylbenzene | <0.000392 | <0.0000625 | <0.000365 | <0.000355 | <0.0250 | <0.0250 | 1.57 | 8.02 | 35.4 |
| 2-Hexanone | <0.0018 | <0.000287 | <0.00168 | <0.000415 | <0.0632 | <0.0679 | - | 237 | 1760 |
| Methyl tert-butyl ether | <0.000458 | <0.0000729 | <0.000426 | <0.000415 | <0.0250 | <0.0250 | 0.027 | 63.8 | 282 |
| Methylene chloride | <0.00107 | <0.000171 | <0.000997 | <0.000971 | 0.127 | 0.130 | 0.0026 | 60.7 | 1150 |
| 4-Methyl-2-pentanone | <0.00121 | <0.000193 | <0.00113 | <0.00110 | <0.0426 | <0.0457 | 0.2252 | 3360 | 3360 |
| Naphthalene | NA | NA | NA | NA | NA | NA | 0.6582 | 6 | 24.1 |
| Styrene | <0.000392 | <0.0000624 | <0.000364 | <0.000355 | <0.0250 | <0.0250 | 0.22 | 867 | 867 |
| 1,1,2,2-Tetrachloroethane | <0.00059 | <0.0000939 | <0.000548 | <0.000534 | <0.0250 | <0.0250 | 0.0002 | 0.753 | 3.69 |
| Tetrachloroethene | <0.000475 | <0.000757 | <0.000442 | <0.000430 | <u>0.0359</u> | <0.0250 | 0.0045 | 33 | 145 |
| Toluene | <0.000356 | <0.0000567 | <0.000331 | <0.000323 | <0.0250 | <0.0250 | 1.1072 | 818 | 818 |
| 1,1,1-Trichloroethane | <0.000611 | <0.0000972 | <0.000567 | <0.000552 | <0.0250 | <0.0250 | 0.1402 | 640 | 640 |
| 1,1,2-Trichloroethane | <0.000606 | <0.0000956 | <0.00563 | <0.000549 | <0.0250 | <0.0250 | 0.0032 | 1.48 | 7.01 |
| Trichloroethene | <0.000317 | <0.0000504 | <0.000294 | <0.000286 | <0.0250 | <0.0250 | 0.0036 | 1.26 | 8.41 |
| 1,2,4-Trimethylbenzene | <0.000354 | <0.0000564 | <0.000329 | <0.000321 | <0.0250 | <0.0250 | - | 219 | 219 |
| 1,3,5-Trimethylbenzene | <0.000347 | <0.0000552 | <0.000322 | <0.000314 | <0.0250 | <0.0250 | - | 182 | 182 |
| Vinyl Acetate | <0.000703 | <0.000112 | <0.000653 | <0.000636 | <0.0250 | <0.0265 | - | 1300 | 2750 |
| Vinyl Chloride | <0.000434 | <0.0000690 | <0.000403 | <0.000392 | <0.0250 | <0.0250 | 0.0001 | 0.067 | 2.03 |
| m,p-Xylene | <0.00195 | <0.000310 | <0.00181 | <0.00176 | <0.0684 | <0.0735 | - | 388 | 388 |
| o-Xylene | <0.000271 | <0.0000432 | <0.000252 | <0.000245 | <0.0250 | <0.0250 | - | 434 | 434 |
| Xylenes, Total | <0.00222 | <0.000354 | <0.00206 | <0.00201 | <0.0779 | <0.0837 | 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 Pathway 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 LOD

Table 1 - VOC Analytical Results - Soil
 Calumet Village
 1717 E. Calumet Street
 Appleton, WI 54915

| Sample Date | October 19, 2020 | | | RCL | | |
|--|------------------|---------|---------|-----------|--------|--------|
| Sample Identification | GP-4 | GP-4 | GP-4 | GWP | NIDC | IDC |
| Sample Depth | 3'-4' | 6'-7' | 10'-11' | | | |
| Volatile Organic Compounds (VOC) (Method: SW-846 8260B/PUBL-FW-140) | | | | | | |
| Acetone | <0.186 | <0.165 | <0.143 | 3.6766 | 63400 | 100000 |
| Acrylonitrile | <0.0535 | <0.0474 | <0.0412 | - | <0.338 | 1.5 |
| Benzene | <0.0250 | <0.0250 | <0.0250 | 0.0051 | 1.6 | 7.07 |
| Bromodichloromethane | <0.0250 | <0.0250 | <0.0250 | 0.0003 | 0.39 | 1.96 |
| Bromoform | <0.0250 | <0.0250 | <0.0250 | 0.0023 | 23.6 | 115 |
| 1-Butanol | <0.437 | <0.386 | <0.336 | - | 7640 | 7640 |
| 2-Butanone | <0.108 | <0.0960 | <0.0835 | - | 28400 | 28400 |
| Carbon disulfide | <0.0250 | <0.0250 | <0.0250 | 0.5919 | 738 | 738 |
| Carbon tetrachloride | <0.0250 | <0.0250 | <0.0250 | 0.0039 | 0.854 | 4.25 |
| Chlorobenzene | <0.0250 | <0.0250 | <0.0250 | - | 392 | 761 |
| Chloroform | <0.0250 | <0.0250 | <0.0250 | 0.0033 | 0.423 | 2.13 |
| 1,2-Dibromo-3-chloropropane | <0.0417 | <0.0369 | <0.0321 | 0.0002 | 0.008 | 0.092 |
| 1,2-Dibromoethane | <0.0250 | <0.0250 | <0.0250 | 0.0000282 | 0.05 | 0.221 |
| Dibromochloromethane | <0.0250 | <0.0250 | <0.0250 | 0.032 | 8.28 | 38.9 |
| 1,1-Dichloroethane | <0.0381 | <0.0337 | <0.0293 | 0.4834 | 4.72 | 23.7 |
| 1,2-Dichloroethane | <0.0250 | <0.0250 | <0.0250 | 0.0028 | 0.608 | 2.87 |
| 1,1-Dichloroethene | <0.0298 | <0.0264 | <0.0250 | 0.005 | 342 | 1190 |
| cis-1,2-Dichloroethene | <0.0261 | <0.0250 | <0.0250 | 0.0412 | 156 | 2040 |
| trans-1,2-Dichloroethene | <0.0360 | <0.0318 | <0.0277 | 0.0626 | 1560 | 1850 |
| 1,2-Dichloroethene, Total | <0.0621 | <0.0550 | <0.0478 | - | - | - |
| 1,2-Dichloropropane | <0.0250 | <0.0250 | <0.0250 | 0.0033 | 3.4 | 15 |
| Ethylbenzene | <0.0250 | <0.0250 | <0.0250 | 1.57 | 8.02 | 35.4 |
| 2-Hexanone | <0.0749 | <0.0663 | <0.0576 | - | 237 | 1760 |
| Methyl tert-butyl ether | <0.0250 | <0.0250 | <0.0250 | 0.027 | 63.8 | 282 |
| Methylene chloride | <0.0446 | <0.0395 | <0.0343 | 0.0026 | 60.7 | 1150 |
| 4-Methyl-2-pentanone | <0.0505 | <0.0447 | <0.0388 | 0.2252 | 3360 | 3360 |
| Naphthalene | 0.0337 | <0.0250 | <0.0250 | 0.6582 | 6 | 24.1 |
| Styrene | <0.0250 | <0.0250 | <0.0250 | 0.22 | 867 | 867 |
| 1,1,2,2-Tetrachloroethane | <0.0250 | <0.0250 | <0.0250 | 0.0002 | 0.753 | 3.69 |
| Tetrachloroethene | <0.0250 | <0.0250 | <0.0250 | 0.0045 | 33 | 145 |
| Toluene | 0.0331 | 0.0261 | <0.0250 | 1.1072 | 818 | 818 |
| 1,1,1-Trichloroethane | <0.0254 | <0.0250 | <0.0250 | 0.1402 | 640 | 640 |
| 1,1,2-Trichloroethane | <0.0252 | <0.0250 | <0.0250 | 0.0032 | 1.48 | 7.01 |
| Trichloroethene | <0.0250 | <0.0250 | <0.0250 | 0.0036 | 1.26 | 8.41 |
| 1,2,4-Trimethylbenzene | <0.0250 | <0.0250 | <0.0250 | - | 219 | 219 |
| 1,3,5-Trimethylbenzene | <0.0250 | <0.0250 | <0.0250 | - | 182 | 182 |
| Vinyl Acetate | <0.0292 | <0.0258 | <0.0250 | - | 1300 | 2750 |
| Vinyl Chloride | <0.0250 | <0.0250 | <0.0250 | 0.0001 | 0.067 | 2.03 |
| m,p-Xylene | <0.0810 | <0.0717 | <0.0623 | - | 388 | 388 |
| o-Xylene | <0.0250 | <0.0250 | <0.0250 | - | 434 | 434 |
| Xylenes, Total | <0.0923 | <0.0817 | <0.0710 | 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 Pathway 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 LOD

Table 2 - VOC Analytical Results - Groundwater
 Calumet Village
 1717 E. Calumet Street
 Appleton, WI 54915

| Analyte | MW-1 | | | MW-2 | | | | | ES | PAL |
|--|----------|----------|----------|-------------|--------------|-------------|-------------|-------------|------|-------|
| | 05/15/20 | 07/08/20 | 10/23/20 | 04/16/20 | 4/16/2020(R) | 07/08/20 | 7/8/20(R) | 10/23/20 | | |
| Volatile Organic Compounds (VOC) (Method: SW-846 8260B/PUBL-FW-140) | | | | | | | | | | |
| Acetone | 5.63 | 3.91J | <3.75 | 42.4 | 19.6J | <3.75 | <3.75 | <3.75 | 9000 | 1800 |
| Acrolein | <6.63 | <6.63 | <6.63 | <6.63 | <6.63 | <6.63 | <6.63 | <6.63 | - | - |
| Acrylonitrile | <0.742 | <0.742 | <0.742 | <0.742 | <0.742 | <0.742 | <0.742 | <0.742 | - | - |
| Benzene | <0.370 | <0.370 | <0.370 | <0.370 | <0.370 | <0.370 | <0.370 | <0.370 | 5 | 0.5 |
| Bromodichloromethane | <0.310 | <0.310 | <0.310 | <0.310 | <0.310 | <0.310 | <0.310 | <0.310 | 0.6 | 0.06 |
| Bromoform | <0.254 | <0.254 | <0.254 | <0.254 | <0.254 | <0.254 | <0.254 | <0.254 | 4.4 | 0.44 |
| Bromomethane | <3.30 | <3.30 | <3.30 | <3.30 | <3.30 | <3.30 | <3.30 | <3.30 | 10 | 1 |
| 1-Butanol | <6.69 | <6.69 | <6.69 | <6.69 | <6.69 | <6.69 | <6.69 | <6.69 | - | - |
| 2-Butanone | <1.38 | <1.38 | <1.38 | <1.38 | <1.38 | <1.38 | <1.38 | <1.38 | - | - |
| Carbon disulfide | <0.259 | <0.259 | <0.259Q | 1.5J | <0.259 | <0.259 | <0.259 | <0.259Q | 1000 | 200 |
| Carbon tetrachloride | <0.390 | <0.390 | <0.390 | <0.390 | <0.390 | <0.390 | <0.390 | <0.390 | 5 | 0.5 |
| Chlorobenzene | <0.0358 | <0.0358 | <0.0358 | <0.358 | <0.358 | <0.0358 | <0.0358 | <0.0358 | - | - |
| Chloroethane | <0.906 | <0.906 | <0.906 | <0.906 | <0.906 | <0.906 | <0.906 | <0.906 | 400 | 80 |
| Chloroform | <0.0397 | <0.397 | <0.397 | <0.397 | <0.397 | <0.397 | <0.397 | <0.397 | 6 | 0.6 |
| Chloromethane | <2.23 | <2.23 | <2.23 | <2.23 | <2.23 | <2.23 | <2.23 | <2.23 | 30 | 3 |
| 1,2-Dibromo-3-chloropropane | <0.488 | <0.488 | <0.488 | <0.488 | <0.488 | <0.488 | <0.488 | <0.488 | 0.2 | 0.02 |
| 1,2-Dibromoethane (EDB) | <0.320 | <0.0320 | <0.0320 | <0.320 | <0.320 | <0.0320 | <0.0320 | <0.0320 | 0.05 | 0.005 |
| 1,1-Dichloroethane | <1.94 | <1.94 | <1.94 | <1.94 | <1.94 | <1.94 | <1.94 | <1.94 | 850 | 85 |
| 1,2-Dichloroethane | <0.274 | <0.274 | <0.274 | <0.320 | <0.320 | <0.274 | <0.274 | <0.274 | 5 | 0.5 |
| 1,1-Dichloroethene | <1.02 | <1.02 | <1.02 | <1.02 | <1.02 | <1.02 | <1.02 | <1.02 | 7 | 0.7 |
| cis-1,2-Dichloroethene | <0.421 | <0.421 | <0.421 | 0.64J | 0.650J | 2.70 | 2.56 | <0.421 | 70 | 7 |
| trans-1,2-Dichloroethene | <0.433 | <0.433 | <0.433 | <0.433 | <0.433 | <0.433 | <0.433 | 0.506J | 100 | 20 |
| 1,2-Dichloropropane | <1.11 | <1.11 | <1.11 | <1.11 | <1.11 | <1.11 | <1.11 | <1.11 | 5 | 0.5 |
| Dibromochloromethane | <0.492 | <0.492 | <0.492 | <0.492 | <0.492 | <0.492 | <0.492 | <0.492 | 700 | 140 |
| 1,3-Dichloropropene, Total | <0.592 | <0.592 | <0.592 | <0.592 | <0.592 | <0.592 | <0.592 | <0.592 | 0.4 | 0.04 |
| Ethylbenzene | <0.431 | <0.431 | <0.431 | <0.431 | <0.431 | <0.431 | <0.431 | <0.431 | 700 | 140 |
| 2-Hexanone | <1.04 | <1.04 | <1.04 | <1.04 | <1.04 | <1.04 | <1.04 | <1.04 | - | - |
| 4-Methyl-2-pentanone | <0.660 | <0.660 | <0.660 | 11.6J | 11.8J | <0.660 | <0.660 | <0.660 | - | - |
| Methyl tert-Butyl ether | <0.322 | <0.322 | <0.322 | <0.322 | <0.322 | <0.322 | <0.322 | <0.322 | 60 | 12 |
| Methylene chloride | <0.358 | <0.358 | <0.358 | <0.358 | <0.358 | <0.358 | <0.358 | <0.358 | 5 | 0.5 |
| Styrene | <0.534 | <0.0534 | <0.0534 | <0.534 | <0.534 | <0.0534 | <0.0534 | <0.0534 | 100 | 10 |
| 1,1,2,2-Tetrachloroethane | <0.291 | <0.291 | <0.291 | <0.291 | <0.291 | <0.291 | <0.291 | <0.291 | 0.2 | 0.02 |
| Tetrachloroethene | <0.400 | <0.400 | <0.400 | 5.66 | 6.55 | 26.5 | 13.4 | 81.2 | 5 | 0.5 |
| 1,2,4-Trimethylbenzene | <0.338/ | <0.338/ | <0.338 | <0.338/ | <0.338/ | <0.338/ | <0.338/ | <0.338 | 480 | 96 |
| 1,3,5-Trimethylbenzene | <0.310 | <0.310 | <0.310Q | <0.310 | <0.310 | <0.310 | <0.310 | <0.310Q | | |
| Toluene | <0.299 | <0.299 | <0.299 | <0.299 | <0.299 | <0.299 | <0.299 | <0.299 | 800 | 160 |
| 1,1,1-Trichloroethane | <0.349 | <0.349 | <0.349 | <0.349 | <0.349 | <0.349 | <0.349 | <0.349 | 200 | 40 |
| 1,1,2-Trichloroethane | <0.264 | <0.264 | <0.264 | <0.264 | <0.264 | <0.264 | <0.264 | <0.264 | 5 | 0.5 |
| Trichloroethene | <0.439 | <0.439 | <0.439 | 2.21 | 2.62 | 12.7 | 8.83 | 26.3 | 5 | 0.5 |
| Vinyl acetate | <1.01 | <1.01 | <1.01 | <1.01 | <1.01 | <1.01 | <1.01 | <1.01 | - | - |
| Vinyl chloride | <0.316 | <0.316 | <0.316 | <0.316 | <0.316 | <0.316 | <0.316 | <0.316 | 0.2 | 0.02 |
| m,p-Xylene | <0.310 | <0.310 | <0.310 | <0.310 | <0.310 | <0.310 | <0.310 | <0.310 | - | - |
| o-Xylene | <0.349 | <0.349 | <0.349 | <0.349 | <0.349 | <0.349 | <0.349 | <0.349 | - | - |
| Xylenes, Total | <0.660 | <0.660 | <0.660 | <0.660 | <0.660 | <0.660 | <0.660 | <0.660 | 2000 | 400 |

- Notes: All results expressed as µg/L (parts per billion)
- ES NR140 Enforcement Standard (Exceedances in **bold**)
- PAL NR140 Preventive Action Limit (Exceedances in underline)
- ES/PAL not established for this compound
- < Compound not detected at or above the Limit Of Detection (LOD)
- J Analyte detected above LOD and below the Limit Of Quantitation (LOQ)
- Q One or more quality control results were outside of the acceptable limits
- S1 The percent recovery is above the limits, but the analyte was not detected in the sample
- (R) Replicate sample per NR 716.13(6)c

Table 2 - VOC Analytical Results - Groundwater
 Calumet Village
 1717 E. Calumet Street
 Appleton, WI 54915

