

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 checked="" type="radio"/>	<input 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
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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		HENNING	KYLE	
Address		City	State	ZIP Code
2938 S. 166TH STREET		NEW BERLIN	WI	53151
Phone # (inc. area code)	Email			
(262) 785-1447	KHUEC@SBCGLOBAL.NET			

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

State of Wisconsin Department of Natural Resources

Contact Person Last Name	First Name	Phone # (inc. area code)		
MCKNIGHT	KEVIN	(920) 424-7890		
Address		City	State	ZIP Code
625 E COUNTY ROAD Y SUITE 700		OSHKOSH	WI	54901
Email				
KEVIN.MCKNIGHT@WISCONSIN.GOV				

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'			
Volatiles 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
Styrene	<0.000392	<0.0000624	<0.000364	<0.000355	<0.0250	<0.0250	0.22	867	867
1,1,1,2-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	0.0359	<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	<0.000563	<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 2 - VOC Analytical Results - Groundwater
 Calumet Village
 1717 E. Calumet Street
 Appleton, WI 54915

Analyte	TW-1	TW-2	MW-2	MW-2 (Dup.)	ES	PAL
	11/21/19	11/21/19	04/16/20	04/16/20		
Volatile Organic Compounds (VOC) (Method: SW-846 8260B/PUBL-FW-140)						
Acetone	14.3J	9.55J	42.4	19.6J	9000	1800
Acrylonitrile	<0.742Q,S1	<0.742Q,S1	<0.742	<0.742	-	-
Benzene	<0.370	<0.370	<0.370	<0.370	5	0.5
Bromodichloromethane	<0.310	<0.310	<0.310	<0.310	0.6	0.06
Bromoform	<0.254	<0.254	<0.254	<0.254	4.4	0.44
Bromomethane	<3.30Q,S1	<3.30Q,S1	<3.30	<3.30	10	1
1-Butanol	<6.69	<6.69	<6.69	<6.69	-	-
2-Butanone	<1.38Q,S1	<1.38Q,S1	<1.38	<1.38	-	-
Carbon disulfide	<0.259Q,S1	<0.259Q,S1	1.5J	<0.259	1000	200
Carbon tetrachloride	<0.390Q,S1	<0.390Q,S1	<0.390	<0.390	5	0.5
Chlorobenzene	<0.358	<0.358	<0.358	<0.358	-	-
Chloroethane	<0.906Q	<0.906Q	<0.906	<0.906	400	80
Chloroform	<0.397	<0.397	<0.397	<0.397	6	0.6
Chloromethane	<2.23Q	<2.23Q	<2.23	<2.23	30	3
1,2-Dibromo-3-chloropropane	<0.488	<0.488	<0.488	<0.488	0.2	0.02
1,2-Dibromoethane (EDB)	<0.320	<0.320	<0.320	<0.320	0.05	0.005
1,1-Dichloroethane	<1.94	<1.94	<1.94	<1.94	850	85
1,2-Dichloroethane	<0.274	<0.274	<0.320	<0.320	5	0.5
1,1-Dichloroethene	<1.02	<1.02	<1.02	<1.02	7	0.7
cis-1,2-Dichloroethene	<0.421	2.25	0.64J	0.650J	70	7
trans-1,2-Dichloroethene	<0.433	0.460J	<0.433	<0.433	100	20
1,2-Dichloropropane	<1.11	<1.11	<1.11	<1.11	5	0.5
Dibromochloromethane	<0.492	<0.492	<0.492	<0.492	700	140
1,3-Dichloropropene, Total	<0.278	<0.592	<0.592	<0.592	0.4	0.04
Ethylbenzene	<0.431	<0.431	<0.431	<0.431	700	140
2-Hexanone	<1.04	<1.04	<1.04	<1.04	-	-
4-Methyl-2-pentanone	<0.660	<0.660	11.6J	11.8J	-	-
Methyl tert-Butyl ether	<0.322	<0.322	<0.322	<0.322	60	12
Methylene chloride	<0.358	<0.358	<0.358	<0.358	5	0.5
Styrene	<0.534Q,S1	<0.534Q,S1	<0.534	<0.534	100	10
1,1,2,2-Tetrachloroethane	<0.291	<0.291	<0.291	<0.291	0.2	0.02
Tetrachloroethene	<0.400Q,S1	63.5Q,S1	5.66	6.55	5	0.5
1,2,4-Trimethylbenzene	<0.338Q,S1	<0.338Q,S1	<0.338	<0.338	480	96
1,3,5-Trimethylbenzene	<0.310Q,S1	<0.310Q,S1	<0.310	<0.310		
Toluene	<0.299	<0.299	<0.299	<0.299	800	160
1,1,1-Trichloroethane	<0.349	<0.349	<0.349	<0.349	200	40
1,1,2-Trichloroethane	<0.264	<0.264	<0.264	<0.264	5	0.5
Trichloroethene	<0.439	14.9	2.21	2.62	5	0.5
Vinyl acetate	<1.01	<1.01	<1.01	<1.01	-	-
Vinyl chloride	<0.316Q	<0.316Q	<0.316	<0.316	0.2	0.02
m,p-Xylene	<0.310	<0.310	<0.310	<0.310	-	-
o-Xylene	<0.349	<0.349	<0.349	<0.349	-	-
Xylenes, Total	<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

Analytical Report

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

April 21, 2020

Work Order: 20D0448

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.

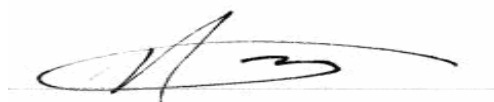
Sincerely,



Jacoby Jackson
Project Manager
847.967.6666
jjackson@emt.com

Approved for release: 4/20/2020 9:56:58AM

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-3 3'-4'	20D0448-01	Soil	04/09/20 11:00	04/10/20 09:45
GP-3 5'-6'	20D0448-02	Soil	04/09/20 11:05	04/10/20 09:45

Case Narrative

Client: United Engineering Consultants, Inc.

Date: 04/21/2020

Project: Waste Characterization
19044

Work Order: 20D0448

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: 20D0448

The samples were received on 04/10/20 09:45. 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.

GC-MS Volatiles

WDNR_VOC

BOD0550-BLK1 had some trace detects of compounds. These compounds were either non-detected in the sample or reported as a "J" flag to ensure no false positives reported.

Client Sample Results

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20D0448

Client Sample ID: GP-3 3'-4'
Report Date: 04/21/2020
Collection Date: 04/09/2020 11:00
Matrix: Soil
Lab ID: 20D0448-01