| Analyte | MW-3 | | | | MW-4 | | ES | PAL |
|--|----------|------------|----------|----------|----------|-------------|------|-------|
| | 05/15/20 | 5/15/20(R) | 07/08/20 | 10/23/20 | 10/23/20 | 10/23/20(R) | | |
| Volatile Organic Compounds (VOC) (Method: SW-846 8260B/PUBL-FW-140) | | | | | | | | |
| Acetone | <3.75 | <3.75 | <3.75 | <3.75 | <3.75 | 12.8J | 9000 | 1800 |
| Acrolein | <6.63 | <6.63 | <6.63 | <6.63 | <6.63 | <6.63 | - | - |
| Acrylonitrile | <0.742 | <0.742 | <0.742 | <0.742 | <0.742 | <0.742 | - | - |
| Benzene | <0.370 | <0.370 | <0.370 | <0.370 | <0.370 | <0.370 | 5 | 0.5 |
| Bromodichloromethane | <0.310 | <0.310 | <0.310 | <0.310 | <0.310 | <0.310 | 0.6 | 0.06 |
| Bromoform | <0.254 | <0.254 | <0.254 | <0.254 | <0.254 | <0.254 | 4.4 | 0.44 |
| Bromomethane | <3.30 | <3.30 | <3.30 | <3.30 | <3.30 | <3.30 | 10 | 1 |
| 1-Butanol | <6.69 | <6.69 | 9.92J | <6.69 | <6.69 | <6.69 | - | - |
| 2-Butanone | <1.38 | <1.38 | <1.38 | <1.38 | <1.38 | <1.38 | - | - |
| Carbon disulfide | <0.259 | <0.259 | <0.259 | <0.259Q | <0.259Q | <0.259Q | 1000 | 200 |
| Carbon tetrachloride | <0.390 | <0.390 | <0.390 | <0.390 | <0.390 | <0.390 | 5 | 0.5 |
| Chlorobenzene | <0.0358 | <0.0358 | <0.0358 | <0.0358 | <0.0358 | <0.0358 | - | - |
| Chloroethane | <0.906 | <0.906 | <0.906 | <0.906 | <0.906 | <0.906 | 400 | 80 |
| Chloroform | <0.0397 | <0.397 | <0.397 | <0.397 | <0.397 | <0.397 | 6 | 0.6 |
| Chloromethane | <2.23 | <2.23 | <2.23 | <2.23 | <2.23 | <2.23 | 30 | 3 |
| 1,2-Dibromo-3-chloropropane | <0.488 | <0.488 | <0.488 | <0.488 | <0.488 | <0.488 | 0.2 | 0.02 |
| 1,2-Dibromoethane (EDB) | <0.0320 | <0.0320 | <0.0320 | <0.0320 | <0.0320 | <0.0320 | 0.05 | 0.005 |
| 1,1-Dichloroethane | <1.94 | <1.94 | <1.94 | <1.94 | <1.94 | <1.94 | 850 | 85 |
| 1,2-Dichloroethane | <0.274 | <0.274 | <0.274 | <0.274 | <0.274 | <0.274 | 5 | 0.5 |
| 1,1-Dichloroethene | <1.02 | <1.02 | <1.02 | <1.02 | <1.02 | <1.02 | 7 | 0.7 |
| cis-1,2-Dichloroethene | <0.421 | <0.421 | <0.421 | <0.421 | <0.421 | <0.421 | 70 | 7 |
| trans-1,2-Dichloroethene | <0.433 | <0.433 | <0.433 | <0.433 | <0.433 | <0.433 | 100 | 20 |
| 1,2-Dichloropropane | <1.11 | <1.11 | <1.11 | <1.11 | <1.11 | <1.11 | 5 | 0.5 |
| Dibromochloromethane | <0.492 | <0.492 | <0.492 | <0.492 | <0.492 | <0.492 | 700 | 140 |
| 1,3-Dichloropropene, Total | <0.592 | <0.592 | <0.592 | <0.592 | <0.592 | <0.592 | 0.4 | 0.04 |
| Ethylbenzene | <0.431 | <0.431 | <0.431 | <0.431 | <0.431 | <0.431 | 700 | 140 |
| 2-Hexanone | <1.04 | <1.04 | <1.04 | <1.04 | <1.04 | <1.04 | - | - |
| 4-Methyl-2-pentanone | <0.660 | <0.660 | <0.660 | <0.660 | <0.660 | 1.39J | - | - |
| Methyl tert-Butyl ether | <0.322 | <0.322 | <0.322 | <0.322 | <0.322 | <0.322 | 60 | 12 |
| Methylene chloride | <0.358 | <0.358 | <0.358 | <0.358 | <0.358 | <0.358 | 5 | 0.5 |
| Styrene | <0.0534 | <0.0534 | <0.0534 | <0.0534 | <0.0534 | <0.0534 | 100 | 10 |
| 1,1,2,2-Tetrachloroethane | <0.291 | <0.291 | <0.291 | <0.291 | <0.291 | <0.291 | 0.2 | 0.02 |
| Tetrachloroethene | <0.400 | <0.400 | <0.400 | <0.400 | <0.400 | <0.400 | 5 | 0.5 |
| 1,2,4-Trimethylbenzene | <0.338/ | <0.338/ | <0.338/ | <0.338 | 0.456J | 0.456J | 480 | 96 |
| 1,3,5-Trimethylbenzene | <0.310 | <0.310 | <0.310 | <0.310Q | <0.310Q | <0.310Q | - | - |
| Toluene | <0.299 | <0.299 | <0.299 | <0.299 | <0.299 | <0.299 | 800 | 160 |
| 1,1,1-Trichloroethane | <0.349 | <0.349 | <0.349 | <0.349 | <0.349 | <0.349 | 200 | 40 |
| 1,1,2-Trichloroethane | <0.264 | <0.264 | <0.264 | <0.264 | <0.264 | <0.264 | 5 | 0.5 |
| Trichloroethene | <0.439 | <0.439 | <0.439 | <0.439 | <0.439 | <0.439 | 5 | 0.5 |
| Vinyl acetate | <1.01 | <1.01 | <1.01 | <1.01 | <1.01 | <1.01 | - | - |
| Vinyl chloride | <0.316 | <0.316 | <0.316 | <0.316 | <0.316 | <0.316 | 0.2 | 0.02 |
| m,p-Xylene | <0.310 | <0.310 | <0.310 | <0.310 | <0.310 | <0.310 | - | - |
| o-Xylene | <0.349 | <0.349 | <0.349 | <0.349 | <0.349 | <0.349 | - | - |
| Xylenes, Total | <0.660 | <0.660 | <0.660 | <0.660 | <0.660 | <0.660 | 2000 | 400 |

Notes: All results expressed as µg/L (parts per billion)
 ES NR140 Enforcement Standard (Exceedances in **bold**)
 PAL NR140 Preventive Action Limit (Exceedances in underline)
 - ES/PAL not established for this compound
 < Compound not detected at or above the Limit Of Detection (LOD)
 J Analyte detected above LOD and below the Limit Of Quantitation (LOQ)
 Q One or more quality control results were outside of the acceptable limits
 S1 The percent recovery is above the limits, but the analyte was not detected in the sample
 (R) Replicate sample per NR 716.13(6)c

Analytical Report

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

October 30, 2020

Work Order: 20J0710

RE: UEC Analysis
19044

Dear Timothy J. Anderson:

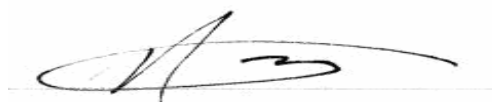
Enclosed are the analytical reports for the EMT Work Order listed. Also included with this analytical report is a copy of the chain of custody associated with these samples. If you have any questions, please contact me.

Sincerely,



Jacoby Jackson
Project Manager
847.967.6666
jjackson@emt.com
Approved for release: 10/30/2020 4:53:36PM

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

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Sample Summary

| <u>Sample ID</u> | <u>Laboratory ID</u> | <u>Matrix</u> | <u>Date Sampled</u> | <u>Date Received</u> |
|------------------|----------------------|---------------|---------------------|----------------------|
| GP-4 3'-4' | 20J0710-01 | Soil | 10/19/20 10:30 | 10/21/20 14:55 |
| GP-4 6'-7' | 20J0710-02 | Soil | 10/19/20 11:00 | 10/21/20 14:55 |
| GP-4 10'-11' | 20J0710-03 | Soil | 10/19/20 11:30 | 10/21/20 14:55 |

Case Narrative

Client: United Engineering Consultants, Inc.

Date: 10/30/2020

Project: UEC Analysis
19044

Work Order: 20J0710

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: 20J0710

The samples were received on 10/21/20 14:55. 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 | 2.3 |

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

Client Sample Results

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
 19044
Work Order: 20J0710

Client Sample ID: GP-4 3'-4'
Report Date: 10/30/2020
Collection Date: 10/19/2020 10:30
Matrix: Soil
Lab ID: 20J0710-01

| Analyses | Result | EMT Reporting | | Units | MDL | Date/Time Analyzed | Batch | Analyst | DF | |
|---|---------------|---------------|------|-------------|---------|--------------------|---------|---------|----|--|
| | | Limit | Qual | | | | | | | |
| Wet Chemistry | | | | | | | | | | |
| Method: SM2540G | | | | | | | | | | |
| Total Solids | 83.6 | 0.100 | | % (Percent) | 0.0240 | 10/22/20 05:10 | BOJ0771 | MKP | 1 | |
| Volatile Organic Compounds by GC/MS | | | | | | | | | | |
| Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5035 | | | | | | | | | | |
| 1,1,1-Trichloroethane | < 0.0254 | 0.0254 | | mg/Kg dry | 0.0254 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| 1,1,2,2-Tetrachloroethane | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0245 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| 1,1,2-Trichloroethane | < 0.0252 | 0.0252 | | mg/Kg dry | 0.0252 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| 1,1-Dichloroethane | < 0.0381 | 0.0381 | | mg/Kg dry | 0.0381 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| 1,1-Dichloroethene | < 0.0298 | 0.0298 | | mg/Kg dry | 0.0298 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| 1,2,4-Trimethylbenzene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0147 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| 1,2-Dibromo-3-chloropropane | < 0.0417 | 0.0417 | | mg/Kg dry | 0.0417 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| 1,2-Dibromoethane | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0128 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| 1,2-Dichloroethane | < 0.0250 | 0.0250 | | mg/Kg dry | 0.00925 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| 1,2-Dichloropropane | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0171 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| 1,3,5-Trimethylbenzene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0144 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| 1-Butanol | < 0.437 | 0.437 | | mg/Kg dry | 0.437 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| 2-Butanone | < 0.108 | 0.108 | | mg/Kg dry | 0.108 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| 2-Hexanone | < 0.0749 | 0.0749 | | mg/Kg dry | 0.0749 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| 4-Methyl-2-pentanone | < 0.0505 | 0.0505 | | mg/Kg dry | 0.0505 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| Acetone | < 0.186 | 0.186 | | mg/Kg dry | 0.186 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| Acrylonitrile | < 0.0535 | 0.0535 | | mg/Kg dry | 0.0535 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| Benzene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0110 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| Bromodichloromethane | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0164 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| Bromoform | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0178 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| Carbon disulfide | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0133 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| Carbon tetrachloride | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0115 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| Chlorobenzene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0127 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| Chloroform | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0237 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| cis-1,2-Dichloroethene | < 0.0261 | 0.0261 | | mg/Kg dry | 0.0261 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| Dibromochloromethane | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0207 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| Ethylbenzene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0163 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| m,p-Xylene | < 0.0810 | 0.0810 | | mg/Kg dry | 0.0810 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| Methyl tert-butyl ether | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0190 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| Methylene chloride | < 0.0446 | 0.0446 | | mg/Kg dry | 0.0446 | 10/29/20 10:53 | BOJ1045 | KS1 | 50 | |
| Naphthalene | 0.0337 | 0.0300 | | mg/Kg dry | 0.0273 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| o-Xylene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0113 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| Styrene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0163 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| Tetrachloroethene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0197 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| Toluene | 0.0331 | 0.0250 | | mg/Kg dry | 0.0148 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| trans-1,2-Dichloroethene | < 0.0360 | 0.0360 | | mg/Kg dry | 0.0360 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| Trichloroethene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0131 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| Vinyl acetate | < 0.0292 | 0.0292 | | mg/Kg dry | 0.0292 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |
| Vinyl chloride | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0180 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 | |

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
 19044
Work Order: 20J0710

Client Sample ID: GP-4 3'-4'
Report Date: 10/30/2020
Collection Date: 10/19/2020 10:30
Matrix: Soil
Lab ID: 20J0710-01 (Continued)

| Analyses | Result | EMT Reporting | | Qual | Units | MDL | Date/Time Analyzed | Batch | Analyst | DF |
|---|----------|---------------|-------|------|----------------|----------------|--------------------|---------|---------|----|
| | | Limit | Limit | | | | | | | |
| Volatile Organic Compounds by GC/MS (Continued) | | | | | | | | | | |
| Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5035 (Continued) | | | | | | | | | | |
| Xylenes, Total | < 0.0923 | 0.0923 | | | mg/Kg dry | 0.0923 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 |
| 1,2-Dichloroethene, Total | < 0.0621 | 0.0621 | | | mg/Kg dry | 0.0621 | 10/21/20 18:52 | BOJ0807 | WZZ | 50 |
| <hr/> | | | | | | | | | | |
| Surrogate: Dibromofluoromethane | | | | | Recovery: 101% | Limits: 78-137 | 10/21/20 18:52 | BOJ0807 | WZZ | 1 |
| Surrogate: 1,2-Dichloroethane-d4 | | | | | Recovery: 103% | Limits: 86-137 | 10/21/20 18:52 | BOJ0807 | WZZ | 1 |
| Surrogate: Fluorobenzene | | | | | Recovery: 97% | Limits: 80-120 | 10/21/20 18:52 | BOJ0807 | WZZ | 1 |
| Surrogate: Toluene-d8 | | | | | Recovery: 98% | Limits: 73-112 | 10/21/20 18:52 | BOJ0807 | WZZ | 1 |
| Surrogate: 4-Bromofluorobenzene | | | | | Recovery: 109% | Limits: 85-120 | 10/21/20 18:52 | BOJ0807 | WZZ | 1 |
| Surrogate: 1,2-Dichlorobenzene-d4 | | | | | Recovery: 104% | Limits: 85-128 | 10/21/20 18:52 | BOJ0807 | WZZ | 1 |

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
 19044
Work Order: 20J0710

Client Sample ID: GP-4 6'-7'
Report Date: 10/30/2020
Collection Date: 10/19/2020 11:00
Matrix: Soil
Lab ID: 20J0710-02

| Analyses | Result | EMT Reporting | | Units | MDL | Date/Time Analyzed | Batch | Analyst | DF | |
|---|---------------|---------------|------|-------------|---------|--------------------|---------|---------|----|--|
| | | Limit | Qual | | | | | | | |
| Wet Chemistry | | | | | | | | | | |
| Method: SM2540G | | | | | | | | | | |
| Total Solids | 85.6 | 0.100 | | % (Percent) | 0.0240 | 10/22/20 05:12 | BOJ0771 | MKP | 1 | |
| Volatile Organic Compounds by GC/MS | | | | | | | | | | |
| Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5035 | | | | | | | | | | |
| 1,1,1-Trichloroethane | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0224 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| 1,1,2,2-Tetrachloroethane | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0217 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| 1,1,2-Trichloroethane | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0223 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| 1,1-Dichloroethane | < 0.0337 | 0.0337 | | mg/Kg dry | 0.0337 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| 1,1-Dichloroethene | < 0.0264 | 0.0264 | | mg/Kg dry | 0.0264 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| 1,2,4-Trimethylbenzene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0130 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| 1,2-Dibromo-3-chloropropane | < 0.0369 | 0.0369 | | mg/Kg dry | 0.0369 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| 1,2-Dibromoethane | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0113 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| 1,2-Dichloroethane | < 0.0250 | 0.0250 | | mg/Kg dry | 0.00818 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| 1,2-Dichloropropane | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0152 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| 1,3,5-Trimethylbenzene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0128 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| 1-Butanol | < 0.386 | 0.386 | | mg/Kg dry | 0.386 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| 2-Butanone | < 0.0960 | 0.0960 | | mg/Kg dry | 0.0960 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| 2-Hexanone | < 0.0663 | 0.0663 | | mg/Kg dry | 0.0663 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| 4-Methyl-2-pentanone | < 0.0447 | 0.0447 | | mg/Kg dry | 0.0447 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| Acetone | < 0.165 | 0.165 | | mg/Kg dry | 0.165 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| Acrylonitrile | < 0.0474 | 0.0474 | | mg/Kg dry | 0.0474 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| Benzene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.00971 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| Bromodichloromethane | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0145 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| Bromoform | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0158 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| Carbon disulfide | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0118 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| Carbon tetrachloride | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0102 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| Chlorobenzene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0112 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| Chloroform | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0210 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| cis-1,2-Dichloroethene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0231 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| Dibromochloromethane | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0183 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| Ethylbenzene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0144 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| m,p-Xylene | < 0.0717 | 0.0717 | | mg/Kg dry | 0.0717 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| Methyl tert-butyl ether | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0168 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| Methylene chloride | < 0.0395 | 0.0395 | | mg/Kg dry | 0.0395 | 10/29/20 11:18 | BOJ1045 | KS1 | 50 | |
| Naphthalene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0242 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| o-Xylene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.00997 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| Styrene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0144 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| Tetrachloroethene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0175 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| Toluene | 0.0261 | 0.0250 | | mg/Kg dry | 0.0131 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| trans-1,2-Dichloroethene | < 0.0318 | 0.0318 | | mg/Kg dry | 0.0318 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| Trichloroethene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0116 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| Vinyl acetate | < 0.0258 | 0.0258 | | mg/Kg dry | 0.0258 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |
| Vinyl chloride | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0159 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 | |

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
 19044
Work Order: 20J0710

Client Sample ID: GP-4 6'-7'
Report Date: 10/30/2020
Collection Date: 10/19/2020 11:00
Matrix: Soil
Lab ID: 20J0710-02 (Continued)

| Analyses | Result | EMT Reporting | | Qual | Units | MDL | Date/Time Analyzed | Batch | Analyst | DF |
|---|----------|---------------|-------|------|-----------|----------------------------------|--------------------|---------|---------|----|
| | | Limit | Limit | | | | | | | |
| Volatile Organic Compounds by GC/MS (Continued) | | | | | | | | | | |
| Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5035 (Continued) | | | | | | | | | | |
| Xylenes, Total | < 0.0817 | 0.0817 | | | mg/Kg dry | 0.0817 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 |
| 1,2-Dichloroethene, Total | < 0.0550 | 0.0550 | | | mg/Kg dry | 0.0550 | 10/21/20 19:16 | BOJ0807 | WZZ | 50 |
| <hr/> | | | | | | | | | | |
| Surrogate: Dibromofluoromethane | | | | | | Recovery: 102% Limits: 78-137 | 10/21/20 19:16 | BOJ0807 | WZZ | 1 |
| Surrogate: 1,2-Dichloroethane-d4 | | | | | | Recovery: 102% Limits: 86-137 | 10/21/20 19:16 | BOJ0807 | WZZ | 1 |
| Surrogate: Fluorobenzene | | | | | | Recovery: 99% Limits: 80-120 | 10/21/20 19:16 | BOJ0807 | WZZ | 1 |
| Surrogate: Toluene-d8 | | | | | | Recovery: 101% Limits: 73-112 | 10/21/20 19:16 | BOJ0807 | WZZ | 1 |
| Surrogate: 4-Bromofluorobenzene | | | | | | Recovery: 104% Limits: 85-120 | 10/21/20 19:16 | BOJ0807 | WZZ | 1 |
| Surrogate: 1,2-Dichlorobenzene-d4 | | | | | | Recovery: 104% Limits: 85-128 | 10/21/20 19:16 | BOJ0807 | WZZ | 1 |

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
 19044
Work Order: 20J0710

Client Sample ID: GP-4 10'-11'
Report Date: 10/30/2020
Collection Date: 10/19/2020 11:30
Matrix: Soil
Lab ID: 20J0710-03

| Analyses | Result | EMT Reporting | | Units | MDL | Date/Time Analyzed | Batch | Analyst | DF | |
|---|----------|---------------|------|-------------|---------|--------------------|---------|---------|----|--|
| | | Limit | Qual | | | | | | | |
| Wet Chemistry | | | | | | | | | | |
| Method: SM2540G | | | | | | | | | | |
| Total Solids | 85.8 | 0.100 | | % (Percent) | 0.0240 | 10/22/20 05:14 | BOJ0771 | MKP | 1 | |
| Volatile Organic Compounds by GC/MS | | | | | | | | | | |
| Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5035 | | | | | | | | | | |
| 1,1,1-Trichloroethane | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0195 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| 1,1,2,2-Tetrachloroethane | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0189 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| 1,1,2-Trichloroethane | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0194 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| 1,1-Dichloroethane | < 0.0293 | 0.0293 | | mg/Kg dry | 0.0293 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| 1,1-Dichloroethene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0229 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| 1,2,4-Trimethylbenzene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0113 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| 1,2-Dibromo-3-chloropropane | < 0.0321 | 0.0321 | | mg/Kg dry | 0.0321 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| 1,2-Dibromoethane | < 0.0250 | 0.0250 | | mg/Kg dry | 0.00983 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| 1,2-Dichloroethane | < 0.0250 | 0.0250 | | mg/Kg dry | 0.00711 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| 1,2-Dichloropropane | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0132 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| 1,3,5-Trimethylbenzene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0111 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| 1-Butanol | < 0.336 | 0.336 | | mg/Kg dry | 0.336 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| 2-Butanone | < 0.0835 | 0.0835 | | mg/Kg dry | 0.0835 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| 2-Hexanone | < 0.0576 | 0.0576 | | mg/Kg dry | 0.0576 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| 4-Methyl-2-pentanone | < 0.0388 | 0.0388 | | mg/Kg dry | 0.0388 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| Acetone | < 0.143 | 0.143 | | mg/Kg dry | 0.143 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| Acrylonitrile | < 0.0412 | 0.0412 | | mg/Kg dry | 0.0412 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| Benzene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.00844 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| Bromodichloromethane | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0126 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| Bromoform | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0137 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| Carbon disulfide | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0103 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| Carbon tetrachloride | < 0.0250 | 0.0250 | | mg/Kg dry | 0.00887 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| Chlorobenzene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.00976 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| Chloroform | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0182 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| cis-1,2-Dichloroethene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0201 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| Dibromochloromethane | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0159 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| Ethylbenzene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0125 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| m,p-Xylene | < 0.0623 | 0.0623 | | mg/Kg dry | 0.0623 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| Methyl tert-butyl ether | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0146 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| Methylene chloride | < 0.0343 | 0.0343 | | mg/Kg dry | 0.0343 | 10/29/20 11:43 | BOJ1045 | KS1 | 50 | |
| Naphthalene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0210 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| o-Xylene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.00867 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| Styrene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0125 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| Tetrachloroethene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0152 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| Toluene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0114 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| trans-1,2-Dichloroethene | < 0.0277 | 0.0277 | | mg/Kg dry | 0.0277 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| Trichloroethene | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0101 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| Vinyl acetate | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0225 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |
| Vinyl chloride | < 0.0250 | 0.0250 | | mg/Kg dry | 0.0139 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 | |

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
 19044
Work Order: 20J0710

Client Sample ID: GP-4 10'-11'
Report Date: 10/30/2020
Collection Date: 10/19/2020 11:30
Matrix: Soil
Lab ID: 20J0710-03 (Continued)

| Analyses | Result | EMT Reporting | | Qual | Units | MDL | Date/Time Analyzed | Batch | Analyst | DF |
|---|----------|---------------|-------|------|----------------|----------------|--------------------|---------|---------|----|
| | | Limit | Limit | | | | | | | |
| Volatile Organic Compounds by GC/MS (Continued) | | | | | | | | | | |
| Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5035 (Continued) | | | | | | | | | | |
| Xylenes, Total | < 0.0710 | 0.0710 | | | mg/Kg dry | 0.0710 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 |
| 1,2-Dichloroethene, Total | < 0.0478 | 0.0478 | | | mg/Kg dry | 0.0478 | 10/21/20 19:41 | BOJ0807 | WZZ | 50 |
| <hr/> | | | | | | | | | | |
| Surrogate: Dibromofluoromethane | | | | | Recovery: 99% | Limits: 78-137 | 10/21/20 19:41 | BOJ0807 | WZZ | 1 |
| Surrogate: 1,2-Dichloroethane-d4 | | | | | Recovery: 106% | Limits: 86-137 | 10/21/20 19:41 | BOJ0807 | WZZ | 1 |
| Surrogate: Fluorobenzene | | | | | Recovery: 100% | Limits: 80-120 | 10/21/20 19:41 | BOJ0807 | WZZ | 1 |
| Surrogate: Toluene-d8 | | | | | Recovery: 97% | Limits: 73-112 | 10/21/20 19:41 | BOJ0807 | WZZ | 1 |
| Surrogate: 4-Bromofluorobenzene | | | | | Recovery: 101% | Limits: 85-120 | 10/21/20 19:41 | BOJ0807 | WZZ | 1 |
| Surrogate: 1,2-Dichlorobenzene-d4 | | | | | Recovery: 103% | Limits: 85-128 | 10/21/20 19:41 | BOJ0807 | WZZ | 1 |

Dates Report

Client: United Engineering Consultants, Inc.

Report Date: 10/30/2020

Project: UEC Analysis
19044

Work Order: 20J0710

| Sample ID | Client Sample ID | Collection | Matrix | Test Name | Leached Prep Date | Prep Date | Analysis Date | Batch ID | Sequence |
|------------|------------------|------------|--------|--|----------------------|----------------|----------------|----------|----------|
| 20J0710-01 | GP-4 3'-4' | 10/19/20 | Soil | Total Solids / Percent Moisture | | 10/22/20 04:07 | 10/22/20 05:10 | B0J0771 | |
| | | | | Volatile Organic Compounds (WDNR) by GC/MS | | 10/21/20 17:00 | 10/21/20 18:52 | B0J0807 | S0J0339 |
| | | | | Volatile Organic Compounds (WDNR) by GC/MS | | 10/28/20 18:00 | 10/29/20 10:53 | B0J1045 | S0J0461 |
| 20J0710-02 | GP-4 6'-7' | 10/19/20 | | Total Solids / Percent Moisture | | 10/22/20 04:07 | 10/22/20 05:12 | B0J0771 | |
| | | | | Volatile Organic Compounds (WDNR) by GC/MS | | 10/21/20 17:00 | 10/21/20 19:16 | B0J0807 | S0J0339 |
| | | | | Volatile Organic Compounds (WDNR) by GC/MS | | 10/28/20 18:00 | 10/29/20 11:18 | B0J1045 | S0J0461 |
| 20J0710-03 | GP-4 10'-11' | 10/19/20 | | Total Solids / Percent Moisture | | 10/22/20 04:07 | 10/22/20 05:14 | B0J0771 | |
| | | | | Volatile Organic Compounds (WDNR) by GC/MS | | 10/21/20 17:00 | 10/21/20 19:41 | B0J0807 | S0J0339 |
| | | | | Volatile Organic Compounds (WDNR) by GC/MS | | 10/28/20 18:00 | 10/29/20 11:43 | B0J1045 | S0J0461 |

Quality Control

Client: United Engineering Consultants, Inc.
Project: UEC Analysis
 19044
Work Order: 20J0710

Report Date: 10/30/2020
Matrix: Solid

Wet Chemistry

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

Batch: B0J0771

Blank (B0J0771-BLK1)

Prepared: 10/22/2020 04:07 Analyzed: 10/22/2020 05:16

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

LCS (B0J0771-BS1)

Prepared: 10/22/2020 04:07 Analyzed: 10/22/2020 05:18

| | | | | | | | | | | | |
|--------------|-------|-------|---|--------|--|------|----------|--|--|--|---|
| Total Solids | 0.195 | 0.100 | % | 0.2035 | | 95.6 | 84.9-108 | | | | 1 |
|--------------|-------|-------|---|--------|--|------|----------|--|--|--|---|

Duplicate (B0J0771-DUP1)

Source: 20J0705-08

Prepared: 10/22/2020 04:07 Analyzed: 10/22/2020 05:20

| | | | | | | | | | | | |
|--------------|------|-------|---|--|------|--|--|-------|---|--|---|
| Total Solids | 99.2 | 0.100 | % | | 98.8 | | | 0.389 | 5 | | 1 |
|--------------|------|-------|---|--|------|--|--|-------|---|--|---|

Duplicate (B0J0771-DUP2)

Source: 20J0710-03

Prepared: 10/22/2020 04:07 Analyzed: 10/22/2020 05:22

| | | | | | | | | | | | |
|--------------|------|-------|---|--|------|--|--|--------|---|--|---|
| Total Solids | 85.9 | 0.100 | % | | 85.8 | | | 0.0815 | 5 | | 1 |
|--------------|------|-------|---|--|------|--|--|--------|---|--|---|

Quality Control

(Continued)

Client: United Engineering Consultants, Inc.**Report Date:** 10/30/2020**Project:** UEC Analysis
19044**Matrix:** Solid**Work Order:** 20J0710**Volatile Organic Compounds by GC/MS**

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

Batch: B0J0807 - SW5035**Blank (B0J0807-BLK1)**

Prepared: 10/21/2020 15:00 Analyzed: 10/21/2020 18:26

| | | | | | | | | | | | |
|---------------------------------|-----------|---------|-----------|-------|--|-----|--------|--|--|--|---|
| 1,1,1-Trichloroethane | < 0.00400 | 0.00400 | mg/Kg wet | | | | | | | | 1 |
| 1,1,2,2-Tetrachloroethane | < 0.00400 | 0.00400 | mg/Kg wet | | | | | | | | 1 |
| 1,1,2-Trichloroethane | < 0.00400 | 0.00400 | mg/Kg wet | | | | | | | | 1 |
| 1,1-Dichloroethane | < 0.00400 | 0.00400 | mg/Kg wet | | | | | | | | 1 |
| 1,1-Dichloroethene | < 0.00400 | 0.00400 | mg/Kg wet | | | | | | | | 1 |
| 1,2,4-Trimethylbenzene | < 0.00200 | 0.00200 | mg/Kg wet | | | | | | | | 1 |
| 1,2-Dibromo-3-chloropropane | < 0.00400 | 0.00400 | mg/Kg wet | | | | | | | | 1 |
| 1,2-Dibromoethane | < 0.00200 | 0.00200 | mg/Kg wet | | | | | | | | 1 |
| 1,2-Dichloroethane | < 0.00100 | 0.00100 | mg/Kg wet | | | | | | | | 1 |
| 1,2-Dichloropropane | < 0.00200 | 0.00200 | mg/Kg wet | | | | | | | | 1 |
| 1,3,5-Trimethylbenzene | < 0.00200 | 0.00200 | mg/Kg wet | | | | | | | | 1 |
| 1-Butanol | < 0.0720 | 0.0720 | mg/Kg wet | | | | | | | | 1 |
| 2-Butanone | < 0.0140 | 0.0140 | mg/Kg wet | | | | | | | | 1 |
| 2-Hexanone | < 0.00700 | 0.00700 | mg/Kg wet | | | | | | | | 1 |
| 4-Methyl-2-pentanone | < 0.00700 | 0.00700 | mg/Kg wet | | | | | | | | 1 |
| Acetone | < 0.0350 | 0.0350 | mg/Kg wet | | | | | | | | 1 |
| Acrylonitrile | < 0.00800 | 0.00800 | mg/Kg wet | | | | | | | | 1 |
| Benzene | < 0.00200 | 0.00200 | mg/Kg wet | | | | | | | | 1 |
| Bromodichloromethane | < 0.00200 | 0.00200 | mg/Kg wet | | | | | | | | 1 |
| Bromoform | < 0.00200 | 0.00200 | mg/Kg wet | | | | | | | | 1 |
| Carbon disulfide | < 0.00200 | 0.00200 | mg/Kg wet | | | | | | | | 1 |
| Carbon tetrachloride | < 0.00200 | 0.00200 | mg/Kg wet | | | | | | | | 1 |
| Chlorobenzene | < 0.00200 | 0.00200 | mg/Kg wet | | | | | | | | 1 |
| Chloroform | < 0.00200 | 0.00200 | mg/Kg wet | | | | | | | | 1 |
| cis-1,2-Dichloroethene | < 0.00400 | 0.00400 | mg/Kg wet | | | | | | | | 1 |
| Dibromochloromethane | < 0.00400 | 0.00400 | mg/Kg wet | | | | | | | | 1 |
| Ethylbenzene | < 0.00200 | 0.00200 | mg/Kg wet | | | | | | | | 1 |
| m,p-Xylene | < 0.00800 | 0.00800 | mg/Kg wet | | | | | | | | 1 |
| Methyl tert-butyl ether | < 0.00200 | 0.00200 | mg/Kg wet | | | | | | | | 1 |
| Methylene chloride | < 0.00400 | 0.00400 | mg/Kg wet | | | | | | | | 1 |
| Naphthalene | < 0.00400 | 0.00400 | mg/Kg wet | | | | | | | | 1 |
| o-Xylene | < 0.00200 | 0.00200 | mg/Kg wet | | | | | | | | 1 |
| Styrene | < 0.00200 | 0.00200 | mg/Kg wet | | | | | | | | 1 |
| Tetrachloroethene | < 0.00200 | 0.00200 | mg/Kg wet | | | | | | | | 1 |
| Toluene | < 0.00200 | 0.00200 | mg/Kg wet | | | | | | | | 1 |
| trans-1,2-Dichloroethene | < 0.00400 | 0.00400 | mg/Kg wet | | | | | | | | 1 |
| Trichloroethene | < 0.00200 | 0.00200 | mg/Kg wet | | | | | | | | 1 |
| Vinyl acetate | < 0.00400 | 0.00400 | mg/Kg wet | | | | | | | | 1 |
| Vinyl chloride | < 0.00200 | 0.00200 | mg/Kg wet | | | | | | | | 1 |
| Xylenes, Total | < 0.0100 | 0.0100 | mg/Kg wet | | | | | | | | 1 |
| 1,2-Dichloroethene, Total | < 0.00800 | 0.00800 | mg/Kg wet | | | | | | | | 1 |
| Surrogate: Dibromofluoromethane | 21.2 | | ug/Kg | 20.00 | | 106 | 78-137 | | | | 1 |

Quality Control

(Continued)

Client: United Engineering Consultants, Inc.**Report Date:** 10/30/2020**Project:** UEC Analysis
19044**Matrix:** Solid**Work Order:** 20J0710**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: B0J0807 - SW5035 (Continued)**Blank (B0J0807-BLK1) (Continued)**

Prepared: 10/21/2020 15:00 Analyzed: 10/21/2020 18:26

| | | | | | | | | | | | |
|-----------------------------------|------|--|-------|-------|--|-----|--------|--|--|--|---|
| Surrogate: 1,2-Dichloroethane-d4 | 21.2 | | ug/Kg | 20.00 | | 106 | 86-137 | | | | 1 |
| Surrogate: Fluorobenzene | 20.4 | | ug/Kg | 20.00 | | 102 | 80-120 | | | | 1 |
| Surrogate: Toluene-d8 | 19.9 | | ug/Kg | 20.00 | | 99 | 73-112 | | | | 1 |
| Surrogate: 4-Bromofluorobenzene | 9.77 | | ug/Kg | 10.00 | | 98 | 85-120 | | | | 1 |
| Surrogate: 1,2-Dichlorobenzene-d4 | 19.8 | | ug/Kg | 20.00 | | 99 | 85-128 | | | | 1 |

LCS (B0J0807-BS1)

Prepared: 10/21/2020 15:00 Analyzed: 10/21/2020 16:35

| | | | | | | | | | | | |
|-----------------------------|--------|---------|-----------|---------|--|-----|--------|--|--|--|---|
| 1,1,1-Trichloroethane | 0.0436 | 0.00400 | mg/Kg wet | 0.04000 | | 109 | 55-145 | | | | 1 |
| 1,1,1,2-Tetrachloroethane | 0.0375 | 0.00400 | mg/Kg wet | 0.04000 | | 94 | 40-145 | | | | 1 |
| 1,1,2-Trichloroethane | 0.0394 | 0.00400 | mg/Kg wet | 0.04000 | | 99 | 50-140 | | | | 1 |
| 1,1-Dichloroethane | 0.0408 | 0.00400 | mg/Kg wet | 0.04000 | | 102 | 65-135 | | | | 1 |
| 1,1-Dichloroethene | 0.0426 | 0.00400 | mg/Kg wet | 0.04000 | | 106 | 55-150 | | | | 1 |
| 1,2,4-Trimethylbenzene | 0.0422 | 0.00200 | mg/Kg wet | 0.04000 | | 106 | 55-145 | | | | 1 |
| 1,2-Dibromo-3-chloropropane | 0.0398 | 0.00400 | mg/Kg wet | 0.04000 | | 100 | 25-150 | | | | 1 |
| 1,2-Dibromoethane | 0.0406 | 0.00200 | mg/Kg wet | 0.04000 | | 102 | 60-135 | | | | 1 |
| 1,2-Dichloroethane | 0.0423 | 0.00100 | mg/Kg wet | 0.04000 | | 106 | 60-145 | | | | 1 |
| 1,2-Dichloropropane | 0.0410 | 0.00200 | mg/Kg wet | 0.04000 | | 102 | 65-125 | | | | 1 |
| 1,3,5-Trimethylbenzene | 0.0418 | 0.00200 | mg/Kg wet | 0.04000 | | 105 | 55-145 | | | | 1 |
| 1-Butanol | 0.453 | 0.0720 | mg/Kg wet | 0.4000 | | 113 | 70-130 | | | | 1 |
| 2-Butanone | 0.139 | 0.0140 | mg/Kg wet | 0.1400 | | 100 | 10-180 | | | | 1 |
| 2-Hexanone | 0.142 | 0.00700 | mg/Kg wet | 0.1400 | | 101 | 30-160 | | | | 1 |
| 4-Methyl-2-pentanone | 0.148 | 0.00700 | mg/Kg wet | 0.1400 | | 106 | 30-165 | | | | 1 |
| Acetone | 0.147 | 0.0350 | mg/Kg wet | 0.1400 | | 105 | 10-180 | | | | 1 |
| Acrylonitrile | 0.0432 | 0.00800 | mg/Kg wet | 0.04000 | | 108 | 70-130 | | | | 1 |
| Benzene | 0.0406 | 0.00200 | mg/Kg wet | 0.04000 | | 102 | 65-135 | | | | 1 |
| Bromodichloromethane | 0.0396 | 0.00200 | mg/Kg wet | 0.04000 | | 99 | 60-135 | | | | 1 |
| Bromoform | 0.0427 | 0.00200 | mg/Kg wet | 0.04000 | | 107 | 45-150 | | | | 1 |
| Carbon disulfide | 0.0422 | 0.00200 | mg/Kg wet | 0.04000 | | 105 | 30-180 | | | | 1 |
| Carbon tetrachloride | 0.0432 | 0.00200 | mg/Kg wet | 0.04000 | | 108 | 55-145 | | | | 1 |
| Chlorobenzene | 0.0407 | 0.00200 | mg/Kg wet | 0.04000 | | 102 | 65-130 | | | | 1 |
| Chloroform | 0.0411 | 0.00200 | mg/Kg wet | 0.04000 | | 103 | 65-135 | | | | 1 |
| cis-1,2-Dichloroethene | 0.0422 | 0.00400 | mg/Kg wet | 0.04000 | | 105 | 55-135 | | | | 1 |
| Dibromochloromethane | 0.0419 | 0.00400 | mg/Kg wet | 0.04000 | | 105 | 55-140 | | | | 1 |
| Ethylbenzene | 0.0414 | 0.00200 | mg/Kg wet | 0.04000 | | 103 | 65-135 | | | | 1 |
| m,p-Xylene | 0.0844 | 0.00800 | mg/Kg wet | 0.08000 | | 105 | 70-135 | | | | 1 |
| Methyl tert-butyl ether | 0.0402 | 0.00200 | mg/Kg wet | 0.04000 | | 100 | 70-130 | | | | 1 |
| Methylene chloride | 0.0470 | 0.00400 | mg/Kg wet | 0.04000 | | 118 | 40-155 | | | | 1 |
| Naphthalene | 0.0383 | 0.00400 | mg/Kg wet | 0.04000 | | 96 | 25-140 | | | | 1 |
| o-Xylene | 0.0392 | 0.00200 | mg/Kg wet | 0.04000 | | 98 | 70-135 | | | | 1 |
| Styrene | 0.0402 | 0.00200 | mg/Kg wet | 0.04000 | | 101 | 65-135 | | | | 1 |
| Tetrachloroethene | 0.0377 | 0.00200 | mg/Kg wet | 0.04000 | | 94 | 55-150 | | | | 1 |
| Toluene | 0.0396 | 0.00200 | mg/Kg wet | 0.04000 | | 99 | 60-135 | | | | 1 |

Quality Control

(Continued)

Client: United Engineering Consultants, Inc.**Report Date:** 10/30/2020**Project:** UEC Analysis
19044**Matrix:** Solid**Work Order:** 20J0710**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: B0J0807 - SW5035 (Continued)**LCS (B0J0807-BS1) (Continued)**

Prepared: 10/21/2020 15:00 Analyzed: 10/21/2020 16:35

| | | | | | | | | | | | |
|-----------------------------------|--------|---------|-----------|---------|--|-----|--------|--|--|--|---|
| trans-1,2-Dichloroethene | 0.0422 | 0.00400 | mg/Kg wet | 0.04000 | | 105 | 55-145 | | | | 1 |
| Trichloroethene | 0.0404 | 0.00200 | mg/Kg wet | 0.04000 | | 101 | 70-130 | | | | 1 |
| Vinyl acetate | 0.0467 | 0.00400 | mg/Kg wet | 0.04000 | | 117 | 50-150 | | | | 1 |
| Vinyl chloride | 0.0423 | 0.00200 | mg/Kg wet | 0.04000 | | 106 | 45-140 | | | | 1 |
| Xylenes, Total | 0.124 | 0.0100 | mg/Kg wet | 0.1200 | | 103 | 70-135 | | | | 1 |
| 1,2-Dichloroethene, Total | 0.0843 | 0.00800 | mg/Kg wet | 0.08000 | | 105 | 55-135 | | | | 1 |
| <hr/> | | | | | | | | | | | |
| Surrogate: Dibromofluoromethane | 21.6 | | ug/Kg | 20.00 | | 108 | 78-137 | | | | 1 |
| Surrogate: 1,2-Dichloroethane-d4 | 20.8 | | ug/Kg | 20.00 | | 104 | 86-137 | | | | 1 |
| Surrogate: Fluorobenzene | 19.7 | | ug/Kg | 20.00 | | 99 | 80-120 | | | | 1 |
| Surrogate: Toluene-d8 | 19.9 | | ug/Kg | 20.00 | | 99 | 73-112 | | | | 1 |
| Surrogate: 4-Bromofluorobenzene | 9.89 | | ug/Kg | 10.00 | | 99 | 85-120 | | | | 1 |
| Surrogate: 1,2-Dichlorobenzene-d4 | 20.0 | | ug/Kg | 20.00 | | 100 | 85-128 | | | | 1 |

LCS Dup (B0J0807-BSD1)