Analyses	Result	EMT Reporting		Units	Reg Limit	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual							
Wet Chemistry										
Method: SM2540G										
Total Solids	81.9	0.100		% (Percent)		0.0240	04/13/20 15:45	B0D0406	MKP	1
Volatile Organic Compounds by GC/MS										
Method: SW-846 8260B/WDNR: PUBL-FW-140										
1,1,1-Trichloroethane	< 25.0	25.0		ug/Kg dry		21.4	04/17/20 04:46	B0D0550	KS1	50
1,1,2,2-Tetrachloroethane	< 25.0	25.0		ug/Kg dry		20.7	04/17/20 04:46	B0D0550	KS1	50
1,1,2-Trichloroethane	< 25.0	25.0		ug/Kg dry		21.2	04/17/20 04:46	B0D0550	KS1	50
1,1-Dichloroethane	< 32.2	32.2		ug/Kg dry		32.2	04/17/20 04:46	B0D0550	KS1	50
1,1-Dichloroethene	< 25.2	25.2		ug/Kg dry		25.2	04/17/20 04:46	B0D0550	KS1	50
1,2,4-Trimethylbenzene	< 25.0	25.0		ug/Kg dry		12.4	04/17/20 04:46	B0D0550	KS1	50
1,2-Dibromo-3-chloropropane	< 35.2	35.2		ug/Kg dry		35.2	04/17/20 04:46	B0D0550	KS1	50
1,2-Dibromoethane	< 25.0	25.0		ug/Kg dry		10.8	04/17/20 04:46	B0D0550	KS1	50
1,2-Dichloroethane	< 25.0	25.0		ug/Kg dry		7.80	04/17/20 04:46	B0D0550	KS1	50
1,2-Dichloropropane	< 25.0	25.0		ug/Kg dry		14.4	04/17/20 04:46	B0D0550	KS1	50
1,3,5-Trimethylbenzene	< 25.0	25.0		ug/Kg dry		12.2	04/17/20 04:46	B0D0550	KS1	50
1-Butanol	< 368	368		ug/Kg dry		368	04/17/20 04:46	B0D0550	KS1	50
2-Butanone	< 91.5	91.5		ug/Kg dry		91.5	04/17/20 04:46	B0D0550	KS1	50
2-Hexanone	< 63.2	63.2		ug/Kg dry		63.2	04/17/20 04:46	B0D0550	KS1	50
4-Methyl-2-pentanone	< 42.6	42.6		ug/Kg dry		42.6	04/17/20 04:46	B0D0550	KS1	50
Acetone	< 295	295		ug/Kg dry		157	04/17/20 04:46	B0D0550	KS1	50
Acrylonitrile	< 45.2	45.2		ug/Kg dry		45.2	04/17/20 04:46	B0D0550	KS1	50
Benzene	< 25.0	25.0		ug/Kg dry		9.26	04/17/20 04:46	B0D0550	KS1	50
Bromodichloromethane	< 25.0	25.0		ug/Kg dry		13.8	04/17/20 04:46	B0D0550	KS1	50
Bromoform	< 25.0	25.0		ug/Kg dry		15.0	04/17/20 04:46	B0D0550	KS1	50
Carbon disulfide	< 25.0	25.0		ug/Kg dry		11.2	04/17/20 04:46	B0D0550	KS1	50
Carbon tetrachloride	< 25.0	25.0		ug/Kg dry		9.72	04/17/20 04:46	B0D0550	KS1	50
Chlorobenzene	< 25.0	25.0		ug/Kg dry		10.7	04/17/20 04:46	B0D0550	KS1	50
Chloroform	< 25.0	25.0		ug/Kg dry		20.0	04/17/20 04:46	B0D0550	KS1	50
cis-1,2-Dichloroethene	< 25.0	25.0		ug/Kg dry		22.0	04/17/20 04:46	B0D0550	KS1	50
Dibromochloromethane	< 25.0	25.0		ug/Kg dry		17.5	04/17/20 04:46	B0D0550	KS1	50
Ethylbenzene	< 25.0	25.0		ug/Kg dry		13.8	04/17/20 04:46	B0D0550	KS1	50
m,p-Xylene	< 68.4	68.4		ug/Kg dry		68.4	04/17/20 04:46	B0D0550	KS1	50
Methyl tert-butyl ether	< 25.0	25.0		ug/Kg dry		16.1	04/17/20 04:46	B0D0550	KS1	50
Methylene chloride	127	37.6		ug/Kg dry		37.6	04/17/20 04:46	B0D0550	KS1	50
o-Xylene	< 25.0	25.0		ug/Kg dry		9.50	04/17/20 04:46	B0D0550	KS1	50
Styrene	< 25.0	25.0		ug/Kg dry		13.7	04/17/20 04:46	B0D0550	KS1	50
Tetrachloroethene	35.9	25.0		ug/Kg dry		16.7	04/17/20 04:46	B0D0550	KS1	50
Toluene	< 25.0	25.0		ug/Kg dry		12.5	04/17/20 04:46	B0D0550	KS1	50
trans-1,2-Dichloroethene	< 30.3	30.3		ug/Kg dry		30.3	04/17/20 04:46	B0D0550	KS1	50
Trichloroethene	< 25.0	25.0		ug/Kg dry		11.1	04/17/20 04:46	B0D0550	KS1	50
Vinyl acetate	< 25.0	25.0		ug/Kg dry		24.6	04/17/20 04:46	B0D0550	KS1	50
Vinyl chloride	< 25.0	25.0		ug/Kg dry		15.2	04/17/20 04:46	B0D0550	KS1	50
Xylenes, Total	< 77.9	77.9		ug/Kg dry		77.9	04/17/20 04:46	B0D0550	KS1	50

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20D0448

Client Sample ID: GP-3 3'-4'
Report Date: 04/21/2020
Collection Date: 04/09/2020 11:00
Matrix: Soil
Lab ID: 20D0448-01 (Continued)

Analyses	Result	EMT Reporting		Qual	Units	Reg Limit	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Limit								
Volatile Organic Compounds by GC/MS (Continued)											
Method: SW-846 8260B/WDNR: PUBL-FW-140 (Continued)											
1,2-Dichloroethene, Total	< 52.4	52.4			ug/Kg dry		52.4	04/17/20 04:46	B0D0550	KS1	50
Surrogate: Dibromofluoromethane					Recovery: 102%		Limits: 78-137	04/17/20 04:46	B0D0550	KS1	1
Surrogate: 1,2-Dichloroethane-d4					Recovery: 103%		Limits: 86-137	04/17/20 04:46	B0D0550	KS1	1
Surrogate: Fluorobenzene					Recovery: 98%		Limits: 80-120	04/17/20 04:46	B0D0550	KS1	1
Surrogate: Toluene-d8					Recovery: 97%		Limits: 73-112	04/17/20 04:46	B0D0550	KS1	1
Surrogate: 4-Bromofluorobenzene					Recovery: 90%		Limits: 85-120	04/17/20 04:46	B0D0550	KS1	1
Surrogate: 1,2-Dichlorobenzene-d4					Recovery: 100%		Limits: 85-128	04/17/20 04:46	B0D0550	KS1	1

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20D0448

Client Sample ID: GP-3 5'-6'
Report Date: 04/21/2020
Collection Date: 04/09/2020 11:05
Matrix: Soil
Lab ID: 20D0448-02

Analyses	Result	EMT		Units	Reg Limit	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Reporting Limit	Qual							
Wet Chemistry										
Method: SM2540G										
Total Solids	83.9	0.100		% (Percent)		0.0240	04/13/20 15:47	B0D0406	MKP	1
Volatile Organic Compounds by GC/MS										
Method: SW-846 8260B/WDNR: PUBL-FW-140										
1,1,1-Trichloroethane	< 25.0	25.0		ug/Kg dry		23.0	04/17/20 05:11	B0D0550	KS1	50
1,1,2,2-Tetrachloroethane	< 25.0	25.0		ug/Kg dry		22.2	04/17/20 05:11	B0D0550	KS1	50
1,1,2-Trichloroethane	< 25.0	25.0		ug/Kg dry		22.8	04/17/20 05:11	B0D0550	KS1	50
1,1-Dichloroethane	< 34.6	34.6		ug/Kg dry		34.6	04/17/20 05:11	B0D0550	KS1	50
1,1-Dichloroethene	< 27.0	27.0		ug/Kg dry		27.0	04/17/20 05:11	B0D0550	KS1	50
1,2,4-Trimethylbenzene	< 25.0	25.0		ug/Kg dry		13.3	04/17/20 05:11	B0D0550	KS1	50
1,2-Dibromo-3-chloropropane	< 37.8	37.8		ug/Kg dry		37.8	04/17/20 05:11	B0D0550	KS1	50
1,2-Dibromoethane	< 25.0	25.0		ug/Kg dry		11.6	04/17/20 05:11	B0D0550	KS1	50
1,2-Dichloroethane	< 25.0	25.0		ug/Kg dry		8.38	04/17/20 05:11	B0D0550	KS1	50
1,2-Dichloropropane	< 25.0	25.0		ug/Kg dry		15.5	04/17/20 05:11	B0D0550	KS1	50
1,3,5-Trimethylbenzene	< 25.0	25.0		ug/Kg dry		13.1	04/17/20 05:11	B0D0550	KS1	50
1-Butanol	< 396	396		ug/Kg dry		396	04/17/20 05:11	B0D0550	KS1	50
2-Butanone	< 98.4	98.4		ug/Kg dry		98.4	04/17/20 05:11	B0D0550	KS1	50
2-Hexanone	< 67.9	67.9		ug/Kg dry		67.9	04/17/20 05:11	B0D0550	KS1	50
4-Methyl-2-pentanone	< 45.7	45.7		ug/Kg dry		45.7	04/17/20 05:11	B0D0550	KS1	50
Acetone	< 210	210		ug/Kg dry		169	04/17/20 05:11	B0D0550	KS1	50
Acrylonitrile	< 48.5	48.5		ug/Kg dry		48.5	04/17/20 05:11	B0D0550	KS1	50
Benzene	< 25.0	25.0		ug/Kg dry		9.94	04/17/20 05:11	B0D0550	KS1	50
Bromodichloromethane	< 25.0	25.0		ug/Kg dry		14.8	04/17/20 05:11	B0D0550	KS1	50
Bromoform	< 25.0	25.0		ug/Kg dry		16.2	04/17/20 05:11	B0D0550	KS1	50
Carbon disulfide	31.9	25.0		ug/Kg dry		12.1	04/17/20 05:11	B0D0550	KS1	50
Carbon tetrachloride	< 25.0	25.0		ug/Kg dry		10.4	04/17/20 05:11	B0D0550	KS1	50
Chlorobenzene	< 25.0	25.0		ug/Kg dry		11.5	04/17/20 05:11	B0D0550	KS1	50
Chloroform	< 25.0	25.0		ug/Kg dry		21.5	04/17/20 05:11	B0D0550	KS1	50
cis-1,2-Dichloroethene	< 25.0	25.0		ug/Kg dry		23.7	04/17/20 05:11	B0D0550	KS1	50
Dibromochloromethane	< 25.0	25.0		ug/Kg dry		18.8	04/17/20 05:11	B0D0550	KS1	50
Ethylbenzene	< 25.0	25.0		ug/Kg dry		14.8	04/17/20 05:11	B0D0550	KS1	50
m,p-Xylene	< 73.5	73.5		ug/Kg dry		73.5	04/17/20 05:11	B0D0550	KS1	50
Methyl tert-butyl ether	< 25.0	25.0		ug/Kg dry		17.3	04/17/20 05:11	B0D0550	KS1	50
Methylene chloride	130	40.4		ug/Kg dry		40.4	04/17/20 05:11	B0D0550	KS1	50
o-Xylene	< 25.0	25.0		ug/Kg dry		10.2	04/17/20 05:11	B0D0550	KS1	50
Styrene	< 25.0	25.0		ug/Kg dry		14.8	04/17/20 05:11	B0D0550	KS1	50
Tetrachloroethene	< 25.0	25.0		ug/Kg dry		17.9	04/17/20 05:11	B0D0550	KS1	50
Toluene	< 25.0	25.0		ug/Kg dry		13.4	04/17/20 05:11	B0D0550	KS1	50
trans-1,2-Dichloroethene	< 32.6	32.6		ug/Kg dry		32.6	04/17/20 05:11	B0D0550	KS1	50
Trichloroethene	< 25.0	25.0		ug/Kg dry		11.9	04/17/20 05:11	B0D0550	KS1	50
Vinyl acetate	< 26.5	26.5		ug/Kg dry		26.5	04/17/20 05:11	B0D0550	KS1	50
Vinyl chloride	< 25.0	25.0		ug/Kg dry		16.3	04/17/20 05:11	B0D0550	KS1	50
Xylenes, Total	< 83.7	83.7		ug/Kg dry		83.7	04/17/20 05:11	B0D0550	KS1	50