Prepared: 10/21/2020 15:00 Analyzed: 10/21/2020 17:00

| | | | | | | | | | | | |
|-----------------------------|--------|---------|-----------|---------|--|-----|--------|------|----|--|---|
| 1,1,1-Trichloroethane | 0.0426 | 0.00400 | mg/Kg wet | 0.04000 | | 107 | 55-145 | 2 | 20 | | 1 |
| 1,1,1,2,2-Tetrachloroethane | 0.0391 | 0.00400 | mg/Kg wet | 0.04000 | | 98 | 40-145 | 4 | 20 | | 1 |
| 1,1,2-Trichloroethane | 0.0402 | 0.00400 | mg/Kg wet | 0.04000 | | 100 | 50-140 | 2 | 20 | | 1 |
| 1,1-Dichloroethane | 0.0409 | 0.00400 | mg/Kg wet | 0.04000 | | 102 | 65-135 | 0.3 | 20 | | 1 |
| 1,1-Dichloroethene | 0.0428 | 0.00400 | mg/Kg wet | 0.04000 | | 107 | 55-150 | 0.5 | 20 | | 1 |
| 1,2,4-Trimethylbenzene | 0.0435 | 0.00200 | mg/Kg wet | 0.04000 | | 109 | 55-145 | 3 | 20 | | 1 |
| 1,2-Dibromo-3-chloropropane | 0.0390 | 0.00400 | mg/Kg wet | 0.04000 | | 98 | 25-150 | 2 | 20 | | 1 |
| 1,2-Dibromoethane | 0.0409 | 0.00200 | mg/Kg wet | 0.04000 | | 102 | 60-135 | 0.6 | 20 | | 1 |
| 1,2-Dichloroethane | 0.0420 | 0.00100 | mg/Kg wet | 0.04000 | | 105 | 60-145 | 0.6 | 20 | | 1 |
| 1,2-Dichloropropane | 0.0406 | 0.00200 | mg/Kg wet | 0.04000 | | 102 | 65-125 | 0.8 | 20 | | 1 |
| 1,3,5-Trimethylbenzene | 0.0438 | 0.00200 | mg/Kg wet | 0.04000 | | 110 | 55-145 | 5 | 20 | | 1 |
| 1-Butanol | 0.386 | 0.0720 | mg/Kg wet | 0.4000 | | 97 | 70-130 | 16 | 20 | | 1 |
| 2-Butanone | 0.139 | 0.0140 | mg/Kg wet | 0.1400 | | 100 | 10-180 | 0.04 | 20 | | 1 |
| 2-Hexanone | 0.141 | 0.00700 | mg/Kg wet | 0.1400 | | 100 | 30-160 | 0.8 | 20 | | 1 |
| 4-Methyl-2-pentanone | 0.141 | 0.00700 | mg/Kg wet | 0.1400 | | 100 | 30-165 | 5 | 20 | | 1 |
| Acetone | 0.135 | 0.0350 | mg/Kg wet | 0.1400 | | 96 | 10-180 | 9 | 20 | | 1 |
| Acrylonitrile | 0.0419 | 0.00800 | mg/Kg wet | 0.04000 | | 105 | 70-130 | 3 | 20 | | 1 |
| Benzene | 0.0403 | 0.00200 | mg/Kg wet | 0.04000 | | 101 | 65-135 | 0.8 | 20 | | 1 |
| Bromodichloromethane | 0.0399 | 0.00200 | mg/Kg wet | 0.04000 | | 100 | 60-135 | 0.6 | 20 | | 1 |
| Bromoform | 0.0426 | 0.00200 | mg/Kg wet | 0.04000 | | 107 | 45-150 | 0.07 | 20 | | 1 |
| Carbon disulfide | 0.0427 | 0.00200 | mg/Kg wet | 0.04000 | | 107 | 30-180 | 1 | 20 | | 1 |
| Carbon tetrachloride | 0.0435 | 0.00200 | mg/Kg wet | 0.04000 | | 109 | 55-145 | 0.7 | 20 | | 1 |
| Chlorobenzene | 0.0408 | 0.00200 | mg/Kg wet | 0.04000 | | 102 | 65-130 | 0.2 | 20 | | 1 |
| Chloroform | 0.0415 | 0.00200 | mg/Kg wet | 0.04000 | | 104 | 65-135 | 1 | 20 | | 1 |
| cis-1,2-Dichloroethene | 0.0426 | 0.00400 | mg/Kg wet | 0.04000 | | 106 | 55-135 | 1 | 20 | | 1 |
| Dibromochloromethane | 0.0427 | 0.00400 | mg/Kg wet | 0.04000 | | 107 | 55-140 | 2 | 20 | | 1 |
| Ethylbenzene | 0.0416 | 0.00200 | mg/Kg wet | 0.04000 | | 104 | 65-135 | 0.5 | 20 | | 1 |
| m,p-Xylene | 0.0853 | 0.00800 | mg/Kg wet | 0.08000 | | 107 | 70-135 | 1 | 20 | | 1 |

Quality Control

(Continued)

Client: United Engineering Consultants, Inc.**Report Date:** 10/30/2020**Project:** UEC Analysis
19044**Matrix:** Solid**Work Order:** 20J0710**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: B0J0807 - SW5035 (Continued)**LCS Dup (B0J0807-BSD1) (Continued)**

Prepared: 10/21/2020 15:00 Analyzed: 10/21/2020 17:00

| | | | | | | | | | | | |
|-----------------------------------|--------|---------|-----------|---------|--|-----|--------|-----|----|--|---|
| Methyl tert-butyl ether | 0.0405 | 0.00200 | mg/Kg wet | 0.04000 | | 101 | 70-130 | 0.9 | 20 | | 1 |
| Methylene chloride | 0.0458 | 0.00400 | mg/Kg wet | 0.04000 | | 115 | 40-155 | 3 | 20 | | 1 |
| Naphthalene | 0.0392 | 0.00400 | mg/Kg wet | 0.04000 | | 98 | 25-140 | 3 | 20 | | 1 |
| o-Xylene | 0.0405 | 0.00200 | mg/Kg wet | 0.04000 | | 101 | 70-135 | 3 | 20 | | 1 |
| Styrene | 0.0405 | 0.00200 | mg/Kg wet | 0.04000 | | 101 | 65-135 | 0.7 | 20 | | 1 |
| Tetrachloroethene | 0.0372 | 0.00200 | mg/Kg wet | 0.04000 | | 93 | 55-150 | 1 | 20 | | 1 |
| Toluene | 0.0401 | 0.00200 | mg/Kg wet | 0.04000 | | 100 | 60-135 | 1 | 20 | | 1 |
| trans-1,2-Dichloroethene | 0.0419 | 0.00400 | mg/Kg wet | 0.04000 | | 105 | 55-145 | 0.6 | 20 | | 1 |
| Trichloroethene | 0.0400 | 0.00200 | mg/Kg wet | 0.04000 | | 100 | 70-130 | 0.7 | 20 | | 1 |
| Vinyl acetate | 0.0460 | 0.00400 | mg/Kg wet | 0.04000 | | 115 | 50-150 | 1 | 20 | | 1 |
| Vinyl chloride | 0.0410 | 0.00200 | mg/Kg wet | 0.04000 | | 103 | 45-140 | 3 | 20 | | 1 |
| Xylenes, Total | 0.126 | 0.0100 | mg/Kg wet | 0.1200 | | 105 | 70-135 | 2 | 20 | | 1 |
| 1,2-Dichloroethene, Total | 0.0845 | 0.00800 | mg/Kg wet | 0.08000 | | 106 | 55-135 | 0.2 | 20 | | 1 |
| <hr/> | | | | | | | | | | | |
| Surrogate: Dibromofluoromethane | 21.0 | | ug/Kg | 20.00 | | 105 | 78-137 | | | | 1 |
| Surrogate: 1,2-Dichloroethane-d4 | 19.4 | | ug/Kg | 20.00 | | 97 | 86-137 | | | | 1 |
| Surrogate: Fluorobenzene | 19.2 | | ug/Kg | 20.00 | | 96 | 80-120 | | | | 1 |
| Surrogate: Toluene-d8 | 19.7 | | ug/Kg | 20.00 | | 98 | 73-112 | | | | 1 |
| Surrogate: 4-Bromofluorobenzene | 10.1 | | ug/Kg | 10.00 | | 101 | 85-120 | | | | 1 |
| Surrogate: 1,2-Dichlorobenzene-d4 | 19.8 | | ug/Kg | 20.00 | | 99 | 85-128 | | | | 1 |

Batch: B0J1045 - SW5035**Blank (B0J1045-BLK1)**

Prepared: 10/28/2020 18:00 Analyzed: 10/29/2020 02:41

| | | | | | | | | | | | |
|-----------------------------|----------|--------|-----------|--|--|--|--|--|--|--|---|
| 1,1,1-Trichloroethane | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| 1,1,2,2-Tetrachloroethane | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| 1,1,2-Trichloroethane | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| 1,1-Dichloroethane | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| 1,1-Dichloroethene | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| 1,2,4-Trimethylbenzene | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| 1,2-Dibromo-3-chloropropane | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| 1,2-Dibromoethane | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| 1,2-Dichloroethane | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| 1,2-Dichloropropane | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| 1,3,5-Trimethylbenzene | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| 1-Butanol | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| 2-Butanone | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| 2-Hexanone | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| 4-Methyl-2-pentanone | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| Acetone | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| Acrylonitrile | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| Benzene | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| Bromodichloromethane | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |

Quality Control

(Continued)

Client: United Engineering Consultants, Inc.**Report Date:** 10/30/2020**Project:** UEC Analysis
19044**Matrix:** Solid**Work Order:** 20J0710**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: B0J1045 - SW5035 (Continued)**Blank (B0J1045-BLK1) (Continued)**

Prepared: 10/28/2020 18:00 Analyzed: 10/29/2020 02:41

| | | | | | | | | | | | |
|---------------------------|----------|--------|-----------|--|--|--|--|--|--|--|---|
| Bromoform | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| Carbon disulfide | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| Carbon tetrachloride | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| Chlorobenzene | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| Chloroform | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| cis-1,2-Dichloroethene | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| Dibromochloromethane | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| Ethylbenzene | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| m,p-Xylene | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| Methyl tert-butyl ether | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| Methylene chloride | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| Naphthalene | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| o-Xylene | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| Styrene | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| Tetrachloroethene | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| Toluene | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| trans-1,2-Dichloroethene | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| Trichloroethene | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| Vinyl acetate | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| Vinyl chloride | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| Xylenes, Total | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |
| 1,2-Dichloroethene, Total | < 0.0250 | 0.0250 | mg/Kg wet | | | | | | | | 1 |

| | | | | | | | | | | | |
|-----------------------------------|------|--|-------|-------|--|-----|--------|--|--|--|---|
| Surrogate: Dibromofluoromethane | 19.3 | | ug/Kg | 20.00 | | 97 | 78-137 | | | | 1 |
| Surrogate: 1,2-Dichloroethane-d4 | 19.0 | | ug/Kg | 20.00 | | 95 | 86-137 | | | | 1 |
| Surrogate: Fluorobenzene | 19.9 | | ug/Kg | 20.00 | | 100 | 80-120 | | | | 1 |
| Surrogate: Toluene-d8 | 20.1 | | ug/Kg | 20.00 | | 101 | 73-112 | | | | 1 |
| Surrogate: 4-Bromofluorobenzene | 9.97 | | ug/Kg | 10.00 | | 100 | 85-120 | | | | 1 |
| Surrogate: 1,2-Dichlorobenzene-d4 | 21.7 | | ug/Kg | 20.00 | | 108 | 85-128 | | | | 1 |

LCS (B0J1045-BS1)

Prepared: 10/28/2020 18:00 Analyzed: 10/29/2020 01:28

| | | | | | | | | | | | |
|-----------------------------|--------|--------|-----------|---------|--|-----|--------|--|--|--|---|
| 1,1,1-Trichloroethane | 0.0409 | 0.0250 | mg/Kg wet | 0.04000 | | 102 | 55-145 | | | | 1 |
| 1,1,2,2-Tetrachloroethane | 0.0413 | 0.0250 | mg/Kg wet | 0.04000 | | 103 | 40-145 | | | | 1 |
| 1,1,2-Trichloroethane | 0.0404 | 0.0250 | mg/Kg wet | 0.04000 | | 101 | 50-140 | | | | 1 |
| 1,1-Dichloroethane | 0.0417 | 0.0250 | mg/Kg wet | 0.04000 | | 104 | 65-135 | | | | 1 |
| 1,1-Dichloroethene | 0.0404 | 0.0250 | mg/Kg wet | 0.04000 | | 101 | 55-150 | | | | 1 |
| 1,2,4-Trimethylbenzene | 0.0408 | 0.0250 | mg/Kg wet | 0.04000 | | 102 | 55-145 | | | | 1 |
| 1,2-Dibromo-3-chloropropane | 0.0426 | 0.0250 | mg/Kg wet | 0.04000 | | 107 | 25-150 | | | | 1 |
| 1,2-Dibromoethane | 0.0403 | 0.0250 | mg/Kg wet | 0.04000 | | 101 | 60-135 | | | | 1 |
| 1,2-Dichloroethane | 0.0412 | 0.0250 | mg/Kg wet | 0.04000 | | 103 | 60-145 | | | | 1 |
| 1,2-Dichloropropane | 0.0434 | 0.0250 | mg/Kg wet | 0.04000 | | 108 | 65-125 | | | | 1 |
| 1,3,5-Trimethylbenzene | 0.0399 | 0.0250 | mg/Kg wet | 0.04000 | | 100 | 55-145 | | | | 1 |
| 1-Butanol | 0.438 | 0.0250 | mg/Kg wet | 0.4000 | | 109 | 70-130 | | | | 1 |

Quality Control

(Continued)

Client: United Engineering Consultants, Inc.**Report Date:** 10/30/2020**Project:** UEC Analysis
19044**Matrix:** Solid**Work Order:** 20J0710**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: B0J1045 - SW5035 (Continued)**LCS (B0J1045-BS1) (Continued)**

Prepared: 10/28/2020 18:00 Analyzed: 10/29/2020 01:28

| | | | | | | | | | | | |
|-----------------------------------|--------|--------|-----------|---------|--|-----|--------|--|--|--|---|
| 2-Butanone | 0.135 | 0.0250 | mg/Kg wet | 0.1400 | | 97 | 10-180 | | | | 1 |
| 2-Hexanone | 0.139 | 0.0250 | mg/Kg wet | 0.1400 | | 99 | 30-160 | | | | 1 |
| 4-Methyl-2-pentanone | 0.148 | 0.0250 | mg/Kg wet | 0.1400 | | 105 | 30-165 | | | | 1 |
| Acetone | 0.122 | 0.0250 | mg/Kg wet | 0.1400 | | 87 | 10-180 | | | | 1 |
| Acrylonitrile | 0.0427 | 0.0250 | mg/Kg wet | 0.04000 | | 107 | 70-130 | | | | 1 |
| Benzene | 0.0421 | 0.0250 | mg/Kg wet | 0.04000 | | 105 | 65-135 | | | | 1 |
| Bromodichloromethane | 0.0411 | 0.0250 | mg/Kg wet | 0.04000 | | 103 | 60-135 | | | | 1 |
| Bromoform | 0.0407 | 0.0250 | mg/Kg wet | 0.04000 | | 102 | 45-150 | | | | 1 |
| Carbon disulfide | 0.0442 | 0.0250 | mg/Kg wet | 0.04000 | | 111 | 30-180 | | | | 1 |
| Carbon tetrachloride | 0.0422 | 0.0250 | mg/Kg wet | 0.04000 | | 106 | 55-145 | | | | 1 |
| Chlorobenzene | 0.0412 | 0.0250 | mg/Kg wet | 0.04000 | | 103 | 65-130 | | | | 1 |
| Chloroform | 0.0424 | 0.0250 | mg/Kg wet | 0.04000 | | 106 | 65-135 | | | | 1 |
| cis-1,2-Dichloroethene | 0.0417 | 0.0250 | mg/Kg wet | 0.04000 | | 104 | 55-135 | | | | 1 |
| Dibromochloromethane | 0.0411 | 0.0250 | mg/Kg wet | 0.04000 | | 103 | 55-140 | | | | 1 |
| Ethylbenzene | 0.0404 | 0.0250 | mg/Kg wet | 0.04000 | | 101 | 65-135 | | | | 1 |
| m,p-Xylene | 0.0808 | 0.0250 | mg/Kg wet | 0.08000 | | 101 | 70-135 | | | | 1 |
| Methyl tert-butyl ether | 0.0419 | 0.0250 | mg/Kg wet | 0.04000 | | 105 | 70-130 | | | | 1 |
| Methylene chloride | 0.0371 | 0.0250 | mg/Kg wet | 0.04000 | | 93 | 40-155 | | | | 1 |
| Naphthalene | 0.0434 | 0.0250 | mg/Kg wet | 0.04000 | | 109 | 25-140 | | | | 1 |
| o-Xylene | 0.0414 | 0.0250 | mg/Kg wet | 0.04000 | | 103 | 70-135 | | | | 1 |
| Styrene | 0.0403 | 0.0250 | mg/Kg wet | 0.04000 | | 101 | 65-135 | | | | 1 |
| Tetrachloroethene | 0.0385 | 0.0250 | mg/Kg wet | 0.04000 | | 96 | 55-150 | | | | 1 |
| Toluene | 0.0403 | 0.0250 | mg/Kg wet | 0.04000 | | 101 | 60-135 | | | | 1 |
| trans-1,2-Dichloroethene | 0.0409 | 0.0250 | mg/Kg wet | 0.04000 | | 102 | 55-145 | | | | 1 |
| Trichloroethene | 0.0421 | 0.0250 | mg/Kg wet | 0.04000 | | 105 | 70-130 | | | | 1 |
| Vinyl acetate | 0.0475 | 0.0250 | mg/Kg wet | 0.04000 | | 119 | 50-150 | | | | 1 |
| Vinyl chloride | 0.0422 | 0.0250 | mg/Kg wet | 0.04000 | | 106 | 45-140 | | | | 1 |
| Xylenes, Total | 0.122 | 0.0250 | mg/Kg wet | 0.1200 | | 102 | 70-135 | | | | 1 |
| 1,2-Dichloroethene, Total | 0.0826 | 0.0250 | mg/Kg wet | 0.08000 | | 103 | 55-135 | | | | 1 |
| <hr/> | | | | | | | | | | | |
| Surrogate: Dibromofluoromethane | 20.0 | | ug/Kg | 20.00 | | 100 | 78-137 | | | | 1 |
| Surrogate: 1,2-Dichloroethane-d4 | 19.6 | | ug/Kg | 20.00 | | 98 | 86-137 | | | | 1 |
| Surrogate: Fluorobenzene | 20.2 | | ug/Kg | 20.00 | | 101 | 80-120 | | | | 1 |
| Surrogate: Toluene-d8 | 19.9 | | ug/Kg | 20.00 | | 100 | 73-112 | | | | 1 |
| Surrogate: 4-Bromofluorobenzene | 9.62 | | ug/Kg | 10.00 | | 96 | 85-120 | | | | 1 |
| Surrogate: 1,2-Dichlorobenzene-d4 | 20.0 | | ug/Kg | 20.00 | | 100 | 85-128 | | | | 1 |

LCS Dup (B0J1045-BSD1)

Prepared: 10/28/2020 18:00 Analyzed: 10/29/2020 01:52

| | | | | | | | | | | | |
|---------------------------|--------|--------|-----------|---------|--|-----|--------|-----|----|--|---|
| 1,1,1-Trichloroethane | 0.0399 | 0.0250 | mg/Kg wet | 0.04000 | | 100 | 55-145 | 2 | 20 | | 1 |
| 1,1,2,2-Tetrachloroethane | 0.0407 | 0.0250 | mg/Kg wet | 0.04000 | | 102 | 40-145 | 2 | 20 | | 1 |
| 1,1,2-Trichloroethane | 0.0402 | 0.0250 | mg/Kg wet | 0.04000 | | 100 | 50-140 | 0.6 | 20 | | 1 |
| 1,1-Dichloroethane | 0.0406 | 0.0250 | mg/Kg wet | 0.04000 | | 102 | 65-135 | 3 | 20 | | 1 |
| 1,1-Dichloroethene | 0.0401 | 0.0250 | mg/Kg wet | 0.04000 | | 100 | 55-150 | 0.8 | 20 | | 1 |

Quality Control

(Continued)

Client: United Engineering Consultants, Inc.**Report Date:** 10/30/2020**Project:** UEC Analysis
19044**Matrix:** Solid**Work Order:** 20J0710**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: B0J1045 - SW5035 (Continued)**LCS Dup (B0J1045-BSD1) (Continued)**