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20D0448

Client Sample ID: GP-3 5'-6'
Report Date: 04/21/2020
Collection Date: 04/09/2020 11:05
Matrix: Soil
Lab ID: 20D0448-02 (Continued)

Analyses	Result	EMT Reporting		Qual	Units	Reg Limit	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Limit								
Volatile Organic Compounds by GC/MS (Continued)											
Method: SW-846 8260B/WDNR: PUBL-FW-140 (Continued)											
1,2-Dichloroethene, Total	< 56.3	56.3			ug/Kg dry		56.3	04/17/20 05:11	B0D0550	KS1	50
Surrogate: Dibromofluoromethane					Recovery: 101%		Limits: 78-137	04/17/20 05:11	B0D0550	KS1	1
Surrogate: 1,2-Dichloroethane-d4					Recovery: 104%		Limits: 86-137	04/17/20 05:11	B0D0550	KS1	1
Surrogate: Fluorobenzene					Recovery: 101%		Limits: 80-120	04/17/20 05:11	B0D0550	KS1	1
Surrogate: Toluene-d8					Recovery: 99%		Limits: 73-112	04/17/20 05:11	B0D0550	KS1	1
Surrogate: 4-Bromofluorobenzene					Recovery: 88%		Limits: 85-120	04/17/20 05:11	B0D0550	KS1	1
Surrogate: 1,2-Dichlorobenzene-d4					Recovery: 107%		Limits: 85-128	04/17/20 05:11	B0D0550	KS1	1

Dates Report

Client: United Engineering Consultants, Inc.

Report Date: 04/21/2020

Project: Waste Characterization
19044

Work Order: 20D0448

Sample ID	Client Sample ID	Collection	Matrix	Test Name	Leached Prep Date	Prep Date	Analysis Date	Batch ID	Sequence
20D0448-01	GP-3 3'-4'	04/09/20	Soil	Total Solids / Percent Moisture		04/13/20 14:31	04/13/20 15:45	B0D0406	
				Volatile Organic Compounds (WDNR) by GC/MS		04/16/20 15:51	04/17/20 04:46	B0D0550	S0D0251
20D0448-02	GP-3 5'-6'	04/09/20	Soil	Total Solids / Percent Moisture		04/13/20 14:31	04/13/20 15:47	B0D0406	
				Volatile Organic Compounds (WDNR) by GC/MS		04/16/20 15:51	04/17/20 05:11	B0D0550	S0D0251

Quality Control

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20D0448

Report Date: 04/21/2020
Matrix: Solid

Wet Chemistry

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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Batch: B0D0406

Blank (B0D0406-BLK1)

Prepared: 04/13/2020 14:31 Analyzed: 04/13/2020 16:23

Total Solids	< 0.0240	0.100	%								1
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LCS (B0D0406-BS1)

Prepared: 04/13/2020 14:31 Analyzed: 04/13/2020 16:25

Total Solids	0.194	0.100	%	0.2033		95.7	88.2-102				1
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Duplicate (B0D0406-DUP1)

Source: 20D0457-20

Prepared: 04/13/2020 14:31 Analyzed: 04/13/2020 16:27

Total Solids	92.3	0.100	%		93.4			1.11	5		1
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Duplicate (B0D0406-DUP2)

Source: 20D0457-31

Prepared: 04/13/2020 14:31 Analyzed: 04/13/2020 16:29

Total Solids	70.1	0.100	%		70.1			0.0442	5		1
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Quality Control

(Continued)

Client: United Engineering Consultants, Inc.**Report Date:** 04/21/2020**Project:** Waste Characterization
19044**Matrix:** Solid**Work Order:** 20D0448**Volatile Organic Compounds by GC/MS**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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Batch: B0D0550**Blank (B0D0550-BLK1)**

Prepared: 04/16/2020 15:51 Analyzed: 04/17/2020 00:37

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

Surrogate: Dibromofluoromethane	20.1		ug/Kg	20.00		101	78-137				1
Surrogate: 1,2-Dichloroethane-d4	20.4		ug/Kg	20.00		102	86-137				1

Quality Control

(Continued)

Client: United Engineering Consultants, Inc.**Report Date:** 04/21/2020**Project:** Waste Characterization
19044**Matrix:** Solid**Work Order:** 20D0448**Volatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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Batch: B0D0550 (Continued)**Blank (B0D0550-BLK1) (Continued)**

Prepared: 04/16/2020 15:51 Analyzed: 04/17/2020 00:37

Surrogate: Fluorobenzene	19.8		ug/Kg	20.00		99	80-120				1
Surrogate: Toluene-d8	22.0		ug/Kg	20.00		110	73-112				1
Surrogate: 4-Bromofluorobenzene	9.67		ug/Kg	10.00		97	85-120				1
Surrogate: 1,2-Dichlorobenzene-d4	19.8		ug/Kg	20.00		99	85-128				1

LCS (B0D0550-BS1)

Prepared: 04/16/2020 15:51 Analyzed: 04/16/2020 23:22

1,1,1-Trichloroethane	43.7	4.00	ug/Kg wet	40.00		109	55-145				1
1,1,1,2,2-Tetrachloroethane	48.0	4.00	ug/Kg wet	40.00		120	40-145				1
1,1,1,2-Trichloroethane	41.3	4.00	ug/Kg wet	40.00		103	50-140				1
1,1-Dichloroethane	44.5	4.00	ug/Kg wet	40.00		111	65-135				1
1,1-Dichloroethene	48.2	4.00	ug/Kg wet	40.00		120	55-150				1
1,2,4-Trimethylbenzene	43.9	2.00	ug/Kg wet	40.00		110	55-145				1
1,2-Dibromo-3-chloropropane	47.4	4.00	ug/Kg wet	40.00		118	25-150				1
1,2-Dibromoethane	41.4	2.00	ug/Kg wet	40.00		104	60-135				1
1,2-Dichloroethane	41.4	1.00	ug/Kg wet	40.00		103	60-145				1
1,2-Dichloropropane	42.2	2.00	ug/Kg wet	40.00		105	65-125				1
1,3,5-Trimethylbenzene	45.0	2.00	ug/Kg wet	40.00		112	55-145				1
1-Butanol	384	72.0	ug/Kg wet	400.0		96	70-130				1
2-Butanone	147	14.0	ug/Kg wet	140.0		105	10-180				1
2-Hexanone	148	7.00	ug/Kg wet	140.0		106	30-160				1
4-Methyl-2-pentanone	147	7.00	ug/Kg wet	140.0		105	30-165				1
Acetone	131	35.0	ug/Kg wet	140.0		94	10-180				1
Acrylonitrile	36.2	8.00	ug/Kg wet	40.00		90	70-130				1
Benzene	41.2	2.00	ug/Kg wet	40.00		103	65-135				1
Bromodichloromethane	39.5	2.00	ug/Kg wet	40.00		99	60-135				1
Bromoform	39.4	2.00	ug/Kg wet	40.00		98	45-150				1
Carbon disulfide	40.6	2.00	ug/Kg wet	40.00		101	30-180				1
Carbon tetrachloride	42.8	2.00	ug/Kg wet	40.00		107	55-145				1
Chlorobenzene	40.6	2.00	ug/Kg wet	40.00		101	65-130				1
Chloroform	42.8	2.00	ug/Kg wet	40.00		107	65-135				1
cis-1,2-Dichloroethene	43.2	4.00	ug/Kg wet	40.00		108	55-135				1
Dibromochloromethane	39.5	4.00	ug/Kg wet	40.00		99	55-140				1
Ethylbenzene	39.9	2.00	ug/Kg wet	40.00		100	65-135				1
m,p-Xylene	80.0	8.00	ug/Kg wet	80.00		100	70-135				1
Methyl tert-butyl ether	40.8	2.00	ug/Kg wet	40.00		102	70-130				1
Methylene chloride	47.1	4.00	ug/Kg wet	40.00		118	40-155				1
o-Xylene	46.4	2.00	ug/Kg wet	40.00		116	70-135				1
Styrene	39.6	2.00	ug/Kg wet	40.00		99	65-135				1
Tetrachloroethene	40.8	2.00	ug/Kg wet	40.00		102	55-150				1
Toluene	41.5	2.00	ug/Kg wet	40.00		104	60-135				1
trans-1,2-Dichloroethene	43.3	4.00	ug/Kg wet	40.00		108	55-145				1
Trichloroethene	41.4	2.00	ug/Kg wet	40.00		104	70-130				1