Prepared: 10/28/2020 18:00 Analyzed: 10/29/2020 01:52

| | | | | | | | | | | | |
|-----------------------------------|--------|--------|-----------|---------|--|-----|--------|-----|----|--|---|
| 1,2,4-Trimethylbenzene | 0.0415 | 0.0250 | mg/Kg wet | 0.04000 | | 104 | 55-145 | 2 | 20 | | 1 |
| 1,2-Dibromo-3-chloropropane | 0.0400 | 0.0250 | mg/Kg wet | 0.04000 | | 100 | 25-150 | 6 | 20 | | 1 |
| 1,2-Dibromoethane | 0.0410 | 0.0250 | mg/Kg wet | 0.04000 | | 102 | 60-135 | 2 | 20 | | 1 |
| 1,2-Dichloroethane | 0.0410 | 0.0250 | mg/Kg wet | 0.04000 | | 103 | 60-145 | 0.2 | 20 | | 1 |
| 1,2-Dichloropropane | 0.0417 | 0.0250 | mg/Kg wet | 0.04000 | | 104 | 65-125 | 4 | 20 | | 1 |
| 1,3,5-Trimethylbenzene | 0.0406 | 0.0250 | mg/Kg wet | 0.04000 | | 101 | 55-145 | 2 | 20 | | 1 |
| 1-Butanol | 0.448 | 0.0250 | mg/Kg wet | 0.4000 | | 112 | 70-130 | 2 | 20 | | 1 |
| 2-Butanone | 0.138 | 0.0250 | mg/Kg wet | 0.1400 | | 99 | 10-180 | 2 | 20 | | 1 |
| 2-Hexanone | 0.142 | 0.0250 | mg/Kg wet | 0.1400 | | 102 | 30-160 | 3 | 20 | | 1 |
| 4-Methyl-2-pentanone | 0.145 | 0.0250 | mg/Kg wet | 0.1400 | | 104 | 30-165 | 2 | 20 | | 1 |
| Acetone | 0.123 | 0.0250 | mg/Kg wet | 0.1400 | | 88 | 10-180 | 0.7 | 20 | | 1 |
| Acrylonitrile | 0.0416 | 0.0250 | mg/Kg wet | 0.04000 | | 104 | 70-130 | 3 | 20 | | 1 |
| Benzene | 0.0411 | 0.0250 | mg/Kg wet | 0.04000 | | 103 | 65-135 | 2 | 20 | | 1 |
| Bromodichloromethane | 0.0405 | 0.0250 | mg/Kg wet | 0.04000 | | 101 | 60-135 | 1 | 20 | | 1 |
| Bromoform | 0.0408 | 0.0250 | mg/Kg wet | 0.04000 | | 102 | 45-150 | 0.3 | 20 | | 1 |
| Carbon disulfide | 0.0426 | 0.0250 | mg/Kg wet | 0.04000 | | 107 | 30-180 | 4 | 20 | | 1 |
| Carbon tetrachloride | 0.0395 | 0.0250 | mg/Kg wet | 0.04000 | | 99 | 55-145 | 7 | 20 | | 1 |
| Chlorobenzene | 0.0416 | 0.0250 | mg/Kg wet | 0.04000 | | 104 | 65-130 | 0.9 | 20 | | 1 |
| Chloroform | 0.0415 | 0.0250 | mg/Kg wet | 0.04000 | | 104 | 65-135 | 2 | 20 | | 1 |
| cis-1,2-Dichloroethene | 0.0419 | 0.0250 | mg/Kg wet | 0.04000 | | 105 | 55-135 | 0.4 | 20 | | 1 |
| Dibromochloromethane | 0.0408 | 0.0250 | mg/Kg wet | 0.04000 | | 102 | 55-140 | 0.8 | 20 | | 1 |
| Ethylbenzene | 0.0407 | 0.0250 | mg/Kg wet | 0.04000 | | 102 | 65-135 | 0.7 | 20 | | 1 |
| m,p-Xylene | 0.0810 | 0.0250 | mg/Kg wet | 0.08000 | | 101 | 70-135 | 0.3 | 20 | | 1 |
| Methyl tert-butyl ether | 0.0417 | 0.0250 | mg/Kg wet | 0.04000 | | 104 | 70-130 | 0.5 | 20 | | 1 |
| Methylene chloride | 0.0369 | 0.0250 | mg/Kg wet | 0.04000 | | 92 | 40-155 | 0.6 | 20 | | 1 |
| Naphthalene | 0.0438 | 0.0250 | mg/Kg wet | 0.04000 | | 109 | 25-140 | 0.7 | 20 | | 1 |
| o-Xylene | 0.0410 | 0.0250 | mg/Kg wet | 0.04000 | | 103 | 70-135 | 0.9 | 20 | | 1 |
| Styrene | 0.0412 | 0.0250 | mg/Kg wet | 0.04000 | | 103 | 65-135 | 2 | 20 | | 1 |
| Tetrachloroethene | 0.0396 | 0.0250 | mg/Kg wet | 0.04000 | | 99 | 55-150 | 3 | 20 | | 1 |
| Toluene | 0.0406 | 0.0250 | mg/Kg wet | 0.04000 | | 102 | 60-135 | 0.7 | 20 | | 1 |
| trans-1,2-Dichloroethene | 0.0406 | 0.0250 | mg/Kg wet | 0.04000 | | 102 | 55-145 | 0.6 | 20 | | 1 |
| Trichloroethene | 0.0404 | 0.0250 | mg/Kg wet | 0.04000 | | 101 | 70-130 | 4 | 20 | | 1 |
| Vinyl acetate | 0.0459 | 0.0250 | mg/Kg wet | 0.04000 | | 115 | 50-150 | 3 | 20 | | 1 |
| Vinyl chloride | 0.0417 | 0.0250 | mg/Kg wet | 0.04000 | | 104 | 45-140 | 1 | 20 | | 1 |
| Xylenes, Total | 0.122 | 0.0250 | mg/Kg wet | 0.1200 | | 102 | 70-135 | 0.1 | 20 | | 1 |
| 1,2-Dichloroethene, Total | 0.0825 | 0.0250 | mg/Kg wet | 0.08000 | | 103 | 55-135 | 0.1 | 20 | | 1 |
| Surrogate: Dibromofluoromethane | 20.3 | | ug/Kg | 20.00 | | 102 | 78-137 | | | | 1 |
| Surrogate: 1,2-Dichloroethane-d4 | 19.7 | | ug/Kg | 20.00 | | 99 | 86-137 | | | | 1 |
| Surrogate: Fluorobenzene | 19.9 | | ug/Kg | 20.00 | | 100 | 80-120 | | | | 1 |
| Surrogate: Toluene-d8 | 20.5 | | ug/Kg | 20.00 | | 102 | 73-112 | | | | 1 |
| Surrogate: 4-Bromofluorobenzene | 9.76 | | ug/Kg | 10.00 | | 98 | 85-120 | | | | 1 |
| Surrogate: 1,2-Dichlorobenzene-d4 | 20.3 | | ug/Kg | 20.00 | | 101 | 85-128 | | | | 1 |

Certified Analyses included in this Report

| Analyte | CAS # | Certifications |
|--|-------------|----------------|
| SM2540G in Solid | | |
| Total Solids | Moist | WDNR,DoD |
| SW-846 8260B/WDNR: PUBL-FW-140 in Solid | | |
| 1,1,1-Trichloroethane | 71-55-6 | WDNR |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | WDNR |
| 1,1,2-Trichloroethane | 79-00-5 | WDNR |
| 1,1-Dichloroethane | 75-34-3 | WDNR |
| 1,1-Dichloroethene | 75-35-4 | WDNR |
| 1,2,4-Trimethylbenzene | 95-63-6 | WDNR |
| 1,2-Dibromo-3-chloropropane | 96-12-8 | WDNR |
| 1,2-Dibromoethane | 106-93-4 | WDNR |
| 1,2-Dichloroethane | 107-06-2 | WDNR |
| 1,2-Dichloropropane | 78-87-5 | WDNR |
| 1,3,5-Trimethylbenzene | 108-67-8 | WDNR |
| 1-Butanol | 71-36-3 | WDNR |
| 2-Butanone | 78-93-3 | WDNR |
| 2-Hexanone | 591-78-6 | WDNR |
| 4-Methyl-2-pentanone | 108-10-1 | WDNR |
| Acetone | 67-64-1 | WDNR |
| Acrylonitrile | 107-13-1 | WDNR |
| Benzene | 71-43-2 | WDNR |
| Bromodichloromethane | 75-27-4 | WDNR |
| Bromoform | 75-25-2 | WDNR |
| Carbon disulfide | 75-15-0 | WDNR |
| Carbon tetrachloride | 56-23-5 | WDNR |
| Chlorobenzene | 108-90-7 | WDNR |
| Chloroform | 67-66-3 | WDNR |
| cis-1,2-Dichloroethene | 156-59-2 | WDNR |
| Dibromochloromethane | 124-48-1 | WDNR |
| Ethylbenzene | 100-41-4 | WDNR |
| m,p-Xylene | 179601-23-1 | WDNR |
| Methyl tert-butyl ether | 1634-04-4 | WDNR |
| Methylene chloride | 75-09-2 | WDNR |
| Naphthalene | 91-20-3 | 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 |

Certified Analyses included in this Report (Continued)

| Analyte | CAS # | Certifications |
|--|-----------|----------------|
| SW-846 8260B/WDNR: PUBL-FW-140 in Solid (Continued) | | |
| Vinyl chloride | 75-01-4 | WDNR |
| 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 | 05/31/2022 |
| CPSC | US Consumer Product Safety Commission, Accredited by PJLA Lab No. 1050 | L18-184-R1 | 03/31/2021 |
| DoD | Department of Defense, Accredited by PJLA | L18-183-R3 | 03/31/2021 |
| ILEPA | State of Illinois, NELAP Accredited Lab No. 100256 | 1002562020-3 | 07/27/2021 |
| ISO | ISO/IEC 17025, Accredited by PJLA | L18-184-R1 | 03/31/2021 |
| TX | Texas Commission of Environmental Quality | T104704554-20-5 | 10/31/2021 |
| WA | Washington State Department of Ecology | C1057 | 01/05/2021 |
| WDNR | State of Wisconsin Dept of Natural Resources | 999888890 | 08/31/2021 |

Qualifiers and Definitions

| Item | Description |
|------|------------------|
| %Rec | Percent Recovery |



ENVIRONMENTAL MONITORING TECHNOLOGIES

509 N. 3rd Avenue
Des Plaines, IL 60016



20J0710

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

Chain of Custody Record

6666
-967-6735
t.com

TURNAROUND TIME:
 RUSH
 _____ day turnaround
 ROUTINE

Due Date: _____ COC #: **237625**

Company: UEC, INC.
 Address: 2938 S 166TH STREET
NEW BERLIN, WI 53151
 Phone #: (262) 785-1447 Fax #: () _____
 P.O. #: _____ Proj. #: _____
 Client Contact: T. ANDERSON
 Project ID / Location: -19044

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

EMT
USE
ONLY

EMT
WORKORDER

20J0710

| Sample I.D. | Sample Type | Container | | | Sampling | | | | | | Preservation | | EMT USE ONLY |
|--------------|-------------|-----------|------|-----|----------|----------|-------|----|-------|-------|--------------|---|--------------|
| | | Size | Type | No. | By | Date | Time | pH | Temp. | Field | Lab | | |
| GP-4 3'-4' | 3 | 40mL/4oz | G | 1/1 | KH | 10/19/20 | 10:30 | - | - | 6/- | | ✓ | 01AB |
| GP-4 6'-7' | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 11:00 | - | - | ↓ | | ✓ | 02AB |
| GP-4 10'-11' | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 11:30 | - | - | ↓ | | ✓ | 03AB |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

| | | | | | |
|-------------------------------------|-----------------------|--|-------------------------|------------------|---|
| Relinquished By: <u>[Signature]</u> | Date: <u>10-21-20</u> | Received By: <u>[Signature]</u> | Date: <u>10-21-20</u> | EMT USE ONLY | <input checked="" type="checkbox"/> SAMPLE RECEIVED ON ICE <input type="checkbox"/> TEMPERATURE <u>2.3</u> EMT SAMPLE RETURN POLICY ON BACK |
| Relinquished By: <u>[Signature]</u> | Date: <u>10-21-20</u> | Received By: | Date: - - | Client Code: | |
| Relinquished By: | Date: - - | Received For Lab By: <u>Agnieszka Zabawa</u> | Date: <u>10-21-2020</u> | EMT Project I.D. | |

SPECIAL INSTRUCTIONS:

Sample Receipt Checklist

Work Order: 20J0710

Printed: 10/21/2020 4:56:56PM

Client: United Engineering Consultants, Inc.
Project: UEC Analysis**Date Due: Friday, October 30, 2020****Received By: Agnieszka B. Zabawa**
Logged In By: Agnieszka B. Zabawa**Date Received: 10/21/20 14:55**
Date Logged In: 10/21/20 16:56

| | |
|----------------------------------|-------|
| Sample Temperature at Receipt: | 2.3°C |
| How were samples received? | EMT |
| Custody Seals Present | No |
| Custody Seals Intact | NA |
| Sample Containers Intact | Yes |
| COC Present and Complete | Yes |
| COC agrees with Sample Labels | Yes |
| Containers Properly Preserved | Yes |
| Samples Received Within Holdtime | Yes |
| Cooler Temp Within Limits | Yes |
| VOA Water Vials Received | No |

Comments

ABZ

10/21/2020

Analytical Report

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

November 02, 2020

Work Order: 20J0829

RE: Waste Characterization
19044

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: 11/2/2020 3:36:58PM

Approved by,



Matthew Gregory
Technical Manager

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

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

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Sample Summary

| <u>Sample ID</u> | <u>Laboratory ID</u> | <u>Matrix</u> | <u>Date Sampled</u> | <u>Date Received</u> |
|------------------|----------------------|---------------|---------------------|----------------------|
| MW-1 | 20J0829-01 | Groundwater | 10/23/20 12:15 | 10/26/20 11:40 |
| MW-2 | 20J0829-02 | Groundwater | 10/23/20 12:30 | 10/26/20 11:40 |
| MW-3 | 20J0829-03 | Groundwater | 10/23/20 12:45 | 10/26/20 11:40 |
| MW-4 | 20J0829-04 | Groundwater | 10/23/20 11:45 | 10/26/20 11:40 |
| MW-4 Dup. | 20J0829-05 | Groundwater | 10/23/20 12:00 | 10/26/20 11:40 |
| Trip Blank | 20J0829-06 | Groundwater | 10/23/20 00:00 | 10/26/20 11:40 |

Case Narrative

Client: United Engineering Consultants, Inc.

Date: 11/02/2020

Project: Waste Characterization
19044

Work Order: 20J0829

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: 20J0829

The samples were received on 10/26/20 11:40. 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 | 2.7 |

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

GC-MS Volatiles

WDNR VOC

BOJ1053-BS1-BSD1 had recoveries for 1,3,5-Trimethylbenzene and Carbon disulfide below the lab control limits. Both compounds had acceptable CCV recoveries and if one was out in the BS1, it was acceptable in the BSD1; neither compound had low recovery for both LCS standards. Some RPD recoveries were above the laboratory control limit in the BSD1. The two outlier recoveries can be considered to be within acceptable marginal exceedance with the number of target analytes requested.

Client Sample Results

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20J0829

Client Sample ID: MW-1
Report Date: 11/02/2020
Collection Date: 10/23/2020 12:15
Matrix: Groundwater
Lab ID: 20J0829-01

| Analyses | Result | EMT Reporting | | Units | Reg Limit | MDL | Date/Time Analyzed | Batch | Analyst | DF |
|--|---------|---------------|------|-------|-----------|-------|--------------------|---------|---------|----|
| | | Limit | Qual | | | | | | | |
| Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 | | | | | | | | | | |
| 1,1,1-Trichloroethane | < 0.349 | 2.00 | | ug/L | | 0.349 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| 1,1,2,2-Tetrachloroethane | < 0.291 | 2.00 | | ug/L | | 0.291 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| 1,1,2-Trichloroethane | < 0.264 | 2.00 | | ug/L | | 0.264 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| 1,1-Dichloroethane | < 1.94 | 8.00 | | ug/L | | 1.94 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| 1,1-Dichloroethene | < 1.02 | 4.00 | | ug/L | | 1.02 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| 1,2,4-Trimethylbenzene | < 0.338 | 2.00 | | ug/L | | 0.338 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| 1,2-Dibromo-3-chloropropane | < 0.488 | 2.00 | | ug/L | | 0.488 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| 1,2-Dibromoethane | < 0.320 | 2.00 | | ug/L | | 0.320 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| 1,2-Dichloroethane | < 0.274 | 2.00 | | ug/L | | 0.274 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| 1,2-Dichloropropane | < 1.11 | 4.00 | | ug/L | | 1.11 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| 1,3,5-Trimethylbenzene | < 0.310 | 2.00 | Q | ug/L | | 0.310 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| 1-Butanol | < 6.69 | 90.0 | | ug/L | | 6.69 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| 2-Butanone | < 1.38 | 8.00 | | ug/L | | 1.38 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| 2-Hexanone | < 1.04 | 8.00 | | ug/L | | 1.04 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| 4-Methyl-2-pentanone | < 0.660 | 28.0 | | ug/L | | 0.660 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| Acetone | < 3.75 | 28.0 | | ug/L | | 3.75 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| Acrolein | < 6.63 | 20.0 | | ug/L | | 6.63 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| Acrylonitrile | < 0.742 | 4.00 | | ug/L | | 0.742 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| Benzene | < 0.370 | 2.00 | | ug/L | | 0.370 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| Bromodichloromethane | < 0.310 | 2.00 | | ug/L | | 0.310 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| Bromoform | < 0.254 | 2.00 | | ug/L | | 0.254 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| Bromomethane | < 3.30 | 20.0 | | ug/L | | 3.30 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| Carbon disulfide | < 0.259 | 2.00 | Q | ug/L | | 0.259 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| Carbon tetrachloride | < 0.390 | 2.00 | | ug/L | | 0.390 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| Chlorobenzene | < 0.358 | 2.00 | | ug/L | | 0.358 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| Chloroethane | < 0.906 | 4.00 | | ug/L | | 0.906 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| Chloroform | < 0.397 | 2.00 | | ug/L | | 0.397 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| Chloromethane | < 2.23 | 8.00 | | ug/L | | 2.23 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| cis-1,2-Dichloroethene | < 0.421 | 2.00 | | ug/L | | 0.421 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| cis-1,3-Dichloropropene | < 0.278 | 2.00 | | ug/L | | 0.278 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| Dibromochloromethane | < 0.492 | 2.00 | | ug/L | | 0.492 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| Ethylbenzene | < 0.431 | 2.00 | | ug/L | | 0.431 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| m,p-Xylene | < 0.310 | 4.00 | | ug/L | | 0.310 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| Methyl tert-butyl ether | < 0.322 | 2.00 | | ug/L | | 0.322 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| Methylene chloride | < 0.358 | 2.00 | | ug/L | | 0.358 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| Naphthalene | < 0.377 | 2.00 | | ug/L | | 0.377 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| o-Xylene | < 0.349 | 2.00 | | ug/L | | 0.349 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| Styrene | < 0.534 | 4.00 | | ug/L | | 0.534 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| Tetrachloroethene | < 0.400 | 2.00 | | ug/L | | 0.400 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| Toluene | < 0.299 | 2.00 | | ug/L | | 0.299 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| trans-1,2-Dichloroethene | < 0.433 | 2.00 | | ug/L | | 0.433 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| trans-1,3-Dichloropropene | < 0.314 | 2.00 | | ug/L | | 0.314 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |
| Trichloroethene | < 0.439 | 2.00 | | ug/L | | 0.439 | 10/30/20 09:05 | B0J1053 | WZZ | 1 |

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20J0829

Client Sample ID: MW-1
Report Date: 11/02/2020
Collection Date: 10/23/2020 12:15
Matrix: Groundwater
Lab ID: 20J0829-01 (Continued)

| Analyses | EMT | | Qual | Units | Reg Limit | MDL | Date/Time Analyzed | Batch | Analyst | DF |
|---|---------|--------------------|------|-------|----------------|----------------|-----------------------|---------|---------|----|
| | Result | Reporting Limit | | | | | | | | |
| Volatile Organic Compounds by GC/MS (Continued) | | | | | | | | | | |
| Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 (Continued) | | | | | | | | | | |
| Vinyl acetate | < 1.01 | 8.00 | | ug/L | | 1.01 | 10/30/20 09:05 | BOJ1053 | WZZ | 1 |
| Vinyl chloride | < 0.316 | 2.00 | | ug/L | | 0.316 | 10/30/20 09:05 | BOJ1053 | WZZ | 1 |
| Xylenes, Total | < 0.660 | 6.00 | | ug/L | | 0.660 | 10/30/20 09:05 | BOJ1053 | WZZ | 1 |
| 1,3-Dichloropropene, Total | < 0.592 | 4.00 | | ug/L | | 0.592 | 10/30/20 09:05 | BOJ1053 | WZZ | 1 |
| Surrogate: Dibromofluoromethane | | | | | Recovery: 102% | Limits: 80-135 | 10/30/20 09:05 | BOJ1053 | WZZ | 1 |
| Surrogate: 1,2-Dichloroethane-d4 | | | | | Recovery: 98% | Limits: 86-132 | 10/30/20 09:05 | BOJ1053 | WZZ | 1 |
| Surrogate: Fluorobenzene | | | | | Recovery: 99% | Limits: 80-116 | 10/30/20 09:05 | BOJ1053 | WZZ | 1 |
| Surrogate: Toluene-d8 | | | | | Recovery: 98% | Limits: 73-120 | 10/30/20 09:05 | BOJ1053 | WZZ | 1 |
| Surrogate: 4-Bromofluorobenzene | | | | | Recovery: 110% | Limits: 85-114 | 10/30/20 09:05 | BOJ1053 | WZZ | 1 |
| Surrogate: 1,2-Dichlorobenzene-d4 | | | | | Recovery: 96% | Limits: 88-136 | 10/30/20 09:05 | BOJ1053 | WZZ | 1 |