Quality Control

(Continued)

Client: United Engineering Consultants, Inc.**Report Date:** 04/21/2020**Project:** Waste Characterization
19044**Matrix:** Solid**Work Order:** 20D0448**Volatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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Batch: B0D0550 (Continued)**LCS (B0D0550-BS1) (Continued)**

Prepared: 04/16/2020 15:51 Analyzed: 04/16/2020 23:22

Vinyl acetate	43.1	4.00	ug/Kg wet	40.00		108	50-150				1
Vinyl chloride	46.5	2.00	ug/Kg wet	40.00		116	45-140				1
Xylenes, Total	126	10.0	ug/Kg wet	120.0		105	70-135				1
1,2-Dichloroethene, Total	86.5	8.00	ug/Kg wet	80.00		108	55-135				1
Surrogate: Dibromofluoromethane	20.4		ug/Kg	20.00		102	78-137				1
Surrogate: 1,2-Dichloroethane-d4	20.3		ug/Kg	20.00		101	86-137				1
Surrogate: Fluorobenzene	20.0		ug/Kg	20.00		100	80-120				1
Surrogate: Toluene-d8	19.4		ug/Kg	20.00		97	73-112				1
Surrogate: 4-Bromofluorobenzene	10.4		ug/Kg	10.00		104	85-120				1
Surrogate: 1,2-Dichlorobenzene-d4	20.0		ug/Kg	20.00		100	85-128				1

LCS Dup (B0D0550-BSD1)

Prepared: 04/16/2020 15:51 Analyzed: 04/16/2020 23:47

1,1,1-Trichloroethane	43.0	4.00	ug/Kg wet	40.00		107	55-145	2	20		1
1,1,2,2-Tetrachloroethane	42.2	4.00	ug/Kg wet	40.00		106	40-145	13	20		1
1,1,2-Trichloroethane	43.2	4.00	ug/Kg wet	40.00		108	50-140	5	20		1
1,1-Dichloroethane	45.9	4.00	ug/Kg wet	40.00		115	65-135	3	20		1
1,1-Dichloroethene	47.3	4.00	ug/Kg wet	40.00		118	55-150	2	20		1
1,2,4-Trimethylbenzene	39.4	2.00	ug/Kg wet	40.00		98	55-145	11	20		1
1,2-Dibromo-3-chloropropane	39.6	4.00	ug/Kg wet	40.00		99	25-150	18	20		1
1,2-Dibromoethane	39.1	2.00	ug/Kg wet	40.00		98	60-135	6	20		1
1,2-Dichloroethane	43.9	1.00	ug/Kg wet	40.00		110	60-145	6	20		1
1,2-Dichloropropane	43.6	2.00	ug/Kg wet	40.00		109	65-125	3	20		1
1,3,5-Trimethylbenzene	39.8	2.00	ug/Kg wet	40.00		99	55-145	12	20		1
1-Butanol	414	72.0	ug/Kg wet	400.0		104	70-130	8	20		1
2-Butanone	154	14.0	ug/Kg wet	140.0		110	10-180	4	20		1
2-Hexanone	147	7.00	ug/Kg wet	140.0		105	30-160	1	20		1
4-Methyl-2-pentanone	148	7.00	ug/Kg wet	140.0		106	30-165	0.4	20		1
Acetone	141	35.0	ug/Kg wet	140.0		101	10-180	7	20		1
Acrylonitrile	41.2	8.00	ug/Kg wet	40.00		103	70-130	13	20		1
Benzene	41.6	2.00	ug/Kg wet	40.00		104	65-135	1	20		1
Bromodichloromethane	40.4	2.00	ug/Kg wet	40.00		101	60-135	2	20		1
Bromoform	37.6	2.00	ug/Kg wet	40.00		94	45-150	5	20		1
Carbon disulfide	40.9	2.00	ug/Kg wet	40.00		102	30-180	0.8	20		1
Carbon tetrachloride	41.7	2.00	ug/Kg wet	40.00		104	55-145	3	20		1
Chlorobenzene	39.7	2.00	ug/Kg wet	40.00		99	65-130	2	20		1
Chloroform	44.6	2.00	ug/Kg wet	40.00		112	65-135	4	20		1
cis-1,2-Dichloroethene	44.4	4.00	ug/Kg wet	40.00		111	55-135	3	20		1
Dibromochloromethane	39.2	4.00	ug/Kg wet	40.00		98	55-140	0.8	20		1
Ethylbenzene	38.9	2.00	ug/Kg wet	40.00		97	65-135	3	20		1
m,p-Xylene	79.0	8.00	ug/Kg wet	80.00		99	70-135	1	20		1
Methyl tert-butyl ether	41.6	2.00	ug/Kg wet	40.00		104	70-130	2	20		1
Methylene chloride	48.0	4.00	ug/Kg wet	40.00		120	40-155	2	20		1

Quality Control

(Continued)

Client: United Engineering Consultants, Inc.**Report Date:** 04/21/2020**Project:** Waste Characterization
19044**Matrix:** Solid**Work Order:** 20D0448**Volatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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Batch: B0D0550 (Continued)**LCS Dup (B0D0550-BSD1)** (Continued)

Prepared: 04/16/2020 15:51 Analyzed: 04/16/2020 23:47

o-Xylene	40.0	2.00	ug/Kg wet	40.00		100	70-135	15	20		1
Styrene	39.3	2.00	ug/Kg wet	40.00		98	65-135	0.9	20		1
Tetrachloroethene	40.5	2.00	ug/Kg wet	40.00		101	55-150	0.6	20		1
Toluene	40.3	2.00	ug/Kg wet	40.00		101	60-135	3	20		1
trans-1,2-Dichloroethene	45.1	4.00	ug/Kg wet	40.00		113	55-145	4	20		1
Trichloroethene	41.8	2.00	ug/Kg wet	40.00		105	70-130	0.9	20		1
Vinyl acetate	43.9	4.00	ug/Kg wet	40.00		110	50-150	2	20		1
Vinyl chloride	47.4	2.00	ug/Kg wet	40.00		118	45-140	2	20		1
Xylenes, Total	119	10.0	ug/Kg wet	120.0		99	70-135	6	20		1
1,2-Dichloroethene, Total	89.5	8.00	ug/Kg wet	80.00		112	55-135	3	20		1
<hr/>											
Surrogate: Dibromofluoromethane	21.6		ug/Kg	20.00		108	78-137				1
Surrogate: 1,2-Dichloroethane-d4	21.3		ug/Kg	20.00		107	86-137				1
Surrogate: Fluorobenzene	20.6		ug/Kg	20.00		103	80-120				1
Surrogate: Toluene-d8	19.6		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	19.4		ug/Kg	20.00		97	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
o-Xylene	95-47-6	WDNR
Styrene	100-42-5	WDNR
Tetrachloroethene	127-18-4	WDNR
Toluene	108-88-3	WDNR
trans-1,2-Dichloroethene	156-60-5	WDNR
Trichloroethene	79-01-6	WDNR
Vinyl acetate	108-05-4	WDNR
Vinyl chloride	75-01-4	WDNR

Certified Analyses included in this Report (Continued)

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

List of Certifications

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

Qualifiers and Definitions

Item	Description
%Rec	Percent Recovery

Sample Receipt Checklist

Work Order: 20D0448

Printed: 4/10/2020 10:27:17AM

Client: United Engineering Consultants, Inc.
Project: Waste Characterization**Date Due: Friday, April 17, 2020****Received By: Keith Wesseling****Date Received: 04/10/20 09:45****Logged In By: Agnieszka B. Zabawa****Date Logged In: 04/10/20 10:18**

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

92 w

4/10/20

Analytical Report

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

April 23, 2020

Work Order: 20D0658

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: 4/23/2020 4:33:01PM

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-2	20D0658-01	Groundwater	04/16/20 10:00	04/17/20 14:15
MW-2 Dup	20D0658-02	Groundwater	04/16/20 10:15	04/17/20 14:15
Trip Blank	20D0658-03	Water	04/16/20 00:00	04/17/20 14:15

Case Narrative

Client: United Engineering Consultants, Inc.

Date: 04/23/2020

Project: Waste Characterization
19044

Work Order: 20D0658

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: 20D0658

The samples were received on 04/17/20 14:15. 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.