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20J0829

Client Sample ID: MW-2
Report Date: 11/02/2020
Collection Date: 10/23/2020 12:30
Matrix: Groundwater
Lab ID: 20J0829-02

| Analyses | Result | EMT | | Units | Reg Limit | MDL | Date/Time Analyzed | Batch | Analyst | DF |
|---|--------------|--------------------|------|-------|--------------|-------|-----------------------|---------|---------|----|
| | | Reporting Limit | Qual | | | | | | | |
| Volatile Organic Compounds by GC/MS | | | | | | | | | | |
| Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 | | | | | | | | | | |
| 1,1,1-Trichloroethane | < 0.349 | 2.00 | | ug/L | | 0.349 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| 1,1,2,2-Tetrachloroethane | < 0.291 | 2.00 | | ug/L | | 0.291 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| 1,1,2-Trichloroethane | < 0.264 | 2.00 | | ug/L | | 0.264 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| 1,1-Dichloroethane | < 1.94 | 8.00 | | ug/L | | 1.94 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| 1,1-Dichloroethene | < 1.02 | 4.00 | | ug/L | | 1.02 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| 1,2,4-Trimethylbenzene | < 0.338 | 2.00 | | ug/L | | 0.338 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| 1,2-Dibromo-3-chloropropane | < 0.488 | 2.00 | | ug/L | | 0.488 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| 1,2-Dibromoethane | < 0.320 | 2.00 | | ug/L | | 0.320 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| 1,2-Dichloroethane | < 0.274 | 2.00 | | ug/L | | 0.274 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| 1,2-Dichloropropane | < 1.11 | 4.00 | | ug/L | | 1.11 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| 1,3,5-Trimethylbenzene | < 0.310 | 2.00 | Q | ug/L | | 0.310 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| 1-Butanol | < 6.69 | 90.0 | | ug/L | | 6.69 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| 2-Butanone | < 1.38 | 8.00 | | ug/L | | 1.38 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| 2-Hexanone | < 1.04 | 8.00 | | ug/L | | 1.04 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| 4-Methyl-2-pentanone | < 0.660 | 28.0 | | ug/L | | 0.660 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| Acetone | < 3.75 | 28.0 | | ug/L | | 3.75 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| Acrolein | < 6.63 | 20.0 | | ug/L | | 6.63 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| Acrylonitrile | < 0.742 | 4.00 | | ug/L | | 0.742 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| Benzene | < 0.370 | 2.00 | | ug/L | | 0.370 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| Bromodichloromethane | < 0.310 | 2.00 | | ug/L | | 0.310 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| Bromoform | < 0.254 | 2.00 | | ug/L | | 0.254 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| Bromomethane | < 3.30 | 20.0 | | ug/L | | 3.30 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| Carbon disulfide | < 0.259 | 2.00 | Q | ug/L | | 0.259 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| Carbon tetrachloride | < 0.390 | 2.00 | | ug/L | | 0.390 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| Chlorobenzene | < 0.358 | 2.00 | | ug/L | | 0.358 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| Chloroethane | < 0.906 | 4.00 | | ug/L | | 0.906 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| Chloroform | < 0.397 | 2.00 | | ug/L | | 0.397 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| Chloromethane | < 2.23 | 8.00 | | ug/L | | 2.23 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| cis-1,2-Dichloroethene | 4.65 | 2.00 | | ug/L | | 0.421 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| cis-1,3-Dichloropropene | < 0.278 | 2.00 | | ug/L | | 0.278 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| Dibromochloromethane | < 0.492 | 2.00 | | ug/L | | 0.492 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| Ethylbenzene | < 0.431 | 2.00 | | ug/L | | 0.431 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| m,p-Xylene | < 0.310 | 4.00 | | ug/L | | 0.310 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| Methyl tert-butyl ether | < 0.322 | 2.00 | | ug/L | | 0.322 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| Methylene chloride | < 0.358 | 2.00 | | ug/L | | 0.358 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| Naphthalene | < 0.377 | 2.00 | | ug/L | | 0.377 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| o-Xylene | < 0.349 | 2.00 | | ug/L | | 0.349 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| Styrene | < 0.534 | 4.00 | | ug/L | | 0.534 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| Tetrachloroethene | 81.2 | 2.00 | | ug/L | | 0.400 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| Toluene | < 0.299 | 2.00 | | ug/L | | 0.299 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| trans-1,2-Dichloroethene | 0.506 | 2.00 | J | ug/L | | 0.433 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| trans-1,3-Dichloropropene | < 0.314 | 2.00 | | ug/L | | 0.314 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |
| Trichloroethene | 26.3 | 2.00 | | ug/L | | 0.439 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 |

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20J0829

Client Sample ID: MW-2
Report Date: 11/02/2020
Collection Date: 10/23/2020 12:30
Matrix: Groundwater
Lab ID: 20J0829-02 (Continued)

| Analyses | EMT | | | Reg Limit | MDL | Date/Time Analyzed | Batch | Analyst | DF | |
|---|---------|--------------------|------------|----------------|----------------|-----------------------|---------|---------|----|--|
| | Result | Reporting Limit | Qual Units | | | | | | | |
| Volatile Organic Compounds by GC/MS (Continued) | | | | | | | | | | |
| Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 (Continued) | | | | | | | | | | |
| Vinyl acetate | < 1.01 | 8.00 | ug/L | | 1.01 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 | |
| Vinyl chloride | < 0.316 | 2.00 | ug/L | | 0.316 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 | |
| Xylenes, Total | < 0.660 | 6.00 | ug/L | | 0.660 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 | |
| 1,3-Dichloropropene, Total | < 0.592 | 4.00 | ug/L | | 0.592 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 | |
| Surrogate: Dibromofluoromethane | | | | Recovery: 99% | Limits: 80-135 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 | |
| Surrogate: 1,2-Dichloroethane-d4 | | | | Recovery: 98% | Limits: 86-132 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 | |
| Surrogate: Fluorobenzene | | | | Recovery: 101% | Limits: 80-116 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 | |
| Surrogate: Toluene-d8 | | | | Recovery: 96% | Limits: 73-120 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 | |
| Surrogate: 4-Bromofluorobenzene | | | | Recovery: 108% | Limits: 85-114 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 | |
| Surrogate: 1,2-Dichlorobenzene-d4 | | | | Recovery: 93% | Limits: 88-136 | 10/30/20 08:40 | BOJ1053 | WZZ | 1 | |

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20J0829

Client Sample ID: MW-3
Report Date: 11/02/2020
Collection Date: 10/23/2020 12:45
Matrix: Groundwater
Lab ID: 20J0829-03

| Analyses | Result | EMT Reporting | | Qual | Units | Reg Limit | MDL | Date/Time Analyzed | Batch | Analyst | DF |
|--|---------|---------------|-------|------|-------|-----------|-------|--------------------|---------|---------|----|
| | | Limit | Limit | | | | | | | | |
| Volatile Organic Compounds by GC/MS | | | | | | | | | | | |
| Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 | | | | | | | | | | | |
| 1,1,1-Trichloroethane | < 0.349 | 2.00 | | | ug/L | | 0.349 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| 1,1,2,2-Tetrachloroethane | < 0.291 | 2.00 | | | ug/L | | 0.291 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| 1,1,2-Trichloroethane | < 0.264 | 2.00 | | | ug/L | | 0.264 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| 1,1-Dichloroethane | < 1.94 | 8.00 | | | ug/L | | 1.94 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| 1,1-Dichloroethene | < 1.02 | 4.00 | | | ug/L | | 1.02 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| 1,2,4-Trimethylbenzene | < 0.338 | 2.00 | | | ug/L | | 0.338 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| 1,2-Dibromo-3-chloropropane | < 0.488 | 2.00 | | | ug/L | | 0.488 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| 1,2-Dibromoethane | < 0.320 | 2.00 | | | ug/L | | 0.320 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| 1,2-Dichloroethane | < 0.274 | 2.00 | | | ug/L | | 0.274 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| 1,2-Dichloropropane | < 1.11 | 4.00 | | | ug/L | | 1.11 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| 1,3,5-Trimethylbenzene | < 0.310 | 2.00 | Q | | ug/L | | 0.310 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| 1-Butanol | < 6.69 | 90.0 | | | ug/L | | 6.69 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| 2-Butanone | < 1.38 | 8.00 | | | ug/L | | 1.38 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| 2-Hexanone | < 1.04 | 8.00 | | | ug/L | | 1.04 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| 4-Methyl-2-pentanone | < 0.660 | 28.0 | | | ug/L | | 0.660 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| Acetone | < 3.75 | 28.0 | | | ug/L | | 3.75 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| Acrolein | < 6.63 | 20.0 | | | ug/L | | 6.63 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| Acrylonitrile | < 0.742 | 4.00 | | | ug/L | | 0.742 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| Benzene | < 0.370 | 2.00 | | | ug/L | | 0.370 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| Bromodichloromethane | < 0.310 | 2.00 | | | ug/L | | 0.310 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| Bromoform | < 0.254 | 2.00 | | | ug/L | | 0.254 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| Bromomethane | < 3.30 | 20.0 | | | ug/L | | 3.30 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| Carbon disulfide | < 0.259 | 2.00 | Q | | ug/L | | 0.259 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| Carbon tetrachloride | < 0.390 | 2.00 | | | ug/L | | 0.390 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| Chlorobenzene | < 0.358 | 2.00 | | | ug/L | | 0.358 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| Chloroethane | < 0.906 | 4.00 | | | ug/L | | 0.906 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| Chloroform | < 0.397 | 2.00 | | | ug/L | | 0.397 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| Chloromethane | < 2.23 | 8.00 | | | ug/L | | 2.23 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| cis-1,2-Dichloroethene | < 0.421 | 2.00 | | | ug/L | | 0.421 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| cis-1,3-Dichloropropene | < 0.278 | 2.00 | | | ug/L | | 0.278 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| Dibromochloromethane | < 0.492 | 2.00 | | | ug/L | | 0.492 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| Ethylbenzene | < 0.431 | 2.00 | | | ug/L | | 0.431 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| m,p-Xylene | < 0.310 | 4.00 | | | ug/L | | 0.310 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| Methyl tert-butyl ether | < 0.322 | 2.00 | | | ug/L | | 0.322 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| Methylene chloride | < 0.358 | 2.00 | | | ug/L | | 0.358 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| Naphthalene | < 0.377 | 2.00 | | | ug/L | | 0.377 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| o-Xylene | < 0.349 | 2.00 | | | ug/L | | 0.349 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| Styrene | < 0.534 | 4.00 | | | ug/L | | 0.534 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| Tetrachloroethene | < 0.400 | 2.00 | | | ug/L | | 0.400 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| Toluene | < 0.299 | 2.00 | | | ug/L | | 0.299 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| trans-1,2-Dichloroethene | < 0.433 | 2.00 | | | ug/L | | 0.433 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| trans-1,3-Dichloropropene | < 0.314 | 2.00 | | | ug/L | | 0.314 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |
| Trichloroethene | < 0.439 | 2.00 | | | ug/L | | 0.439 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 |

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20J0829

Client Sample ID: MW-3
Report Date: 11/02/2020
Collection Date: 10/23/2020 12:45
Matrix: Groundwater
Lab ID: 20J0829-03 (Continued)

| Analyses | EMT | | | Reg Limit | MDL | Date/Time Analyzed | Batch | Analyst | DF | |
|---|---------|--------------------|------------|----------------|----------------|-----------------------|---------|---------|----|--|
| | Result | Reporting Limit | Qual Units | | | | | | | |
| Volatile Organic Compounds by GC/MS (Continued) | | | | | | | | | | |
| Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 (Continued) | | | | | | | | | | |
| Vinyl acetate | < 1.01 | 8.00 | ug/L | | 1.01 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 | |
| Vinyl chloride | < 0.316 | 2.00 | ug/L | | 0.316 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 | |
| Xylenes, Total | < 0.660 | 6.00 | ug/L | | 0.660 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 | |
| 1,3-Dichloropropene, Total | < 0.592 | 4.00 | ug/L | | 0.592 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 | |
| Surrogate: Dibromofluoromethane | | | | Recovery: 97% | Limits: 80-135 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 | |
| Surrogate: 1,2-Dichloroethane-d4 | | | | Recovery: 97% | Limits: 86-132 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 | |
| Surrogate: Fluorobenzene | | | | Recovery: 100% | Limits: 80-116 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 | |
| Surrogate: Toluene-d8 | | | | Recovery: 92% | Limits: 73-120 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 | |
| Surrogate: 4-Bromofluorobenzene | | | | Recovery: 108% | Limits: 85-114 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 | |
| Surrogate: 1,2-Dichlorobenzene-d4 | | | | Recovery: 96% | Limits: 88-136 | 10/30/20 08:14 | BOJ1053 | WZZ | 1 | |

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20J0829

Client Sample ID: MW-4
Report Date: 11/02/2020
Collection Date: 10/23/2020 11:45
Matrix: Groundwater
Lab ID: 20J0829-04

| Analyses | Result | EMT | | Units | Reg Limit | MDL | Date/Time Analyzed | Batch | Analyst | DF |
|---|--------------|--------------------|------|-------|--------------|-------|-----------------------|---------|---------|----|
| | | Reporting Limit | Qual | | | | | | | |
| Volatile Organic Compounds by GC/MS | | | | | | | | | | |
| Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 | | | | | | | | | | |
| 1,1,1-Trichloroethane | < 0.349 | 2.00 | | ug/L | | 0.349 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| 1,1,2,2-Tetrachloroethane | < 0.291 | 2.00 | | ug/L | | 0.291 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| 1,1,2-Trichloroethane | < 0.264 | 2.00 | | ug/L | | 0.264 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| 1,1-Dichloroethane | < 1.94 | 8.00 | | ug/L | | 1.94 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| 1,1-Dichloroethene | < 1.02 | 4.00 | | ug/L | | 1.02 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| 1,2,4-Trimethylbenzene | 0.456 | 2.00 | J | ug/L | | 0.338 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| 1,2-Dibromo-3-chloropropane | < 0.488 | 2.00 | | ug/L | | 0.488 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| 1,2-Dibromoethane | < 0.320 | 2.00 | | ug/L | | 0.320 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| 1,2-Dichloroethane | < 0.274 | 2.00 | | ug/L | | 0.274 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| 1,2-Dichloropropane | < 1.11 | 4.00 | | ug/L | | 1.11 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| 1,3,5-Trimethylbenzene | < 0.310 | 2.00 | Q | ug/L | | 0.310 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| 1-Butanol | < 6.69 | 90.0 | | ug/L | | 6.69 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| 2-Butanone | < 1.38 | 8.00 | | ug/L | | 1.38 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| 2-Hexanone | < 1.04 | 8.00 | | ug/L | | 1.04 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| 4-Methyl-2-pentanone | < 0.660 | 28.0 | | ug/L | | 0.660 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| Acetone | < 3.75 | 28.0 | | ug/L | | 3.75 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| Acrolein | < 6.63 | 20.0 | | ug/L | | 6.63 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| Acrylonitrile | < 0.742 | 4.00 | | ug/L | | 0.742 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| Benzene | < 0.370 | 2.00 | | ug/L | | 0.370 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| Bromodichloromethane | < 0.310 | 2.00 | | ug/L | | 0.310 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| Bromoform | < 0.254 | 2.00 | | ug/L | | 0.254 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| Bromomethane | < 3.30 | 20.0 | | ug/L | | 3.30 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| Carbon disulfide | < 0.259 | 2.00 | Q | ug/L | | 0.259 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| Carbon tetrachloride | < 0.390 | 2.00 | | ug/L | | 0.390 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| Chlorobenzene | < 0.358 | 2.00 | | ug/L | | 0.358 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| Chloroethane | < 0.906 | 4.00 | | ug/L | | 0.906 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| Chloroform | < 0.397 | 2.00 | | ug/L | | 0.397 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| Chloromethane | < 2.23 | 8.00 | | ug/L | | 2.23 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| cis-1,2-Dichloroethene | < 0.421 | 2.00 | | ug/L | | 0.421 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| cis-1,3-Dichloropropene | < 0.278 | 2.00 | | ug/L | | 0.278 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| Dibromochloromethane | < 0.492 | 2.00 | | ug/L | | 0.492 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| Ethylbenzene | < 0.431 | 2.00 | | ug/L | | 0.431 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| m,p-Xylene | < 0.310 | 4.00 | | ug/L | | 0.310 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| Methyl tert-butyl ether | < 0.322 | 2.00 | | ug/L | | 0.322 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| Methylene chloride | < 0.358 | 2.00 | | ug/L | | 0.358 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| Naphthalene | < 0.377 | 2.00 | | ug/L | | 0.377 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| o-Xylene | < 0.349 | 2.00 | | ug/L | | 0.349 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| Styrene | < 0.534 | 4.00 | | ug/L | | 0.534 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| Tetrachloroethene | < 0.400 | 2.00 | | ug/L | | 0.400 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| Toluene | < 0.299 | 2.00 | | ug/L | | 0.299 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| trans-1,2-Dichloroethene | < 0.433 | 2.00 | | ug/L | | 0.433 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| trans-1,3-Dichloropropene | < 0.314 | 2.00 | | ug/L | | 0.314 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| Trichloroethene | < 0.439 | 2.00 | | ug/L | | 0.439 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20J0829

Client Sample ID: MW-4
Report Date: 11/02/2020
Collection Date: 10/23/2020 11:45
Matrix: Groundwater
Lab ID: 20J0829-04 (Continued)

| Analyses | EMT | | Qual | Units | Reg Limit | MDL | Date/Time Analyzed | Batch | Analyst | DF |
|---|---------|--------------------|------|-------|--------------|----------------------------------|-----------------------|---------|---------|----|
| | Result | Reporting Limit | | | | | | | | |
| Volatile Organic Compounds by GC/MS (Continued) | | | | | | | | | | |
| Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 (Continued) | | | | | | | | | | |
| Vinyl acetate | < 1.01 | 8.00 | | ug/L | | 1.01 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| Vinyl chloride | < 0.316 | 2.00 | | ug/L | | 0.316 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| Xylenes, Total | < 0.660 | 6.00 | | ug/L | | 0.660 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| 1,3-Dichloropropene, Total | < 0.592 | 4.00 | | ug/L | | 0.592 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| Surrogate: Dibromofluoromethane | | | | | | Recovery: 102% Limits: 80-135 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| Surrogate: 1,2-Dichloroethane-d4 | | | | | | Recovery: 102% Limits: 86-132 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| Surrogate: Fluorobenzene | | | | | | Recovery: 98% Limits: 80-116 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| Surrogate: Toluene-d8 | | | | | | Recovery: 99% Limits: 73-120 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| Surrogate: 4-Bromofluorobenzene | | | S | | | Recovery: 141% Limits: 85-114 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |
| Surrogate: 1,2-Dichlorobenzene-d4 | | | | | | Recovery: 121% Limits: 88-136 | 10/30/20 07:49 | BOJ1053 | WZZ | 1 |