Client Sample Results

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20D0658

Client Sample ID: MW-2
Report Date: 04/23/2020
Collection Date: 04/16/2020 10:00
Matrix: Groundwater
Lab ID: 20D0658-01

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	04/23/20 03:13	B0D0747	WZZ	1
1,1,2,2-Tetrachloroethane	< 0.291	2.00		ug/L		0.291	04/23/20 03:13	B0D0747	WZZ	1
1,1,2-Trichloroethane	< 0.264	2.00		ug/L		0.264	04/23/20 03:13	B0D0747	WZZ	1
1,1-Dichloroethane	< 1.94	8.00		ug/L		1.94	04/23/20 03:13	B0D0747	WZZ	1
1,1-Dichloroethene	< 1.02	4.00		ug/L		1.02	04/23/20 03:13	B0D0747	WZZ	1
1,2,4-Trimethylbenzene	< 0.338	2.00		ug/L		0.338	04/23/20 03:13	B0D0747	WZZ	1
1,2-Dibromo-3-chloropropane	< 0.488	2.00		ug/L		0.488	04/23/20 03:13	B0D0747	WZZ	1
1,2-Dibromoethane	< 0.320	2.00		ug/L		0.320	04/23/20 03:13	B0D0747	WZZ	1
1,2-Dichloroethane	< 0.274	2.00		ug/L		0.274	04/23/20 03:13	B0D0747	WZZ	1
1,2-Dichloropropane	< 1.11	4.00		ug/L		1.11	04/23/20 03:13	B0D0747	WZZ	1
1,3,5-Trimethylbenzene	< 0.310	2.00		ug/L		0.310	04/23/20 03:13	B0D0747	WZZ	1
1-Butanol	< 6.69	90.0		ug/L		6.69	04/23/20 03:13	B0D0747	WZZ	1
2-Butanone	< 1.38	8.00		ug/L		1.38	04/23/20 03:13	B0D0747	WZZ	1
2-Hexanone	< 1.04	8.00		ug/L		1.04	04/23/20 03:13	B0D0747	WZZ	1
4-Methyl-2-pentanone	11.6	28.0	J	ug/L		0.660	04/23/20 03:13	B0D0747	WZZ	1
Acetone	42.4	28.0		ug/L		3.75	04/23/20 03:13	B0D0747	WZZ	1
Acrolein	< 6.63	20.0		ug/L		6.63	04/23/20 03:13	B0D0747	WZZ	1
Acrylonitrile	< 0.742	4.00		ug/L		0.742	04/23/20 03:13	B0D0747	WZZ	1
Benzene	< 0.370	2.00		ug/L		0.370	04/23/20 03:13	B0D0747	WZZ	1
Bromodichloromethane	< 0.310	2.00		ug/L		0.310	04/23/20 03:13	B0D0747	WZZ	1
Bromoform	< 0.254	2.00		ug/L		0.254	04/23/20 03:13	B0D0747	WZZ	1
Bromomethane	< 3.30	20.0		ug/L		3.30	04/23/20 03:13	B0D0747	WZZ	1
Carbon disulfide	1.50	2.00	J	ug/L		0.259	04/23/20 03:13	B0D0747	WZZ	1
Carbon tetrachloride	< 0.390	2.00		ug/L		0.390	04/23/20 03:13	B0D0747	WZZ	1
Chlorobenzene	< 0.358	2.00		ug/L		0.358	04/23/20 03:13	B0D0747	WZZ	1
Chloroethane	< 0.906	4.00		ug/L		0.906	04/23/20 03:13	B0D0747	WZZ	1
Chloroform	< 0.397	2.00		ug/L		0.397	04/23/20 03:13	B0D0747	WZZ	1
Chloromethane	< 2.23	8.00		ug/L		2.23	04/23/20 03:13	B0D0747	WZZ	1
cis-1,2-Dichloroethene	0.640	2.00	J	ug/L		0.421	04/23/20 03:13	B0D0747	WZZ	1
cis-1,3-Dichloropropene	< 0.278	2.00		ug/L		0.278	04/23/20 03:13	B0D0747	WZZ	1
Dibromochloromethane	< 0.492	2.00		ug/L		0.492	04/23/20 03:13	B0D0747	WZZ	1
Ethylbenzene	< 0.431	2.00		ug/L		0.431	04/23/20 03:13	B0D0747	WZZ	1
m,p-Xylene	< 0.310	4.00		ug/L		0.310	04/23/20 03:13	B0D0747	WZZ	1
Methyl tert-butyl ether	< 0.322	2.00		ug/L		0.322	04/23/20 03:13	B0D0747	WZZ	1
Methylene chloride	< 0.358	2.00		ug/L		0.358	04/23/20 03:13	B0D0747	WZZ	1
o-Xylene	< 0.349	2.00		ug/L		0.349	04/23/20 03:13	B0D0747	WZZ	1
Styrene	< 0.534	4.00		ug/L		0.534	04/23/20 03:13	B0D0747	WZZ	1
Tetrachloroethene	5.66	2.00		ug/L		0.400	04/23/20 03:13	B0D0747	WZZ	1
Toluene	< 0.299	2.00		ug/L		0.299	04/23/20 03:13	B0D0747	WZZ	1
trans-1,2-Dichloroethene	< 0.433	2.00		ug/L		0.433	04/23/20 03:13	B0D0747	WZZ	1
trans-1,3-Dichloropropene	< 0.314	2.00		ug/L		0.314	04/23/20 03:13	B0D0747	WZZ	1
Trichloroethene	2.21	2.00		ug/L		0.439	04/23/20 03:13	B0D0747	WZZ	1
Vinyl acetate	< 1.01	8.00		ug/L		1.01	04/23/20 03:13	B0D0747	WZZ	1

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20D0658

Client Sample ID: MW-2
Report Date: 04/23/2020
Collection Date: 04/16/2020 10:00
Matrix: Groundwater
Lab ID: 20D0658-01 (Continued)

Analyses	EMT Reporting			Reg Limit	MDL	Date/Time Analyzed	Batch	Analyst	DF	
	Result	Limit	Qual Units							
Volatile Organic Compounds by GC/MS (Continued)										
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 (Continued)										
Vinyl chloride	< 0.316	2.00	ug/L		0.316	04/23/20 03:13	B0D0747	WZZ	1	
Xylenes, Total	< 0.660	6.00	ug/L		0.660	04/23/20 03:13	B0D0747	WZZ	1	
1,3-Dichloropropene, Total	< 0.592	4.00	ug/L		0.592	04/23/20 03:13	B0D0747	WZZ	1	
Surrogate: Dibromofluoromethane				Recovery: 101%	Limits: 80-135	04/23/20 03:13	B0D0747	WZZ	1	
Surrogate: 1,2-Dichloroethane-d4				Recovery: 104%	Limits: 86-132	04/23/20 03:13	B0D0747	WZZ	1	
Surrogate: Fluorobenzene				Recovery: 100%	Limits: 80-116	04/23/20 03:13	B0D0747	WZZ	1	
Surrogate: Toluene-d8				Recovery: 98%	Limits: 73-120	04/23/20 03:13	B0D0747	WZZ	1	
Surrogate: 4-Bromofluorobenzene				Recovery: 105%	Limits: 85-114	04/23/20 03:13	B0D0747	WZZ	1	
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 98%	Limits: 88-136	04/23/20 03:13	B0D0747	WZZ	1	

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20D0658

Client Sample ID: MW-2 Dup
Report Date: 04/23/2020
Collection Date: 04/16/2020 10:15
Matrix: Groundwater
Lab ID: 20D0658-02

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	04/23/20 03:38	B0D0747	WZZ	1
1,1,2,2-Tetrachloroethane	< 0.291	2.00		ug/L		0.291	04/23/20 03:38	B0D0747	WZZ	1
1,1,2-Trichloroethane	< 0.264	2.00		ug/L		0.264	04/23/20 03:38	B0D0747	WZZ	1
1,1-Dichloroethane	< 1.94	8.00		ug/L		1.94	04/23/20 03:38	B0D0747	WZZ	1
1,1-Dichloroethene	< 1.02	4.00		ug/L		1.02	04/23/20 03:38	B0D0747	WZZ	1
1,2,4-Trimethylbenzene	< 0.338	2.00		ug/L		0.338	04/23/20 03:38	B0D0747	WZZ	1
1,2-Dibromo-3-chloropropane	< 0.488	2.00		ug/L		0.488	04/23/20 03:38	B0D0747	WZZ	1
1,2-Dibromoethane	< 0.320	2.00		ug/L		0.320	04/23/20 03:38	B0D0747	WZZ	1
1,2-Dichloroethane	< 0.274	2.00		ug/L		0.274	04/23/20 03:38	B0D0747	WZZ	1
1,2-Dichloropropane	< 1.11	4.00		ug/L		1.11	04/23/20 03:38	B0D0747	WZZ	1
1,3,5-Trimethylbenzene	< 0.310	2.00		ug/L		0.310	04/23/20 03:38	B0D0747	WZZ	1
1-Butanol	< 6.69	90.0		ug/L		6.69	04/23/20 03:38	B0D0747	WZZ	1
2-Butanone	< 1.38	8.00		ug/L		1.38	04/23/20 03:38	B0D0747	WZZ	1
2-Hexanone	< 1.04	8.00		ug/L		1.04	04/23/20 03:38	B0D0747	WZZ	1
4-Methyl-2-pentanone	11.8	28.0	J	ug/L		0.660	04/23/20 03:38	B0D0747	WZZ	1
Acetone	19.6	28.0	J	ug/L		3.75	04/23/20 03:38	B0D0747	WZZ	1
Acrolein	< 6.63	20.0		ug/L		6.63	04/23/20 03:38	B0D0747	WZZ	1
Acrylonitrile	< 0.742	4.00		ug/L		0.742	04/23/20 03:38	B0D0747	WZZ	1
Benzene	< 0.370	2.00		ug/L		0.370	04/23/20 03:38	B0D0747	WZZ	1
Bromodichloromethane	< 0.310	2.00		ug/L		0.310	04/23/20 03:38	B0D0747	WZZ	1
Bromoform	< 0.254	2.00		ug/L		0.254	04/23/20 03:38	B0D0747	WZZ	1
Bromomethane	< 3.30	20.0		ug/L		3.30	04/23/20 03:38	B0D0747	WZZ	1
Carbon disulfide	< 0.259	2.00		ug/L		0.259	04/23/20 03:38	B0D0747	WZZ	1
Carbon tetrachloride	< 0.390	2.00		ug/L		0.390	04/23/20 03:38	B0D0747	WZZ	1
Chlorobenzene	< 0.358	2.00		ug/L		0.358	04/23/20 03:38	B0D0747	WZZ	1
Chloroethane	< 0.906	4.00		ug/L		0.906	04/23/20 03:38	B0D0747	WZZ	1
Chloroform	< 0.397	2.00		ug/L		0.397	04/23/20 03:38	B0D0747	WZZ	1
Chloromethane	< 2.23	8.00		ug/L		2.23	04/23/20 03:38	B0D0747	WZZ	1
cis-1,2-Dichloroethene	0.650	2.00	J	ug/L		0.421	04/23/20 03:38	B0D0747	WZZ	1
cis-1,3-Dichloropropene	< 0.278	2.00		ug/L		0.278	04/23/20 03:38	B0D0747	WZZ	1
Dibromochloromethane	< 0.492	2.00		ug/L		0.492	04/23/20 03:38	B0D0747	WZZ	1
Ethylbenzene	< 0.431	2.00		ug/L		0.431	04/23/20 03:38	B0D0747	WZZ	1
m,p-Xylene	< 0.310	4.00		ug/L		0.310	04/23/20 03:38	B0D0747	WZZ	1
Methyl tert-butyl ether	< 0.322	2.00		ug/L		0.322	04/23/20 03:38	B0D0747	WZZ	1
Methylene chloride	< 0.358	2.00		ug/L		0.358	04/23/20 03:38	B0D0747	WZZ	1
o-Xylene	< 0.349	2.00		ug/L		0.349	04/23/20 03:38	B0D0747	WZZ	1
Styrene	< 0.534	4.00		ug/L		0.534	04/23/20 03:38	B0D0747	WZZ	1
Tetrachloroethene	6.55	2.00		ug/L		0.400	04/23/20 03:38	B0D0747	WZZ	1
Toluene	< 0.299	2.00		ug/L		0.299	04/23/20 03:38	B0D0747	WZZ	1
trans-1,2-Dichloroethene	< 0.433	2.00		ug/L		0.433	04/23/20 03:38	B0D0747	WZZ	1
trans-1,3-Dichloropropene	< 0.314	2.00		ug/L		0.314	04/23/20 03:38	B0D0747	WZZ	1
Trichloroethene	2.62	2.00		ug/L		0.439	04/23/20 03:38	B0D0747	WZZ	1
Vinyl acetate	< 1.01	8.00		ug/L		1.01	04/23/20 03:38	B0D0747	WZZ	1

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20D0658

Client Sample ID: MW-2 Dup
Report Date: 04/23/2020
Collection Date: 04/16/2020 10:15
Matrix: Groundwater
Lab ID: 20D0658-02 (Continued)

Analyses	EMT Reporting			Reg Limit	MDL	Date/Time Analyzed	Batch	Analyst	DF	
	Result	Limit	Qual Units							
Volatile Organic Compounds by GC/MS (Continued)										
Method: SW-846 8260B/WDNR: PUBL-FW-140 / SW5030 (Continued)										
Vinyl chloride	< 0.316	2.00	ug/L		0.316	04/23/20 03:38	B0D0747	WZZ	1	
Xylenes, Total	< 0.660	6.00	ug/L		0.660	04/23/20 03:38	B0D0747	WZZ	1	
1,3-Dichloropropene, Total	< 0.592	4.00	ug/L		0.592	04/23/20 03:38	B0D0747	WZZ	1	
Surrogate: Dibromofluoromethane				Recovery: 97%	Limits: 80-135	04/23/20 03:38	B0D0747	WZZ	1	
Surrogate: 1,2-Dichloroethane-d4				Recovery: 98%	Limits: 86-132	04/23/20 03:38	B0D0747	WZZ	1	
Surrogate: Fluorobenzene				Recovery: 103%	Limits: 80-116	04/23/20 03:38	B0D0747	WZZ	1	
Surrogate: Toluene-d8				Recovery: 99%	Limits: 73-120	04/23/20 03:38	B0D0747	WZZ	1	
Surrogate: 4-Bromofluorobenzene				Recovery: 110%	Limits: 85-114	04/23/20 03:38	B0D0747	WZZ	1	
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 106%	Limits: 88-136	04/23/20 03:38	B0D0747	WZZ	1	

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20D0658

Client Sample ID: Trip Blank
Report Date: 04/23/2020
Collection Date: 04/16/2020 00:00
Matrix: Water
Lab ID: 20D0658-03

Analyses	Result	EMT Reporting		Units	Reg Limit	MDL	Date/Time Analyzed	Batch	Analyst	DF
		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	04/23/20 02:22	B0D0747	WZZ	1
1,1,2,2-Tetrachloroethane	< 0.291	2.00		ug/L		0.291	04/23/20 02:22	B0D0747	WZZ	1
1,1,2-Trichloroethane	< 0.264	2.00		ug/L		0.264	04/23/20 02:22	B0D0747	WZZ	1
1,1-Dichloroethane	< 1.94	8.00		ug/L		1.94	04/23/20 02:22	B0D0747	WZZ	1
1,1-Dichloroethene	< 1.02	4.00		ug/L		1.02	04/23/20 02:22	B0D0747	WZZ	1
1,2,4-Trimethylbenzene	< 0.338	2.00		ug/L		0.338	04/23/20 02:22	B0D0747	WZZ	1
1,2-Dibromo-3-chloropropane	< 0.488	2.00		ug/L		0.488	04/23/20 02:22	B0D0747	WZZ	1
1,2-Dibromoethane	< 0.320	2.00		ug/L		0.320	04/23/20 02:22	B0D0747	WZZ	1
1,2-Dichloroethane	< 0.274	2.00		ug/L		0.274	04/23/20 02:22	B0D0747	WZZ	1
1,2-Dichloropropane	< 1.11	4.00		ug/L		1.11	04/23/20 02:22	B0D0747	WZZ	1
1,3,5-Trimethylbenzene	< 0.310	2.00		ug/L		0.310	04/23/20 02:22	B0D0747	WZZ	1
1-Butanol	< 6.69	90.0		ug/L		6.69	04/23/20 02:22	B0D0747	WZZ	1
2-Butanone	< 1.38	8.00		ug/L		1.38	04/23/20 02:22	B0D0747	WZZ	1
2-Hexanone	< 1.04	8.00		ug/L		1.04	04/23/20 02:22	B0D0747	WZZ	1
4-Methyl-2-pentanone	< 0.660	28.0		ug/L		0.660	04/23/20 02:22	B0D0747	WZZ	1
Acetone	< 3.75	28.0		ug/L		3.75	04/23/20 02:22	B0D0747	WZZ	1
Acrolein	< 6.63	20.0		ug/L		6.63	04/23/20 02:22	B0D0747	WZZ	1
Acrylonitrile	< 0.742	4.00		ug/L		0.742	04/23/20 02:22	B0D0747	WZZ	1
Benzene	< 0.370	2.00		ug/L		0.370	04/23/20 02:22	B0D0747	WZZ	1
Bromodichloromethane	< 0.310	2.00		ug/L		0.310	04/23/20 02:22	B0D0747	WZZ	1
Bromoform	< 0.254	2.00		ug/L		0.254	04/23/20 02:22	B0D0747	WZZ	1
Bromomethane	< 3.30	20.0		ug/L		3.30	04/23/20 02:22	B0D0747	WZZ	1
Carbon disulfide	< 0.259	2.00		ug/L		0.259	04/23/20 02:22	B0D0747	WZZ	1
Carbon tetrachloride	< 0.390	2.00		ug/L		0.390	04/23/20 02:22	B0D0747	WZZ	1
Chlorobenzene	< 0.358	2.00		ug/L		0.358	04/23/20 02:22	B0D0747	WZZ	1
Chloroethane	< 0.906	4.00		ug/L		0.906	04/23/20 02:22	B0D0747	WZZ	1
Chloroform	< 0.397	2.00		ug/L		0.397	04/23/20 02:22	B0D0747	WZZ	1
Chloromethane	< 2.23	8.00		ug/L		2.23	04/23/20 02:22	B0D0747	WZZ	1
cis-1,2-Dichloroethene	< 0.421	2.00		ug/L		0.421	04/23/20 02:22	B0D0747	WZZ	1
cis-1,3-Dichloropropene	< 0.278	2.00		ug/L		0.278	04/23/20 02:22	B0D0747	WZZ	1
Dibromochloromethane	< 0.492	2.00		ug/L		0.492	04/23/20 02:22	B0D0747	WZZ	1
Ethylbenzene	< 0.431	2.00		ug/L		0.431	04/23/20 02:22	B0D0747	WZZ	1
m,p-Xylene	< 0.310	4.00		ug/L		0.310	04/23/20 02:22	B0D0747	WZZ	1
Methyl tert-butyl ether	< 0.322	2.00		ug/L		0.322	04/23/20 02:22	B0D0747	WZZ	1
Methylene chloride	1.19	2.00	J	ug/L		0.358	04/23/20 02:22	B0D0747	WZZ	1
o-Xylene	< 0.349	2.00		ug/L		0.349	04/23/20 02:22	B0D0747	WZZ	1
Styrene	< 0.534	4.00		ug/L		0.534	04/23/20 02:22	B0D0747	WZZ	1
Tetrachloroethene	< 0.400	2.00		ug/L		0.400	04/23/20 02:22	B0D0747	WZZ	1
Toluene	< 0.299	2.00		ug/L		0.299	04/23/20 02:22	B0D0747	WZZ	1
trans-1,2-Dichloroethene	< 0.433	2.00		ug/L		0.433	04/23/20 02:22	B0D0747	WZZ	1
trans-1,3-Dichloropropene	< 0.314	2.00		ug/L		0.314	04/23/20 02:22	B0D0747	WZZ	1
Trichloroethene	< 0.439	2.00		ug/L		0.439	04/23/20 02:22	B0D0747	WZZ	1
Vinyl acetate	< 1.01	8.00		ug/L		1.01	04/23/20 02:22	B0D0747	WZZ	1