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20J0829

Client Sample ID: MW-4 Dup.
Report Date: 11/02/2020
Collection Date: 10/23/2020 12:00
Matrix: Groundwater
Lab ID: 20J0829-05

| Analyses | Result | EMT | | Units | Reg Limit | MDL | Date/Time Analyzed | Batch | Analyst | DF |
|---|-------------|--------------------|------|-------|--------------|-------|-----------------------|---------|---------|----|
| | | Reporting Limit | Qual | | | | | | | |
| Volatile Organic Compounds by GC/MS | | | | | | | | | | |
| Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 | | | | | | | | | | |
| 1,1,1-Trichloroethane | < 0.349 | 2.00 | | ug/L | | 0.349 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| 1,1,2,2-Tetrachloroethane | < 0.291 | 2.00 | | ug/L | | 0.291 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| 1,1,2-Trichloroethane | < 0.264 | 2.00 | | ug/L | | 0.264 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| 1,1-Dichloroethane | < 1.94 | 8.00 | | ug/L | | 1.94 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| 1,1-Dichloroethene | < 1.02 | 4.00 | | ug/L | | 1.02 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| 1,2,4-Trimethylbenzene | < 0.338 | 2.00 | | ug/L | | 0.338 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| 1,2-Dibromo-3-chloropropane | < 0.488 | 2.00 | | ug/L | | 0.488 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| 1,2-Dibromoethane | < 0.320 | 2.00 | | ug/L | | 0.320 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| 1,2-Dichloroethane | < 0.274 | 2.00 | | ug/L | | 0.274 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| 1,2-Dichloropropane | < 1.11 | 4.00 | | ug/L | | 1.11 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| 1,3,5-Trimethylbenzene | < 0.310 | 2.00 | Q | ug/L | | 0.310 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| 1-Butanol | < 6.69 | 90.0 | | ug/L | | 6.69 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| 2-Butanone | < 1.38 | 8.00 | | ug/L | | 1.38 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| 2-Hexanone | < 1.04 | 8.00 | | ug/L | | 1.04 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| 4-Methyl-2-pentanone | 1.39 | 28.0 | J | ug/L | | 0.660 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| Acetone | 12.8 | 28.0 | J | ug/L | | 3.75 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| Acrolein | < 6.63 | 20.0 | | ug/L | | 6.63 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| Acrylonitrile | < 0.742 | 4.00 | | ug/L | | 0.742 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| Benzene | < 0.370 | 2.00 | | ug/L | | 0.370 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| Bromodichloromethane | < 0.310 | 2.00 | | ug/L | | 0.310 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| Bromoform | < 0.254 | 2.00 | | ug/L | | 0.254 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| Bromomethane | < 3.30 | 20.0 | | ug/L | | 3.30 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| Carbon disulfide | < 0.259 | 2.00 | Q | ug/L | | 0.259 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| Carbon tetrachloride | < 0.390 | 2.00 | | ug/L | | 0.390 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| Chlorobenzene | < 0.358 | 2.00 | | ug/L | | 0.358 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| Chloroethane | < 0.906 | 4.00 | | ug/L | | 0.906 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| Chloroform | < 0.397 | 2.00 | | ug/L | | 0.397 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| Chloromethane | < 2.23 | 8.00 | | ug/L | | 2.23 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| cis-1,2-Dichloroethene | < 0.421 | 2.00 | | ug/L | | 0.421 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| cis-1,3-Dichloropropene | < 0.278 | 2.00 | | ug/L | | 0.278 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| Dibromochloromethane | < 0.492 | 2.00 | | ug/L | | 0.492 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| Ethylbenzene | < 0.431 | 2.00 | | ug/L | | 0.431 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| m,p-Xylene | < 0.310 | 4.00 | | ug/L | | 0.310 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| Methyl tert-butyl ether | < 0.322 | 2.00 | | ug/L | | 0.322 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| Methylene chloride | < 0.358 | 2.00 | | ug/L | | 0.358 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| Naphthalene | < 0.377 | 2.00 | | ug/L | | 0.377 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| o-Xylene | < 0.349 | 2.00 | | ug/L | | 0.349 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| Styrene | < 0.534 | 4.00 | | ug/L | | 0.534 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| Tetrachloroethene | < 0.400 | 2.00 | | ug/L | | 0.400 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| Toluene | < 0.299 | 2.00 | | ug/L | | 0.299 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| trans-1,2-Dichloroethene | < 0.433 | 2.00 | | ug/L | | 0.433 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| trans-1,3-Dichloropropene | < 0.314 | 2.00 | | ug/L | | 0.314 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |
| Trichloroethene | < 0.439 | 2.00 | | ug/L | | 0.439 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 |

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20J0829

Client Sample ID: MW-4 Dup.
Report Date: 11/02/2020
Collection Date: 10/23/2020 12:00
Matrix: Groundwater
Lab ID: 20J0829-05 (Continued)

| Analyses | EMT | | | Reg Limit | MDL | Date/Time Analyzed | Batch | Analyst | DF | |
|---|---------|--------------------|------------|----------------|----------------|-----------------------|---------|---------|----|--|
| | Result | Reporting Limit | Qual Units | | | | | | | |
| Volatile Organic Compounds by GC/MS (Continued) | | | | | | | | | | |
| Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 (Continued) | | | | | | | | | | |
| Vinyl acetate | < 1.01 | 8.00 | ug/L | | 1.01 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 | |
| Vinyl chloride | < 0.316 | 2.00 | ug/L | | 0.316 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 | |
| Xylenes, Total | < 0.660 | 6.00 | ug/L | | 0.660 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 | |
| 1,3-Dichloropropene, Total | < 0.592 | 4.00 | ug/L | | 0.592 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 | |
| Surrogate: Dibromofluoromethane | | | | Recovery: 105% | Limits: 80-135 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 | |
| Surrogate: 1,2-Dichloroethane-d4 | | | | Recovery: 105% | Limits: 86-132 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 | |
| Surrogate: Fluorobenzene | | | | Recovery: 101% | Limits: 80-116 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 | |
| Surrogate: Toluene-d8 | | | | Recovery: 97% | Limits: 73-120 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 | |
| Surrogate: 4-Bromofluorobenzene | | | | Recovery: 111% | Limits: 85-114 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 | |
| Surrogate: 1,2-Dichlorobenzene-d4 | | | S | Recovery: 76% | Limits: 88-136 | 10/30/20 07:23 | BOJ1053 | WZZ | 1 | |

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20J0829

Client Sample ID: Trip Blank
Report Date: 11/02/2020
Collection Date: 10/23/2020 00:00
Matrix: Groundwater
Lab ID: 20J0829-06

| Analyses | Result | EMT Reporting | | Qual | Units | Reg Limit | MDL | Date/Time Analyzed | Batch | Analyst | DF |
|---|--------------|---------------|-------|------|-------|-----------|-------|--------------------|---------|---------|----|
| | | Limit | Limit | | | | | | | | |
| Volatile Organic Compounds by GC/MS | | | | | | | | | | | |
| Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 | | | | | | | | | | | |
| 1,1,1-Trichloroethane | < 0.349 | 2.00 | | | ug/L | | 0.349 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| 1,1,2,2-Tetrachloroethane | < 0.291 | 2.00 | | | ug/L | | 0.291 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| 1,1,2-Trichloroethane | < 0.264 | 2.00 | | | ug/L | | 0.264 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| 1,1-Dichloroethane | < 1.94 | 8.00 | | | ug/L | | 1.94 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| 1,1-Dichloroethene | < 1.02 | 4.00 | | | ug/L | | 1.02 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| 1,2,4-Trimethylbenzene | < 0.338 | 2.00 | | | ug/L | | 0.338 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| 1,2-Dibromo-3-chloropropane | < 0.488 | 2.00 | | | ug/L | | 0.488 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| 1,2-Dibromoethane | < 0.320 | 2.00 | | | ug/L | | 0.320 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| 1,2-Dichloroethane | < 0.274 | 2.00 | | | ug/L | | 0.274 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| 1,2-Dichloropropane | < 1.11 | 4.00 | | | ug/L | | 1.11 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| 1,3,5-Trimethylbenzene | < 0.310 | 2.00 | Q | | ug/L | | 0.310 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| 1-Butanol | < 6.69 | 90.0 | | | ug/L | | 6.69 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| 2-Butanone | < 1.38 | 8.00 | | | ug/L | | 1.38 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| 2-Hexanone | < 1.04 | 8.00 | | | ug/L | | 1.04 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| 4-Methyl-2-pentanone | < 0.660 | 28.0 | | | ug/L | | 0.660 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| Acetone | < 3.75 | 28.0 | | | ug/L | | 3.75 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| Acrolein | < 6.63 | 20.0 | | | ug/L | | 6.63 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| Acrylonitrile | < 0.742 | 4.00 | | | ug/L | | 0.742 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| Benzene | < 0.370 | 2.00 | | | ug/L | | 0.370 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| Bromodichloromethane | < 0.310 | 2.00 | | | ug/L | | 0.310 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| Bromoform | < 0.254 | 2.00 | | | ug/L | | 0.254 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| Bromomethane | < 3.30 | 20.0 | | | ug/L | | 3.30 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| Carbon disulfide | < 0.259 | 2.00 | Q | | ug/L | | 0.259 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| Carbon tetrachloride | < 0.390 | 2.00 | | | ug/L | | 0.390 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| Chlorobenzene | < 0.358 | 2.00 | | | ug/L | | 0.358 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| Chloroethane | < 0.906 | 4.00 | | | ug/L | | 0.906 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| Chloroform | < 0.397 | 2.00 | | | ug/L | | 0.397 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| Chloromethane | < 2.23 | 8.00 | | | ug/L | | 2.23 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| cis-1,2-Dichloroethene | < 0.421 | 2.00 | | | ug/L | | 0.421 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| cis-1,3-Dichloropropene | < 0.278 | 2.00 | | | ug/L | | 0.278 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| Dibromochloromethane | < 0.492 | 2.00 | | | ug/L | | 0.492 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| Ethylbenzene | < 0.431 | 2.00 | | | ug/L | | 0.431 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| m,p-Xylene | < 0.310 | 4.00 | | | ug/L | | 0.310 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| Methyl tert-butyl ether | < 0.322 | 2.00 | | | ug/L | | 0.322 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| Methylene chloride | 0.491 | 2.00 | J | | ug/L | | 0.358 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| Naphthalene | < 0.377 | 2.00 | | | ug/L | | 0.377 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| o-Xylene | < 0.349 | 2.00 | | | ug/L | | 0.349 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| Styrene | < 0.534 | 4.00 | | | ug/L | | 0.534 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| Tetrachloroethene | < 0.400 | 2.00 | | | ug/L | | 0.400 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| Toluene | < 0.299 | 2.00 | | | ug/L | | 0.299 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| trans-1,2-Dichloroethene | < 0.433 | 2.00 | | | ug/L | | 0.433 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| trans-1,3-Dichloropropene | < 0.314 | 2.00 | | | ug/L | | 0.314 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |
| Trichloroethene | < 0.439 | 2.00 | | | ug/L | | 0.439 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 |

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20J0829

Client Sample ID: Trip Blank
Report Date: 11/02/2020
Collection Date: 10/23/2020 00:00
Matrix: Groundwater
Lab ID: 20J0829-06 (Continued)

| Analyses | EMT | | | Reg Limit | MDL | Date/Time Analyzed | Batch | Analyst | DF | |
|---|---------|--------------------|------------|----------------|----------------|-----------------------|---------|---------|----|--|
| | Result | Reporting Limit | Qual Units | | | | | | | |
| Volatile Organic Compounds by GC/MS (Continued) | | | | | | | | | | |
| Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 (Continued) | | | | | | | | | | |
| Vinyl acetate | < 1.01 | 8.00 | ug/L | | 1.01 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 | |
| Vinyl chloride | < 0.316 | 2.00 | ug/L | | 0.316 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 | |
| Xylenes, Total | < 0.660 | 6.00 | ug/L | | 0.660 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 | |
| 1,3-Dichloropropene, Total | < 0.592 | 4.00 | ug/L | | 0.592 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 | |
| Surrogate: Dibromofluoromethane | | | | Recovery: 101% | Limits: 80-135 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 | |
| Surrogate: 1,2-Dichloroethane-d4 | | | | Recovery: 98% | Limits: 86-132 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 | |
| Surrogate: Fluorobenzene | | | | Recovery: 98% | Limits: 80-116 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 | |
| Surrogate: Toluene-d8 | | | | Recovery: 95% | Limits: 73-120 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 | |
| Surrogate: 4-Bromofluorobenzene | | | | Recovery: 104% | Limits: 85-114 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 | |
| Surrogate: 1,2-Dichlorobenzene-d4 | | | | Recovery: 96% | Limits: 88-136 | 10/30/20 03:08 | BOJ1053 | WZZ | 1 | |

Dates Report

Client: United Engineering Consultants, Inc.

Report Date: 11/02/2020

Project: Waste Characterization
19044

Work Order: 20J0829

| Sample ID | Client Sample ID | Collection | Matrix | Test Name | Leached Prep Date | Prep Date | Analysis Date | Batch ID | Sequence |
|------------|------------------|------------|-------------|---|----------------------|----------------|----------------|----------|----------|
| 20J0829-01 | MW-1 | 10/23/20 | Groundwater | Volatile Organic Compounds (WDNR) by GC/MS | | 10/29/20 20:00 | 10/30/20 09:05 | B0J1053 | S0J0468 |
| 20J0829-02 | MW-2 | 10/23/20 | | Volatile Organic Compounds (WDNR) by GC/MS | | 10/29/20 20:00 | 10/30/20 08:40 | | |
| 20J0829-03 | MW-3 | 10/23/20 | | Volatile Organic Compounds (WDNR) by GC/MS | | 10/29/20 20:00 | 10/30/20 08:14 | | |
| 20J0829-04 | MW-4 | 10/23/20 | | Volatile Organic Compounds (WDNR) by GC/MS | | 10/29/20 20:00 | 10/30/20 07:49 | | |
| 20J0829-05 | MW-4 Dup. | 10/23/20 | | Volatile Organic Compounds (WDNR) by GC/MS | | 10/29/20 20:00 | 10/30/20 07:23 | | |
| 20J0829-06 | Trip Blank | 10/23/20 | | Volatile Organic Compounds (WDNR) by GC/MS | | 10/29/20 20:00 | 10/30/20 03:08 | | |

Quality Control

Client: United Engineering Consultants, Inc.

Report Date: 11/02/2020

Project: Waste Characterization
19044

Matrix: Water

Work Order: 20J0829

Volatile Organic Compounds by GC/MS

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

Batch: B0J1053 - SW5030
Blank (B0J1053-BLK1)

Prepared: 10/29/2020 20:00 Analyzed: 10/30/2020 02:42

| | | | | | | | | | | | |
|-----------------------------|---------|------|------|--|--|--|--|--|--|--|---|
| 1,1,1-Trichloroethane | < 0.349 | 2.00 | ug/L | | | | | | | | 1 |
| 1,1,2,2-Tetrachloroethane | < 0.291 | 2.00 | ug/L | | | | | | | | 1 |
| 1,1,2-Trichloroethane | < 0.264 | 2.00 | ug/L | | | | | | | | 1 |
| 1,1-Dichloroethane | < 1.94 | 8.00 | ug/L | | | | | | | | 1 |
| 1,1-Dichloroethene | < 1.02 | 4.00 | ug/L | | | | | | | | 1 |
| 1,2,4-Trimethylbenzene | < 0.338 | 2.00 | ug/L | | | | | | | | 1 |
| 1,2-Dibromo-3-chloropropane | < 0.488 | 2.00 | ug/L | | | | | | | | 1 |
| 1,2-Dibromoethane | < 0.320 | 2.00 | ug/L | | | | | | | | 1 |
| 1,2-Dichloroethane | < 0.274 | 2.00 | ug/L | | | | | | | | 1 |
| 1,2-Dichloropropane | < 1.11 | 4.00 | ug/L | | | | | | | | 1 |
| 1,3,5-Trimethylbenzene | < 0.310 | 2.00 | ug/L | | | | | | | | 1 |
| 1-Butanol | < 6.69 | 90.0 | ug/L | | | | | | | | 1 |
| 2-Butanone | < 1.38 | 8.00 | ug/L | | | | | | | | 1 |
| 2-Hexanone | < 1.04 | 8.00 | ug/L | | | | | | | | 1 |
| 4-Methyl-2-pentanone | < 0.660 | 28.0 | ug/L | | | | | | | | 1 |
| Acetone | < 3.75 | 28.0 | ug/L | | | | | | | | 1 |
| Acrolein | < 6.63 | 20.0 | ug/L | | | | | | | | 1 |
| Acrylonitrile | < 0.742 | 4.00 | ug/L | | | | | | | | 1 |
| Benzene | < 0.370 | 2.00 | ug/L | | | | | | | | 1 |
| Bromodichloromethane | < 0.310 | 2.00 | ug/L | | | | | | | | 1 |
| Bromoform | < 0.254 | 2.00 | ug/L | | | | | | | | 1 |
| Bromomethane | < 3.30 | 20.0 | ug/L | | | | | | | | 1 |
| Carbon disulfide | < 0.259 | 2.00 | ug/L | | | | | | | | 1 |
| Carbon tetrachloride | < 0.390 | 2.00 | ug/L | | | | | | | | 1 |
| Chlorobenzene | < 0.358 | 2.00 | ug/L | | | | | | | | 1 |
| Chloroethane | < 0.906 | 4.00 | ug/L | | | | | | | | 1 |
| Chloroform | < 0.397 | 2.00 | ug/L | | | | | | | | 1 |
| Chloromethane | < 2.23 | 8.00 | ug/L | | | | | | | | 1 |
| cis-1,2-Dichloroethene | < 0.421 | 2.00 | ug/L | | | | | | | | 1 |
| cis-1,3-Dichloropropene | < 0.278 | 2.00 | ug/L | | | | | | | | 1 |
| Dibromochloromethane | < 0.492 | 2.00 | ug/L | | | | | | | | 1 |
| Ethylbenzene | < 0.431 | 2.00 | ug/L | | | | | | | | 1 |
| m,p-Xylene | < 0.310 | 4.00 | ug/L | | | | | | | | 1 |
| Methyl tert-butyl ether | < 0.322 | 2.00 | ug/L | | | | | | | | 1 |
| Methylene chloride | < 0.358 | 2.00 | ug/L | | | | | | | | 1 |
| Naphthalene | < 0.377 | 2.00 | ug/L | | | | | | | | 1 |
| o-Xylene | < 0.349 | 2.00 | ug/L | | | | | | | | 1 |
| Styrene | < 0.534 | 4.00 | ug/L | | | | | | | | 1 |
| Tetrachloroethene | < 0.400 | 2.00 | ug/L | | | | | | | | 1 |
| Toluene | < 0.299 | 2.00 | ug/L | | | | | | | | 1 |
| trans-1,2-Dichloroethene | < 0.433 | 2.00 | ug/L | | | | | | | | 1 |
| trans-1,3-Dichloropropene | < 0.314 | 2.00 | ug/L | | | | | | | | 1 |

Quality Control

(Continued)

Client: United Engineering Consultants, Inc.**Report Date:** 11/02/2020**Project:** Waste Characterization
19044**Matrix:** Water**Work Order:** 20J0829**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: B0J1053 - SW5030 (Continued)**Blank (B0J1053-BLK1) (Continued)**

Prepared: 10/29/2020 20:00 Analyzed: 10/30/2020 02:42

| | | | | | | | | | | | |
|--|---------|------|------|-------|--|-----|--------|--|--|--|---|
| Trichloroethene | < 0.439 | 2.00 | ug/L | | | | | | | | 1 |
| Vinyl acetate | < 1.01 | 8.00 | ug/L | | | | | | | | 1 |
| Vinyl chloride | < 0.316 | 2.00 | ug/L | | | | | | | | 1 |
| Xylenes, Total | < 0.660 | 6.00 | ug/L | | | | | | | | 1 |
| 1,3-Dichloropropene, Total | < 0.592 | 4.00 | ug/L | | | | | | | | 1 |
| <i>Surrogate: Dibromofluoromethane</i> | 19.3 | | ug/L | 20.00 | | 96 | 80-135 | | | | 1 |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 20.0 | | ug/L | 20.00 | | 100 | 86-132 | | | | 1 |
| <i>Surrogate: Fluorobenzene</i> | 19.7 | | ug/L | 20.00 | | 98 | 80-116 | | | | 1 |
| <i>Surrogate: Toluene-d8</i> | 19.4 | | ug/L | 20.00 | | 97 | 73-120 | | | | 1 |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 11.0 | | ug/L | 10.00 | | 110 | 85-114 | | | | 1 |
| <i>Surrogate: 1,2-Dichlorobenzene-d4</i> | 18.5 | | ug/L | 20.00 | | 92 | 88-136 | | | | 1 |

LCS (B0J1053-BS1)