Client Sample Results

(Continued)

Client: United Engineering Consultants, Inc.
Project: Waste Characterization
 19044
Work Order: 20D0658

Client Sample ID: Trip Blank
Report Date: 04/23/2020
Collection Date: 04/16/2020 00:00
Matrix: Water
Lab ID: 20D0658-03 (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 chloride	< 0.316	2.00	ug/L		0.316	04/23/20 02:22	B0D0747	WZZ	1	
Xylenes, Total	< 0.660	6.00	ug/L		0.660	04/23/20 02:22	B0D0747	WZZ	1	
1,3-Dichloropropene, Total	< 0.592	4.00	ug/L		0.592	04/23/20 02:22	B0D0747	WZZ	1	
Surrogate: Dibromofluoromethane				Recovery: 100%	Limits: 80-135	04/23/20 02:22	B0D0747	WZZ	1	
Surrogate: 1,2-Dichloroethane-d4				Recovery: 96%	Limits: 86-132	04/23/20 02:22	B0D0747	WZZ	1	
Surrogate: Fluorobenzene				Recovery: 99%	Limits: 80-116	04/23/20 02:22	B0D0747	WZZ	1	
Surrogate: Toluene-d8				Recovery: 97%	Limits: 73-120	04/23/20 02:22	B0D0747	WZZ	1	
Surrogate: 4-Bromofluorobenzene				Recovery: 105%	Limits: 85-114	04/23/20 02:22	B0D0747	WZZ	1	
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 104%	Limits: 88-136	04/23/20 02:22	B0D0747	WZZ	1	

Dates Report

Client: United Engineering Consultants, Inc.

Report Date: 04/23/2020

Project: Waste Characterization
19044

Work Order: 20D0658

Sample ID	Client Sample ID	Collection	Matrix	Test Name	Leached Prep Date	Prep Date	Analysis Date	Batch ID	Sequence
20D0658-01	MW-2	04/16/20	Groundwater	Volatile Organic Compounds (WDNR) by GC/MS		04/22/20 17:11	04/23/20 03:13	B0D0747	S0D0332
20D0658-02	MW-2 Dup	04/16/20		Volatile Organic Compounds (WDNR) by GC/MS		04/22/20 17:11	04/23/20 03:38		
20D0658-03	Trip Blank	04/16/20	Water	Volatile Organic Compounds (WDNR) by GC/MS		04/22/20 17:11	04/23/20 02:22		

Quality Control

Client: United Engineering Consultants, Inc.

Report Date: 04/23/2020

Project: Waste Characterization
19044

Matrix: Water

Work Order: 20D0658

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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Batch: B0D0747 - SW5030
Blank (B0D0747-BLK1)

Prepared: 04/22/2020 17:11 Analyzed: 04/23/2020 01:05

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

Quality Control

(Continued)

Client: United Engineering Consultants, Inc.**Report Date:** 04/23/2020**Project:** Waste Characterization
19044**Matrix:** Water**Work Order:** 20D0658**Volatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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Batch: B0D0747 - SW5030 (Continued)**Blank (B0D0747-BLK1) (Continued)**

Prepared: 04/22/2020 17:11 Analyzed: 04/23/2020 01:05

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>	20.2		ug/L	20.00		101	80-135				1
<i>Surrogate: 1,2-Dichloroethane-d4</i>	19.9		ug/L	20.00		100	86-132				1
<i>Surrogate: Fluorobenzene</i>	19.5		ug/L	20.00		98	80-116				1
<i>Surrogate: Toluene-d8</i>	19.6		ug/L	20.00		98	73-120				1
<i>Surrogate: 4-Bromofluorobenzene</i>	10.8		ug/L	10.00		108	85-114				1
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	19.8		ug/L	20.00		99	88-136				1

LCS (B0D0747-BS1)

Prepared: 04/22/2020 17:11 Analyzed: 04/22/2020 23:48

1,1,1-Trichloroethane	53.7	2.00	ug/L	50.00		107	74-131				1
1,1,2,2-Tetrachloroethane	52.1	2.00	ug/L	50.00		104	71-121				1
1,1,2-Trichloroethane	51.3	2.00	ug/L	50.00		103	80-119				1
1,1-Dichloroethane	55.4	8.00	ug/L	50.00		111	77-125				1
1,1-Dichloroethene	59.0	4.00	ug/L	50.00		118	71-131				1
1,2,4-Trimethylbenzene	53.6	2.00	ug/L	50.00		107	76-124				1
1,2-Dibromo-3-chloropropane	53.3	2.00	ug/L	50.00		107	62-128				1
1,2-Dibromoethane	52.2	2.00	ug/L	50.00		104	77-121				1
1,2-Dichloroethane	52.4	2.00	ug/L	50.00		105	73-128				1
1,2-Dichloropropane	51.3	4.00	ug/L	50.00		103	78-122				1
1,3,5-Trimethylbenzene	54.2	2.00	ug/L	50.00		108	75-124				1
1-Butanol	520	90.0	ug/L	500.0		104	70-130				1
2-Butanone	182	8.00	ug/L	175.0		104	56-143				1
2-Hexanone	185	8.00	ug/L	175.0		106	57-139				1
4-Methyl-2-pentanone	183	28.0	ug/L	175.0		105	67-130				1
Acetone	185	28.0	ug/L	175.0		106	39-160				1
Acrolein	123	20.0	ug/L	125.0		98	39-155				1
Acrylonitrile	51.8	4.00	ug/L	50.00		104	63-135				1
Benzene	51.6	2.00	ug/L	50.00		103	79-120				1
Bromodichloromethane	50.0	2.00	ug/L	50.00		100	79-125				1
Bromoform	51.3	2.00	ug/L	50.00		103	66-130				1
Bromomethane	54.0	20.0	ug/L	50.00		108	53-141				1
Carbon disulfide	49.0	2.00	ug/L	50.00		98	64-133				1
Carbon tetrachloride	54.7	2.00	ug/L	50.00		109	72-136				1
Chlorobenzene	51.5	2.00	ug/L	50.00		103	82-118				1
Chloroethane	52.6	4.00	ug/L	50.00		105	60-138				1
Chloroform	52.3	2.00	ug/L	50.00		105	79-124				1
Chloromethane	54.9	8.00	ug/L	50.00		110	50-139				1
cis-1,2-Dichloroethene	52.4	2.00	ug/L	50.00		105	78-123				1
cis-1,3-Dichloropropene	53.3	2.00	ug/L	50.00		107	75-124				1

Quality Control

(Continued)

Client: United Engineering Consultants, Inc.**Report Date:** 04/23/2020**Project:** Waste Characterization
19044**Matrix:** Water**Work Order:** 20D0658**Volatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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Batch: B0D0747 - SW5030 (Continued)**LCS (B0D0747-BS1) (Continued)**