Prepared: 10/29/2020 20:00 Analyzed: 10/30/2020 01:25

| | | | | | | | | | | | |
|-----------------------------|------|------|------|-------|--|-----|--------|--|--|---|---|
| 1,1,1-Trichloroethane | 51.6 | 2.00 | ug/L | 50.00 | | 103 | 74-131 | | | | 1 |
| 1,1,1,2-Tetrachloroethane | 39.7 | 2.00 | ug/L | 50.00 | | 79 | 71-121 | | | | 1 |
| 1,1,2-Trichloroethane | 55.3 | 2.00 | ug/L | 50.00 | | 111 | 80-119 | | | | 1 |
| 1,1-Dichloroethane | 48.2 | 8.00 | ug/L | 50.00 | | 96 | 77-125 | | | | 1 |
| 1,1-Dichloroethene | 51.2 | 4.00 | ug/L | 50.00 | | 102 | 71-131 | | | | 1 |
| 1,2,4-Trimethylbenzene | 52.9 | 2.00 | ug/L | 50.00 | | 106 | 76-124 | | | | 1 |
| 1,2-Dibromo-3-chloropropane | 50.5 | 2.00 | ug/L | 50.00 | | 101 | 62-128 | | | | 1 |
| 1,2-Dibromoethane | 53.5 | 2.00 | ug/L | 50.00 | | 107 | 77-121 | | | | 1 |
| 1,2-Dichloroethane | 49.0 | 2.00 | ug/L | 50.00 | | 98 | 73-128 | | | | 1 |
| 1,2-Dichloropropane | 50.5 | 4.00 | ug/L | 50.00 | | 101 | 78-122 | | | | 1 |
| 1,3,5-Trimethylbenzene | 33.9 | 2.00 | ug/L | 50.00 | | 68 | 75-124 | | | S | 1 |
| 1-Butanol | 504 | 90.0 | ug/L | 500.0 | | 101 | 70-130 | | | | 1 |
| 2-Butanone | 176 | 8.00 | ug/L | 175.0 | | 101 | 56-143 | | | | 1 |
| 2-Hexanone | 194 | 8.00 | ug/L | 175.0 | | 111 | 57-139 | | | | 1 |
| 4-Methyl-2-pentanone | 188 | 28.0 | ug/L | 175.0 | | 108 | 67-130 | | | | 1 |
| Acetone | 174 | 28.0 | ug/L | 175.0 | | 99 | 39-160 | | | | 1 |
| Acrolein | 125 | 20.0 | ug/L | 125.0 | | 100 | 39-155 | | | | 1 |
| Acrylonitrile | 51.5 | 4.00 | ug/L | 50.00 | | 103 | 63-135 | | | | 1 |
| Benzene | 52.4 | 2.00 | ug/L | 50.00 | | 105 | 79-120 | | | | 1 |
| Bromodichloromethane | 50.1 | 2.00 | ug/L | 50.00 | | 100 | 79-125 | | | | 1 |
| Bromoform | 51.7 | 2.00 | ug/L | 50.00 | | 103 | 66-130 | | | | 1 |
| Bromomethane | 46.6 | 20.0 | ug/L | 50.00 | | 93 | 53-141 | | | | 1 |
| Carbon disulfide | 50.7 | 2.00 | ug/L | 50.00 | | 101 | 64-133 | | | | 1 |
| Carbon tetrachloride | 52.5 | 2.00 | ug/L | 50.00 | | 105 | 72-136 | | | | 1 |
| Chlorobenzene | 51.2 | 2.00 | ug/L | 50.00 | | 102 | 82-118 | | | | 1 |
| Chloroethane | 42.6 | 4.00 | ug/L | 50.00 | | 85 | 60-138 | | | | 1 |
| Chloroform | 51.0 | 2.00 | ug/L | 50.00 | | 102 | 79-124 | | | | 1 |
| Chloromethane | 48.6 | 8.00 | ug/L | 50.00 | | 97 | 50-139 | | | | 1 |
| cis-1,2-Dichloroethene | 48.6 | 2.00 | ug/L | 50.00 | | 97 | 78-123 | | | | 1 |

Quality Control

(Continued)

Client: United Engineering Consultants, Inc.**Report Date:** 11/02/2020**Project:** Waste Characterization
19044**Matrix:** Water**Work Order:** 20J0829**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: B0J1053 - SW5030 (Continued)**LCS (B0J1053-BS1) (Continued)**

Prepared: 10/29/2020 20:00 Analyzed: 10/30/2020 01:25

| | | | | | | | | | | | |
|-----------------------------------|------|------|------|-------|--|-----|--------|--|--|----|---|
| cis-1,3-Dichloropropene | 54.5 | 2.00 | ug/L | 50.00 | | 109 | 75-124 | | | | 1 |
| Dibromochloromethane | 53.2 | 2.00 | ug/L | 50.00 | | 106 | 74-126 | | | | 1 |
| Ethylbenzene | 51.9 | 2.00 | ug/L | 50.00 | | 104 | 79-121 | | | | 1 |
| m,p-Xylene | 104 | 4.00 | ug/L | 100.0 | | 104 | 80-136 | | | | 1 |
| Methyl tert-butyl ether | 50.6 | 2.00 | ug/L | 50.00 | | 101 | 71-124 | | | | 1 |
| Methylene chloride | 51.1 | 2.00 | ug/L | 50.00 | | 102 | 74-124 | | | | 1 |
| Naphthalene | 47.2 | 2.00 | ug/L | 50.00 | | 94 | 61-128 | | | | 1 |
| o-Xylene | 51.1 | 2.00 | ug/L | 50.00 | | 102 | 78-122 | | | | 1 |
| Styrene | 51.7 | 4.00 | ug/L | 50.00 | | 103 | 78-123 | | | | 1 |
| Tetrachloroethene | 48.9 | 2.00 | ug/L | 50.00 | | 98 | 74-129 | | | | 1 |
| Toluene | 49.0 | 2.00 | ug/L | 50.00 | | 98 | 80-133 | | | | 1 |
| trans-1,2-Dichloroethene | 49.2 | 2.00 | ug/L | 50.00 | | 98 | 75-124 | | | | 1 |
| trans-1,3-Dichloropropene | 52.2 | 2.00 | ug/L | 50.00 | | 104 | 73-127 | | | | 1 |
| Trichloroethene | 51.5 | 2.00 | ug/L | 50.00 | | 103 | 79-123 | | | | 1 |
| Vinyl acetate | 58.5 | 8.00 | ug/L | 50.00 | | 117 | 54-146 | | | | 1 |
| Vinyl chloride | 44.8 | 2.00 | ug/L | 50.00 | | 90 | 58-137 | | | | 1 |
| Xylenes, Total | 155 | 6.00 | ug/L | 150.0 | | 103 | 79-121 | | | | 1 |
| 1,3-Dichloropropene, Total | 107 | 4.00 | ug/L | 100.0 | | 107 | 77-123 | | | | 1 |
| <hr/> | | | | | | | | | | | |
| Surrogate: Dibromofluoromethane | 19.4 | | ug/L | 20.00 | | 97 | 80-135 | | | | 1 |
| Surrogate: 1,2-Dichloroethane-d4 | 19.2 | | ug/L | 20.00 | | 96 | 86-132 | | | | 1 |
| Surrogate: Fluorobenzene | 20.1 | | ug/L | 20.00 | | 101 | 80-116 | | | | 1 |
| Surrogate: Toluene-d8 | 19.3 | | ug/L | 20.00 | | 96 | 73-120 | | | | 1 |
| Surrogate: 4-Bromofluorobenzene | 7.97 | | ug/L | 10.00 | | 80 | 85-114 | | | S2 | 1 |
| Surrogate: 1,2-Dichlorobenzene-d4 | 19.0 | | ug/L | 20.00 | | 95 | 88-136 | | | | 1 |

LCS Dup (B0J1053-BSD1)

Prepared: 10/29/2020 20:00 Analyzed: 10/30/2020 01:51

| | | | | | | | | | | | |
|-----------------------------|------|------|------|-------|--|-----|--------|-----|----|---|---|
| 1,1,1-Trichloroethane | 47.3 | 2.00 | ug/L | 50.00 | | 95 | 74-131 | 9 | 20 | | 1 |
| 1,1,1,2-Tetrachloroethane | 55.6 | 2.00 | ug/L | 50.00 | | 111 | 71-121 | 33 | 20 | P | 1 |
| 1,1,2-Trichloroethane | 42.3 | 2.00 | ug/L | 50.00 | | 85 | 80-119 | 27 | 20 | P | 1 |
| 1,1-Dichloroethane | 52.1 | 8.00 | ug/L | 50.00 | | 104 | 77-125 | 8 | 20 | | 1 |
| 1,1-Dichloroethene | 36.6 | 4.00 | ug/L | 50.00 | | 73 | 71-131 | 33 | 20 | P | 1 |
| 1,2,4-Trimethylbenzene | 53.2 | 2.00 | ug/L | 50.00 | | 106 | 76-124 | 0.6 | 20 | | 1 |
| 1,2-Dibromo-3-chloropropane | 51.2 | 2.00 | ug/L | 50.00 | | 102 | 62-128 | 1 | 20 | | 1 |
| 1,2-Dibromoethane | 53.0 | 2.00 | ug/L | 50.00 | | 106 | 77-121 | 1 | 20 | | 1 |
| 1,2-Dichloroethane | 53.4 | 2.00 | ug/L | 50.00 | | 107 | 73-128 | 9 | 20 | | 1 |
| 1,2-Dichloropropane | 52.5 | 4.00 | ug/L | 50.00 | | 105 | 78-122 | 4 | 20 | | 1 |
| 1,3,5-Trimethylbenzene | 52.8 | 2.00 | ug/L | 50.00 | | 106 | 75-124 | 43 | 20 | P | 1 |
| 1-Butanol | 517 | 90.0 | ug/L | 500.0 | | 103 | 70-130 | 2 | 20 | | 1 |
| 2-Butanone | 192 | 8.00 | ug/L | 175.0 | | 110 | 56-143 | 8 | 20 | | 1 |
| 2-Hexanone | 146 | 8.00 | ug/L | 175.0 | | 83 | 57-139 | 29 | 20 | P | 1 |
| 4-Methyl-2-pentanone | 188 | 28.0 | ug/L | 175.0 | | 107 | 67-130 | 0.4 | 20 | | 1 |
| Acetone | 95.1 | 28.0 | ug/L | 175.0 | | 54 | 39-160 | 59 | 20 | P | 1 |

Quality Control

(Continued)

Client: United Engineering Consultants, Inc.**Report Date:** 11/02/2020**Project:** Waste Characterization
19044**Matrix:** Water**Work Order:** 20J0829**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: B0J1053 - SW5030 (Continued)**LCS Dup (B0J1053-BSD1) (Continued)**

Prepared: 10/29/2020 20:00 Analyzed: 10/30/2020 01:51

| | | | | | | | | | | | |
|-----------------------------------|------|------|------|-------|--|-----|--------|-----|----|------|---|
| Acrolein | 87.9 | 20.0 | ug/L | 125.0 | | 70 | 39-155 | 35 | 20 | P | 1 |
| Acrylonitrile | 53.8 | 4.00 | ug/L | 50.00 | | 108 | 63-135 | 4 | 20 | | 1 |
| Benzene | 52.7 | 2.00 | ug/L | 50.00 | | 105 | 79-120 | 0.6 | 20 | | 1 |
| Bromodichloromethane | 50.9 | 2.00 | ug/L | 50.00 | | 102 | 79-125 | 1 | 20 | | 1 |
| Bromoform | 52.3 | 2.00 | ug/L | 50.00 | | 105 | 66-130 | 1 | 20 | | 1 |
| Bromomethane | 41.8 | 20.0 | ug/L | 50.00 | | 84 | 53-141 | 11 | 20 | | 1 |
| Carbon disulfide | 30.2 | 2.00 | ug/L | 50.00 | | 60 | 64-133 | 51 | 20 | P, S | 1 |
| Carbon tetrachloride | 52.7 | 2.00 | ug/L | 50.00 | | 105 | 72-136 | 0.4 | 20 | | 1 |
| Chlorobenzene | 51.0 | 2.00 | ug/L | 50.00 | | 102 | 82-118 | 0.4 | 20 | | 1 |
| Chloroethane | 34.9 | 4.00 | ug/L | 50.00 | | 70 | 60-138 | 20 | 20 | | 1 |
| Chloroform | 53.9 | 2.00 | ug/L | 50.00 | | 108 | 79-124 | 6 | 20 | | 1 |
| Chloromethane | 50.4 | 8.00 | ug/L | 50.00 | | 101 | 50-139 | 4 | 20 | | 1 |
| cis-1,2-Dichloroethene | 52.5 | 2.00 | ug/L | 50.00 | | 105 | 78-123 | 8 | 20 | | 1 |
| cis-1,3-Dichloropropene | 54.2 | 2.00 | ug/L | 50.00 | | 108 | 75-124 | 0.5 | 20 | | 1 |
| Dibromochloromethane | 53.6 | 2.00 | ug/L | 50.00 | | 107 | 74-126 | 0.8 | 20 | | 1 |
| Ethylbenzene | 52.1 | 2.00 | ug/L | 50.00 | | 104 | 79-121 | 0.2 | 20 | | 1 |
| m,p-Xylene | 102 | 4.00 | ug/L | 100.0 | | 102 | 80-136 | 1 | 20 | | 1 |
| Methyl tert-butyl ether | 54.5 | 2.00 | ug/L | 50.00 | | 109 | 71-124 | 7 | 20 | | 1 |
| Methylene chloride | 38.7 | 2.00 | ug/L | 50.00 | | 77 | 74-124 | 28 | 20 | P | 1 |
| Naphthalene | 46.3 | 2.00 | ug/L | 50.00 | | 93 | 61-128 | 2 | 20 | | 1 |
| o-Xylene | 49.9 | 2.00 | ug/L | 50.00 | | 100 | 78-122 | 2 | 20 | | 1 |
| Styrene | 52.0 | 4.00 | ug/L | 50.00 | | 104 | 78-123 | 0.6 | 20 | | 1 |
| Tetrachloroethene | 40.9 | 2.00 | ug/L | 50.00 | | 82 | 74-129 | 18 | 20 | | 1 |
| Toluene | 49.2 | 2.00 | ug/L | 50.00 | | 98 | 80-133 | 0.6 | 20 | | 1 |
| trans-1,2-Dichloroethene | 53.6 | 2.00 | ug/L | 50.00 | | 107 | 75-124 | 9 | 20 | | 1 |
| trans-1,3-Dichloropropene | 52.1 | 2.00 | ug/L | 50.00 | | 104 | 73-127 | 0.4 | 20 | | 1 |
| Trichloroethene | 54.2 | 2.00 | ug/L | 50.00 | | 108 | 79-123 | 5 | 20 | | 1 |
| Vinyl acetate | 62.2 | 8.00 | ug/L | 50.00 | | 124 | 54-146 | 6 | 20 | | 1 |
| Vinyl chloride | 39.3 | 2.00 | ug/L | 50.00 | | 79 | 58-137 | 13 | 20 | | 1 |
| Xylenes, Total | 152 | 6.00 | ug/L | 150.0 | | 102 | 79-121 | 2 | 20 | | 1 |
| 1,3-Dichloropropene, Total | 106 | 4.00 | ug/L | 100.0 | | 106 | 77-123 | 0.4 | 20 | | 1 |
| <hr/> | | | | | | | | | | | |
| Surrogate: Dibromofluoromethane | 16.5 | | ug/L | 20.00 | | 82 | 80-135 | | | | 1 |
| Surrogate: 1,2-Dichloroethane-d4 | 21.1 | | ug/L | 20.00 | | 106 | 86-132 | | | | 1 |
| Surrogate: Fluorobenzene | 19.8 | | ug/L | 20.00 | | 99 | 80-116 | | | | 1 |
| Surrogate: Toluene-d8 | 19.4 | | ug/L | 20.00 | | 97 | 73-120 | | | | 1 |
| Surrogate: 4-Bromofluorobenzene | 10.1 | | ug/L | 10.00 | | 101 | 85-114 | | | | 1 |
| Surrogate: 1,2-Dichlorobenzene-d4 | 18.0 | | ug/L | 20.00 | | 90 | 88-136 | | | | 1 |

Certified Analyses included in this Report

| Analyte | CAS # | Certifications |
|---|-------------|----------------|
| <i>SW-846 8260B/WDNR: PUBL-FW-140 in Water</i> | | |
| 1,1,1-Trichloroethane | 71-55-6 | WDNR |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | WDNR |
| 1,1,2-Trichloroethane | 79-00-5 | WDNR |
| 1,1-Dichloroethane | 75-34-3 | WDNR |
| 1,1-Dichloroethene | 75-35-4 | WDNR |
| 1,2,4-Trimethylbenzene | 95-63-6 | WDNR |
| 1,2-Dibromo-3-chloropropane | 96-12-8 | WDNR |
| 1,2-Dibromoethane | 106-93-4 | WDNR |
| 1,2-Dichloroethane | 107-06-2 | WDNR |
| 1,2-Dichloropropane | 78-87-5 | WDNR |
| 1,3,5-Trimethylbenzene | 108-67-8 | WDNR |
| 1-Butanol | 71-36-3 | WDNR |
| 2-Butanone | 78-93-3 | WDNR |
| 2-Hexanone | 591-78-6 | WDNR |
| 4-Methyl-2-pentanone | 108-10-1 | WDNR |
| Acetone | 67-64-1 | WDNR |
| Acrolein | 107-02-8 | WDNR |
| Acrylonitrile | 107-13-1 | WDNR |
| Benzene | 71-43-2 | WDNR |
| Bromodichloromethane | 75-27-4 | WDNR |
| Bromoform | 75-25-2 | WDNR |
| Bromomethane | 74-83-9 | WDNR |
| Carbon disulfide | 75-15-0 | WDNR |
| Carbon tetrachloride | 56-23-5 | WDNR |
| Chlorobenzene | 108-90-7 | WDNR |
| Chloroethane | 75-00-3 | WDNR |
| Chloroform | 67-66-3 | WDNR |
| Chloromethane | 74-87-3 | WDNR |
| cis-1,2-Dichloroethene | 156-59-2 | WDNR |
| cis-1,3-Dichloropropene | 10061-01-5 | WDNR |
| Dibromochloromethane | 124-48-1 | WDNR |
| Ethylbenzene | 100-41-4 | WDNR |
| m,p-Xylene | 179601-23-1 | WDNR |
| Methyl tert-butyl ether | 1634-04-4 | WDNR |
| Methylene chloride | 75-09-2 | WDNR |
| Naphthalene | 91-20-3 | 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 |

Certified Analyses included in this Report (Continued)

| Analyte | CAS # | Certifications |
|--|------------|----------------|
| SW-846 8260B/WDNR: PUBL-FW-140 in Water (Continued) | | |
| trans-1,3-Dichloropropene | 10061-02-6 | WDNR |
| Trichloroethene | 79-01-6 | WDNR |
| Vinyl acetate | 108-05-4 | WDNR |
| Vinyl chloride | 75-01-4 | WDNR |
| Xylenes, Total | 1330-20-7 | WDNR |
| 1,3-Dichloropropene, Total | 542-75-6 | WDNR |

List of Certifications

| Code | Description | Number | Expires |
|-------|--|-----------------|------------|
| AKDEC | State of Alaska, Dept. Environmental Conservation | 17-011 | 05/31/2022 |
| CPSC | US Consumer Product Safety Commission, Accredited by PJLA Lab No. 1050 | L18-184-R1 | 03/31/2021 |
| DoD | Department of Defense, Accredited by PJLA | L18-183-R3 | 03/31/2021 |
| ILEPA | State of Illinois, NELAP Accredited Lab No. 100256 | 1002562020-3 | 07/27/2021 |
| ISO | ISO/IEC 17025, Accredited by PJLA | L18-184-R1 | 03/31/2021 |
| TX | Texas Commission of Environmental Quality | T104704554-20-5 | 10/31/2021 |
| WA | Washington State Department of Ecology | C1057 | 01/05/2021 |
| WDNR | State of Wisconsin Dept of Natural Resources | 999888890 | 08/31/2021 |

Qualifiers and Definitions

| Item | Description |
|------|--|
| J | The reported result is an estimated value. |
| P | The quality control sample %RPD is above the laboratory control limit. |
| Q | One or more quality control results were outside of the acceptance limits (e.g. LCS recovery, surrogate spike recovery, or CCV recovery). |
| S | The quality control sample recovery is outside of the laboratory control limits. |
| S2 | The percent recovery is outside the lab control limits, but within the method acceptable limits. Data is acceptable. |
| %Rec | Percent Recovery |
| MDL | In the state of Wisconsin MDL is equivalent to LOD; in all other applications MDL is equivalent to MDL. In the state of Wisconsin the Reporting Limit is equivalent to LOQ. |

Sample Receipt Checklist

Work Order: 20J0829

Printed: 10/26/2020 11:48:39AM

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

Date Due: **Wednesday, November 4, 2020**

Received By: **Agnieszka B. Zabawa**
 Logged In By: **Agnieszka B. Zabawa**

Date Received: **10/26/20 11:40**
 Date Logged In: **10/26/20 11:48**

| | |
|--------------------------------------|--------------|
| Sample Temperature at Receipt: | 2.7°C |
| How were samples received? | EMT |
| Custody Seals Present | No |
| Custody Seals Intact | NA |
| Sample Containers Intact | Yes |
| COC Present and Complete | Yes |
| COC agrees with Sample Labels | Yes |
| Containers Properly Preserved | Yes |
| Samples Received Within Holdtime | Yes |
| Cooler Temp Within Limits | Yes |
| VOA Water Vials Received | Yes |
| Vials Contain > Pea Sized Air Bubble | No |

Comments

ABZ

10/26/2020