Prepared: 04/22/2020 17:11 Analyzed: 04/22/2020 23:48

Dibromochloromethane	49.3	2.00	ug/L	50.00		99	74-126				1
Ethylbenzene	52.5	2.00	ug/L	50.00		105	79-121				1
m,p-Xylene	108	4.00	ug/L	100.0		108	80-136				1
Methyl tert-butyl ether	50.1	2.00	ug/L	50.00		100	71-124				1
Methylene chloride	54.3	2.00	ug/L	50.00		109	74-124				1
o-Xylene	54.8	2.00	ug/L	50.00		110	78-122				1
Styrene	53.3	4.00	ug/L	50.00		107	78-123				1
Tetrachloroethene	50.7	2.00	ug/L	50.00		101	74-129				1
Toluene	50.7	2.00	ug/L	50.00		101	80-133				1
trans-1,2-Dichloroethene	55.2	2.00	ug/L	50.00		110	75-124				1
trans-1,3-Dichloropropene	52.2	2.00	ug/L	50.00		104	73-127				1
Trichloroethene	54.5	2.00	ug/L	50.00		109	79-123				1
Vinyl acetate	50.8	8.00	ug/L	50.00		102	54-146				1
Vinyl chloride	54.8	2.00	ug/L	50.00		110	58-137				1
Xylenes, Total	162	6.00	ug/L	150.0		108	79-121				1
1,3-Dichloropropene, Total	106	4.00	ug/L	100.0		106	77-123				1
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Surrogate: Dibromofluoromethane	19.8		ug/L	20.00		99	80-135				1
Surrogate: 1,2-Dichloroethane-d4	20.0		ug/L	20.00		100	86-132				1
Surrogate: Fluorobenzene	19.7		ug/L	20.00		98	80-116				1
Surrogate: Toluene-d8	19.6		ug/L	20.00		98	73-120				1
Surrogate: 4-Bromofluorobenzene	10.3		ug/L	10.00		103	85-114				1
Surrogate: 1,2-Dichlorobenzene-d4	20.4		ug/L	20.00		102	88-136				1

LCS Dup (B0D0747-BSD1)

Prepared: 04/22/2020 17:11 Analyzed: 04/23/2020 00:14

1,1,1-Trichloroethane	54.3	2.00	ug/L	50.00		109	74-131	1	20		1
1,1,2,2-Tetrachloroethane	50.5	2.00	ug/L	50.00		101	71-121	3	20		1
1,1,2-Trichloroethane	51.1	2.00	ug/L	50.00		102	80-119	0.4	20		1
1,1-Dichloroethane	54.6	8.00	ug/L	50.00		109	77-125	1	20		1
1,1-Dichloroethene	59.1	4.00	ug/L	50.00		118	71-131	0.2	20		1
1,2,4-Trimethylbenzene	51.8	2.00	ug/L	50.00		104	76-124	4	20		1
1,2-Dibromo-3-chloropropane	49.6	2.00	ug/L	50.00		99	62-128	7	20		1
1,2-Dibromoethane	51.9	2.00	ug/L	50.00		104	77-121	0.6	20		1
1,2-Dichloroethane	52.4	2.00	ug/L	50.00		105	73-128	0.02	20		1
1,2-Dichloropropane	52.7	4.00	ug/L	50.00		105	78-122	3	20		1
1,3,5-Trimethylbenzene	52.3	2.00	ug/L	50.00		105	75-124	4	20		1
1-Butanol	491	90.0	ug/L	500.0		98	70-130	6	20		1
2-Butanone	187	8.00	ug/L	175.0		107	56-143	3	20		1
2-Hexanone	182	8.00	ug/L	175.0		104	57-139	2	20		1
4-Methyl-2-pentanone	185	28.0	ug/L	175.0		106	67-130	1	20		1
Acetone	184	28.0	ug/L	175.0		105	39-160	0.4	20		1
Acrolein	118	20.0	ug/L	125.0		94	39-155	4	20		1
Acrylonitrile	49.8	4.00	ug/L	50.00		100	63-135	4	20		1

Quality Control

(Continued)

Client: United Engineering Consultants, Inc.**Report Date:** 04/23/2020**Project:** Waste Characterization
19044**Matrix:** Water**Work Order:** 20D0658**Volatile Organic Compounds by GC/MS**

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
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Batch: B0D0747 - SW5030 (Continued)**LCS Dup (B0D0747-BSD1)** (Continued)

Prepared: 04/22/2020 17:11 Analyzed: 04/23/2020 00:14

Benzene	52.4	2.00	ug/L	50.00		105	79-120	2	20		1
Bromodichloromethane	49.6	2.00	ug/L	50.00		99	79-125	0.8	20		1
Bromoform	49.5	2.00	ug/L	50.00		99	66-130	4	20		1
Bromomethane	56.8	20.0	ug/L	50.00		114	53-141	5	20		1
Carbon disulfide	49.2	2.00	ug/L	50.00		98	64-133	0.5	20		1
Carbon tetrachloride	53.8	2.00	ug/L	50.00		108	72-136	2	20		1
Chlorobenzene	52.5	2.00	ug/L	50.00		105	82-118	2	20		1
Chloroethane	52.7	4.00	ug/L	50.00		105	60-138	0.2	20		1
Chloroform	51.7	2.00	ug/L	50.00		103	79-124	1	20		1
Chloromethane	54.4	8.00	ug/L	50.00		109	50-139	0.9	20		1
cis-1,2-Dichloroethene	50.2	2.00	ug/L	50.00		100	78-123	4	20		1
cis-1,3-Dichloropropene	54.8	2.00	ug/L	50.00		110	75-124	3	20		1
Dibromochloromethane	49.0	2.00	ug/L	50.00		98	74-126	0.7	20		1
Ethylbenzene	51.2	2.00	ug/L	50.00		102	79-121	3	20		1
m,p-Xylene	107	4.00	ug/L	100.0		107	80-136	1	20		1
Methyl tert-butyl ether	49.8	2.00	ug/L	50.00		100	71-124	0.7	20		1
Methylene chloride	54.8	2.00	ug/L	50.00		110	74-124	1	20		1
o-Xylene	52.5	2.00	ug/L	50.00		105	78-122	4	20		1
Styrene	52.0	4.00	ug/L	50.00		104	78-123	2	20		1
Tetrachloroethene	49.5	2.00	ug/L	50.00		99	74-129	2	20		1
Toluene	50.5	2.00	ug/L	50.00		101	80-133	0.4	20		1
trans-1,2-Dichloroethene	53.5	2.00	ug/L	50.00		107	75-124	3	20		1
trans-1,3-Dichloropropene	52.4	2.00	ug/L	50.00		105	73-127	0.2	20		1
Trichloroethene	54.1	2.00	ug/L	50.00		108	79-123	0.7	20		1
Vinyl acetate	49.7	8.00	ug/L	50.00		99	54-146	2	20		1
Vinyl chloride	53.9	2.00	ug/L	50.00		108	58-137	2	20		1
Xylenes, Total	159	6.00	ug/L	150.0		106	79-121	2	20		1
1,3-Dichloropropene, Total	107	4.00	ug/L	100.0		107	77-123	2	20		1
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Surrogate: Dibromofluoromethane	19.8		ug/L	20.00		99	80-135				1
Surrogate: 1,2-Dichloroethane-d4	19.5		ug/L	20.00		98	86-132				1
Surrogate: Fluorobenzene	19.9		ug/L	20.00		100	80-116				1
Surrogate: Toluene-d8	19.2		ug/L	20.00		96	73-120				1
Surrogate: 4-Bromofluorobenzene	9.55		ug/L	10.00		96	85-114				1
Surrogate: 1,2-Dichlorobenzene-d4	19.6		ug/L	20.00		98	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
o-Xylene	95-47-6	WDNR
Styrene	100-42-5	WDNR
Tetrachloroethene	127-18-4	WDNR
Toluene	108-88-3	WDNR
trans-1,2-Dichloroethene	156-60-5	WDNR
trans-1,3-Dichloropropene	10061-02-6	WDNR

Certified Analyses included in this Report (Continued)

Analyte	CAS #	Certifications
SW-846 8260B/WDNR: PUBL-FW-140 in Water (Continued)		
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	04/30/2020
CPSC	US Consumer Product Safety Commission, Accredited by PJLA Lab No. 1050	L18-184-R1	04/30/2020
DoD	Department of Defense, Accredited by PJLA	L18-183-R3	04/30/2020
ILEPA	State of Illinois, NELAP Accredited Lab No. 100256	1002562020-1	07/27/2020
ISO	ISO/IEC 17025, Accredited by PJLA	L18-184-R1	04/30/2020
TX	Texas Commission of Environmental Quality	T104704554-19-4	10/31/2020
WA	Washington State Department of Ecology	C1057	01/05/2021
WDNR	State of Wisconsin Dept of Natural Resources	999888890	08/31/2020

Qualifiers and Definitions

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

Sample Receipt Checklist

Work Order: 20D0658

Printed: 4/17/2020 3:49:41PM

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

Date Due: **Friday, April 24, 2020**

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

Date Received: **04/17/20 14:15**
 Date Logged In: **04/17/20 15:34**

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	Yes

Client Sample Name

Vials > Pea Size Bubble

<i>Trip Blank</i>	1

Comments

ABZ
4/17/20